Supplementary Material

Supplementary Figures

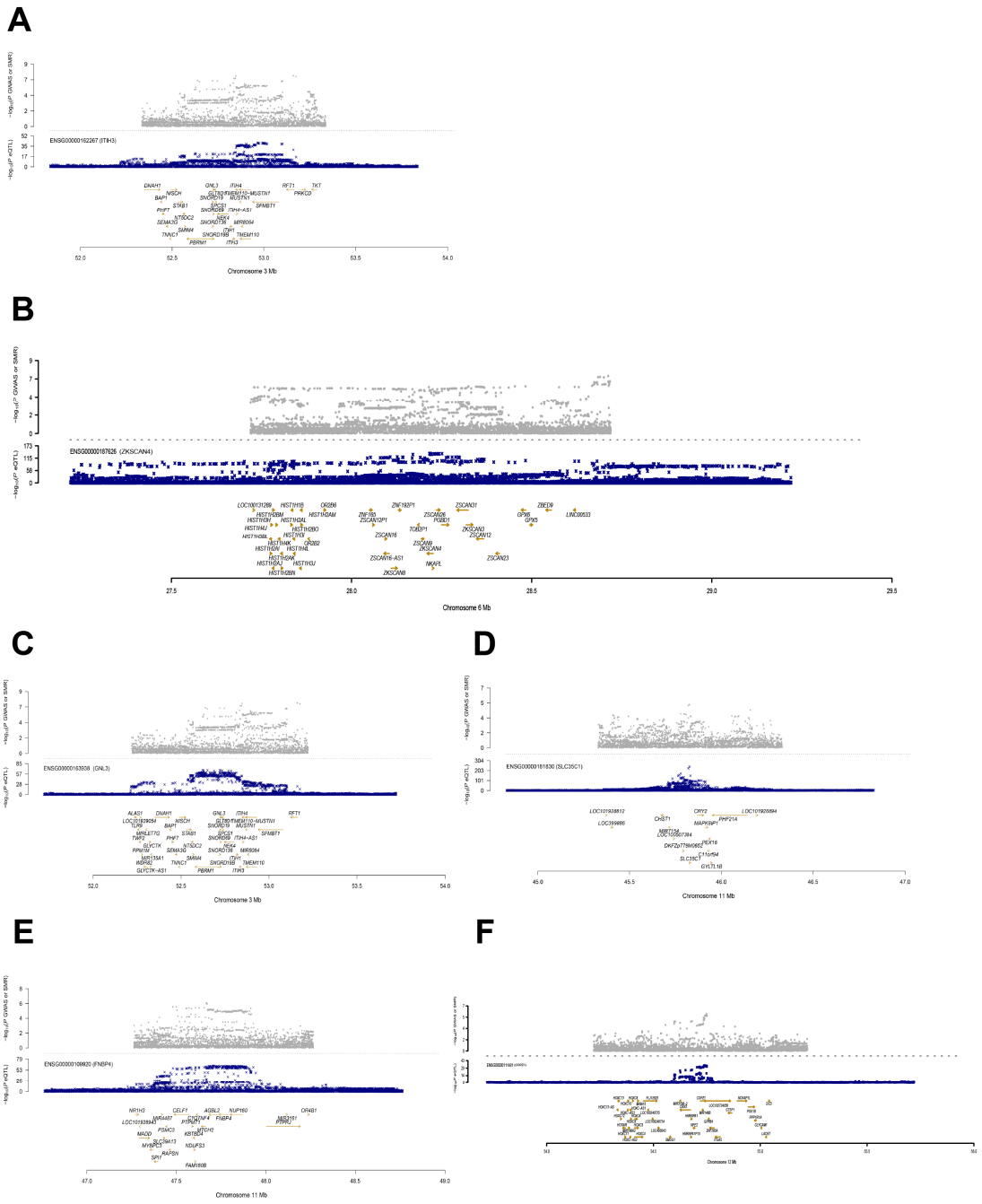

Fig S1. The SMR results at gene loci for anxiety disorders. (A) ITIH3; (B) ZKSCAN4; (C) GNL3; (D) SLC35C1; (E) FNBP4; (F) COPZ1. The top gray dots represent the -log10(p-values) of SNP from GWAS. The middle blue dots indicate the -log10(p-values) of the genes from eQTL, and the bottom section displays the positions of the probes relative to the genes.

Note: The top panel of each subplot shows the $-\log_{10}$(P-value) of SNPs in the region from the anxiety disorder GWAS (y-axis) plotted against their chromosomal position (x-axis). The bottom panel displays the gene annotations in the region. Yellow arrow: the direction of transcription for the lead gene. The genomic positions of neighboring genes, with gene names indicated above.

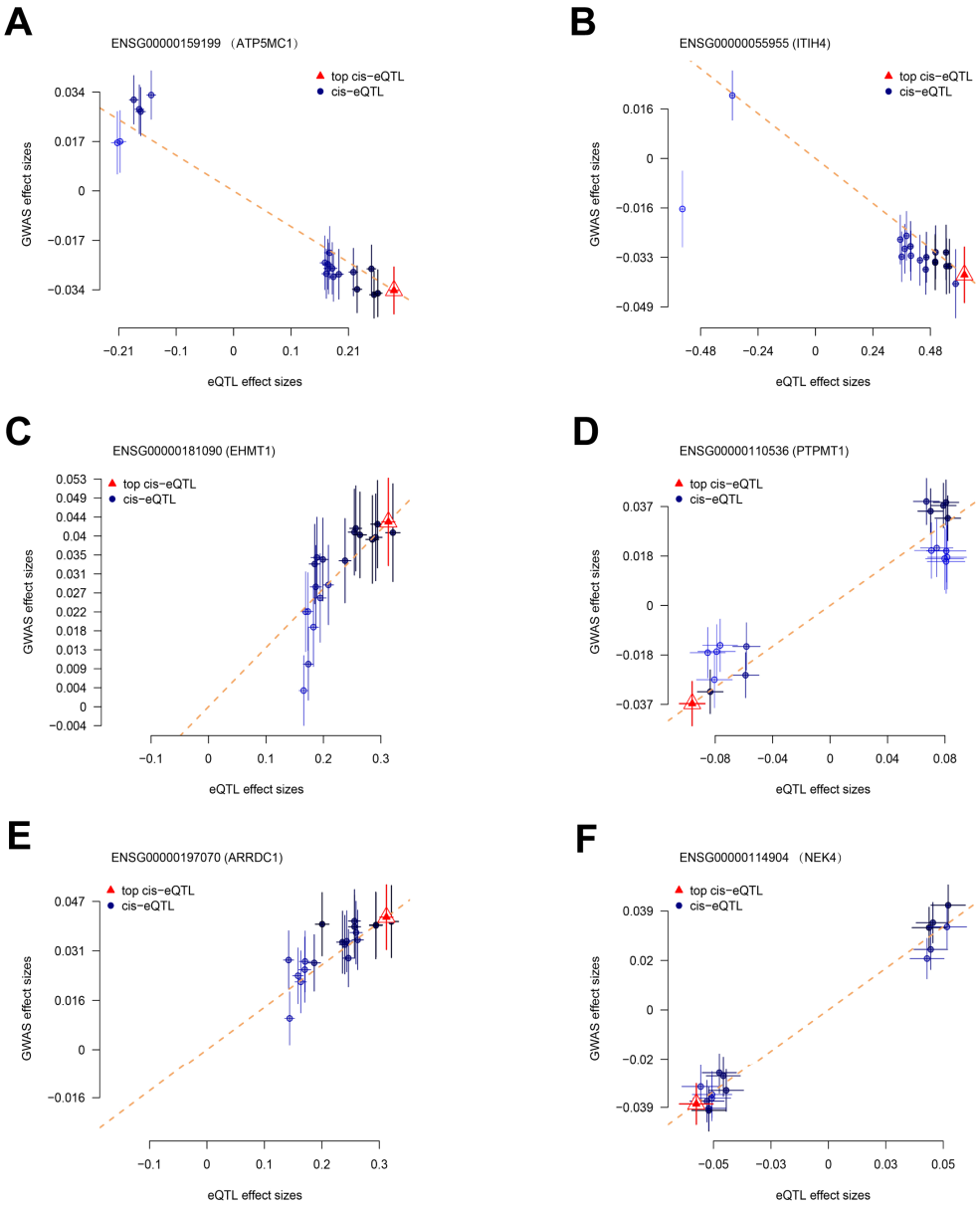

Fig S2. Scatterplot of the association results between additional six genes in eQTL and anxiety disorder. (A) ATP5MC1; (B) ITIH4; (C) EHMT1; (D) PTPMT1; (E) ARRDC1; (F) NEK4.

Note: The horizontal axis represents the effect sizes of single nucleotide polymorphisms (SNPs)

within the eQTL genes, while the vertical axis displays the effect sizes of SNPs associated with anxiety disorders. Each blue circle with cross symbol denotes a SNP, and the red triangles signify the most significant SNPs. Yellow dashed yellow lines illustrate the regression line, which indicates the directionality of the association between the effect sizes of eQTL and those of genome-wide association studies (GWAS). Ascending segments from left to right reveal a positive correlation, suggesting that increased gene expression is associated with a heightened risk of anxiety disorders. In contrast, descending segments indicate a negative correlation, where elevated gene expression correlates with a diminished risk of anxiety disorders

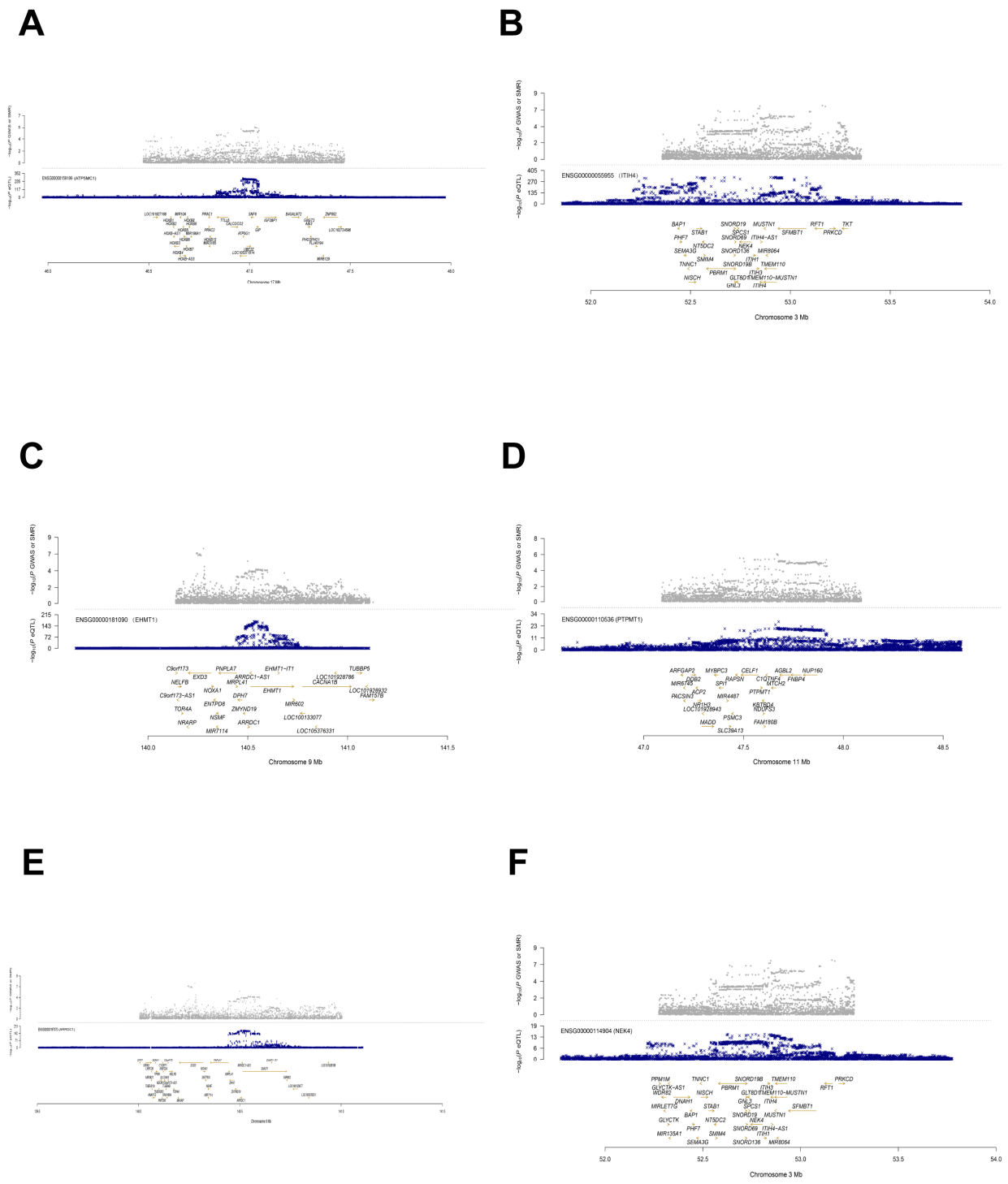

Fig S3. The SMR results at gene loci for anxiety disorders. (A) ATP5MC1; (B) ITIH4; (C) EHMT1; (D) PTPMT1; (E) ARRDC1; (F) NEK4.

Note: The top panel of each subplot shows the $-\log_{10}$(P-value) of SNPs in the region from the anxiety disorder GWAS (y-axis) plotted against their chromosomal position (x-axis). The bottom panel displays the gene annotations in the region. Yellow arrow: the direction of transcription for the lead

gene. The genomic positions of neighboring genes, with gene names indicated above.

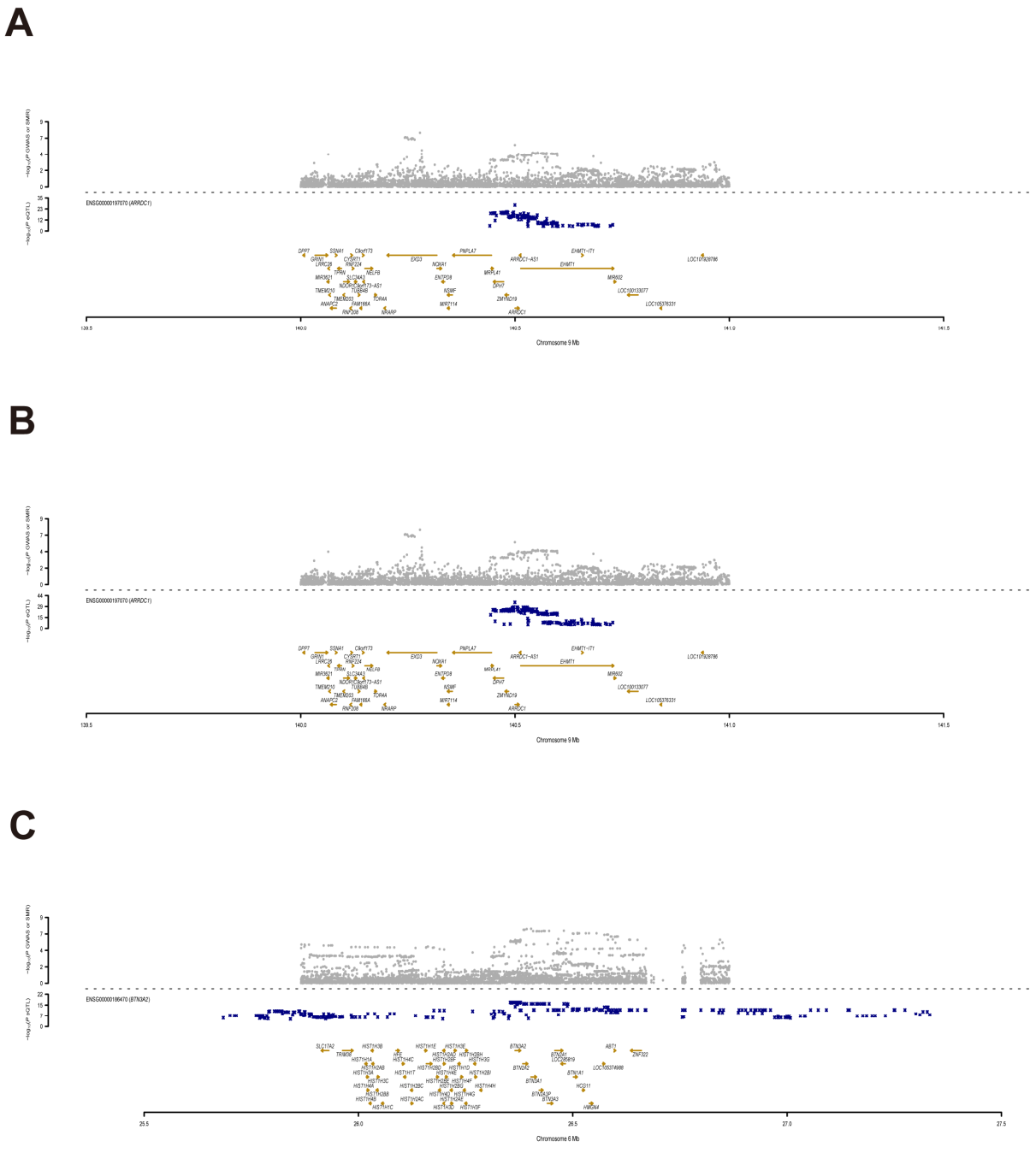

Fig S4. The SMR results at gene loci for anxiety disorders from eQTL brain regions. (A) ARRDC1 in cerebellar hemisphere; (B) ARRDC1 in cerebellum; (C) BTN3A2 in spinal cord cervical.

Note: The top panel of each subplot shows the $-\log_{10}$(P-value) of SNPs in the region from the anxiety disorder GWAS (y-axis) plotted against their chromosomal position (x-axis). The bottom panel displays the gene annotations in the region. Yellow arrow: the direction of transcription for the lead gene. The genomic positions of neighboring genes, with gene names indicated above.

Supplementary Tables

Table S1. The total results of SMR analysis and sensitivity analysis for anxiety susceptibility in eQTLGen dataset

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000272512	1	RP11-54O7.17	931346	rs2710880	1	931166	G	A	0.361829	-0.008872	0.00813779	0.275617	-0.477545	0.0675498	1.55E-12	0.0185783	0.0172423	0.2812652	0.3643669	19	0.78348136
ENSG00000131591	1	C1orf159	1017198	rs6678318	1	1030633	A	G	0.166004	-0.0045791	0.00996289	0.645793	-0.595337	0.0804194	1.33E-13	0.00769158	0.0167671	0.6464278	0.6069428	10	0.93504549
ENSG00000186891	1	TNFRSF18	1138888	rs9727747	1	1134707	A	G	0.112326	0.019293	0.0131778	0.143178	0.830694	0.136608	1.20E-09	0.0232252	0.0163169	0.1546262	0.9327006	3	0.67326138
ENSG00000242485	1	MRPL20	1337288	rs2275915	1	1342612	C	G	0.16998	-0.0225282	0.0117561	0.0553261	0.321077	0.0540269	2.80E-09	-0.0701645	0.038471	0.06817821	0.525569	10	0.61480596
ENSG00000235098	1	ANKRD65	1353800	rs112581014	1	1351356	A	G	0.0964215	-0.0091034	0.0114067	0.424827	-1.35768	0.145768	1.23E-20	0.00670514	0.0084324	0.4265178	0.217597	20	0.8760777
ENSG00000215915	1	ATAD3C	1385069	rs4590	1	1375810	G	C	0.188867	-0.0138068	0.00926983	0.136373	-0.56551	0.087207	8.89E-11	0.0244148	0.0168188	0.146603	0.6939885	20	0.67014512
ENSG00000160072	1	ATAD3B	1407143	rs144526264	1	1466393	A	G	0.0129225	0.0361086	0.042041	0.390401	-1.97027	0.247444	1.69E-15	-0.0183267	0.0214615	0.3931401	0.5232783	18	0.86188326
ENSG00000160075	1	SSU72	1477053	rs4259576	1	1472873	A	T	0.33499	-0.0217722	0.00861579	0.0115038	0.325764	0.0588688	3.13E-08	-0.0668343	0.0290751	0.02152338	0.9557954	7	0.45306928
ENSG00000272106	1	RP11-345P4.9	1549138	rs7418389	1	1551927	C	T	0.705765	-0.0009425	0.00909257	0.917441	-0.411485	0.0676292	1.17E-09	0.00229052	0.0221002	0.9174531	0.02712456	8	0.98004059
ENSG00000189339	1	SLC35E2B	1592939	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	-0.914141	0.0722333	1.04E-36	-0.0037336	0.0105399	0.7231648	0.4277223	20	0.94727701
ENSG00000269737	1	RP11-345P4.7	1603429	rs28678861	1	1606287	C	G	0.964215	0.059421	0.0198663	0.00278023	-1.56685	0.278505	1.85E-08	-0.0379239	0.0143597	0.00826622	0.7936504	9	0.37928484
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.67714	0.26191	1.52E-10	-0.0079267	0.0184829	0.6680221	0.2568481	4	0.94200099
ENSG00000227775	1	RP1-283E3.4	1655951	rs12725286	1	1599547	T	C	0.684891	0.00395801	0.00910204	0.663673	-0.707089	0.0811196	2.87E-18	-0.0055976	0.0128886	0.6640644	0.6191902	15	0.93853801
ENSG00000231050	1	RP1-140A9.1	1822910	rs12130589	1	1732627	C	T	0.198807	-0.0036799	0.0110148	0.738312	-0.940782	0.124848	4.87E-14	0.00391158	0.0117196	0.7385587	0.8229632	13	0.94727701
ENSG00000142609	1	C1orf222	1853396	rs56126097	1	1900339	G	A	0.238569	-0.0077729	0.00924171	0.400313	-0.448869	0.0747223	1.89E-09	0.0173165	0.0207897	0.4048794	0.9088509	16	0.86982438
ENSG00000233542	1	RP11-547D24.1	1944652	rs72911372	1	1950551	A	G	0.177932	0.00259282	0.0110102	0.813827	0.918981	0.107855	1.59E-17	0.00282141	0.0119855	0.8138962	0.593812	6	0.95331821
ENSG00000272420	1	RP4-740C4.7	2294500	rs2843142	1	2270098	G	A	0.560636	0.00590716	0.00806548	0.463924	-0.390137	0.0676159	7.93E-09	-0.0151412	0.0208393	0.4674892	0.9248213	13	0.88426028
ENSG00000158109	1	TPRG1L	3541566	rs6697769	1	3570883	T	C	0.489066	0.0202286	0.00805817	0.012062	-0.247127	0.0419693	3.90E-09	-0.0818551	0.035447	0.02093117	0.9298133	9	0.45306928
ENSG00000169598	1	DFFB	3773845	rs12084944	1	3798400	T	C	0.516899	-0.0044328	0.00807257	0.582925	0.454149	0.0534083	1.84E-17	-0.0097606	0.0178122	0.5837099	0.6686113	16	0.91214319
ENSG00000198912	1	C1orf174	3805689	rs10797357	1	3821334	A	G	0.719682	-0.0040553	0.00922092	0.660088	0.648831	0.108987	2.63E-09	-0.0062501	0.0142503	0.6609542	0.3824131	3	0.93776151
ENSG00000131697	1	NPHP4	5922871	rs11120871	1	6008591	T	C	0.44831	-0.0013872	0.00813069	0.864527	0.380801	0.0643637	3.29E-09	-0.0036429	0.0213604	0.864583	0.4503078	20	0.97425422
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.613148	0.0754634	4.47E-16	0.00335405	0.0131663	0.7989196	0.09592985	12	0.95044568
ENSG00000238290	1	RP11-431K24.1	8086798	rs498594	1	8046347	T	C	0.427435	9.31E-05	0.00842447	0.991183	0.695509	0.105998	5.33E-11	0.00013386	0.0121127	0.9911826	0.09028963	5	0.99593757
ENSG00000175147	1	TMEM51-AS1	15442448	rs7535492	1	15469612	G	C	0.176938	0.00495515	0.011217	0.658667	-0.728208	0.120468	1.50E-09	-0.0068046	0.0154446	0.6595181	0.8667584	13	0.93681009
ENSG00000228140	1	RP3-467K16.4	15729475	rs2092324	1	15733394	A	G	0.704771	-0.0068303	0.00823923	0.407108	-0.823088	0.0941542	2.29E-18	0.00829832	0.0100551	0.4092076	0.994845	5	0.87188617
ENSG00000162461	1	SLC25A34	16062900	rs6672142	1	16056740	A	C	0.210736	-0.004589	0.0101541	0.651319	-0.546269	0.0779898	2.48E-12	0.00840053	0.0186267	0.6519946	0.0913647	10	0.93515218
ENSG00000186510	1	CLCNKA	16345370	rs945419	1	16344858	T	C	0.568588	0.0116363	0.00807959	0.149807	-0.717407	0.0912661	3.82E-15	-0.0162199	0.0114497	0.1565917	0.3062323	20	0.67326138
ENSG00000232456	1	RP11-5P18.10	16361673	rs9442196	1	16382602	G	A	0.791252	0.00707967	0.0088009	0.421151	0.863277	0.135129	1.67E-10	0.00820092	0.0102753	0.4247989	0.5103753	6	0.8760777
ENSG00000142632	1	ARHGEF19	16524349	rs221035	1	16526529	A	G	0.739563	0.00797882	0.00953297	0.402609	-0.576888	0.0820038	1.99E-12	-0.0138308	0.0166414	0.4059117	0.0925591	8	0.86982438
ENSG00000037637	1	FBXO42	16573334	rs55769277	1	16606327	C	T	0.333996	-0.0206102	0.00859222	0.0164532	-0.36369	0.0652061	2.44E-08	0.0566697	0.0257173	0.02755496	0.9419123	7	0.47888085
ENSG00000215908	1	CROCCP2	16944751	rs277462	1	16847832	C	T	0.597416	0.0115808	0.00849112	0.172609	-0.726807	0.119774	1.29E-09	-0.0159338	0.0119742	0.1832958	0.9876515	9	0.69741952
ENSG00000186715	1	MST1L	17081405	rs7513616	1	17298496	G	A	0.493042	-0.0101638	0.00824174	0.217497	-0.603959	0.0953727	2.41E-10	0.0168286	0.0139025	0.226098	0.08448469	12	0.73598765
ENSG00000159339	1	PADI4	17634690	rs2301888	1	17672730	A	G	0.360835	0.00123487	0.00855385	0.885213	0.863279	0.100669	9.87E-18	0.00143044	0.00990996	0.885229	0.5771284	20	0.97971665
ENSG00000159423	1	ALDH4A1	19197926	rs74968065	1	19221656	A	G	0.0387674	0.0519627	0.0233338	0.025952	0.852336	0.111722	2.36E-14	0.060965	0.0285188	0.03253977	0.2269355	8	0.49768191
ENSG00000127463	1	EMC1	19542158	rs12738339	1	19396736	G	C	0.425447	-0.0207016	0.00812051	0.0107939	-0.419797	0.0576494	3.29E-13	0.0493134	0.020495	0.01612336	0.8890758	20	0.44186828
ENSG00000169914	1	OTUD3	20209006	rs10492999	1	20237760	G	A	0.05666	0.015587	0.0132551	0.239624	0.819374	0.118577	4.84E-12	0.0190231	0.0164097	0.2463507	0.4789703	5	0.75708712
ENSG00000127472	1	PLA2G5	20354672	rs640022	1	20398476	T	C	0.145129	-0.0225665	0.0138745	0.103848	-0.636047	0.0953275	2.52E-11	0.0354793	0.0224524	0.1140609	0.4429237	14	0.64481993
ENSG00000090432	1	MUL1	20825943	rs502812	1	20858234	T	C	0.375746	-0.0016584	0.00854078	0.846037	-0.555999	0.0868977	1.57E-10	0.00298279	0.0153682	0.8461066	0.5498362	14	0.96559734
ENSG00000117245	1	KIF17	20990507	rs604645	1	21043926	C	T	0.7167	0.00039865	0.00905417	0.964881	0.388928	0.0574321	1.27E-11	0.001025	0.0232803	0.9648814	0.4182802	8	0.99462435
ENSG00000227001	1	NBPF2P	21751118	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	0.905576	0.139243	7.84E-11	-0.0147486	0.0105979	0.1640261	0.6979825	11	0.67326138
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.32853	0.103126	5.64E-38	0.0100532	0.00709961	0.1567684	0.2561672	17	0.67326138
ENSG00000218510	1	LINC00339	22351681	rs11801382	1	22352108	T	C	0.27833	0.0065088	0.00916258	0.477476	1.1359	0.103297	3.98E-28	0.00573008	0.00808317	0.4783927	0.08797837	17	0.88426028
ENSG00000179546	1	HTR1D	23516993	rs6688475	1	23550794	A	G	0.578529	0.00742656	0.00831766	0.371929	0.550526	0.0967157	1.25E-08	0.0134899	0.0152933	0.377733	0.9924312	9	0.85270848
ENSG00000204219	1	TCEA3	23707554	rs4649090	1	23781642	T	C	0.671968	-0.0132101	0.00910564	0.146845	0.618315	0.0785338	3.46E-15	-0.0213647	0.0149745	0.1536546	0.5589037	5	0.67219629
ENSG00000187010	1	RHD	25598884	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-1.21047	0.103873	2.21E-31	0.0250361	0.00730997	0.00061498	0.4375271	12	0.23243814
ENSG00000224183	1	SDHDP6	25620655	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.752399	0.122771	8.87E-10	0.0402784	0.0130213	0.00197973	0.3002679	5	0.24369595
ENSG00000188672	1	RHCE	25688740	rs1053438	1	25687901	C	T	0.44334	0.0129332	0.00805866	0.10852	-0.830598	0.0889761	1.01E-20	-0.015571	0.00984458	0.1137231	0.02020148	10	0.64481993
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.797506	0.0754813	4.30E-26	0.0179704	0.01246	0.1492319	0.00667376	20	0.67014512
ENSG00000130695	1	CEP85	26560691	rs112252579	1	26646574	A	G	0.105368	-0.002532	0.0129777	0.84531	0.428581	0.075724	1.52E-08	-0.0059079	0.0302986	0.8454005	0.5189428	4	0.96559734
ENSG00000169442	1	CD52	26644448	rs111486799	1	26577985	A	G	0.206759	-0.0025988	0.00982338	0.791356	-0.763416	0.108397	1.88E-12	0.00340415	0.0128767	0.7914994	0.569072	7	0.95044568
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.43529	0.113357	9.64E-37	0.0149413	0.0134409	0.2662976	0.9064996	13	0.77289867
ENSG00000158161	1	EYA3	28296855	rs11807799	1	28400878	C	T	0.257455	-0.0157694	0.0092449	0.0880562	0.557299	0.0622667	3.55E-19	-0.0282961	0.0168873	0.09382004	0.5335498	10	0.64379887
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.03307	0.0848454	4.18E-34	0.00666278	0.00875244	0.4465084	0.6345082	17	0.8760777
ENSG00000204138	1	PHACTR4	28696114	rs6700020	1	28809466	A	G	0.349901	0.0166523	0.00838122	0.0469386	-0.410788	0.0687068	2.25E-09	-0.0405375	0.0214999	0.05936571	0.2245192	10	0.5969465
ENSG00000084628	1	NKAIN1	31652592	rs7545480	1	31672166	C	G	0.777336	-0.004437	0.009285	0.632747	0.692819	0.0891791	7.92E-15	-0.0064042	0.0134271	0.6333886	0.2884079	20	0.93051058
ENSG00000116883	1	RP11-268J15.5	36789335	rs58971913	1	36787888	A	G	0.420477	-0.0083925	0.00832426	0.313362	0.467323	0.0542449	6.99E-18	-0.0179586	0.0179342	0.3166526	0.453485	10	0.81774291
ENSG00000233621	1	RP11-422J8.1	37920480	rs75785507	1	37939999	A	G	0.328032	-0.0199136	0.00817582	0.0148638	-0.783561	0.0987386	2.09E-15	0.0254142	0.0109146	0.01988749	0.0325618	10	0.45306928
ENSG00000163879	1	DNALI1	38022520	rs41267305	1	38002251	C	G	0.0536779	0.0102118	0.0138964	0.462429	-0.658924	0.106213	5.51E-10	-0.0154977	0.021237	0.4655427	0.3317057	5	0.88426028
ENSG00000204084	1	INPP5B	38326369	rs12760154	1	38284616	C	G	0.280318	0.00660722	0.00863572	0.44421	0.385099	0.0655116	4.14E-09	0.0171572	0.0226138	0.4480296	0.7834363	4	0.8760777
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-0.865629	0.131021	3.93E-11	0.00677911	0.0193015	0.7254219	0.9710029	3	0.94727701
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.668512	0.0905928	1.59E-13	-0.0007089	0.0125062	0.9547991	0.2098985	9	0.99296872
ENSG00000043514	1	TRIT1	40306723	rs137882240	1	40346661	A	G	0.101392	0.0213879	0.0134163	0.110898	-0.595292	0.108034	3.58E-08	-0.0359284	0.0234616	0.1256776	0.9111946	4	0.65842282
ENSG00000187815	1	ZFP69	40942887	rs6600339	1	40940020	G	A	0.32505	-0.0047949	0.00877215	0.584649	-0.767201	0.109813	2.82E-12	0.00624989	0.0114689	0.5857935	0.9460709	14	0.91293094
ENSG00000238287	1	RP11-656D10.3	40958829	rs7547819	1	40948479	C	T	0.32505	-0.0046961	0.00877462	0.592517	-0.892461	0.109058	2.76E-16	0.00526198	0.00985294	0.5933059	0.5525667	16	0.92100121
ENSG00000164002	1	EXO5	40974413	rs4660419	1	41018167	C	T	0.191849	-0.0058474	0.0101618	0.564999	0.559247	0.101965	4.14E-08	-0.0104559	0.0182702	0.5671259	0.8336832	3	0.91214319
ENSG00000164008	1	C1orf50	43232940	rs33950227	1	43296173	T	C	0.252485	0.0040992	0.00844432	0.627365	-0.671648	0.081448	1.63E-16	-0.0061032	0.0125943	0.6279603	0.4517532	20	0.92830685
ENSG00000177868	1	CCDC23	43272723	rs33950227	1	43296173	T	C	0.252485	0.0040992	0.00844432	0.627365	0.604236	0.082795	2.92E-13	0.0067841	0.0140061	0.6281245	0.4413111	14	0.92830685
ENSG00000164010	1	ERMAP	43282795	rs12406279	1	43310639	G	A	0.16501	-0.0001929	0.0113428	0.986428	-0.560309	0.0972488	8.33E-09	0.00034435	0.0202439	0.9864286	0.1389623	3	0.99593757
ENSG00000227533	1	SLC2A1-AS1	43424720	rs841839	1	43430084	A	C	0.469185	-0.0085103	0.00812322	0.294802	0.855495	0.111506	1.69E-14	-0.0099478	0.00958346	0.2992644	0.4981038	10	0.80544615
ENSG00000117407	1	ARTN	44398992	rs4660262	1	44382524	A	G	0.740557	0.0036237	0.00934151	0.69808	-0.726022	0.129357	1.99E-08	-0.0049912	0.0128974	0.6987632	0.9774178	3	0.94727701
ENSG00000232022	1	RP5-1109J22.1	46897801	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	-0.671783	0.0774539	4.20E-18	-0.002032	0.0128473	0.8743287	0.7321613	20	0.97736574
ENSG00000272491	1	RP5-1024N4.4	48693560	rs2275309	1	48937691	T	A	0.428429	-0.0021491	0.00829875	0.79566	0.566248	0.0971438	5.58E-09	-0.0037954	0.0146701	0.7958569	0.3364316	17	0.95044568
ENSG00000227742	1	CALR4P	52027538	rs12142039	1	52048980	T	C	0.459245	-0.0018018	0.00862102	0.83445	-0.574134	0.0988529	6.32E-09	0.00313824	0.0150254	0.8345559	0.184057	4	0.95954475
ENSG00000162377	1	SELRC1	53152508	rs392350	1	53157747	T	C	0.365805	0.00537571	0.00843972	0.524155	-0.298778	0.0406962	2.11E-13	-0.0179923	0.0283536	0.525709	0.440183	5	0.8908562
ENSG00000162378	1	ZYG11B	53192126	rs534703	1	53273481	G	A	0.336978	-0.0095231	0.00827654	0.249891	0.187452	0.0294611	1.98E-10	-0.0508029	0.044869	0.2575297	0.3073143	15	0.77102595
ENSG00000162383	1	SLC1A7	53552855	rs3737989	1	53600078	G	A	0.159046	0.0209027	0.0107785	0.052465	1.03627	0.119341	3.84E-18	0.0201711	0.0106575	0.05840206	0.8878714	13	0.5969465
ENSG00000162384	1	C1orf123	53679771	rs11206124	1	53660773	G	A	0.312127	-0.0123929	0.00826766	0.133885	-0.495637	0.0739245	2.02E-11	0.025004	0.0170927	0.1435092	0.617987	7	0.66790255
ENSG00000184313	1	MROH7	55107463	rs573411	1	55052071	A	G	0.55169	-0.0001067	0.00806712	0.989452	0.30264	0.0542201	2.38E-08	-0.0003524	0.0266559	0.9894519	0.8257226	8	0.99593757
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.22497	0.0897541	2.07E-42	0.0132798	0.00705817	0.05990594	0.3451915	10	0.5969465
ENSG00000177414	1	UBE2U	64669310	rs705544	1	64728286	G	A	0.65507	0.00520872	0.0088891	0.557898	-0.892726	0.0914641	1.66E-22	-0.0058346	0.00997518	0.5586056	0.5409726	20	0.91086573
ENSG00000213625	1	LEPROT	65886270	rs4592284	1	65867391	G	C	0.581511	0.0110689	0.00814798	0.174311	-0.299789	0.0393064	2.40E-14	-0.0369223	0.0276068	0.1810809	0.573192	8	0.69422261
ENSG00000197568	1	HHLA3	70820488	rs7536099	1	70821757	G	A	0.261431	0.0037354	0.0107382	0.727944	-0.450589	0.0778476	7.12E-09	-0.00829	0.0238745	0.7284152	0.8307332	5	0.94727701
ENSG00000162620	1	LRRIQ3	74491699	rs533371	1	74687012	G	A	0.464215	0.00108298	0.00807081	0.893257	-0.809842	0.107144	4.08E-14	-0.0013373	0.00996748	0.8932732	0.9289888	11	0.97987891
ENSG00000116783	1	TNNI3K	74663947	rs34018059	1	74641756	G	C	0.407555	0.00105024	0.0085646	0.902403	0.507927	0.0781028	7.86E-11	0.0020677	0.0168649	0.9024208	0.7920005	3	0.97987891
ENSG00000272864	1	RP11-17E13.2	75164453	rs1327086	1	75271032	G	A	0.505964	0.00324765	0.00817326	0.69111	-0.817739	0.0889383	3.77E-20	-0.0039715	0.0100043	0.6913821	0.3214509	20	0.94651419
ENSG00000116791	1	CRYZ	75171170	rs17617240	1	75173938	T	C	0.0417495	0.0514158	0.0279986	0.066304	-1.27181	0.183589	4.28E-12	-0.0404273	0.0227751	0.07588754	0.00957033	8	0.61606353
ENSG00000057468	1	MSH4	76262567	rs4612585	1	76369901	T	C	0.383698	-0.0051365	0.00816623	0.529353	-0.719079	0.096391	8.65E-14	0.00714319	0.0113968	0.5308091	0.997346	20	0.89543678
ENSG00000236268	1	RP11-170N11.1	83439565	rs17109470	1	83445740	A	G	0.0606362	-0.0041306	0.0145691	0.77678	0.906589	0.147964	8.95E-10	-0.0045562	0.0160874	0.7770122	0.8301519	5	0.94953271
ENSG00000153898	1	MCOLN2	85391268	rs7519134	1	85463208	C	A	0.466203	-0.0018683	0.00823929	0.820618	-0.716505	0.0905403	2.50E-15	0.00260746	0.011504	0.8206904	0.621474	20	0.95533382
ENSG00000055732	1	MCOLN3	85483765	rs4907019	1	85522897	C	G	0.241551	0.00666912	0.00967591	0.490666	-0.602137	0.106039	1.36E-08	-0.0110758	0.0161872	0.4938313	0.4311866	15	0.88426028
ENSG00000153936	1	HS2ST1	87380331	rs61771745	1	87451542	G	A	0.148111	-0.0095037	0.0125461	0.448753	-0.353331	0.0598129	3.48E-09	0.0268973	0.0357988	0.4524439	0.5854361	20	0.87797516
ENSG00000137944	1	CCBL2	89401456	rs7517036	1	89443967	T	A	0.454274	-0.007389	0.0082254	0.369019	-0.732012	0.0781118	7.16E-21	0.0100941	0.0112882	0.3712082	0.4503162	17	0.84538623
ENSG00000117226	1	GBP3	89472349	rs12121223	1	89481583	T	C	0.32008	0.0176619	0.00946381	0.0620055	-0.856855	0.0792414	2.98E-27	-0.0206125	0.0112081	0.06590529	0.557898	20	0.61480596
ENSG00000162669	1	HFM1	91726323	rs282057	1	91821503	G	A	0.641153	-0.002974	0.00840165	0.723354	-0.45642	0.0792901	8.60E-09	0.00651595	0.0184425	0.7238546	0.1347697	3	0.94727701
ENSG00000097046	1	CDC7	91966408	rs17501512	1	92012481	C	G	0.489066	0.00150213	0.00805929	0.852143	-0.38373	0.0671204	1.08E-08	-0.0039146	0.0210137	0.8522205	0.2523562	6	0.96738312
ENSG00000273487	1	RP4-621B10.8	92654794	rs71650498	1	93006340	T	C	0.0407555	-0.0553524	0.0226764	0.0146477	0.89094	0.160669	2.94E-08	-0.0621281	0.0278091	0.02547677	0.01325736	9	0.47366505
ENSG00000223745	1	RP4-717I23.3	93727743	rs10874774	1	93799002	T	C	0.805169	-0.0013983	0.0109173	0.898083	0.938743	0.0751089	7.61E-36	-0.0014896	0.0116303	0.8980879	0.05226541	19	0.97987891
ENSG00000230439	1	RP11-488P3.1	94218480	rs4141737	1	94344110	A	G	0.32505	0.00329634	0.00880659	0.708177	0.703107	0.123463	1.23E-08	0.00468825	0.0125523	0.7087779	0.5780554	8	0.94727701
ENSG00000260464	1	RP4-561L24.3	94312730	rs6660210	1	94304926	T	C	0.497018	-0.0009442	0.008066	0.906815	-0.330414	0.0594761	2.77E-08	0.00285756	0.0244172	0.9068359	0.7538073	6	0.97987891
ENSG00000143036	1	SLC44A3	95285898	rs859117	1	95306057	G	T	0.89165	0.0156465	0.0127188	0.218627	0.495328	0.0741802	2.43E-11	0.0315882	0.0261097	0.2263455	0.3958991	4	0.73598765
ENSG00000122481	1	RWDD3	95699711	rs259334	1	95739701	T	C	0.917495	-0.0125911	0.0135638	0.353256	-0.554903	0.0858089	1.00E-10	0.0226906	0.0246941	0.3581645	0.4213593	20	0.8429066
ENSG00000225206	1	MIR137HG	98453556	rs4414075	1	98307452	C	T	0.0785288	-0.0176222	0.0162744	0.27889	0.550616	0.0919003	2.08E-09	-0.0320045	0.0300355	0.2866247	0.8293017	5	0.78981918
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-0.498103	0.084922	4.48E-09	-0.0190794	0.019217	0.3207885	0.5268189	4	0.82332315
ENSG00000121940	1	CLCC1	109472130	rs17030016	1	109394564	C	T	0.0536779	-0.052403	0.0233517	0.0248273	0.615307	0.108089	1.25E-08	-0.0851656	0.0407937	0.03682353	0.02429168	4	0.50611661
ENSG00000168765	1	GSTM4	110198703	rs506912	1	110191977	A	C	0.670974	0.00717462	0.00886255	0.418203	0.560126	0.0856104	6.04E-11	0.0128089	0.0159431	0.4217338	0.9721526	3	0.8760777
ENSG00000134184	1	GSTM1	110230436	rs11101992	1	110266754	C	A	0.23161	-0.013022	0.00967612	0.17837	0.732891	0.131523	2.51E-08	-0.017768	0.0135823	0.1908135	0.6140126	7	0.70839193
ENSG00000134201	1	GSTM5	110254864	rs4970776	1	110271457	A	T	0.379722	0.00238489	0.00822266	0.771786	-0.814828	0.0854493	1.49E-21	-0.0029269	0.010096	0.7718892	0.2906288	20	0.94953271
ENSG00000134202	1	GSTM3	110276554	rs6673666	1	110273908	T	G	0.181909	-0.0050409	0.0105566	0.632999	0.826087	0.0766557	4.44E-27	-0.0061021	0.0127916	0.6333317	0.2722016	16	0.93051058
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.532133	0.0587222	1.28E-19	0.00877566	0.0162656	0.5895262	0.2776374	18	0.91802304
ENSG00000260948	1	RP11-552M11.8	111973668	rs12740822	1	112015292	C	T	0.599404	-0.0047025	0.00810259	0.561663	0.584756	0.09806	2.47E-09	-0.0080419	0.0139218	0.5635051	0.08544161	7	0.91214319
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	1.07569	0.11361	2.84E-21	-0.000164	0.00909576	0.9856174	0.310119	13	0.99593757
ENSG00000273483	1	RP4-671G15.2	113060421	rs10745330	1	113083439	T	C	0.481113	-0.0051757	0.00812499	0.524115	-0.393534	0.0598158	4.73E-11	0.013152	0.0207428	0.5260483	0.3906741	8	0.8908562
ENSG00000007341	1	ST7L	113066140	rs6537748	1	113214381	G	T	0.446322	0.00815718	0.00849244	0.336792	-0.502936	0.0910292	3.29E-08	-0.0162191	0.017139	0.3439813	0.7262317	7	0.8363037
ENSG00000116874	1	WARS2	119573839	rs2645303	1	119555146	T	G	0.450298	-0.0058514	0.00805711	0.46769	-0.780832	0.0808072	4.33E-22	0.00749381	0.0103477	0.4689434	0.2260394	19	0.88426028
ENSG00000231365	1	RP11-418J17.1	119683019	rs10923767	1	119732347	T	C	0.27833	-0.011797	0.00933834	0.206486	-0.815162	0.0920361	8.22E-19	0.014472	0.0115717	0.2110697	0.9821393	16	0.73142018
ENSG00000223345	1	HIST2H2BA	120906028	rs11249433	1	121280613	G	A	0.431412	-0.006729	0.00844376	0.425495	0.603053	0.108822	3.00E-08	-0.0111583	0.0141457	0.4302231	0.6440547	12	0.8760777
ENSG00000223804	1	RP6-206I17.1	143647638	rs71259660	1	144581564	A	C	0.206759	-0.0042204	0.00987884	0.669223	-0.610073	0.100127	1.11E-09	0.00691783	0.0162326	0.6699855	0.4712273	13	0.94200099
ENSG00000227733	1	RP4-565E6.1	146093234	rs74124103	1	147734892	T	C	0.153082	-0.0132889	0.0103852	0.200685	-0.887753	0.158448	2.11E-08	0.0149691	0.0119995	0.2122219	0.8696414	6	0.7320182
ENSG00000162836	1	ACP6	147101453	rs12045115	1	147118181	C	T	0.578529	-0.003774	0.00818441	0.644712	0.650049	0.066394	1.23E-22	-0.0058057	0.0126044	0.6450784	0.4205498	13	0.93485806
ENSG00000143376	1	SNX27	151584541	rs17641780	1	151659071	G	A	0.33499	0.0214244	0.00857104	0.0124325	0.436909	0.0797408	4.27E-08	0.0490363	0.0215625	0.02295707	0.01651714	5	0.45306928
ENSG00000159445	1	THEM4	151846060	rs11204915	1	151882826	T	C	0.604374	0.00064914	0.00840002	0.938402	0.437991	0.0747643	4.68E-09	0.00148208	0.0191802	0.9384078	0.89454	7	0.99087277
ENSG00000197747	1	S100A10	151955391	rs999992	1	151996692	C	G	0.32008	-0.0062518	0.0091518	0.494529	-0.465466	0.0704284	3.87E-11	0.0134313	0.0197663	0.4968189	0.6981095	8	0.88426028
ENSG00000237975	1	FLG-AS1	152140601	rs61815526	1	152238688	A	G	0.133201	-0.0067935	0.0119593	0.570003	-1.14734	0.134819	1.74E-17	0.00592104	0.0104467	0.5708594	0.3341716	11	0.91214319
ENSG00000189171	1	S100A13	153591263	rs3806233	1	153600778	A	G	0.442346	0.0126267	0.00820662	0.123902	0.313125	0.0389312	8.76E-16	0.0403248	0.026684	0.1307382	0.6766681	18	0.65842282
ENSG00000163354	1	DCST2	154990996	rs10908452	1	155001929	C	T	0.361829	0.00936987	0.00816775	0.251308	-0.5065	0.0869491	5.70E-09	-0.0184992	0.0164356	0.2603516	0.3355178	7	0.77251343
ENSG00000163382	1	APOA1BP	156561554	rs12118894	1	156552711	G	C	0.245527	0.0192558	0.00968217	0.046724	-0.627769	0.075508	9.26E-17	-0.0306734	0.0158583	0.05308616	0.4125952	13	0.59174573
ENSG00000158714	1	SLAMF8	159796540	rs61157618	1	159809142	T	A	0.162028	0.0264119	0.011771	0.0248439	-0.55589	0.100856	3.55E-08	-0.0475128	0.0228625	0.03769076	0.2667082	4	0.50611661
ENSG00000188004	1	C1orf204	159804264	rs11807946	1	159824205	T	C	0.241551	-0.0003187	0.00923912	0.972483	-0.626692	0.106548	4.06E-09	0.00050854	0.0147429	0.9724835	0.2141851	6	0.99535579
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.881756	0.0685531	7.33E-38	0.014728	0.00950682	0.1213328	0.4917816	10	0.65842282
ENSG00000143318	1	CASQ1	160160285	rs3747623	1	160163509	T	C	0.372763	0.00371932	0.00819467	0.649922	-0.408125	0.066992	1.11E-09	-0.0091132	0.0201345	0.6508251	0.1183382	5	0.93515218
ENSG00000185860	1	C1orf110	162794248	rs12090563	1	162831391	A	G	0.188867	0.0344552	0.0107537	0.00135522	0.788547	0.109874	7.14E-13	0.0436945	0.0149347	0.00343673	0.2986305	9	0.26312201
ENSG00000225171	1	DUTP6	166837985	rs6675750	1	166827224	A	G	0.417495	0.00012425	0.00821184	0.987928	0.553016	0.0983775	1.89E-08	0.00022468	0.0148492	0.9879277	0.7018915	4	0.99593757
ENSG00000143194	1	MAEL	166958346	rs7551881	1	166955312	T	G	0.32505	-0.0066086	0.00853796	0.438916	-0.767445	0.0817194	5.93E-21	0.00861116	0.0111629	0.4404647	0.3662972	20	0.8760777
ENSG00000117477	1	CCDC181	169364108	rs16862199	1	169434120	C	T	0.186879	0.0072257	0.0102991	0.48294	-0.482515	0.0774409	4.64E-10	-0.0149751	0.0214795	0.4856903	0.698309	8	0.88426028
ENSG00000171806	1	METTL18	169761670	rs12142961	1	170049553	C	T	0.102386	-0.0131525	0.016092	0.413741	-1.02847	0.128052	9.62E-16	0.0127884	0.0157274	0.4161423	0.649479	6	0.8760777
ENSG00000000457	1	SCYL3	169818772	rs16862682	1	169757024	T	C	0.501988	0.0107127	0.00815693	0.189073	-0.488935	0.0796534	8.34E-10	-0.0219103	0.0170606	0.1990514	0.8283056	7	0.7153523
ENSG00000120370	1	GORAB	170501270	rs79008867	1	170438151	G	A	0.161034	0.00173786	0.0121573	0.886331	-0.559698	0.100304	2.41E-08	-0.003105	0.0217283	0.8863684	0.1197328	8	0.97971665
ENSG00000271811	1	RP1-79C4.4	170636522	rs494339	1	170578587	A	G	0.567594	-0.0098978	0.00812943	0.223404	-0.569002	0.0846593	1.80E-11	0.017395	0.0145197	0.2309054	0.6243417	8	0.73598765
ENSG00000094963	1	FMO2	171154347	rs10798252	1	171156431	G	A	0.387674	0.00682553	0.00825734	0.408463	-0.56424	0.10031	1.86E-08	-0.0120969	0.0147916	0.4134609	0.8490248	5	0.8760777
ENSG00000162753	1	SLC9C2	173469603	rs61826793	1	173646773	A	G	0.121272	0.0204003	0.0128743	0.113064	0.98076	0.166222	3.63E-09	0.0208005	0.013592	0.1259303	0.7581684	10	0.65842282
ENSG00000117601	1	SERPINC1	173872947	rs7528380	1	173896153	A	G	0.122266	0.0224657	0.0129774	0.0834257	0.92026	0.163255	1.73E-08	0.0244123	0.0147519	0.09795282	0.9067947	5	0.64481993
ENSG00000242193	1	RP11-568K15.1	177975271	rs34322793	1	177982948	C	T	0.28827	-0.0014215	0.00888977	0.872962	-0.396221	0.0696624	1.29E-08	0.00358752	0.0224453	0.8730117	0.4614104	6	0.97703206
ENSG00000143322	1	ABL2	179068462	rs1173077	1	179220878	T	C	0.382704	0.00081421	0.00848496	0.923553	0.460127	0.0690077	2.60E-11	0.00176952	0.0184424	0.9235612	0.8763101	14	0.98275205
ENSG00000227141	1	RP11-545A16.3	179555840	rs3765547	1	179542602	A	G	0.317097	-0.0002555	0.00927178	0.978016	0.429285	0.0783223	4.23E-08	-0.0005952	0.0215985	0.9780161	0.3473111	6	0.99593757
ENSG00000162782	1	TDRD5	179560748	rs10913821	1	179549586	A	G	0.319085	-0.0055703	0.00952423	0.558648	0.568966	0.0655771	4.09E-18	-0.0097902	0.0167775	0.5595384	0.00315404	20	0.91086573

ENSG00000135828	1	RNASEL	182542769	rs610367	1	182571003	T	C	0.606362	-0.0016419	0.0082967	0.843127	-0.516893	0.0807641	1.55E-10	0.00317644	0.0160588	0.8432008	0.9892568	6	0.96559734
ENSG00000058085	1	LAMC2	183155373	rs481023	1	183161869	T	G	0.333002	0.00295272	0.00817724	0.718032	0.799148	0.106953	7.90E-14	0.00369483	0.0102444	0.7183468	0.04463598	20	0.94727701
ENSG00000244414	1	CFHR1	196788887	rs10922105	1	196690250	C	A	0.423459	-0.0191363	0.00822959	0.0200553	-0.617101	0.0973227	2.29E-10	0.03101	0.0142044	0.02902597	0.1454312	10	0.48674683
ENSG00000118197	1	DDX59	200593024	rs12061556	1	200650239	C	G	0.425447	0.0215943	0.00805502	0.00734345	-0.459415	0.067288	8.64E-12	-0.0470039	0.0188364	0.01258218	0.304351	5	0.44186828
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.842582	0.0820332	9.50E-25	0.0229668	0.00983049	0.01947664	0.1599207	17	0.45306928
ENSG00000198892	1	SHISA4	201857808	rs10920265	1	201822955	T	C	0.206759	-0.0148616	0.00946628	0.116426	-0.425893	0.070073	1.22E-09	0.0348951	0.0229564	0.1284961	0.625755	5	0.65842282
ENSG00000214796	1	RP11-480I12.5	202820956	rs3795590	1	202842935	T	C	0.409543	0.00222796	0.00811171	0.783578	-0.560715	0.0856751	5.96E-11	-0.0039734	0.0144795	0.7837633	0.2118442	6	0.94953271
ENSG00000162877	1	PM20D1	205797150	rs9438393	1	205782718	G	A	0.394632	0.0119225	0.00809409	0.140753	-0.746817	0.111492	2.11E-11	-0.0159644	0.0110971	0.1502595	0.2723821	9	0.67014512
ENSG00000236809	1	SNX25P1	211590367	rs11580728	1	211614280	T	C	0.206759	-0.0041233	0.011083	0.709865	0.753891	0.115833	7.59E-11	-0.0054693	0.0147251	0.7103172	0.5976933	11	0.94727701
ENSG00000226251	1	RP11-15I11.3	212398620	rs2884466	1	212555668	A	G	0.200795	-0.0007562	0.010457	0.94235	0.914626	0.112426	4.11E-16	-0.0008268	0.0114335	0.9423524	0.9899634	11	0.99087277
ENSG00000198468	1	FLVCR1-AS1	213025450	rs11120060	1	213062180	A	G	0.563618	0.00589961	0.00824684	0.474375	1.04533	0.0850905	1.09E-34	0.00564378	0.00790259	0.475123	0.612817	20	0.88426028
ENSG00000067533	1	RRP15	218458629	rs10863387	1	218471383	C	T	0.404573	0.0152508	0.0080681	0.0587232	0.619845	0.0900467	5.84E-12	0.0246042	0.0134982	0.06833629	0.5552336	4	0.61480596
ENSG00000272823	1	RP11-295M18.6	221002018	rs11118618	1	221011546	T	C	0.244533	-0.0084943	0.00939039	0.365691	0.87118	0.115833	5.44E-14	-0.0097503	0.0108566	0.3691316	0.1108818	20	0.84538623
ENSG00000238078	1	RP11-295M18.2	221002597	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.813611	0.0993508	2.63E-16	-0.0067979	0.010522	0.5182386	0.1985398	20	0.88902293
ENSG00000225265	1	RP11-378J18.3	222763167	rs17011636	1	222725850	C	T	0.250497	-0.0185849	0.00960791	0.0530726	-0.567287	0.0937676	1.45E-09	0.032761	0.0177812	0.06540923	0.4297312	3	0.61480596
ENSG00000272750	1	RP11-378J18.8	222832209	rs36079339	1	222841614	A	G	0.737575	0.00622464	0.00925388	0.501169	-0.899133	0.0911112	5.70E-23	-0.0069229	0.0103159	0.5021602	0.2935925	20	0.88426028
ENSG00000272645	1	RP11-504P24.8	224139096	rs61823657	1	224112617	G	C	0.412525	-0.0108762	0.00819042	0.184205	-0.37736	0.052053	4.18E-13	0.0288218	0.0220656	0.1914895	0.2085342	13	0.70883449
ENSG00000243709	1	LEFTY1	226073982	rs3753669	1	226071994	A	G	0.110338	-0.0267522	0.010859	0.0137547	-0.746077	0.126697	3.89E-09	0.0358572	0.0157772	0.02304311	0.2966864	5	0.45306928
ENSG00000163041	1	H3F3A	226249552	rs12096468	1	226258270	T	C	0.279324	0.00721052	0.0089963	0.422843	0.493328	0.060222	2.57E-16	0.0146161	0.018323	0.4250508	0.1039535	18	0.8760777
ENSG00000185155	1	MIXL1	226411319	rs7552015	1	226460188	C	G	0.67992	-0.0032228	0.0094242	0.732372	0.647383	0.110988	5.45E-09	-0.0049782	0.0145824	0.7328126	0.5989899	5	0.94727701
ENSG00000143740	1	SNAP47	227916240	rs2295994	1	227922918	C	A	0.397614	-0.0199336	0.00821267	0.0152167	-0.259396	0.0402732	1.19E-10	0.0768462	0.0338342	0.02313116	0.9497437	6	0.45306928
ENSG00000135744	1	AGT	230838269	rs10864768	1	230825447	C	T	0.210736	-0.0026523	0.00911636	0.771095	-0.33159	0.0512015	9.41E-11	0.00799885	0.0275206	0.7713192	0.4575805	7	0.94953271
ENSG00000135773	1	CAPN9	230883130	rs11579420	1	230896238	G	A	0.571571	0.00289741	0.00826379	0.725877	0.469735	0.0740905	2.30E-10	0.00616818	0.0176193	0.7262785	0.7948292	17	0.94727701
ENSG00000182118	1	FAM89A	231154704	rs4310430	1	231172881	G	T	0.316103	-0.0017052	0.00892144	0.848421	0.550992	0.0638409	6.10E-18	-0.0030948	0.0161956	0.8484574	0.03887778	14	0.96559734
ENSG00000135778	1	NTPCR	233086351	rs12410594	1	233070803	C	T	0.162028	0.00257352	0.0107866	0.811429	0.851731	0.083486	1.94E-24	0.00302152	0.0126678	0.811478	0.5325059	12	0.95331821
ENSG00000231663	1	RP5-827C21.4	234508553	rs11549817	1	234508956	C	A	0.0934394	0.00186299	0.0174304	0.914883	1.03862	0.151765	7.72E-12	0.00179372	0.0167843	0.9148932	0.7324128	4	0.97987891
ENSG00000168275	1	COA6	234509202	rs10910420	1	234509259	C	G	0.49503	8.97E-05	0.00812127	0.991186	0.382017	0.0599944	1.92E-10	0.00023486	0.021259	0.9911857	0.3613442	6	0.99593757
ENSG00000224939	1	LINC00184	234765057	rs6696170	1	234772346	T	C	0.205765	-0.0173101	0.0105865	0.102027	0.762578	0.101232	4.96E-14	-0.0226994	0.0142058	0.1100649	0.03432692	13	0.64481993
ENSG00000086619	1	ERO1LB	236378855	rs2812473	1	236428895	G	A	0.279324	-0.013785	0.00835669	0.0990285	0.585491	0.0973617	1.81E-09	-0.0235443	0.0148002	0.1116521	0.5462803	9	0.64481993
ENSG00000162843	1	WDR64	241815580	rs12037241	1	241853637	T	G	0.373757	0.00440128	0.00870212	0.613018	0.590246	0.098887	2.39E-09	0.00745669	0.014796	0.614286	0.3250153	4	0.92780325
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	0.959346	0.0860336	7.09E-29	0.0067851	0.00864469	0.4325201	0.700237	20	0.8760777
ENSG00000224525	1	RP11-561I11.3	242366857	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.01145	0.0894038	1.13E-29	0.00643557	0.00819879	0.4324876	0.7027219	20	0.8760777
ENSG00000272195	1	RP11-156E8.1	245132652	rs2291426	1	245134114	C	A	0.582505	0.0265544	0.0086617	0.0021714	1.04246	0.0798947	6.53E-39	0.0254728	0.00853517	0.00284086	0.1192952	20	0.24369595
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.751339	0.0605247	2.20E-35	-0.0151814	0.0108559	0.1619786	0.00326663	20	0.67326138
ENSG00000260855	1	RP11-439E19.10	246935603	rs3795464	1	246940179	A	G	0.380716	0.0106838	0.00868637	0.218715	0.64238	0.0855636	6.02E-14	0.0166316	0.0137024	0.2248358	0.7152051	20	0.73598765
ENSG00000188295	1	ZNF669	247263264	rs2270616	1	247267668	T	G	0.388668	-0.0017997	0.00825834	0.827489	0.484415	0.0884454	4.33E-08	-0.0037152	0.0170616	0.8276236	0.5865859	5	0.95665234
ENSG00000221953	1	C1orf229	247273462	rs6696117	1	247273748	T	C	0.364811	0.00668193	0.00866841	0.440803	-0.620002	0.0774151	1.16E-15	-0.0107773	0.0140459	0.4429085	0.6089342	20	0.8760777
ENSG00000196418	1	ZNF124	247285277	rs4925715	1	247288469	T	G	0.277336	0.00980286	0.00936003	0.294957	-0.976165	0.100763	3.40E-22	-0.0100422	0.00964444	0.2977624	0.9451049	19	0.80544615
ENSG00000162714	1	ZNF496	247460714	rs4925532	1	247482434	T	C	0.663022	0.0101642	0.00828104	0.219672	-0.432338	0.0673531	1.37E-10	-0.0235098	0.0195011	0.2279855	0.4184107	8	0.73598765
ENSG00000226191	1	RP11-438H8.8	248099363	rs12125187	1	248099308	C	T	0.687873	0.00918306	0.00882165	0.29789	-0.452823	0.0803791	1.76E-08	-0.0202796	0.0198112	0.3060053	0.8145885	5	0.80715034
ENSG00000196071	1	OR2L13	248100493	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.607391	0.0794457	2.08E-14	-0.0066556	0.0140454	0.635598	0.2578375	15	0.93167523
ENSG00000224521	1	RP11-438F14.3	248712057	rs11485847	1	248691455	T	C	0.800199	0.00371726	0.00934035	0.690645	-0.76062	0.114409	2.97E-11	-0.0048871	0.0123019	0.6911702	0.09979941	3	0.94651419
ENSG00000272342	2	RP13-539J13.1	739588	rs60576697	2	742849	A	G	0.234592	-0.0051967	0.00974538	0.593864	1.0086	0.128062	3.38E-15	-0.0051524	0.00968441	0.594707	0.7755474	10	0.92176189
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs10178877	2	3478452	G	A	0.512922	-0.0101563	0.00808064	0.208803	-0.557158	0.0804066	4.23E-12	0.0182288	0.01474	0.2162026	0.9559919	16	0.7320182
ENSG00000234171	2	AC108488.3	3606082	rs12629	2	3609064	A	G	0.295229	0.0086602	0.00838912	0.301926	-1.08278	0.0744849	7.07E-48	-0.0079981	0.00776727	0.3031414	0.5972505	10	0.80715034
ENSG00000118004	2	COLEC11	3642426	rs11123637	2	3654190	C	T	0.644135	-0.0065833	0.00898982	0.463982	-0.877321	0.103845	2.95E-17	0.00750387	0.0102853	0.4656528	0.6290687	16	0.88426028
ENSG00000151360	2	ALLC	3705785	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.61435	0.16051	8.50E-24	-0.0073141	0.00814095	0.3689552	0.584366	8	0.84538623
ENSG00000271952	2	RP11-245G13.2	11018395	rs34413173	2	10984402	A	G	0.421471	0.0124559	0.00846711	0.141265	0.815817	0.12004	1.07E-11	0.015268	0.010619	0.1504923	0.2831147	3	0.67014512
ENSG00000178295	2	GEN1	17935125	rs300160	2	17981589	A	G	0.553678	-0.0091175	0.00807772	0.259013	-0.406218	0.0714405	1.30E-08	0.0224449	0.0202732	0.26824	0.8727184	10	0.77373906
ENSG00000183891	2	TTC32	20096404	rs10495701	2	20197851	T	A	0.112326	-0.0328086	0.0151156	0.0299675	1.32826	0.136501	2.23E-22	-0.0247004	0.0116597	0.03413685	0.6663324	20	0.49917972
ENSG00000118961	2	C2orf43	20883788	rs10182643	2	20884586	C	G	0.246521	0.00474416	0.00930063	0.609988	-0.678896	0.0859933	2.91E-15	-0.0069881	0.0137282	0.610732	0.3450799	17	0.92780325
ENSG00000219626	2	FAM228B	24299396	rs12713210	2	24351009	C	T	0.138171	0.032876	0.010158	0.00121018	-0.811635	0.119226	9.93E-12	-0.0405059	0.0138579	0.0034674	0.1616116	9	0.26312201
ENSG00000232642	2	AC008073.7	24388753	rs6545340	2	24422269	G	C	0.315109	-0.0220477	0.00902358	0.0145519	1.03713	0.119837	4.95E-18	-0.0212584	0.00904062	0.01870142	0.09042524	20	0.45306928
ENSG00000171103	2	TRMT61B	29072687	rs62131974	2	29046814	T	C	0.491054	0.0133447	0.00807803	0.0985394	-0.368553	0.0620336	2.83E-09	-0.0362084	0.0227498	0.1114761	0.7894464	10	0.64481993
ENSG00000189350	2	FAM179A	29179477	rs74175081	2	29180123	A	G	0.208748	-0.0120832	0.0122227	0.322867	0.956502	0.103351	2.15E-20	-0.0126327	0.0128512	0.3256101	0.856868	20	0.82362657
ENSG00000179270	2	C2orf71	29283842	rs13016696	2	29286905	T	G	0.258449	-0.0106169	0.0111065	0.339116	-0.781225	0.119514	6.29E-11	0.0135901	0.014368	0.3442214	0.1773717	6	0.8363037
ENSG00000018699	2	TTC27	32853099	rs41410549	2	32894470	C	G	0.137177	0.0183608	0.0127146	0.148721	-0.821356	0.13521	1.24E-09	-0.0223543	0.0159114	0.1600448	0.01810105	8	0.67326138
ENSG00000171055	2	FEZ2	36778570	rs10175266	2	36784987	G	A	0.39165	-0.0025492	0.00830034	0.758751	-0.377863	0.0632046	2.25E-09	0.00674644	0.0219955	0.7590572	0.4543972	8	0.94873228
ENSG00000218739	2	AC007390.5	37423631	rs4670193	2	37536488	A	G	0.582505	0.00202546	0.00825398	0.806153	-0.47637	0.0600027	2.04E-15	-0.0042519	0.0173351	0.8062437	0.6495052	20	0.95331821
ENSG00000143891	2	GALM	38893052	rs11689051	2	38896783	T	C	0.121272	-0.0237537	0.0137261	0.0835314	0.602851	0.105905	1.25E-08	-0.0394023	0.0237976	0.09777726	0.6148621	3	0.64481993
ENSG00000152527	2	PLEKHH2	43864412	rs72790989	2	43941531	T	G	0.209742	0.00278947	0.00950148	0.769077	-0.492592	0.0813845	1.42E-09	-0.0056628	0.0193114	0.7693403	0.648401	6	0.94953271
ENSG00000138095	2	LRPPRC	44113647	rs7594526	2	44173422	G	T	0.413519	-0.0030133	0.00815673	0.711808	0.292448	0.0364433	1.02E-15	-0.0103038	0.0279208	0.7120986	0.5884083	20	0.94727701
ENSG00000119878	2	CRIPT	46843555	rs12104572	2	46862466	G	C	0.423459	0.00120625	0.00840193	0.885842	0.509231	0.0621687	2.59E-16	0.00236877	0.0165018	0.8858589	0.6655185	20	0.97971665
ENSG00000180398	2	MCFD2	47129009	rs6716381	2	47148163	A	G	0.181909	-0.0184544	0.011842	0.119143	-0.625893	0.0554459	1.50E-29	0.0294849	0.0190996	0.1226503	0.8445283	20	0.65842282
ENSG00000119888	2	EPCAM	47572297	rs4953495	2	47578181	G	A	0.0695825	-0.0046367	0.0135012	0.731277	1.46075	0.187387	6.42E-15	-0.0031742	0.00925161	0.7315268	0.7307427	7	0.94727701
ENSG00000170802	2	FOXN2	48541776	rs79247094	2	48554955	A	G	0.12326	-0.0082845	0.0148788	0.577666	0.452761	0.0587624	1.31E-14	-0.0182977	0.0329481	0.5786557	0.5593423	18	0.91214319
ENSG00000243244	2	STON1	48756522	rs7557600	2	48772202	C	T	0.157058	0.00108137	0.00949818	0.909357	0.607177	0.100701	1.64E-09	0.00178098	0.015646	0.9093726	0.482902	20	0.97987891
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.603324	0.0999545	1.58E-09	-0.0045688	0.0138654	0.7417698	0.2047979	9	0.94727701
ENSG00000233266	2	HMGB1P31	54278471	rs2111623	2	53984957	C	T	0.50497	-0.012553	0.00817993	0.124881	0.747881	0.101115	1.40E-13	-0.0167848	0.0111704	0.1329402	0.209627	20	0.66232318
ENSG00000237887	2	AC092839.1	54756480	rs4671226	2	54782908	A	G	0.744533	-0.0004302	0.0103401	0.966814	-0.642375	0.106783	1.79E-09	0.00066969	0.0160971	0.9668151	0.7620692	13	0.99493047
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.837131	0.0619218	1.21E-41	-0.0051037	0.00967411	0.5978034	0.03300784	20	0.92181392
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.753745	0.0689353	7.92E-28	0.0111115	0.0110499	0.3146183	0.2635033	20	0.81632603
ENSG00000163219	2	ARHGAP25	68906733	rs10048745	2	68962137	A	G	0.239563	0.00599281	0.00975178	0.538863	-0.690543	0.0896633	1.34E-14	-0.0086784	0.0141668	0.5401489	0.5756832	8	0.8990588
ENSG00000257800	2	FNBP1P1	74347807	rs828899	2	74342229	T	C	0.430417	0.00103904	0.00830261	0.900407	0.77866	0.0798113	1.73E-22	0.00133439	0.0106636	0.900416	0.9337718	13	0.97987891
ENSG00000217702	2	MGC10955	74361599	rs12619982	2	74356022	A	G	0.181909	-0.0040329	0.0108064	0.709005	1.38895	0.125523	1.85E-28	-0.0029035	0.00778469	0.7091628	0.8584372	15	0.94727701
ENSG00000225439	2	BOLA3-AS1	74375136	rs35864597	2	74376412	C	T	0.436382	-0.0067369	0.00805578	0.402998	-0.286076	0.0426353	1.95E-11	0.0235493	0.0283774	0.4066188	0.4678984	8	0.86982438
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.14883	0.0790944	8.44E-48	-0.0073856	0.00784437	0.3464435	0.3674418	20	0.8363037
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.953091	0.0862888	2.31E-28	-0.0089024	0.00946987	0.3471812	0.3030005	16	0.8363037
ENSG00000115364	2	MRPL19	75873909	rs13391581	2	75913595	G	A	0.240557	-0.0019882	0.00885146	0.822273	-0.649736	0.0821764	2.65E-15	0.00306006	0.0136287	0.8223441	0.3181839	10	0.95542705
ENSG00000042493	2	CAPG	85621871	rs11894268	2	85652690	T	C	0.129225	-0.0053615	0.0131366	0.683177	-0.420939	0.0673463	4.09E-10	0.0127369	0.0312743	0.6838134	0.4746244	6	0.9461177
ENSG00000115486	2	GGCX	85771846	rs1446668	2	85764960	T	G	0.497018	-0.0045351	0.00809918	0.575517	0.651616	0.0822315	2.30E-15	-0.0069598	0.0124604	0.576467	0.4131487	14	0.91214319
ENSG00000273080	2	RP11-301O19.1	86422713	rs9653508	2	86422816	G	T	0.508946	0.0119234	0.00812335	0.142162	0.845165	0.111499	3.45E-14	0.0141078	0.00979009	0.1495774	0.1729918	20	0.67014512
ENSG00000231259	2	AC125232.1	87257800	rs10205992	2	87279109	T	C	0.516899	0.00100886	0.00829855	0.903239	-0.931212	0.0990749	5.50E-21	-0.0010834	0.0089123	0.9032471	0.0074378	20	0.97987891
ENSG00000234231	2	AC093616.4	88000503	rs62140479	2	87997445	T	C	0.199801	0.00261061	0.0100173	0.794394	-0.700912	0.115999	1.52E-09	-0.0037246	0.0143051	0.7945799	0.1972354	3	0.95044568
ENSG00000163586	2	FABP1	88422510	rs4281907	2	88438226	A	C	0.477137	0.0113196	0.00833009	0.174184	-0.802942	0.0997894	8.53E-16	-0.0140977	0.0105214	0.1802754	0.527609	9	0.69422261
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.11493	0.106851	1.73E-25	0.00346148	0.0077883	0.6567199	0.466432	7	0.9355295
ENSG00000144026	2	ZNF514	95813075	rs4854246	2	95837419	G	C	0.140159	-0.0026467	0.0125334	0.832752	-0.794804	0.13452	3.45E-09	0.00333004	0.0157792	0.8328565	0.1175257	10	0.95954475
ENSG00000196912	2	ANKRD36B	98108978	rs2034403	2	98176612	C	A	0.748509	0.00664521	0.00994461	0.503991	-0.622124	0.10183	1.00E-09	-0.0106815	0.0160803	0.5065234	0.3375344	3	0.88426028
ENSG00000115085	2	ZAP70	98330023	rs11894651	2	98317771	A	C	0.736581	0.00496402	0.00967661	0.607957	-0.614627	0.0950764	1.02E-10	-0.0080765	0.0157934	0.6090822	0.2563134	5	0.92780325
ENSG00000135951	2	TSGA10	99613724	rs1044575	2	99812070	A	G	0.648111	0.00223053	0.00818038	0.785109	0.634333	0.0876777	4.66E-13	0.00351634	0.0129052	0.785257	0.8660941	14	0.95019487
ENSG00000144182	2	LIPT1	99771418	rs13012481	2	99754290	A	C	0.632207	0.00049903	0.00815157	0.951185	0.483274	0.0811112	2.55E-09	0.0010326	0.0168683	0.9511874	0.2125327	3	0.99296872
ENSG00000144218	2	AFF3	100162323	rs56935201	2	100637788	A	G	0.188867	0.01194	0.0109998	0.277715	0.471828	0.057709	2.93E-16	0.0253058	0.0235177	0.2819127	0.2736526	20	0.78348136
ENSG00000163162	2	RNF149	101887681	rs6543025	2	101830306	A	G	0.432406	0.00480306	0.00806096	0.551281	0.572294	0.0865634	3.81E-11	0.00839264	0.0141424	0.5528888	0.5974238	7	0.90828443
ENSG00000212283	2	SNORD89	101889398	rs6543025	2	101830306	A	G	0.432406	0.00480306	0.00806096	0.551281	0.846218	0.107568	3.64E-15	0.00567591	0.00955315	0.5524182	0.6360163	7	0.90826759
ENSG00000115602	2	IL1RL1	102927962	rs1558619	2	102931550	T	G	0.493042	0.0125135	0.00803017	0.11916	-0.574176	0.070909	5.62E-16	-0.0217938	0.0142422	0.1259594	0.8301749	16	0.65842282
ENSG00000115604	2	IL18R1	102927989	rs1558619	2	102931550	T	G	0.493042	0.0125135	0.00803017	0.11916	-0.702366	0.0645057	1.31E-27	-0.0178162	0.0115495	0.1229296	0.6683443	20	0.65842282
ENSG00000234177	2	AC068057.2	105363096	rs4452168	2	105375946	G	C	0.355865	-0.0011396	0.00896154	0.89881	0.505466	0.0686007	1.73E-13	-0.0022546	0.0177319	0.8988243	0.1844148	5	0.97987891
ENSG00000119147	2	C2orf40	106679702	rs66989638	2	106689736	A	G	0.125249	0.0128267	0.010364	0.215856	-1.23919	0.211817	4.91E-09	-0.0103509	0.00854863	0.2259632	0.6249396	3	0.73598765
ENSG00000229360	2	PPP1R2P5	107557336	rs72830023	2	107616216	C	T	0.470179	0.0124155	0.00811013	0.125803	0.925151	0.104746	1.03E-18	0.01342	0.00889698	0.1314589	0.4076415	20	0.65997051
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.16166	0.133414	3.12E-18	0.00123815	0.00849861	0.8841672	0.2681935	16	0.9794845
ENSG00000169629	2	RGPD8	113127669	rs145713961	2	113117451	G	T	0.168986	0.00510244	0.0109226	0.640395	-0.961868	0.103406	1.38E-20	-0.0053047	0.0113699	0.6408167	0.5822171	20	0.93476849
ENSG00000125630	2	POLR1B	113299492	rs3961914	2	113317981	T	C	0.0775348	0.00441407	0.0173099	0.798721	1.09169	0.127168	9.11E-18	0.00404334	0.0158631	0.7988079	0.4834953	11	0.95044568
ENSG00000237753	2	AC079922.3	113399409	rs11123144	2	113403662	C	T	0.831014	-0.0142907	0.0119218	0.230641	-0.980149	0.113639	6.41E-18	0.0145801	0.0122802	0.2351126	0.9003121	20	0.74220346
ENSG00000189223	2	AC016683.6	113969099	rs4849181	2	113991970	G	A	0.392644	-0.009655	0.00814924	0.236108	-0.959291	0.129112	1.09E-13	0.0100647	0.00860239	0.2420049	0.475603	20	0.75158302
ENSG00000125618	2	PAX8	113973574	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.950778	0.126418	5.44E-14	0.00926353	0.00868621	0.2862142	0.5199515	20	0.78979107
ENSG00000184492	2	FOXD4L1	114256661	rs1191641	2	114179774	C	T	0.158052	-0.0109383	0.00980761	0.264727	-0.729482	0.109254	2.44E-11	0.0149946	0.0136309	0.2713119	0.7980627	7	0.77614389
ENSG00000225398	2	RP11-395L14.5	114299514	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	0.858243	0.0888751	4.60E-22	0.014462	0.0105328	0.169739	0.4028565	20	0.6779252
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.834812	0.0685406	3.98E-34	-0.0148679	0.0107877	0.1681333	0.3461816	20	0.6779252
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.909204	0.0835255	1.35E-27	0.0133039	0.00991865	0.179821	0.1691187	20	0.69422261
ENSG00000240356	2	RPL23AP7	114368079	rs73955042	2	114399145	A	G	0.371769	0.0153208	0.00902106	0.0894458	0.919194	0.0875838	9.11E-26	0.0166676	0.00994177	0.09363492	0.08841982	20	0.64379887
ENSG00000228857	2	AC104653.1	114588626	rs4241126	2	114603003	T	G	0.628231	0.0102744	0.00842121	0.222441	0.619545	0.0920129	1.66E-11	0.0165838	0.0138139	0.2299402	0.1531728	12	0.73598765
ENSG00000144118	2	RALB	120997640	rs3931840	2	121041347	C	A	0.707753	0.0161671	0.00822578	0.0493662	-0.280949	0.0504089	2.50E-08	-0.0575446	0.0310457	0.06380441	0.05408046	9	0.61339258
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.36763	0.101139	1.16E-41	-0.0080953	0.00667227	0.2250235	0.9565051	20	0.73598765
ENSG00000144231	2	POLR2D	128603840	rs3755305	2	128618446	C	T	0.33002	-0.0091302	0.00836023	0.274789	-0.536118	0.0930516	8.34E-09	0.0170302	0.0158717	0.2832732	0.4448479	9	0.78607317
ENSG00000225449	2	AC079776.7	130724165	rs1922633	2	130701189	A	G	0.702783	-0.014061	0.00827921	0.0894417	0.505331	0.070663	8.60E-13	-0.0278253	0.0168394	0.09845481	0.5519834	5	0.64481993
ENSG00000180178	2	AC018865.8	130748029	rs72988367	2	131453497	G	C	0.318091	-0.0183694	0.0107002	0.086028	0.858603	0.102076	4.05E-17	-0.0213945	0.0127192	0.09255751	0.01892052	18	0.64379887
ENSG00000152076	2	CCDC74B	130896860	rs34080706	2	130902549	T	C	0.341948	-0.0169818	0.00829699	0.0406837	-0.475861	0.0752528	2.56E-10	0.0356865	0.0183263	0.05150117	0.9198528	7	0.59174573
ENSG00000236595	2	MED15P5	131009141	rs11679332	2	131016207	C	T	0.440358	-0.0170983	0.00810044	0.0347912	0.717874	0.0921525	6.70E-15	-0.023818	0.0116908	0.04161774	0.2305356	18	0.52975356
ENSG00000224425	2	AC073869.2	132109787	rs2313724	2	132096409	G	A	0.884692	-0.0122561	0.0116775	0.293927	0.853915	0.123056	3.94E-12	-0.0143528	0.0138308	0.2993885	0.9315853	20	0.80544615
ENSG00000233087	2	AC073869.1	132118066	rs77396214	2	131961262	A	G	0.124254	0.0159846	0.0129715	0.217844	-0.467775	0.0833599	2.01E-08	-0.0341716	0.028391	0.2287417	0.9210009	7	0.73598765
ENSG00000273073	2	RP11-109E12.1	132219394	rs6722714	2	132231771	C	T	0.0924453	0.0258102	0.0171846	0.133113	1.20416	0.165643	3.61E-13	0.0214342	0.0145724	0.1413254	0.9216999	11	0.66434762
ENSG00000152117	2	AC093838.4	132250386	rs374293949	2	132260297	A	G	0.194831	-0.0095517	0.00918408	0.298327	-0.922458	0.0786383	8.90E-32	0.0103546	0.00999515	0.3002188	0.9985409	20	0.80544615
ENSG00000235615	2	AJ239322.1	132722304	rs74193869	2	132785483	C	A	0.369781	0.0144419	0.00883799	0.102245	0.816763	0.0962354	2.12E-17	0.0176819	0.0110195	0.1085818	0.8471528	9	0.64481993
ENSG00000236485	2	RP1-156L9.1	132741510	rs12995303	2	132789600	T	G	0.713718	0.0149562	0.00852754	0.0794511	0.8222	0.0978605	4.40E-17	0.0181905	0.0105952	0.08600445	0.6951959	9	0.64379887
ENSG00000227745	2	AC098826.5	132890429	rs62165005	2	133013771	G	T	0.0506958	-0.0081913	0.02055	0.690184	-1.2723	0.186872	9.87E-12	0.00643821	0.0161795	0.6906866	0.9999052	12	0.94651419
ENSG00000163046	2	ANKRD30BL	132905164	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.3885	0.165845	5.65E-17	0.00613036	0.0148351	0.6794349	0.9980193	20	0.94554211
ENSG00000080345	2	RIF1	152266397	rs2444256	2	152280365	A	G	0.356859	0.00974642	0.00838182	0.244909	-0.348769	0.0560823	5.01E-10	-0.0279452	0.0244491	0.2530403	0.2403317	11	0.76442105
ENSG00000196151	2	WDSUB1	160092304	rs62172692	2	160146120	G	A	0.351889	0.0123386	0.00819881	0.132345	-0.663788	0.0793884	6.20E-17	-0.0185882	0.01255	0.138573	0.6335544	20	0.66434762
ENSG00000054219	2	LY75	160628362	rs72957586	2	160762687	A	G	0.537773	0.0071658	0.00829354	0.387576	0.480377	0.0774676	5.61E-10	0.014917	0.0174314	0.3921334	0.02708102	17	0.86188326
ENSG00000138399	2	FASTKD1	170386259	rs112523043	2	170426136	A	G	0.100398	-0.0079583	0.0119881	0.506791	0.569839	0.098615	7.54E-09	-0.0139658	0.0211761	0.5095697	0.4096014	7	0.88426028
ENSG00000144362	2	PHOSPHO2	170550975	rs13009840	2	170569672	A	C	0.28827	-0.0348078	0.00956279	0.00027272	-0.608921	0.0904621	1.68E-11	0.0571631	0.0178535	0.00136582	0.9440519	20	0.2331573
ENSG00000222033	2	AC007405.2	171568961	rs10930438	2	171606871	G	A	0.295229	-0.0066199	0.00869141	0.446261	0.609578	0.090339	1.50E-11	-0.0108598	0.0143486	0.4491362	0.5713761	7	0.87660683
ENSG00000204335	2	SP5	171571861	rs953680	2	171643177	G	A	0.28827	-0.0061697	0.00875198	0.480843	0.483325	0.0873169	3.11E-08	-0.0127651	0.0182541	0.4843648	0.644316	5	0.88426028
ENSG00000239467	2	AC007405.6	171627623	rs13014069	2	171658382	C	T	0.379722	-0.018812	0.00844866	0.0259723	-0.413702	0.0754145	4.12E-08	0.0454723	0.0220403	0.0390985	0.00832485	6	0.51086981
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs76443145	2	173600603	A	C	0.16998	0.0137168	0.0096749	0.156257	0.583384	0.0802689	3.65E-13	0.0235125	0.0168967	0.1640611	0.1363703	9	0.67326138
ENSG00000272551	2	RP11-324L17.1	177476165	rs56155737	2	177493377	A	G	0.0815109	0.0114223	0.0171758	0.506037	1.1664	0.162607	7.33E-13	0.00979278	0.0147886	0.5078538	0.3896837	3	0.88426028
ENSG00000163364	2	AC017048.3	177494317	rs56155737	2	177493377	A	G	0.0815109	0.0114223	0.0171758	0.506037	1.31979	0.154956	1.63E-17	0.00865463	0.0130536	0.5073274	0.4499322	4	0.88426028
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.1472	0.0965161	1.40E-32	0.0100666	0.0071993	0.1620307	0.233039	20	0.67326138
ENSG00000259915	2	RP11-410E4.1	187219299	rs4667085	2	187256908	A	T	0.698807	-0.0096153	0.00827758	0.245393	-0.518383	0.0939126	3.39E-08	0.0185487	0.0163178	0.2556585	0.7014512	13	0.76892412
ENSG00000138381	2	ASNSD1	190526111	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	0.524061	0.058816	5.10E-19	0.0387018	0.017334	0.02556833	0.02495512	17	0.47366505
ENSG00000273240	2	RP11-455J20.3	190628585	rs1234834	2	190676895	C	T	0.270378	-0.0191581	0.00877951	0.0290998	-0.774803	0.092737	6.55E-17	0.0247264	0.0117114	0.03474544	0.08912167	20	0.49917972
ENSG00000128699	2	ORMDL1	190635049	rs2017410	2	190699958	A	T	0.248509	-0.0226521	0.00890981	0.0110101	0.501395	0.0774587	9.60E-11	-0.0451782	0.0190915	0.01796214	0.1521755	15	0.45306928
ENSG00000198130	2	HIBCH	191054461	rs6434387	2	191205969	T	C	0.60338	-0.0101288	0.00831394	0.223114	0.476098	0.0543155	1.86E-18	-0.0212746	0.0176305	0.2275509	0.07569759	13	0.73598765
ENSG00000151689	2	INPP1	191208196	rs3791813	2	191218371	G	A	0.213718	-0.0069866	0.0115463	0.54512	0.517201	0.0768599	1.71E-11	-0.0135084	0.0224147	0.546736	0.00075821	16	0.90344232
ENSG00000226124	2	FTCDNL1	200625267	rs13008446	2	200628500	A	G	0.66004	0.00646253	0.00948012	0.495433	-0.689074	0.0956883	5.97E-13	-0.0093786	0.0138193	0.497354	0.01653276	12	0.88426028
ENSG00000240344	2	PPIL3	201735630	rs7559150	2	201754063	C	T	0.263419	0.00811619	0.00936911	0.386341	-1.15453	0.101848	8.72E-30	-0.0070299	0.00813875	0.3877237	0.7795226	20	0.86143514
ENSG00000064012	2	CASP8	202098166	rs2349070	2	202130308	C	A	0.72664	-0.0022335	0.00877383	0.799061	-0.854882	0.0914814	9.20E-21	0.00261263	0.010267	0.7991338	0.5258679	20	0.95044568
ENSG00000155749	2	ALS2CR12	202152994	rs7560328	2	202164837	C	A	0.614314	-0.000447	0.00827166	0.956908	-0.637349	0.0862401	1.46E-13	0.00070127	0.0129786	0.9569089	0.4264763	14	0.99296872
ENSG00000023228	2	NDUFS1	206979541	rs7558619	2	206993437	A	T	0.477137	-0.0009631	0.00806414	0.904934	-0.289988	0.0501643	7.44E-09	0.00332119	0.0278145	0.9049545	0.6046368	5	0.97987891
ENSG00000138400	2	MDH1B	207602487	rs6729613	2	207614820	T	C	0.242545	0.00021222	0.00894692	0.981076	0.749758	0.0809285	1.96E-20	0.00028305	0.0119331	0.9810765	0.6283412	20	0.99593757
ENSG00000138363	2	ATIC	216176540	rs28366034	2	216176780	T	C	0.140159	0.009994	0.0116167	0.389615	0.760625	0.111346	8.42E-12	0.0131392	0.0153932	0.3933429	0.2586562	7	0.86188326
ENSG00000079246	2	XRCC5	216972187	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	-1.27103	0.164089	9.48E-15	0.00573477	0.0158721	0.7178661	0.9129315	6	0.94727701

ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	0.849053	0.1246	9.48E-12	-0.0085849	0.023768	0.7179519	0.9528342	6	0.94727701
ENSG00000188282	2	RUFY4	218899683	rs12989035	2	218917004	C	T	0.45328	0.008039	0.00858808	0.349239	-0.477566	0.0860509	2.86E-08	-0.0168333	0.018237	0.3559928	0.8579009	9	0.8429066
ENSG00000261338	2	RP11-378A13.1	219120042	rs12999734	2	219121528	G	A	0.587475	-0.0025925	0.00858517	0.762669	0.829584	0.0711242	1.95E-31	-0.0031251	0.0103522	0.7627453	0.2458222	20	0.94873228
ENSG00000182698	2	RESP18	220192131	rs35083292	2	220181066	A	T	0.290258	0.0108715	0.0104904	0.30005	-0.921315	0.0930847	4.26E-23	-0.0118	0.0114486	0.3026843	0.3185699	15	0.80715034
ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.846499	0.111622	3.36E-14	0.00834717	0.0104974	0.4265165	0.6820753	6	0.8760777
ENSG00000168958	2	MFF	228189867	rs4673192	2	228236131	G	A	0.16501	-0.0023126	0.0103284	0.82283	-0.435208	0.0781984	2.61E-08	0.00531378	0.0237513	0.8229706	0.4195416	4	0.95542705
ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-1.13419	0.173414	6.14E-11	-0.0007653	0.0150648	0.959485	0.7748019	3	0.99296872
ENSG00000135898	2	GPR55	231772033	rs11889992	2	231769071	G	A	0.316103	-0.0010761	0.00838969	0.89794	-0.535453	0.0946047	1.51E-08	0.0020097	0.0156724	0.8979657	0.4260193	9	0.97987891
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-0.97762	0.123311	2.23E-15	-0.0131067	0.00944106	0.1650551	0.08190131	6	0.67326138
ENSG00000237412	2	PRSS56	233385173	rs2741297	2	233387007	G	A	0.672962	0.00849116	0.00936926	0.364788	-0.598338	0.0945034	2.43E-10	-0.0141912	0.0158184	0.3696472	0.3853442	13	0.84538623
ENSG00000182600	2	C2orf82	233721980	rs2250665	2	233752639	T	A	0.628231	-0.0137118	0.00879878	0.119145	0.633261	0.0881776	6.89E-13	-0.0216527	0.0142178	0.1277755	0.1414179	6	0.65842282
ENSG00000132330	2	SCLY	238969530	rs4663275	2	238893852	C	T	0.782306	0.0091806	0.0107653	0.393772	-0.538576	0.0909669	3.21E-09	-0.0170461	0.0201947	0.3986223	0.07073776	10	0.86712436
ENSG00000144485	2	HES6	239146908	rs13428699	2	239144237	G	A	0.33499	-0.0077348	0.00866063	0.371804	0.441996	0.0731725	1.54E-09	-0.0174997	0.0198074	0.3769686	0.9536357	7	0.85195767
ENSG00000146205	2	ANO7	242127924	rs111770284	2	242157087	T	C	0.168986	-0.0247231	0.011887	0.0375396	0.861217	0.114303	4.90E-14	-0.0287072	0.0143188	0.04497793	0.8284977	16	0.54778677
ENSG00000168385	2	2-Sep	242254515	rs115271170	2	242347614	T	C	0.0974155	0.00844605	0.0150171	0.573824	0.377262	0.0463511	3.98E-16	0.0223878	0.0399004	0.5747356	0.1657521	15	0.91214319
ENSG00000006607	2	FARP2	242295658	rs4675955	2	242389865	T	G	0.782306	-0.0025635	0.009459	0.786383	0.549817	0.0902413	1.11E-09	-0.0046624	0.0172209	0.7865887	0.1955946	9	0.95044568
ENSG00000180902	2	D2HGDH	242673994	rs71430384	2	242700052	C	T	0.512922	0.00789739	0.0081166	0.330557	-0.545328	0.0641562	1.90E-17	-0.0144819	0.0149811	0.3337042	0.79444	16	0.83103105
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.1037	0.0841764	2.82E-39	0.0159388	0.00840347	0.05786935	0.4285977	20	0.5969465
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	0.867402	0.0972847	4.83E-19	0.0168832	0.0103218	0.1019066	0.1250834	20	0.64481993
ENSG00000224318	3	CHL1-AS2	237441	rs76556748	3	238321	G	C	0.116302	0.0109572	0.0153396	0.475037	0.809625	0.133646	1.38E-09	0.0135337	0.0190778	0.4780802	0.0747971	4	0.88426028
ENSG00000144455	3	SUMF1	3742498	rs6762654	3	4405167	C	T	0.589463	-0.0040811	0.00814136	0.616172	-0.690834	0.0846639	3.36E-16	0.00590753	0.011807	0.6168364	0.3090597	7	0.92780325
ENSG00000134077	3	THUMPD3	9404526	rs1973243	3	9492276	C	T	0.154076	-0.0168991	0.0124828	0.175805	-0.491098	0.0836475	4.33E-09	0.0344109	0.0260851	0.1871109	0.5298103	7	0.70592061
ENSG00000163701	3	IL17RE	9944296	rs279588	3	9944937	T	G	0.550696	-0.0019231	0.00816443	0.813789	0.51579	0.0929099	2.83E-08	-0.0037284	0.0158432	0.813953	0.2376594	3	0.95331821
ENSG00000240288	3	GHRLOS	10327438	rs35681	3	10329377	C	T	0.539761	0.00454654	0.00810796	0.574967	0.641525	0.097007	3.76E-11	0.00708708	0.0126839	0.5763357	0.8776839	20	0.91214319
ENSG00000144559	3	TAMM41	11831916	rs2133063	3	11832773	C	G	0.478131	-0.0093066	0.00815275	0.253652	-0.446458	0.0792222	1.75E-08	0.0208453	0.0186318	0.2632249	0.05318555	12	0.77270625
ENSG00000075975	3	MKRN2	12598513	rs34741626	3	12590581	T	C	0.127237	0.00357557	0.0120403	0.766493	0.651824	0.105869	7.42E-10	0.00548548	0.0184932	0.7667551	0.2994215	8	0.94953271
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.723896	0.0846881	1.25E-17	0.00676383	0.0113553	0.5514047	0.9429909	8	0.90811475
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	1.06693	0.0829464	7.28E-38	-0.0005966	0.00781037	0.9391075	0.00020565	20	0.99087277
ENSG00000236411	3	NDUFAF4P3	37831412	rs2685080	3	37832386	C	T	0.137177	0.00403749	0.0122458	0.741624	0.923165	0.154999	2.59E-09	0.00437353	0.0132853	0.7420045	0.7564003	6	0.94727701
ENSG00000136059	3	VILL	38029550	rs9843506	3	38046023	C	A	0.188867	0.00502604	0.0110401	0.648927	-0.817805	0.0835555	1.27E-22	-0.0061458	0.0135143	0.6492809	0.4264655	9	0.93515218
ENSG00000157036	3	EXOG	38537618	rs13072731	3	38533335	C	A	0.611332	-0.0117206	0.00814751	0.150279	-0.454509	0.078503	7.05E-09	0.0257874	0.018471	0.1626842	0.6835589	8	0.67326138
ENSG00000168038	3	ULK4	41288090	rs9817510	3	41813108	T	C	0.189861	0.00548276	0.0100045	0.58367	1.08374	0.10705	4.34E-24	0.00505911	0.00924497	0.584222	0.3862362	7	0.91214319
ENSG00000230084	3	RP4-613B23.1	42643455	rs59914338	3	42670348	A	G	0.140159	0.00301925	0.0127018	0.812112	0.811189	0.104456	8.11E-15	0.00372201	0.0156656	0.8121981	0.4315574	15	0.95331821
ENSG00000181061	3	HIGD1A	42798669	rs73077238	3	42858666	C	T	0.214712	0.0276072	0.00915174	0.00255623	-0.535274	0.0638359	5.07E-17	-0.0515758	0.01817	0.0045325	0.6868171	5	0.28633186
ENSG00000144647	3	POMGNT2	43120724	rs2002182	3	43147538	G	T	0.466203	-0.0020601	0.00826638	0.803199	0.329913	0.0518319	1.95E-10	-0.0062443	0.0250754	0.8033464	0.2460926	9	0.95309829
ENSG00000144792	3	ZNF660	44619715	rs4682986	3	44651120	A	G	0.900596	0.00165807	0.0142662	0.907476	-0.598384	0.0964779	5.56E-10	-0.0027709	0.0238454	0.9074915	0.5158312	19	0.97987891
ENSG00000196653	3	ZNF502	44754135	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.580165	0.0967463	2.01E-09	-0.0462493	0.0184441	0.01215739	0.08878325	6	0.44186828
ENSG00000011376	3	LARS2	45429998	rs3821895	3	45587983	G	A	0.333002	-0.0074022	0.0096328	0.442229	-0.547288	0.0619436	9.99E-19	0.0135252	0.0176674	0.4439465	0.203667	20	0.8760777
ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.966404	0.107162	1.91E-19	-0.0219225	0.00933292	0.01882671	0.8016893	12	0.45306928
ENSG00000178038	3	ALS2CL	46710487	rs13071203	3	46733589	T	C	0.419483	-0.0030246	0.0081443	0.710354	0.35392	0.059373	2.51E-09	-0.0085461	0.0230563	0.7108889	0.937221	4	0.94727701
ENSG00000188086	3	PRSS45	46783582	rs57268847	3	46794745	T	A	0.149105	-0.0097795	0.0102912	0.341973	0.894212	0.133449	2.07E-11	-0.0109364	0.0116238	0.3467761	0.6335267	15	0.8363037
ENSG00000164048	3	ZNF589	48282590	rs11130163	3	48312658	C	T	0.327038	-0.0250208	0.00963862	0.00943452	0.711978	0.10431	8.76E-12	-0.0351427	0.0144838	0.01525203	0.2636903	10	0.44186828
ENSG00000232112	3	TMA7	48481667	rs9826247	3	48497145	G	A	0.536779	-0.0017528	0.00820979	0.830939	0.32897	0.0447008	1.85E-13	-0.0053281	0.0249665	0.8310089	0.06265672	14	0.95938008
ENSG00000213689	3	TREX1	48506445	rs11797	3	48508585	C	T	0.55666	-0.0041652	0.00825411	0.613827	0.542347	0.0718712	4.49E-14	-0.0076799	0.0152532	0.6146167	0.3369661	10	0.92780325
ENSG00000213672	3	NCKIPSD	48701364	rs12497850	3	48748989	T	G	0.656064	-0.028948	0.0084896	0.00065007	0.422807	0.0401326	5.94E-26	-0.0684662	0.0211046	0.0011781	0.00305885	20	0.23243814
ENSG00000145020	3	AMT	49454211	rs6769821	3	49244657	A	G	0.760437	-0.0245363	0.00988822	0.0130882	0.32865	0.0556311	3.47E-09	-0.0746578	0.0326337	0.02215177	0.2437073	10	0.45306928
ENSG00000173540	3	GMPPB	49754277	rs59684465	3	49874246	T	C	0.163022	0.0222843	0.0131544	0.0902547	0.627061	0.0974887	1.26E-10	0.0355377	0.0216932	0.1013816	0.01412259	5	0.64481993
ENSG00000004534	3	RBM6	49977440	rs2008877	3	50162291	G	T	0.493042	-0.0034167	0.0080868	0.672654	0.476336	0.0628244	3.40E-14	-0.007173	0.0170034	0.6731317	0.07305165	17	0.94324492
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.522728	0.0571931	6.26E-20	0.0231966	0.0158072	0.1422492	0.00267465	14	0.6666453
ENSG00000055955	3	ITIH4	52846991	rs7638524	3	52874861	A	G	0.265408	-0.038318	0.00915823	2.86E-05	0.796339	0.0941378	2.69E-17	-0.0481177	0.0128302	0.0001766	0.6935325	16	0.15959104
ENSG00000242142	3	SERBP1P3	53098299	rs1864367	3	53111704	C	T	0.597416	0.00306764	0.00816143	0.707014	0.810623	0.0724642	4.75E-29	0.0037843	0.0100738	0.7071709	1.95E-05	20	0.94727701
ENSG00000163933	3	RFT1	53122499	rs2564923	3	53103262	G	A	0.596421	0.00317631	0.00815771	0.697008	-0.584022	0.0850792	6.67E-12	-0.0054387	0.0139906	0.6974699	0.0043909	9	0.94727701
ENSG00000113812	3	ACTR8	53901093	rs6794006	3	53933458	A	T	0.374751	0.00328344	0.00855867	0.701245	-0.568677	0.0771409	1.68E-13	-0.0057738	0.0150705	0.7016303	0.03576689	11	0.94727701
ENSG00000180376	3	CCDC66	56591189	rs6791987	3	56579538	T	C	0.410537	-0.0065528	0.00807779	0.417241	-0.363721	0.0580851	3.80E-10	0.0180161	0.0223943	0.4211116	0.6460357	10	0.8760777
ENSG00000163686	3	ABHD6	58223233	rs36084657	3	58176779	A	T	0.0427435	0.00098245	0.0150897	0.948088	0.519696	0.0902723	8.56E-09	0.00189044	0.0290375	0.9480917	0.06272726	12	0.99296872
ENSG00000168291	3	PDHB	58413357	rs7430287	3	58364735	T	C	0.262425	0.00695597	0.00889196	0.434052	0.372078	0.0680142	4.49E-08	0.0186949	0.0241412	0.4386949	0.3058558	8	0.8760777
ENSG00000163634	3	THOC7	63819546	rs832190	3	63842629	T	C	0.60338	0.00819559	0.0083862	0.328435	0.285293	0.0487077	4.71E-09	0.0287269	0.0298014	0.3350731	0.9700748	12	0.83103105
ENSG00000144741	3	SLC25A26	66119285	rs146159281	3	66287056	A	G	0.341948	-0.0119615	0.00811514	0.140489	-0.715092	0.06546	8.84E-28	0.0167272	0.0114512	0.1440878	0.7359765	20	0.66790255
ENSG00000172986	3	GXYLT2	72937224	rs1108154	3	73024609	T	A	0.590457	-0.0032441	0.00858514	0.705521	0.484846	0.0797213	1.19E-09	-0.0066911	0.0177411	0.7060612	0.5018145	10	0.94727701
ENSG00000244026	3	FAM86DP	75470703	rs151208235	3	75400034	G	C	0.0457256	-0.0129437	0.0163504	0.428569	-1.44153	0.187487	1.49E-14	0.00897914	0.0114024	0.4310003	0.8771931	9	0.8760777
ENSG00000243422	3	RP11-413E6.1	75673837	rs6800356	3	75877902	C	G	0.682903	-0.0026983	0.00936568	0.773264	-0.732283	0.0998852	2.28E-13	0.00368482	0.0127996	0.773434	0.5424875	15	0.94953271
ENSG00000241622	3	RARRES2P1	75707685	rs11718425	3	75893995	C	T	0.532803	-0.0028967	0.0081401	0.72195	-0.56527	0.0976115	7.00E-09	0.00512444	0.0144275	0.7224515	0.2338446	9	0.94727701
ENSG00000227124	3	ZNF717	75758794	rs13069699	3	75818790	C	T	0.427435	-0.0101083	0.00808663	0.211299	-0.695238	0.103845	2.16E-11	0.0145393	0.0118325	0.2191589	0.5007068	20	0.7341265
ENSG00000239519	3	CADM2-AS1	86041333	rs13083257	3	86042815	C	G	0.412525	0.00281433	0.00827695	0.733841	0.666047	0.116618	1.12E-08	0.00422542	0.012449	0.734294	0.6036759	12	0.94727701
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.821001	0.0969805	2.55E-17	0.00557907	0.00987716	0.5721791	0.9075661	19	0.91214319
ENSG00000114021	3	NIT2	100053545	rs13082297	3	100071070	C	G	0.348907	-0.0066056	0.00854824	0.439676	-0.426088	0.0561433	3.22E-14	0.0155028	0.0201659	0.4420325	0.8493954	10	0.8760777
ENSG00000206535	3	LNP1	100120037	rs9290061	3	100181868	A	G	0.714712	0.00572294	0.00889285	0.51987	-0.354941	0.055255	1.33E-10	-0.0161236	0.0251799	0.5219525	0.7146134	6	0.88902293
ENSG00000244119	3	PDCL3P4	101431316	rs34883763	3	101419783	A	G	0.328032	-0.0062377	0.00837478	0.456378	0.523262	0.0707394	1.39E-13	-0.0119209	0.0160859	0.4586475	0.2005358	15	0.88154197
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.642417	0.101938	2.94E-10	-0.0128654	0.0127437	0.312711	0.9303648	6	0.81378166
ENSG00000243795	3	RP11-572M11.3	112861197	rs931699	3	112894382	G	C	0.120278	-0.0257003	0.0154094	0.0953498	-0.897768	0.150351	2.36E-09	0.0286269	0.0178211	0.1081975	0.04187885	11	0.64481993
ENSG00000173226	3	IQCB1	121488610	rs1141528	3	121507231	T	A	0.125249	-0.0116489	0.0125613	0.353737	1.03359	0.121618	1.92E-17	-0.0112703	0.0122252	0.3565849	0.9004219	20	0.8429066
ENSG00000082684	3	SEMA5B	122628041	rs11923426	3	122640406	C	A	0.802187	0.00910589	0.00914867	0.319579	-0.518009	0.0816255	2.21E-10	-0.0175786	0.0178771	0.3254581	0.6288961	6	0.82362657
ENSG00000171084	3	FAM86JP	125635463	rs4047922	3	125636595	G	A	0.168986	-0.0179363	0.0141974	0.206462	1.19362	0.10948	1.12E-27	-0.0150268	0.011974	0.2094955	0.1468233	20	0.73027318
ENSG00000189366	3	ALG1L	125648118	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.992858	0.0996081	2.11E-23	-0.0173471	0.00905218	0.05532118	0.6159421	20	0.5969465
ENSG00000241439	3	RP11-666A20.3	125677399	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.911445	0.0992949	4.34E-20	-0.0188966	0.00989334	0.05612925	0.4999797	20	0.5969465
ENSG00000114547	3	ROPN1B	125687987	rs1827493	3	125683030	A	C	0.55666	0.00917926	0.00809071	0.256567	-0.602033	0.0830657	4.24E-13	-0.0152471	0.0136026	0.2623335	0.4652001	20	0.77251343
ENSG00000070476	3	ZXDC	126156444	rs1799398	3	126200403	C	A	0.61829	0.00808649	0.00821274	0.324807	0.428054	0.0638008	1.96E-11	0.0188913	0.0193917	0.329961	0.2208203	9	0.83103105
ENSG00000261159	3	RP11-723O4.9	128578559	rs2933344	3	128658715	G	A	0.207753	-0.0084174	0.00969978	0.385506	0.812951	0.117963	5.52E-12	-0.0103542	0.0120258	0.3892398	0.5222382	9	0.86143514
ENSG00000231305	3	RP11-723O4.2	128580156	rs789217	3	128593201	A	G	0.186879	-0.0118479	0.0104691	0.257761	0.71585	0.117081	9.71E-10	-0.0165508	0.0148731	0.2657944	0.3590094	6	0.77289867
ENSG00000177646	3	ACAD9	128598439	rs62265307	3	128662441	T	C	0.0178926	0.00919199	0.0203637	0.651708	1.81132	0.24625	1.90E-13	0.00507475	0.0112636	0.6523187	0.9973374	14	0.93515218
ENSG00000270773	3	RP13-685P2.7	129064254	rs56973985	3	129084733	C	T	0.0725646	0.0125206	0.0145753	0.390323	1.12559	0.154461	3.16E-13	0.0111236	0.0130387	0.3935919	0.89227	6	0.86188326
ENSG00000163913	3	IFT122	129158968	rs2625951	3	129240437	T	C	0.158052	0.0215908	0.0155676	0.165469	-0.637101	0.080564	2.62E-15	-0.0338891	0.024808	0.1719212	0.535795	20	0.67980209
ENSG00000253540	3	FAM86HP	129817935	rs7616082	3	129820737	C	T	0.383698	-0.005894	0.0082162	0.473147	-0.486911	0.0876494	2.77E-08	0.0121049	0.0170142	0.4767996	0.02444699	4	0.88426028
ENSG00000249846	3	RP11-77P16.4	129831393	rs12233562	3	129845749	A	G	0.420477	-0.0108672	0.00828273	0.18951	0.670094	0.0921378	3.52E-13	-0.0162174	0.0125601	0.1966384	0.3632383	8	0.71320307
ENSG00000228252	3	COL6A4P2	129931666	rs59803194	3	129845429	A	G	0.454274	-0.0105424	0.0081021	0.193192	-0.723024	0.0883969	2.86E-16	0.014581	0.0113468	0.1987802	0.2639568	20	0.7153523
ENSG00000113971	3	NPHP3	132276986	rs66564593	3	132436967	G	A	0.21173	-0.001187	0.00997949	0.905317	-0.6522	0.0733659	6.13E-19	0.00182006	0.0153026	0.905325	0.9854878	8	0.97987891
ENSG00000273486	3	RP11-731C17.2	136556180	rs2060303	3	136577786	A	G	0.65507	-0.0009764	0.00867297	0.910362	0.525827	0.0914409	8.90E-09	-0.0018569	0.0164971	0.9103788	0.7554812	4	0.97987891
ENSG00000071794	3	HLTF	148747914	rs11715474	3	148801915	T	G	0.37674	0.00088297	0.00817299	0.913968	0.367118	0.0599825	9.33E-10	0.00240514	0.022266	0.9139811	0.0114123	6	0.97987891
ENSG00000114744	3	COMMD2	149456257	rs1851374	3	149475412	G	C	0.421471	0.0183294	0.0082927	0.0270844	0.404778	0.0625678	9.84E-11	0.0452826	0.0216497	0.03647428	0.488893	8	0.50611661
ENSG00000243321	3	snoU13	149795281	rs56198011	3	149797925	T	C	0.317097	0.0168637	0.00869025	0.0523142	-0.55654	0.0754604	1.64E-13	-0.030301	0.0161462	0.06056491	0.02942757	4	0.60047521
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	0.807854	0.0816314	4.32E-23	-0.0166788	0.0137141	0.2239174	0.6641351	12	0.73598765
ENSG00000243926	3	TIPARP-AS1	156389651	rs62277393	3	156430098	A	G	0.145129	0.011719	0.0118467	0.322557	-0.73831	0.131814	2.13E-08	-0.0158727	0.016294	0.3299846	0.5438788	3	0.83103105
ENSG00000244515	3	KRT18P34	156880452	rs55646487	3	156884634	G	A	0.255467	-0.0166153	0.0105981	0.116937	-0.636286	0.0918265	4.23E-12	0.0261129	0.0170772	0.1262366	0.1629968	9	0.65842282
ENSG00000241770	3	RP11-555M1.3	156881241	rs62278603	3	157093047	G	A	0.269384	-0.0190758	0.0102413	0.062513	-0.635946	0.102607	5.72E-10	0.0299959	0.0168156	0.07445273	0.1779173	8	0.61480596
ENSG00000079257	3	LXN	158363611	rs6786423	3	158450178	G	A	0.414513	0.0213479	0.00884499	0.0157976	0.651263	0.0923261	1.74E-12	0.0327792	0.0143543	0.0223959	0.283626	9	0.45306928
ENSG00000240207	3	RP11-379F4.4	158450052	rs61794821	3	158460936	G	A	0.220676	0.0197886	0.0103114	0.0549731	0.65518	0.0796256	1.90E-16	0.0302033	0.0161607	0.06163123	0.2127539	13	0.60354597
ENSG00000272247	3	RP11-379F4.9	158519046	rs2244996	3	158519446	C	T	0.72167	-0.0201126	0.00842173	0.0169321	-0.609299	0.106594	1.09E-08	0.0330094	0.0149799	0.02755362	0.7050027	3	0.47888085
ENSG00000206120	3	EGFEM1P	167967310	rs496741	3	168520843	A	G	0.403579	0.00392231	0.00849345	0.644221	-0.573158	0.0979319	4.84E-09	-0.0068433	0.0148647	0.6452484	0.7387808	13	0.93485806
ENSG00000239219	3	RP11-379K17.4	169657141	rs9836316	3	169684433	A	G	0.146123	-0.0031074	0.00984406	0.752258	0.837988	0.140889	2.72E-09	-0.0037082	0.0117638	0.7525955	0.7946977	7	0.94873228
ENSG00000241231	3	RP11-275H4.1	181138846	rs6443742	3	181160258	G	A	0.687873	0.0257017	0.00867556	0.00305105	0.930132	0.0907737	1.22E-24	0.0276323	0.00970925	0.00442752	0.1309417	20	0.28633186
ENSG00000240024	3	LINC00888	183165396	rs7652231	3	183165599	A	G	0.531809	-0.0073382	0.00829917	0.376581	0.336378	0.0536108	3.51E-10	-0.0218155	0.0249159	0.381268	0.7226892	6	0.85579268
ENSG00000233885	3	YEATS2-AS1	183524245	rs2255019	3	183534913	G	A	0.470179	0.00402835	0.0084074	0.631837	0.509049	0.0625989	4.23E-16	0.00791348	0.0165445	0.6324269	0.6401981	20	0.93051058
ENSG00000145198	3	VWA5B2	183948217	rs843352	3	183978846	A	G	0.222664	0.00802258	0.010495	0.444619	-0.63554	0.0939469	1.33E-11	-0.0126232	0.0166186	0.4475026	0.2660993	12	0.8760777
ENSG00000145194	3	ECE2	183967438	rs56172794	3	184001146	T	C	0.530815	0.00249554	0.00805989	0.756847	-0.464956	0.0618195	5.43E-14	-0.0053673	0.0173494	0.7570458	0.8529028	11	0.94873228
ENSG00000156931	3	VPS8	184529931	rs62286929	3	184524492	G	A	0.055666	0.00299175	0.0230759	0.896844	0.689024	0.101992	1.42E-11	0.00434201	0.0334969	0.8968636	0.4318278	20	0.97987891
ENSG00000225764	3	LEPREL1-AS1	189838753	rs529752	3	189865197	G	A	0.753479	-0.007634	0.00918532	0.405911	-0.683142	0.110668	6.71E-10	0.0111749	0.013567	0.4101221	0.00566458	7	0.87289202
ENSG00000188958	3	UTS2B	190984957	rs3214008	3	190995847	C	T	0.612326	-0.0082448	0.00826382	0.318428	-0.674971	0.111715	1.52E-09	0.012215	0.012409	0.3249363	0.03024205	6	0.82362657
ENSG00000230102	3	RP11-407B7.1	193723226	rs4687494	3	193728370	G	T	0.520875	0.0040165	0.00817629	0.623258	0.548486	0.0852659	1.25E-10	0.00732289	0.0149504	0.6242674	0.3227879	14	0.92817169
ENSG00000231770	3	TMEM44-AS1	194304740	rs7636054	3	194306240	C	T	0.191849	0.00083451	0.0105368	0.936874	0.574045	0.0901247	1.90E-10	0.00145373	0.0183568	0.9368791	0.5891259	4	0.99029499
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.518465	0.0594155	2.64E-18	0.0296695	0.0163833	0.07014665	0.2049196	13	0.61480596
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	1.00087	0.0942385	2.39E-26	0.00908091	0.00814764	0.2650455	0.2115794	20	0.77289867
ENSG00000271662	3	RP11-141C7.3	195377017	rs55716760	3	195564643	C	G	0.186879	-0.0190707	0.0121432	0.116303	-0.698623	0.117177	2.49E-09	0.0272976	0.0179745	0.1288428	0.02594973	20	0.65842282
ENSG00000229178	3	AC069513.4	195382436	rs6768928	3	195329888	G	A	0.328032	-0.0076577	0.00929046	0.409793	-0.833351	0.0975607	1.32E-17	0.00918907	0.0112001	0.4119623	0.9294295	20	0.87586381
ENSG00000215837	3	SDHAP2	195384967	rs79114865	3	195661441	A	C	0.16998	-0.004035	0.0118263	0.732963	-0.934859	0.131016	9.65E-13	0.00431613	0.0126648	0.7332566	0.5650024	20	0.94727701
ENSG00000176945	3	MUC20	195447753	rs11926771	3	195656731	A	C	0.187873	0.00929126	0.0099394	0.349896	0.804664	0.139661	8.33E-09	0.0115468	0.0125138	0.3561506	0.07212083	10	0.8429066
ENSG00000145113	3	MUC4	195473636	rs9823070	3	195737721	T	C	0.128231	0.0038987	0.0125491	0.756047	0.812981	0.132902	9.53E-10	0.00479556	0.0154558	0.7563513	0.3550105	8	0.94873228
ENSG00000185485	3	SDHAP1	195686619	rs2410787	3	195341647	G	T	0.671968	0.0112028	0.00859734	0.192555	0.545552	0.0931375	4.70E-09	0.0205348	0.0161442	0.2033871	0.2381275	6	0.72173156
ENSG00000163964	3	PIGX	196366646	rs4916543	3	196462949	T	C	0.228628	-0.0080248	0.0109728	0.464575	0.327239	0.0569511	9.14E-09	-0.0245226	0.033802	0.468158	0.2153131	5	0.88426028
ENSG00000119227	3	PIGZ	196673214	rs28498807	3	196679395	G	A	0.314115	-0.0064267	0.00934673	0.491713	0.568405	0.0618929	4.17E-20	-0.0113065	0.0164898	0.4929232	0.4219878	6	0.88426028
ENSG00000114473	3	IQCG	197615946	rs9834267	3	197686322	T	G	0.166004	-0.0117188	0.00970545	0.227261	0.658153	0.120186	4.35E-08	-0.0178056	0.0151007	0.2383493	0.6966063	19	0.74644947
ENSG00000250312	4	ZNF718	124386	rs6842197	4	159061	G	A	0.545726	0.0098175	0.00812377	0.226858	-0.941784	0.0809288	2.67E-31	-0.0104244	0.00867232	0.2293532	0.5979271	20	0.73598765
ENSG00000242686	4	RP11-1191J2.2	646639	rs9985747	4	657366	G	A	0.134195	-0.0050451	0.0110535	0.648084	-0.903608	0.101903	7.49E-19	0.00558328	0.0122488	0.6485179	0.3944065	20	0.93515218
ENSG00000169026	4	MFSD7	675618	rs28569875	4	647503	C	G	0.117296	0.00179428	0.011797	0.879111	0.882625	0.13223	2.47E-11	0.00203289	0.0133693	0.8791421	0.555956	20	0.97812135
ENSG00000159674	4	SPON2	1160720	rs3822017	4	1236312	T	C	0.435388	-0.0060526	0.00808216	0.453926	-0.478832	0.0863698	2.96E-08	0.0126404	0.0170322	0.4579995	0.2832297	7	0.88154197
ENSG00000163945	4	UVSSA	1341054	rs3796618	4	1349602	A	T	0.512922	-0.0046973	0.00815186	0.564466	-0.370678	0.0643498	8.39E-09	0.0126721	0.0221015	0.5664015	0.147179	11	0.91214319
ENSG00000179979	4	CRIPAK	1385340	rs115152027	4	1217078	G	C	0.0437376	-0.0211484	0.0243197	0.384518	2.22383	0.217325	1.41E-24	-0.0095099	0.0109754	0.386229	0.8757256	20	0.86105064
ENSG00000013810	4	TACC3	1723227	rs58012990	4	1763692	A	G	0.17495	0.00378479	0.0145231	0.794397	-0.742397	0.106394	3.00E-12	-0.0050981	0.0195761	0.7945373	0.6357393	13	0.95044568
ENSG00000125388	4	GRK4	2965335	rs2515938	4	2997982	T	C	0.348907	0.00799496	0.00828776	0.33471	-0.53272	0.0911284	5.04E-09	-0.0150078	0.0157678	0.3411992	0.8696931	4	0.83625593
ENSG00000013288	4	MAN2B2	6576902	rs7659958	4	6607830	C	T	0.183897	0.0109087	0.0111472	0.327777	-0.617414	0.0870764	1.34E-12	-0.0176684	0.0182258	0.3323381	0.2815585	5	0.83103105
ENSG00000155275	4	TRMT44	8437867	rs2631761	4	8498193	G	T	0.493042	0.00393786	0.00805457	0.624914	0.430359	0.0678681	2.28E-10	0.00915017	0.0187715	0.6259388	0.300353	13	0.92817169
ENSG00000205959	4	RP11-689P11.2	8483997	rs2631761	4	8498193	G	T	0.493042	0.00393786	0.00805457	0.624914	0.417933	0.0528205	2.53E-15	0.00942223	0.0193092	0.6255732	0.09882051	20	0.92817169
ENSG00000237765	4	FAM200B	15683285	rs3756247	4	15706466	C	T	0.287276	-0.0096413	0.00933546	0.301714	-0.409148	0.0570055	7.11E-13	0.0235644	0.0230518	0.3066688	0.6227418	9	0.80782048
ENSG00000249506	4	ZEB2P1	16362309	rs7693598	4	16411631	C	A	0.26839	-0.0084888	0.00899422	0.34527	1.21657	0.116552	1.66E-25	-0.0069776	0.00742326	0.3472333	0.5322486	20	0.8363037
ENSG00000163138	4	PACRGL	20697905	rs11737318	4	20663095	A	G	0.0785288	-0.0014564	0.0151491	0.923413	-1.03356	0.131855	4.56E-15	0.00140907	0.0146583	0.923419	0.3402008	20	0.98275205
ENSG00000249948	4	GBA3	22694537	rs28578809	4	22798608	G	A	0.167992	-0.0066901	0.0120066	0.577392	0.944031	0.124245	3.00E-14	-0.0070867	0.0127526	0.5784122	0.3540965	9	0.91214319
ENSG00000053900	4	ANAPC4	25378835	rs2168972	4	25417651	T	C	0.545726	0.0121741	0.00825949	0.140495	-0.467175	0.0707889	4.12E-11	-0.026059	0.0181152	0.1502888	0.3331463	20	0.67014512
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.762371	0.0868399	1.65E-18	0.00295108	0.0107311	0.7833137	0.3634612	20	0.94953271
ENSG00000251129	4	RP11-734I18.1	31999019	rs6553983	4	32005439	T	C	0.798211	4.45E-05	0.00915677	0.996121	-1.04043	0.10653	1.57E-22	-4.28E-05	0.00880095	0.996121	0.6691194	19	0.99820764
ENSG00000169299	4	PGM2	37828255	rs2059483	4	37828186	T	C	0.593439	0.00105421	0.00820681	0.897788	-0.434447	0.0673036	1.08E-10	-0.0024266	0.018894	0.8978086	0.9234819	11	0.97987891
ENSG00000231160	4	RP11-617D20.1	38614322	rs337626	4	38631477	C	T	0.126243	-0.01627	0.0116587	0.16286	-0.777396	0.106658	3.13E-13	0.0209288	0.0152695	0.170491	0.8042967	4	0.67907961
ENSG00000134962	4	KLB	39408473	rs62307974	4	39461744	G	A	0.202783	-0.0077829	0.00969955	0.422325	-0.952149	0.111583	1.42E-17	0.00817398	0.0102319	0.4243665	0.7203473	20	0.8760777
ENSG00000163682	4	RPL9	39455744	rs2687958	4	39459724	C	T	0.67992	0.00023959	0.00844861	0.977376	-0.621494	0.0528976	7.15E-32	-0.0003855	0.0135941	0.9773759	0.7261685	20	0.99593757
ENSG00000121897	4	LIAS	39460620	rs2687969	4	39452499	C	T	0.67992	0.00028721	0.00844962	0.972885	0.538152	0.0917043	4.40E-09	0.00053369	0.0157014	0.9728852	0.3250096	7	0.99535579
ENSG00000251350	4	RP11-328N19.1	44018878	rs7657060	4	44038516	T	G	0.178926	2.52E-05	0.010095	0.998009	0.618866	0.107983	9.97E-09	4.07E-05	0.0163121	0.9980091	0.2653486	6	0.99902179
ENSG00000177752	4	YIPF7	44624086	rs6813944	4	44635157	A	G	0.235586	-0.0200311	0.0108146	0.0639926	0.778698	0.141644	3.85E-08	-0.0257238	0.0146551	0.07921136	0.2649531	10	0.62558233
ENSG00000151806	4	GUF1	44680444	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	-0.782579	0.0778275	8.71E-24	0.0259768	0.0137478	0.05882208	0.3384841	16	0.5969465
ENSG00000163281	4	GNPDA2	44684217	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	0.458617	0.0705835	8.17E-11	-0.0443265	0.02403	0.06509053	0.7111482	7	0.61480596
ENSG00000170448	4	NFXL1	47849257	rs6826122	4	47916346	G	C	0.977137	-0.0956639	0.0387364	0.013526	-1.46332	0.22758	1.28E-10	0.0653746	0.028357	0.02114339	0.4124414	7	0.45306928
ENSG00000198515	4	CNGA1	47937994	rs321645	4	48008920	G	A	0.239563	0.00337932	0.0108055	0.754479	0.663172	0.112386	3.62E-09	0.00509569	0.0163165	0.7548107	0.9369458	9	0.94873228
ENSG00000269949	4	RP11-738E22.3	57827093	rs13113032	4	57827119	A	T	0.286282	0.00260725	0.00979536	0.790107	-0.671051	0.122107	3.89E-08	-0.0038853	0.0146142	0.7903468	0.1044689	17	0.95044568
ENSG00000163453	4	IGFBP7	57896939	rs4242004	4	57953278	A	C	0.645129	0.00499866	0.0082558	0.544865	0.439316	0.0587615	7.65E-14	0.0113783	0.0188539	0.5461783	0.2902147	14	0.90344232
ENSG00000138744	4	NAAA	76831809	rs6816425	4	76983992	C	T	0.372763	0.0101757	0.00831784	0.221196	-0.662203	0.0827235	1.19E-15	-0.0153664	0.0127067	0.2265407	0.09101196	14	0.73598765

ENSG00000138750	4	NUP54	77035812	rs894246	4	77079502	T	G	0.130219	-0.0060089	0.012093	0.619267	0.586123	0.0939112	4.34E-10	-0.010252	0.0206975	0.6203712	0.4452205	19	0.92780325
ENSG00000189157	4	FAM47E	77135193	rs4859653	4	77188613	C	T	0.642147	-0.0061837	0.00847984	0.465866	-0.564847	0.0682586	1.28E-16	0.0109475	0.0150708	0.467589	0.4155052	18	0.88426028
ENSG00000138758	4	11-Sep	77870856	rs7677255	4	77922864	C	T	0.626243	0.00721747	0.00818197	0.377712	0.428862	0.0561359	2.18E-14	0.0168294	0.0192051	0.3808687	0.6757554	14	0.85579268
ENSG00000251022	4	THAP9-AS1	83814162	rs6858248	4	83910874	A	G	0.241551	-0.0212546	0.009925	0.0322322	-0.580085	0.0664771	2.64E-18	0.0366405	0.0176173	0.03754345	0.4757902	17	0.50611661
ENSG00000145287	4	PLAC8	84011201	rs2903918	4	84157443	G	C	0.306163	0.0102418	0.00926714	0.269083	-0.441825	0.0810163	4.94E-08	-0.0231807	0.021401	0.2787392	0.6934465	3	0.7820888
ENSG00000273389	4	RP13-514E23.2	86921480	rs12503695	4	86925463	C	G	0.224652	0.0080106	0.00945897	0.397063	0.928925	0.104139	4.66E-19	0.00862352	0.0102285	0.3991795	0.6714661	7	0.86738013
ENSG00000109339	4	MAPK10	86936276	rs2282597	4	86952946	C	T	0.240557	0.00683136	0.0108338	0.528327	0.175552	0.0318186	3.44E-08	0.0389136	0.0621145	0.530999	0.6208585	4	0.89543678
ENSG00000170509	4	HSD17B13	88224941	rs28419230	4	88196319	T	G	0.252485	-0.0062936	0.00956063	0.510358	0.79535	0.11343	2.35E-12	-0.007913	0.0120735	0.5122116	0.7460168	4	0.88648552
ENSG00000152583	4	SPARCL1	88394487	rs28521138	4	88446666	A	T	0.187873	0.00927581	0.0120714	0.442241	-0.298761	0.0519518	8.89E-09	-0.0310476	0.040764	0.4462732	0.5913488	11	0.8760777
ENSG00000029559	4	IBSP	88720733	rs1054629	4	88732918	T	A	0.329026	0.00845425	0.00848743	0.319206	0.637067	0.0949685	1.97E-11	0.0132706	0.0134687	0.3244828	0.5490176	13	0.82362657
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	0.978313	0.0894707	7.89E-28	-0.0139049	0.00846301	0.1003797	0.2767387	19	0.64481993
ENSG00000138722	4	MMRN1	90800683	rs76707913	4	90835226	C	T	0.0377734	0.00933161	0.0240819	0.69839	1.79117	0.256397	2.83E-12	0.00520978	0.0134655	0.6988302	0.9584135	13	0.94727701
ENSG00000138777	4	PPA2	106290234	rs1994636	4	106362011	G	A	0.590457	-0.0078513	0.00806384	0.330232	0.38954	0.0658961	3.39E-09	-0.0201554	0.0209798	0.3367016	0.5555931	9	0.83103105
ENSG00000123739	4	PLA2G12A	110631145	rs9995011	4	110652734	C	A	0.530815	0.0071943	0.00808752	0.373704	0.353677	0.0583675	1.37E-09	0.0203414	0.0231121	0.378793	0.8039731	8	0.85314907
ENSG00000109534	4	GAR1	110736666	rs10365	4	110745854	G	C	0.647117	-0.0110425	0.00819385	0.177768	0.715103	0.0904023	2.57E-15	-0.0154418	0.0116234	0.1840082	0.01554807	17	0.69741952
ENSG00000260404	4	RP11-384K6.6	119512928	rs9761692	4	119567203	G	A	0.326044	-0.0076777	0.00842636	0.362215	-0.449962	0.067903	3.44E-11	0.017063	0.018903	0.366706	0.00250074	11	0.84538623
ENSG00000250412	4	KLHL2P1	120255484	rs4833624	4	120585497	T	C	0.308151	-0.0090208	0.00890455	0.311033	0.678317	0.1023	3.34E-11	-0.0132988	0.0132797	0.3166163	0.8205546	17	0.81774291
ENSG00000249244	4	RP11-548H18.2	120312986	rs10028669	4	120295197	T	C	0.2833	-0.0137511	0.00931734	0.139982	0.816032	0.08415	3.09E-22	-0.0168512	0.0115493	0.1445486	0.8171715	12	0.66790255
ENSG00000245958	4	RP11-33B1.1	120375946	rs10434028	4	120294464	G	T	0.323062	-0.0146746	0.00870569	0.091865	-0.840093	0.0843172	2.20E-23	0.0174678	0.01051	0.09650963	0.9715489	10	0.64481993
ENSG00000164111	4	ANXA5	122589110	rs13109053	4	122599447	A	G	0.312127	0.00512921	0.00900707	0.56904	-0.428518	0.0463425	2.31E-20	-0.0119696	0.0210589	0.5697715	0.7611377	12	0.91214319
ENSG00000151470	4	C4orf33	130014472	rs530686	4	130039884	G	A	0.590457	-0.0057054	0.00826942	0.490232	-0.446944	0.0717917	4.80E-10	0.0127654	0.0186154	0.4928762	0.6187343	11	0.88426028
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.906662	0.0969448	8.57E-21	-0.0103852	0.0157262	0.5090156	0.3754357	9	0.88426028
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.911844	0.127347	8.05E-13	-0.0103261	0.0156644	0.5097596	0.2643453	7	0.88426028
ENSG00000251600	4	RP11-673E1.1	144833484	rs4054534	4	144891280	T	A	0.657058	-0.0034309	0.0085734	0.689022	0.814667	0.0951319	1.09E-17	-0.0042115	0.0105353	0.689343	0.9936164	10	0.94651419
ENSG00000185149	4	NPY2R	156129781	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	0.841691	0.146058	8.28E-09	0.0291839	0.0180149	0.1052351	0.08105643	4	0.64481993
ENSG00000248429	4	RP11-597D13.9	159091904	rs4691461	4	159059445	C	T	0.849901	-0.0142436	0.0111079	0.19974	0.845316	0.108914	8.41E-15	-0.01685	0.0133187	0.2058197	0.7359456	7	0.72385431
ENSG00000171503	4	ETFDH	159593277	rs4132807	4	159563147	G	A	0.128231	-0.0189018	0.0153353	0.217738	-0.499366	0.0854274	5.05E-09	0.0378516	0.0313848	0.2277988	0.8420819	3	0.73598765
ENSG00000271817	4	U3	159621843	rs6536365	4	159632293	A	C	0.289264	-0.0088001	0.0091931	0.338438	0.665461	0.113737	4.89E-09	-0.0132241	0.0139983	0.3448148	0.2604923	5	0.8363037
ENSG00000273449	4	RP11-218F10.3	164450923	rs2044052	4	164457232	C	T	0.56163	-0.0055921	0.00825377	0.49808	-0.692069	0.101595	9.62E-12	0.00808019	0.0119851	0.5001916	0.7984523	14	0.88426028
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.438205	0.0518125	2.73E-17	0.00042651	0.0186907	0.9817945	0.6166264	9	0.99593757
ENSG00000248174	4	RP11-148L24.1	175015811	rs75632645	4	175040059	C	T	0.105368	0.017567	0.0137513	0.201435	1.36411	0.137711	3.94E-23	0.012878	0.0101643	0.2051602	0.8608637	17	0.72293997
ENSG00000249106	4	RP11-806K15.1	176711458	rs13137352	4	176753162	A	G	0.930417	-0.0528971	0.0140068	0.00015903	0.924645	0.160675	8.68E-09	-0.057208	0.0181189	0.001592	0.8526961	5	0.24161586
ENSG00000164122	4	ASB5	177134824	rs13130595	4	177147591	T	C	0.209742	-0.0076945	0.0104191	0.46021	0.755151	0.135829	2.70E-08	-0.0101893	0.0139186	0.464127	0.7142178	5	0.88426028
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.629567	0.0755144	7.62E-17	-0.0080185	0.0131497	0.5420032	0.4411088	6	0.8990588
ENSG00000271538	4	RP11-326I11.4	185427614	rs13111483	4	185458566	G	A	0.662028	-0.0038437	0.00823148	0.640531	-0.449198	0.0733485	9.12E-10	0.00855689	0.018378	0.6414985	0.5902031	4	0.93476849
ENSG00000151725	4	MLF1IP	185615772	rs876838	4	185655487	T	G	0.677932	0.00515587	0.0086253	0.549999	0.523343	0.0917825	1.18E-08	0.0098518	0.0165715	0.5521755	0.3790442	3	0.90826759
ENSG00000109771	4	LRP2BP	186285032	rs112017996	4	186310213	C	T	0.100398	0.0008057	0.0163103	0.960602	-0.738577	0.128664	9.45E-09	-0.0010909	0.0220842	0.9606034	0.1390009	5	0.99296872
ENSG00000109775	4	UFSP2	186320694	rs34368517	4	186368110	G	A	0.717694	-0.0156804	0.00965751	0.10445	0.8241	0.0776398	2.55E-26	-0.0190273	0.0118552	0.1084983	0.6466837	20	0.64481993
ENSG00000168491	4	CCDC110	186366336	rs4241800	4	186401223	T	G	0.822068	-0.0095463	0.00972585	0.326328	-0.390285	0.0712975	4.40E-08	0.0244597	0.0253173	0.3339803	0.9925951	4	0.83103105
ENSG00000109794	4	FAM149A	187025573	rs4241814	4	187093018	T	G	0.599404	-0.0040934	0.0080608	0.611581	0.509025	0.0529775	7.37E-22	-0.0080417	0.0158579	0.6120774	0.3948773	20	0.92780325
ENSG00000145476	4	CYP4V2	187112674	rs3736455	4	187122319	G	T	0.671968	-0.0097795	0.0086834	0.26007	-0.305202	0.0524053	5.75E-09	0.0320426	0.0289784	0.2688389	0.1400633	3	0.77433453
ENSG00000164344	4	KLKB1	187130133	rs62350518	4	187118358	T	C	0.176938	0.00884754	0.0124287	0.476551	0.640663	0.104802	9.77E-10	0.01381	0.0195308	0.4795133	0.755226	6	0.88426028
ENSG00000245685	4	AF146191.4	190701490	rs13121183	4	190890245	C	T	0.322068	-0.0162079	0.008738	0.0636136	0.803792	0.128244	3.66E-10	-0.0201643	0.011337	0.07530168	0.6870345	20	0.61606353
ENSG00000164366	5	CCDC127	196986	rs13474	5	205077	C	G	0.148111	0.0123714	0.010352	0.232058	0.598507	0.0940023	1.93E-10	0.0206704	0.0175984	0.24017	0.7974591	6	0.75060943
ENSG00000221990	5	C5orf55	441645	rs890985	5	479746	G	C	0.798211	0.00011536	0.011362	0.991899	0.525952	0.0787743	2.44E-11	0.00021933	0.0216028	0.9918993	0.0411798	20	0.99593757
ENSG00000180104	5	EXOC3	443273	rs67665078	5	428754	A	G	0.485089	0.0224381	0.00809975	0.00560183	-0.805134	0.0865068	1.31E-20	-0.0278688	0.0104963	0.00792834	0.3164821	20	0.37907695
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	1.0069	0.0918222	5.58E-28	0.0033263	0.00883224	0.7064645	0.2529637	20	0.94727701
ENSG00000066230	5	SLC9A3	473425	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.848455	0.0979837	4.75E-18	0.00394747	0.0104854	0.7065641	0.1583084	20	0.94727701
ENSG00000171368	5	TPPP	660883	rs9800013	5	542023	G	A	0.214712	0.00950774	0.0110871	0.391142	0.30936	0.0532034	6.08E-09	0.0307336	0.0362265	0.3962302	0.7550701	20	0.86478118
ENSG00000145506	5	NKD2	1008944	rs56006100	5	1022326	A	G	0.463221	0.00426059	0.00816405	0.60176	-0.479422	0.0682949	2.22E-12	-0.0088869	0.0170759	0.6027598	0.6254956	20	0.92620334
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.23489	0.0869498	8.86E-46	0.00330226	0.00677872	0.6261513	0.7828121	20	0.92817169
ENSG00000250490	5	CTD-2324F15.2	6310554	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	0.530406	0.0827474	1.46E-10	0.00472791	0.0151983	0.7557394	0.1854078	7	0.94873228
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-0.881921	0.0798349	2.27E-28	-0.0006684	0.00922787	0.9422533	0.4770122	19	0.99087277
ENSG00000145545	5	SRD5A1	6633456	rs30436	5	6671309	A	G	0.583499	0.0132123	0.00824481	0.109044	0.220437	0.0403557	4.70E-08	0.0599369	0.0389784	0.1241239	0.9160539	11	0.65842282
ENSG00000247732	5	RP11-404K5.1	7290936	rs74684352	5	7296463	A	G	0.127237	0.00529193	0.0113744	0.641753	0.8513	0.130777	7.54E-11	0.00621629	0.0133953	0.6426009	0.3113463	15	0.93485806
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.562109	0.0784272	7.65E-13	-0.0085843	0.0145746	0.5558665	0.4846535	14	0.9101449
ENSG00000250786	5	SNHG18	9546312	rs59758866	5	9546372	G	C	0.300199	-0.0004098	0.0098573	0.966837	-0.597484	0.0697168	1.03E-17	0.00068591	0.0164982	0.9668375	0.1019321	10	0.99493047
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.86235	0.106148	4.51E-16	-0.0058915	0.0100206	0.5565721	0.9639883	12	0.91015994
ENSG00000271892	5	CTD-2228A4.1	17107469	rs1032763	5	17118930	T	C	0.357853	0.00254863	0.00889562	0.774492	0.583601	0.0774908	5.03E-14	0.00436708	0.0152537	0.7746508	0.7194791	15	0.94953271
ENSG00000248455	5	RP11-321E2.3	17404128	rs17626779	5	17404430	C	G	0.242545	0.00595186	0.0096271	0.536418	-0.487376	0.084143	6.95E-09	-0.012212	0.0198651	0.538721	0.6037503	5	0.8990588
ENSG00000183666	5	GUSBP1	21341942	rs34460356	5	21568641	A	G	0.139165	-0.0229456	0.0139647	0.100358	1.22531	0.161878	3.75E-14	-0.0187264	0.0116623	0.1083359	0.3496424	20	0.64481993
ENSG00000272130	5	RP11-360I2.1	21569864	rs75158803	5	21573069	G	A	0.140159	-0.0228409	0.0139964	0.102698	1.46402	0.153362	1.35E-21	-0.0156015	0.00969894	0.1077087	0.2783401	11	0.64481993
ENSG00000249572	5	CTD-2203K17.1	33424131	rs55810809	5	33405025	A	G	0.27833	0.0162804	0.00988039	0.0994031	-0.805892	0.132813	1.30E-09	-0.0202017	0.0127042	0.1117985	0.03724774	6	0.64481993
ENSG00000242110	5	AMACR	33986283	rs6875926	5	34012492	C	T	0.50497	-0.0140479	0.00810896	0.0832032	0.777827	0.0650831	6.39E-33	-0.0180604	0.0105341	0.08644173	0.6039361	20	0.64379887
ENSG00000152582	5	SPEF2	35617946	rs10067949	5	35705098	G	T	0.626243	0.00990603	0.00850478	0.244116	-0.373141	0.0536796	3.62E-12	-0.0265477	0.0231102	0.250661	0.6749243	19	0.76320085
ENSG00000172244	5	C5orf34	43486803	rs7736615	5	43570686	G	C	0.5	-0.0153704	0.00811828	0.0583163	0.351176	0.0624453	1.87E-08	-0.0437684	0.0243923	0.07275758	0.5124893	4	0.61480596
ENSG00000247796	5	CTD-2366F13.1	52405672	rs62359378	5	52414791	A	G	0.324056	0.00720601	0.00858943	0.401503	0.557832	0.0770869	4.61E-13	0.0129179	0.015501	0.4046431	0.02103118	10	0.86982438
ENSG00000152669	5	CCNO	54526980	rs334881	5	54520702	G	A	0.11829	0.0174386	0.011456	0.127953	-0.695406	0.106658	7.03E-11	-0.0250769	0.0169169	0.1382448	0.1034585	15	0.66434762
ENSG00000152670	5	DDX4	55033845	rs1540385	5	54894233	C	T	0.664016	0.00835649	0.0087062	0.33714	0.495858	0.088066	1.80E-08	0.0168526	0.0178111	0.3440555	0.8094481	6	0.8363037
ENSG00000155542	5	SETD9	56205087	rs744023	5	56197078	T	C	0.840954	-0.002063	0.0107983	0.848488	0.986591	0.0929397	2.53E-26	-0.002091	0.0109468	0.8485125	0.05409524	20	0.96559734
ENSG00000178722	5	C5orf64	60933535	rs153379	5	61002805	A	T	0.331014	-0.0051426	0.00921721	0.576891	-0.435323	0.0689597	2.74E-10	0.0118133	0.0212558	0.5783709	0.07205359	5	0.91214319
ENSG00000253203	5	GUSBP3	68790040	rs111743460	5	68929183	G	C	0.568588	0.00940679	0.00870377	0.279799	-0.745726	0.0909381	2.40E-16	-0.0126143	0.0117725	0.283942	0.2944957	8	0.78682242
ENSG00000226259	5	GTF2H2B	69711179	rs10058698	5	70670771	C	A	0.636183	-0.0136879	0.00860533	0.111693	-0.910229	0.0973751	8.96E-21	0.0150379	0.00958992	0.1168601	0.00575402	6	0.65315858
ENSG00000172058	5	SERF1A	70196492	rs212211	5	69375219	G	A	0.732604	0.00475311	0.0105405	0.652035	-1.08903	0.106171	1.10E-24	-0.0043645	0.00968815	0.652348	0.02001611	5	0.93515218
ENSG00000145736	5	GTF2H2	70330784	rs12055271	5	70676547	C	G	0.624254	-0.0072359	0.00868345	0.404674	-0.816029	0.105018	7.83E-15	0.00886726	0.0107021	0.4073582	0.03655427	4	0.86982438
ENSG00000230847	5	RP11-195E2.1	70370052	rs7710143	5	70675730	G	A	0.642147	-0.0097576	0.00871128	0.262668	-0.80469	0.0899274	3.61E-19	0.0121259	0.0109101	0.2663817	0.07133491	3	0.77289867
ENSG00000113048	5	MRPS27	71515236	rs6831	5	71515616	G	A	0.65507	0.00454141	0.00814031	0.576918	-0.380136	0.0512931	1.25E-13	-0.0119468	0.0214748	0.5779938	0.6398791	6	0.91214319
ENSG00000164338	5	UTP15	72861268	rs343110	5	72884115	T	C	0.218688	-0.0176527	0.00929549	0.0575559	-0.730919	0.108011	1.31E-11	0.0241514	0.0132088	0.0674855	0.9150079	12	0.61480596
ENSG00000164346	5	NSA2	74062817	rs72764648	5	74038097	A	C	0.139165	-0.0150032	0.0126105	0.234146	1.20033	0.097893	1.45E-34	-0.0124992	0.0105552	0.2363428	0.07314658	13	0.74370709
ENSG00000164251	5	F2RL1	76114758	rs2242995	5	76115665	C	G	0.516899	0.0167116	0.00814258	0.0401338	-0.635627	0.0912289	3.23E-12	-0.0262915	0.0133545	0.04898363	0.7189714	17	0.57871079
ENSG00000228716	5	DHFR	79922047	rs1643652	5	79955079	A	G	0.252485	0.00860736	0.00984457	0.381941	-0.757868	0.080924	7.59E-21	-0.0113573	0.0130463	0.3840053	0.9681021	20	0.85900505
ENSG00000247572	5	CKMT2-AS1	80499903	rs10038684	5	80580978	A	C	0.182903	-0.0134701	0.0100877	0.181777	1.15534	0.144752	1.45E-15	-0.011659	0.00885272	0.18784	0.2106177	11	0.70592061
ENSG00000248794	5	CTD-2248H3.1	80538149	rs9293841	5	80543426	C	T	0.192843	-0.0113514	0.00988687	0.250914	1.038	0.146052	1.19E-12	-0.0109358	0.00964841	0.257032	0.2322116	7	0.77102595
ENSG00000152348	5	ATG10	81267844	rs10036937	5	81555167	G	C	0.553678	0.00443582	0.00821749	0.589333	-0.564756	0.0839433	1.72E-11	-0.0078544	0.0145973	0.5905266	0.08614438	20	0.91885566
ENSG00000186468	5	RPS23	81569177	rs111772743	5	81569088	T	C	0.298211	0.00481835	0.00872486	0.580772	-0.659498	0.0620333	2.13E-26	-0.0073061	0.0132474	0.581283	0.6377325	20	0.91214319
ENSG00000205464	5	ATP6AP1L	81575281	rs6894520	5	81594748	T	C	0.299205	0.00526538	0.00872416	0.546149	0.78959	0.0666548	2.26E-32	0.0066685	0.0110633	0.5466695	0.6759296	20	0.90344232
ENSG00000249664	5	CTD-2227C6.2	82308104	rs3899556	5	82363681	T	C	0.460239	0.00310654	0.00807377	0.700408	0.716394	0.114473	3.89E-10	0.00433636	0.0112913	0.7009456	0.02787072	9	0.94727701
ENSG00000247828	5	TMEM161B-AS1	87564712	rs61270009	5	87576139	T	A	0.245527	0.0128565	0.00925736	0.164897	0.743881	0.0768829	3.83E-22	0.017283	0.0125722	0.1692251	0.05188987	14	0.6779252
ENSG00000271904	5	CTC-498M16.4	87729709	rs6884773	5	87715465	G	A	0.262425	-0.0105513	0.0101796	0.299961	0.573729	0.0754452	2.86E-14	-0.0183907	0.0179069	0.3044119	0.00221252	15	0.80715034
ENSG00000243806	5	CTC-484P3.1	94161666	rs152286	5	94193334	A	G	0.890656	0.00867352	0.0106707	0.416313	-0.933201	0.15788	3.40E-09	-0.0092944	0.0115421	0.4206715	0.6526782	8	0.8760777
ENSG00000153113	5	CAST	95860971	rs4267886	5	95997266	C	T	0.151093	0.0144531	0.0116838	0.216078	0.362002	0.0612706	3.46E-09	0.0399255	0.0329753	0.2259846	0.9334377	3	0.73598765
ENSG00000164307	5	ERAP1	96096521	rs28432918	5	96101226	A	G	0.337972	-0.0112757	0.00885815	0.203046	-0.673041	0.0825382	3.51E-16	0.0167534	0.0133208	0.2085052	0.1576414	20	0.72810754
ENSG00000164308	5	ERAP2	96211643	rs2927608	5	96252432	A	G	0.426441	-0.0050424	0.00809512	0.533353	1.0647	0.0720076	1.81E-49	-0.004736	0.00760994	0.5337163	0.1442149	20	0.89848316
ENSG00000145777	5	TSLP	110405760	rs3806933	5	110406742	T	C	0.454274	-0.0110276	0.00808817	0.172749	-0.582599	0.0992898	4.42E-09	0.0189283	0.0142528	0.184164	0.5846139	6	0.69741952
ENSG00000131435	5	PDLIM4	131593364	rs10463891	5	131597392	G	A	0.605368	0.00898581	0.00806501	0.265205	-0.34188	0.0562687	1.23E-09	-0.0262835	0.0239835	0.2731232	0.06760057	6	0.77954811
ENSG00000233006	5	AC034220.3	131646978	rs272842	5	131656517	G	A	0.584493	0.00582512	0.00807028	0.470418	0.862184	0.098398	1.91E-18	0.00675624	0.00939198	0.4719177	0.7782495	20	0.88426028
ENSG00000197536	5	C5orf56	131746328	rs2706386	5	131832687	T	C	0.654076	-0.0017075	0.00861884	0.842959	0.363892	0.0646496	1.82E-08	-0.0046923	0.0236998	0.8430548	0.319585	5	0.96559734
ENSG00000237190	5	CDKN2AIPNL	133737778	rs62381376	5	133746115	T	C	0.0357853	0.00826845	0.0203716	0.68483	0.529496	0.0820113	1.07E-10	0.0156157	0.0385495	0.6854176	0.9741844	5	0.94651419
ENSG00000164615	5	CAMLG	134074191	rs60191893	5	134080856	A	G	0.133201	0.00508378	0.0101829	0.617605	1.31681	0.0979893	3.61E-41	0.00386068	0.00773834	0.617848	0.394423	13	0.92780325
ENSG00000112981	5	NME5	137450866	rs144037381	5	137717902	T	C	0.0228628	-0.0435924	0.0265689	0.100853	-1.37668	0.216768	2.14E-10	0.0316649	0.0199329	0.1121565	0.9993456	6	0.64481993
ENSG00000253404	5	AC034243.1	138080123	rs825761	5	138138007	G	A	0.729622	-0.028111	0.0086806	0.00120215	-0.789983	0.0945948	6.76E-17	0.0355843	0.0117856	0.00253347	0.903514	20	0.24369595
ENSG00000213523	5	SRA1	139916925	rs250431	5	139940233	A	G	0.713718	0.00657472	0.00834246	0.430637	0.404569	0.0626365	1.05E-10	0.0162512	0.0207735	0.4340375	0.2243549	10	0.8760777
ENSG00000146007	5	ZMAT2	140078265	rs801181	5	140092814	T	C	0.43837	-0.009262	0.0080934	0.252464	0.214491	0.0372733	8.69E-09	-0.0431812	0.038472	0.2616892	0.6231739	12	0.77251343
ENSG00000204961	5	PCDHA9	140227048	rs246039	5	140331337	A	G	0.457256	0.00633887	0.00825057	0.442312	0.683289	0.0931107	2.16E-13	0.009277	0.0121408	0.4447966	0.07077476	12	0.8760777
ENSG00000250120	5	PCDHA10	140235595	rs550475	5	140273528	C	G	0.514911	0.00143411	0.00809352	0.859357	-0.507913	0.0872651	5.87E-09	-0.0028235	0.0159422	0.8594217	0.05682198	13	0.9728182
ENSG00000239389	5	PCDHA13	140261793	rs251381	5	140264855	G	A	0.66501	-0.0202418	0.00877926	0.021131	-0.710312	0.095657	1.12E-13	0.0284971	0.0129418	0.02766975	0.2485991	10	0.47888085
ENSG00000112852	5	PCDHB2	140474227	rs246675	5	140456200	G	A	0.158052	-0.0151041	0.013199	0.252484	0.648982	0.114634	1.50E-08	-0.0232735	0.0207493	0.2620103	0.3494917	5	0.77251343
ENSG00000120322	5	PCDHB8	140557371	rs652104	5	140626571	A	C	0.23161	0.00864031	0.00959521	0.367864	0.715531	0.115604	6.04E-10	0.0120754	0.0135511	0.3728753	0.1525355	3	0.84561261
ENSG00000133706	5	LARS	145492601	rs13175806	5	145472399	A	G	0.251491	0.0142948	0.00862348	0.0973868	0.552154	0.0948659	5.87E-09	0.0258892	0.0162389	0.1108771	0.6322387	7	0.64481993
ENSG00000204909	5	SPINK9	147700766	rs12717973	5	147793971	A	G	0.21173	-0.003646	0.00980524	0.710009	0.840108	0.121102	4.00E-12	-0.0043399	0.0116882	0.7104067	0.8620897	11	0.94727701
ENSG00000173210	5	ABLIM3	148521046	rs13171669	5	148601243	G	A	0.362823	0.0110435	0.00840144	0.188687	-0.573898	0.0889027	1.08E-10	-0.019243	0.0149397	0.1977304	0.9904589	5	0.71320307
ENSG00000164296	5	TIGD6	149372681	rs216128	5	149429209	T	C	0.647117	0.00510035	0.00927331	0.582316	0.604727	0.101072	2.19E-09	0.00843414	0.0153994	0.5839021	0.9867694	13	0.91214319
ENSG00000254333	5	CTC-367J11.1	149855094	rs3846703	5	149857460	T	C	0.0725646	0.0225751	0.014915	0.130131	1.42786	0.221446	1.13E-10	0.0158104	0.0107296	0.1406082	0.8239232	6	0.66434762
ENSG00000197083	5	ZNF300P1	150310207	rs17800987	5	150323428	G	A	0.115308	0.0160517	0.0132865	0.227001	1.33113	0.132853	1.25E-23	0.0120587	0.0100537	0.2303595	0.09674542	20	0.73598765
ENSG00000260581	5	CTB-113P19.4	151031836	rs165353	5	150856757	T	C	0.385686	0.00011035	0.00828592	0.989374	0.450918	0.0714395	2.76E-10	0.00024472	0.0183757	0.9893744	0.9349638	3	0.99593757
ENSG00000213433	5	RP11-54C4.1	151145420	rs6890099	5	151151962	G	A	0.263419	-0.0281543	0.00873166	0.00126238	-0.856079	0.0982148	2.87E-18	0.0328875	0.0108751	0.00249365	0.1717178	19	0.24369595
ENSG00000113272	5	THG1L	157158205	rs62387757	5	157160434	T	C	0.131213	0.00565413	0.0124173	0.648863	0.889847	0.137691	1.03E-10	0.00635405	0.013989	0.6496727	0.1109357	14	0.93515218
ENSG00000118322	5	ATP10B	159990127	rs9284995	5	160289882	C	T	0.833002	0.0121398	0.0115599	0.293645	-0.515242	0.0661218	6.58E-15	-0.0235614	0.0226387	0.2979889	0.4660182	10	0.80544615
ENSG00000113734	5	BNIP1	172571445	rs17729841	5	172472573	T	C	0.11829	-0.0084075	0.0132953	0.527146	-0.741773	0.108512	8.15E-12	0.0113344	0.0180002	0.5289044	0.5026657	8	0.89404772
ENSG00000051596	5	THOC3	175344876	rs7735794	5	175339984	A	G	0.251491	-0.0153684	0.00915199	0.0931044	0.677265	0.0804454	3.80E-17	-0.0226919	0.0137793	0.09959867	0.3103103	6	0.64481993
ENSG00000213347	5	MXD3	176728462	rs11952102	5	176740704	A	G	0.763419	0.00682259	0.00878806	0.437543	-0.543117	0.0819718	3.46E-11	-0.0125619	0.0162915	0.440664	0.6139801	8	0.8760777
ENSG00000169220	5	RGS14	176784838	rs4976646	5	176788570	C	T	0.348907	4.01E-05	0.00838215	0.996184	-0.363372	0.0619008	4.35E-09	-0.0001103	0.0230677	0.9961839	0.6698749	4	0.99820764
ENSG00000272459	5	RP11-1277A3.3	176981825	rs62398471	5	176980904	A	G	0.270378	-0.002544	0.00898252	0.777011	0.779501	0.0988302	3.09E-15	-0.0032636	0.0115308	0.7771505	0.438448	7	0.94953271
ENSG00000027847	5	B4GALT7	177027101	rs11537644	5	177031348	C	T	0.633201	-0.0032463	0.00851739	0.703103	-0.408529	0.0685983	2.59E-09	0.00794627	0.0208916	0.7036801	0.8136164	13	0.94727701
ENSG00000249849	5	RP11-1101H11.1	177109295	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.727872	0.0986395	1.59E-13	0.0197389	0.0116543	0.09032278	0.469001	11	0.64379887
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.814071	0.0651616	8.14E-36	0.0176488	0.01024	0.08479523	0.4028003	20	0.64379887
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	1.11637	0.0974583	2.22E-30	0.0147737	0.00763382	0.05295427	0.512506	20	0.59174573
ENSG00000170089	5	RP11-423H2.1	177236408	rs62399486	5	177267396	A	G	0.392644	0.00934374	0.00820082	0.254551	0.673693	0.0955043	1.74E-12	0.0138694	0.0123307	0.2606785	0.3645579	5	0.77251343
ENSG00000204677	5	FAM153C	177433406	rs55951284	5	177430788	T	C	0.492048	0.00018697	0.0080839	0.981547	0.349313	0.0542239	1.18E-10	0.00053526	0.0231424	0.9815475	0.1155574	6	0.99593757
ENSG00000218227	5	RP11-889L3.1	177482605	rs55951284	5	177430788	T	C	0.492048	0.00018697	0.0080839	0.981547	0.451053	0.0673174	2.08E-11	0.00041452	0.0179224	0.9815475	0.1165842	10	0.99593757
ENSG00000127022	5	CANX	179105629	rs1134924	5	179126090	T	C	0.496024	0.0122447	0.00805621	0.128535	-0.375917	0.056532	2.94E-11	-0.0325729	0.0219835	0.1384212	0.9791788	13	0.66434762
ENSG00000161010	5	C5orf45	179261436	rs1065154	5	179264915	T	G	0.506958	-0.0152319	0.00823663	0.0644169	-0.521421	0.0725521	6.63E-13	0.0292123	0.0163111	0.07330171	0.47455	11	0.61480596
ENSG00000197226	5	TBC1D9B	179289066	rs272441	5	179301260	G	A	0.884692	-0.0021476	0.0151594	0.887341	0.985812	0.135739	3.80E-13	-0.0021786	0.0153805	0.8873616	0.9856697	6	0.97971665
ENSG00000168903	5	BTNL3	180415845	rs72494581	5	180430797	C	T	0.322068	-0.0104168	0.00852149	0.221551	0.814315	0.0951783	1.17E-17	-0.0127921	0.0105709	0.2262306	0.4398751	20	0.73598765
ENSG00000248275	5	TRIM52-AS1	180688213	rs2770993	5	180698588	C	G	0.220676	0.0183079	0.00999635	0.0670317	-0.959644	0.0780306	9.25E-35	-0.0190778	0.0105316	0.07006628	0.1028271	19	0.61480596
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.18152	0.10008	3.65E-32	0.00725609	0.00841668	0.3886284	0.8511539	17	0.86143514
ENSG00000164385	6	C6orf195	2622147	rs55669328	6	2635494	T	C	0.378728	-0.0015811	0.00879749	0.85737	0.599358	0.10799	2.85E-08	-0.002638	0.0146859	0.8574441	0.173228	4	0.9711465
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.907111	0.0988837	4.58E-20	-0.0029317	0.00906108	0.7462804	0.06664176	10	0.94727701
ENSG00000124588	6	NQO2	2988221	rs4149360	6	3006807	G	A	0.188867	-0.0024103	0.00988062	0.807274	-0.549978	0.0833419	4.14E-11	0.00438258	0.0179778	0.807403	0.5960393	15	0.95331821
ENSG00000272277	6	RP1-40E16.12	3068279	rs12663589	6	3069057	T	C	0.544732	-0.0014399	0.00827713	0.861898	-0.627157	0.11054	1.40E-08	0.00229587	0.0132041	0.861963	0.449707	4	0.97305269
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	1.00366	0.10127	3.74E-23	0.00358428	0.0101755	0.7246539	0.07365671	13	0.94727701
ENSG00000180822	6	PSMG4	3231637	rs4613858	6	3287681	T	C	0.887674	0.0231371	0.0148119	0.118273	0.627549	0.104572	1.96E-09	0.036869	0.0243893	0.1306129	0.5159268	7	0.65842282
ENSG00000228793	6	RP1-223B1.1	3594481	rs226950	6	3716413	A	G	0.675944	0.012455	0.00884688	0.159179	0.660095	0.088607	9.36E-14	0.0188685	0.0136397	0.1665559	0.1020607	9	0.6747737
ENSG00000198721	6	ECI2	4115923	rs3177253	6	4133855	T	C	0.274354	0.00107165	0.00978564	0.912796	-0.274416	0.039271	2.79E-12	-0.0039052	0.0356643	0.9128067	0.9822677	19	0.97987891
ENSG00000124783	6	SSR1	7268539	rs72818961	6	7297674	C	T	0.0347913	-0.0271692	0.0285434	0.34117	-0.881434	0.161593	4.91E-08	0.0308239	0.0328723	0.3484059	0.9205786	6	0.8363037
ENSG00000145979	6	TBC1D7	13266774	rs454563	6	13295536	T	C	0.877734	0.020403	0.0100814	0.0429893	-0.483853	0.0837627	7.63E-09	-0.0421678	0.0220774	0.05613417	0.947452	12	0.5969465
ENSG00000124523	6	SIRT5	13574816	rs4631285	6	13670551	G	A	0.0735586	0.0199375	0.0195796	0.308546	-0.609012	0.0972796	3.84E-10	-0.0327374	0.0325723	0.3148627	0.5450875	11	0.81632603
ENSG00000050393	6	MCUR1	13786789	rs6904811	6	13777936	A	G	0.33002	0.0182208	0.0083637	0.029365	0.406718	0.0655293	5.41E-10	0.0447996	0.0217939	0.03982055	0.1039675	10	0.51663817
ENSG00000165097	6	KDM1B	18155560	rs7740550	6	18183783	A	G	0.657058	-0.0106821	0.0090064	0.2356	0.312599	0.0530706	3.86E-09	-0.0341719	0.0293896	0.2449435	0.7762863	4	0.75393686
ENSG00000228412	6	RP4-625H18.2	19802395	rs7750716	6	19804839	T	C	0.125249	0.0145471	0.013249	0.272217	0.773949	0.119594	9.71E-11	0.0187959	0.0173633	0.2790272	0.08670636	8	0.7820888
ENSG00000124532	6	MRS2	24403153	rs1056283	6	24420376	C	T	0.426441	-0.0200526	0.00809456	0.0132382	0.43903	0.0697053	3.01E-10	-0.0456748	0.0198123	0.02114535	0.4467025	7	0.45306928
ENSG00000272462	6	U91328.19	25992890	rs12201678	6	25978993	T	C	0.210736	0.00776335	0.00927833	0.402751	-0.521244	0.0839845	5.42E-10	-0.0148939	0.0179614	0.4069817	0.1463584	20	0.86982438

ENSG00000186470	6	BTN3A2	26365387	rs9393703	6	26356951	C	T	0.112326	-0.0691409	0.0145391	1.98E-06	-1.13886	0.121858	9.12E-21	0.0607106	0.0143241	2.25E-05	0.0391102	20	0.04442231
ENSG00000124508	6	BTN2A2	26383324	rs9467740	6	26383250	T	A	0.183897	-0.004207	0.0104269	0.686602	0.542094	0.0886606	9.70E-10	-0.0077606	0.0192763	0.687246	0.7417225	5	0.94651419
ENSG00000181315	6	ZNF322	26636518	rs868190	6	26665835	A	G	0.569583	-0.0066819	0.00810318	0.409599	-0.528737	0.072577	3.21E-13	0.0126374	0.0154234	0.4125767	0.00074777	17	0.8760777
ENSG00000124613	6	ZNF391	27342394	rs4455661	6	27373130	C	T	0.740557	-0.0095003	0.00832515	0.253804	0.545488	0.0723684	4.78E-14	-0.0174161	0.0154358	0.2591935	0.05388514	12	0.77251343
ENSG00000219392	6	RP1-265C24.5	28083406	rs112615652	6	28075911	A	G	0.197813	-0.0344652	0.01037	0.00088877	-0.766514	0.0948526	6.42E-16	0.0449636	0.0146283	0.00211391	0.01209021	20	0.24369595
ENSG00000216901	6	AL022393.7	28143966	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	1.04381	0.0895997	2.30E-31	-0.0208824	0.0086299	0.01552996	0.00033418	20	0.44186828
ENSG00000218016	6	ZNF192P2	28155828	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	-0.542831	0.0959668	1.55E-08	0.0401549	0.0177169	0.02342274	0.01028137	10	0.45306928
ENSG00000197062	6	RP5-874C20.3	28234788	rs2394049	6	28239681	G	A	0.403579	-0.0294714	0.00853373	0.00055333	-0.454049	0.0702057	9.97E-11	0.064908	0.0213065	0.00231604	0.6054706	20	0.24369595
ENSG00000235109	6	ZSCAN31	28292470	rs213238	6	28321993	C	T	0.363817	-0.0286459	0.0086988	0.00099092	0.748441	0.0963489	7.97E-15	-0.0382741	0.0126238	0.00243022	0.180418	20	0.24369595
ENSG00000214922	6	HLA-F-AS1	29694378	rs3131844	6	29650837	C	T	0.481113	0.00383135	0.00875776	0.661764	-0.585828	0.100814	6.21E-09	-0.0065401	0.0149917	0.6626582	0.2637426	10	0.93787835
ENSG00000176998	6	HCG4	29758816	rs1610703	6	29781613	A	T	0.311133	-0.0024632	0.00949206	0.79525	-0.83648	0.0971369	7.22E-18	0.00294471	0.0113528	0.7953403	0.5422639	20	0.95044568
ENSG00000230521	6	HCG4P7	29855071	rs2107198	6	29819662	A	G	0.114314	-0.0143633	0.0136409	0.29236	-0.962565	0.130287	1.49E-13	0.0149219	0.0143146	0.297215	0.09567399	20	0.80544615
ENSG00000206341	6	HLA-H	29855350	rs73725536	6	29915106	G	A	0.0984095	-0.0193785	0.0156029	0.214244	0.676869	0.124095	4.91E-08	-0.0286296	0.0236416	0.2259015	0.3039655	8	0.73598765
ENSG00000230795	6	HLA-K	29894236	rs2844805	6	29940679	A	G	0.281312	-0.0194893	0.00871342	0.0253064	-0.958672	0.102515	8.64E-21	0.0203295	0.00934542	0.02960447	0.5684128	20	0.48674683
ENSG00000235290	6	HLA-W	29924373	rs2256543	6	29937833	C	T	0.592445	0.0200797	0.00811442	0.0133395	-0.594113	0.103341	8.98E-09	-0.0337978	0.0148695	0.02302892	0.6444174	17	0.45306928
ENSG00000204623	6	ZNRD1-AS1	29968788	rs12663534	6	30047301	C	A	0.0377734	-0.0003568	0.0265357	0.989273	-0.90989	0.144303	2.87E-10	0.00039211	0.0291637	0.9892727	0.5167172	20	0.99593757
ENSG00000237669	6	HCG4P3	29973898	rs9260370	6	29917899	C	T	0.0815109	0.0135302	0.0155311	0.383664	-0.872404	0.149889	5.87E-09	-0.0155091	0.018001	0.3889238	0.9170018	20	0.86143514
ENSG00000204622	6	HLA-J	29974360	rs2734957	6	29850684	G	A	0.37674	0.0108888	0.00835266	0.192358	0.5189	0.0858893	1.53E-09	0.0209844	0.0164673	0.2025558	0.4492995	20	0.72037358
ENSG00000204618	6	RNF39	30038043	rs2074479	6	30041009	G	A	0.0954274	0.0179617	0.01797	0.317534	0.700825	0.119339	4.29E-09	0.0256294	0.02601	0.3244438	0.9349028	20	0.82362657
ENSG00000270604	6	HCG17	30201816	rs3130389	6	30188199	T	C	0.428429	-0.0069182	0.00813091	0.39485	-0.735691	0.0962166	2.07E-14	0.00940372	0.0111203	0.3977558	0.02346498	20	0.86619447
ENSG00000243753	6	HLA-L	30227361	rs261949	6	30270080	A	G	0.246521	-0.0126058	0.00925267	0.173071	-0.566608	0.0830973	9.19E-12	0.0222478	0.0166527	0.1815528	0.3728445	7	0.69422261
ENSG00000228022	6	HCG20	30734602	rs7740474	6	30760948	G	A	0.431412	0.00283087	0.0086631	0.743839	-0.75893	0.109561	4.30E-12	-0.0037301	0.0114276	0.7441139	0.0103797	6	0.94727701
ENSG00000137411	6	VARS2	30876019	rs2535335	6	30812497	G	A	0.383698	-0.0080778	0.00825283	0.327686	0.617711	0.0673997	4.96E-20	-0.0130769	0.0134363	0.3304286	0.01628851	20	0.83103105
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	0.93758	0.144435	8.51E-11	0.00312598	0.011891	0.7926377	0.9821853	20	0.95044568
ENSG00000272501	6	Xbac-BPG299F13.	31162977	rs1128175	6	31150435	G	A	0.762425	0.0009871	0.00878175	0.910504	-0.5608	0.0845065	3.22E-11	-0.0017602	0.0156616	0.9105164	0.03796729	20	0.97987891
ENSG00000204525	6	HLA-C	31236526	rs2524091	6	31240293	T	C	0.72664	0.0222535	0.00883891	0.0118133	-0.657733	0.0745714	1.14E-18	-0.0338336	0.0139752	0.01547887	0.5301078	20	0.44186828
ENSG00000272221	6	Xbac-BPG181B23.	31362066	rs7756426	6	31360694	A	G	0.295229	-0.006554	0.00871953	0.452264	-0.773218	0.0910297	1.99E-17	0.00847626	0.011321	0.4540258	0.02696416	20	0.87797516
ENSG00000204520	6	MICA	31371356	rs9295996	6	31390558	G	T	0.299205	-0.0110579	0.00850824	0.193714	-0.65614	0.0673111	1.88E-22	0.016853	0.0130819	0.1976522	0.04665587	20	0.71320307
ENSG00000204516	6	MICB	31462658	rs2894221	6	31461771	A	T	0.363817	-0.0062668	0.00843912	0.457729	0.554887	0.0821525	1.43E-11	-0.0112939	0.0153004	0.4604263	0.02380344	16	0.8836781
ENSG00000204463	6	BAG6	31606805	rs2844462	6	31651247	A	G	0.0477137	0.0166426	0.0270633	0.538587	1.28325	0.167296	1.71E-14	0.0129691	0.0211573	0.5398868	0.1040842	11	0.8990588
ENSG00000204428	6	LY6G5C	31644461	rs805290	6	31648403	T	C	0.296223	-0.0197443	0.00827973	0.017095	-0.7766	0.0946733	2.35E-16	0.025424	0.0111029	0.02202951	0.00840697	15	0.45306928
ENSG00000204351	6	SKIV2L	31926857	rs2734326	6	31943585	C	T	0.141153	0.0294523	0.0152044	0.0527351	0.769025	0.097233	2.59E-15	0.0382982	0.0203554	0.05990644	0.128058	15	0.5969465
ENSG00000244731	6	C4A	31949801	rs3132941	6	32131972	C	G	0.0765408	-0.0367067	0.0138725	0.00814479	-0.804133	0.138313	6.10E-09	0.0456475	0.0189542	0.01602641	0.03117716	20	0.44186828
ENSG00000204338	6	CYP21A1P	31973413	rs4711286	6	32071637	C	T	0.446322	0.0165491	0.00810065	0.0410592	0.683219	0.105182	8.27E-11	0.0242222	0.0124292	0.05131668	0.2641928	20	0.59174573
ENSG00000228962	6	HCG23	32358287	rs9267901	6	32203606	T	C	0.055666	-0.0019804	0.0208886	0.924469	-1.28916	0.217962	3.33E-09	0.00153617	0.0162053	0.9244784	0.4213429	20	0.9827564
ENSG00000198502	6	HLA-DRB5	32485120	rs9269235	6	32453558	G	T	0.857853	-0.017079	0.0111833	0.126717	-1.15361	0.111256	3.43E-25	0.0148048	0.00979876	0.1308169	0.08334822	20	0.65842282
ENSG00000229391	6	HLA-DRB6	32520490	rs34481656	6	32501664	G	A	0.333002	-0.0060107	0.00960472	0.53144	0.745132	0.0840814	7.86E-19	-0.0080667	0.0129221	0.5324592	0.9928129	20	0.89713237
ENSG00000196126	6	HLA-DRB1	32546546	rs28752492	6	32568138	A	G	0.353877	0.00833374	0.00884371	0.346021	-0.57314	0.0680675	3.76E-17	-0.0145405	0.0155266	0.3490215	0.05920103	20	0.8363037
ENSG00000179344	6	HLA-DQB1	32627244	rs1766	6	32627795	G	A	0.425447	-0.0199086	0.00815666	0.0146555	-0.934005	0.0955158	1.39E-22	0.0213153	0.00900093	0.01787861	0.5729871	20	0.45306928
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs9271346	6	32583468	T	C	0.835984	-0.0248839	0.0110493	0.0243164	-1.02131	0.148373	5.84E-12	0.0243647	0.0113831	0.03231997	0.474542	20	0.49768191
ENSG00000237541	6	HLA-DQA2	32709119	rs9272358	6	32604538	A	G	0.370775	-0.0062262	0.00858014	0.46805	0.894589	0.0998971	3.39E-19	-0.0069599	0.00962259	0.4695054	0.03029782	20	0.88426028
ENSG00000232629	6	HLA-DQB2	32723875	rs17211951	6	32637315	A	C	0.157058	0.0401449	0.0128265	0.00174896	1.19243	0.118081	5.61E-24	0.0336665	0.0112614	0.00279392	0.1792288	20	0.24369595
ENSG00000241106	6	HLA-DOB	32780540	rs2621326	6	32783896	A	G	0.440358	-0.0062316	0.00806924	0.43996	-0.753674	0.103725	3.70E-13	0.00826824	0.0107668	0.4425253	0.10208	20	0.8760777
ENSG00000204267	6	TAP2	32789610	rs4148876	6	32796793	A	G	0.0735586	0.0108122	0.0154544	0.484165	-1.01478	0.169671	2.22E-09	-0.0106547	0.0153332	0.4871296	0.01663346	3	0.88426028
ENSG00000204256	6	BRD2	32936437	rs57331574	6	32961191	C	T	0.0516899	-0.0246735	0.0157152	0.116406	0.851871	0.152823	2.49E-08	-0.0289639	0.0191657	0.1307275	0.5359092	3	0.65842282
ENSG00000224557	6	HLA-DPB2	33080228	rs3117025	6	33091032	C	T	0.215706	0.0124709	0.00968577	0.197905	1.07664	0.107796	1.73E-23	0.0115832	0.00907074	0.2016088	0.1063312	20	0.71930228
ENSG00000230313	6	HCG24	33112560	rs3129229	6	33112576	T	C	0.215706	0.0126306	0.00969015	0.192423	0.86468	0.11869	3.21E-13	0.0146073	0.0113846	0.1994666	0.1952873	16	0.71554109
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.578616	0.0706284	2.56E-16	-0.0171814	0.0309915	0.5793118	0.2863671	3	0.91214319
ENSG00000204188	6	GGNBP1	33551515	rs563751	6	33552769	G	A	0.23161	-0.022593	0.0109768	0.0395676	-0.602836	0.105576	1.13E-08	0.0374779	0.0193555	0.05283177	0.4196025	6	0.59174573
ENSG00000161904	6	LEMD2	33738979	rs2296744	6	33740382	A	G	0.499006	-0.019978	0.00805282	0.0131063	-0.385082	0.0620343	5.38E-10	0.0518799	0.0225202	0.02123917	0.3942231	3	0.45306928
ENSG00000196821	6	C6orf106	34555065	rs112563428	6	34800435	T	C	0.101392	-0.0229541	0.0102111	0.0245788	0.426888	0.0743142	9.23E-09	-0.0537708	0.0256862	0.03631591	0.07528634	10	0.50611661
ENSG00000124562	6	SNRPC	34725183	rs9296131	6	34776361	T	C	0.336978	-0.0088029	0.00857177	0.304439	-0.35754	0.06525	4.26E-08	0.0246207	0.0243917	0.3127895	0.00815267	5	0.81378166
ENSG00000065060	6	UHRF1BP1	34759857	rs2395604	6	34787976	C	A	0.336978	-0.0088176	0.00857147	0.303613	0.445071	0.0792229	1.93E-08	-0.0198117	0.0195789	0.3115904	0.01683558	4	0.81378166
ENSG00000196748	6	CLPSL2	35744371	rs2766577	6	35743233	A	T	0.285288	-0.0019368	0.00881401	0.826075	0.646564	0.112157	8.18E-09	-0.0029955	0.013642	0.8261988	0.2459433	3	0.95662572
ENSG00000204140	6	CLPSL1	35748794	rs2817064	6	35741963	A	G	0.657058	0.00253174	0.00828242	0.75985	0.56804	0.0995205	1.14E-08	0.00445697	0.0146016	0.7601842	0.551044	7	0.94873228
ENSG00000112053	6	SLC26A8	35911291	rs2395649	6	35977862	C	T	0.399602	-0.015582	0.00818613	0.056981	-0.30264	0.0474475	1.79E-10	0.0514869	0.0282278	0.06815548	0.4743404	5	0.61480596
ENSG00000156711	6	MAPK13	36095586	rs12210946	6	36098130	A	G	0.304175	0.017324	0.00984722	0.0785308	0.329827	0.0434196	3.05E-14	0.0525245	0.0306459	0.08654458	0.8550523	6	0.64379887
ENSG00000246982	6	RP1-179N16.6	36114475	rs2859135	6	36114703	T	C	0.637177	-0.0149821	0.00919647	0.103288	-0.583045	0.0823546	1.44E-12	0.0256963	0.0161854	0.1123716	0.4306857	10	0.64481993
ENSG00000161912	6	ADCY10P1	41068761	rs72856298	6	41113920	C	T	0.132207	0.00932996	0.0136154	0.493187	0.938995	0.105849	7.25E-19	0.00993611	0.0145432	0.4944709	0.8360455	13	0.88426028
ENSG00000112599	6	GUCA1B	42152139	rs13197564	6	42184400	T	C	0.637177	0.00399486	0.00886038	0.652085	0.740081	0.0843081	1.66E-18	0.00539787	0.011988	0.6525127	0.06370247	13	0.93515218
ENSG00000112619	6	PRPH2	42664340	rs3818087	6	42672407	C	T	0.256461	-0.0124102	0.00938345	0.18598	0.838451	0.0709592	3.23E-32	-0.0148013	0.0112613	0.1887268	0.1494884	20	0.70631233
ENSG00000124713	6	GNMT	42928496	rs2296804	6	42931261	G	C	0.588469	0.00247486	0.00811008	0.760246	-1.14321	0.0963605	1.82E-32	-0.0021648	0.00709648	0.7603223	0.6818482	20	0.94873228
ENSG00000124587	6	PEX6	42931608	rs6907751	6	42944850	T	C	0.485089	-0.0004819	0.00824119	0.953368	0.712199	0.0607705	1.01E-31	-0.0006767	0.0115716	0.9533682	0.9459239	18	0.99296872
ENSG00000196284	6	SUPT3H	44777054	rs10456547	6	45219526	C	T	0.315109	0.0009159	0.00876676	0.916793	0.646579	0.105162	7.83E-10	0.00141653	0.0135606	0.9168051	0.1074706	14	0.97987891
ENSG00000231769	6	RP1-8B1.4	46064830	rs1048077	6	46112389	G	A	0.680915	0.0283283	0.0090896	0.00182974	-0.64724	0.0885586	2.70E-13	-0.0437678	0.0152672	0.00414649	0.6669553	7	0.28633186
ENSG00000112796	6	ENPP5	46126924	rs7769738	6	46110726	G	A	0.534791	0.0198462	0.00806459	0.0138586	-0.356623	0.0555723	1.39E-10	-0.0556504	0.0242195	0.02157613	0.2732741	10	0.45306928
ENSG00000153291	6	SLC25A27	46620678	rs1805017	6	46684222	T	C	0.255467	0.0242782	0.00911139	0.00770797	0.693499	0.0602987	1.30E-30	0.0350083	0.0134863	0.00943597	0.8951779	20	0.3871142
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.738026	0.0873466	2.93E-17	-0.0319197	0.0126681	0.01174547	0.3957685	10	0.44186828
ENSG00000031691	6	CENPQ	49431091	rs2448701	6	49459282	G	A	0.686879	-9.77E-05	0.00846189	0.990783	0.443915	0.0604316	2.05E-13	-0.0002202	0.019062	0.9907834	0.5040004	20	0.99593757
ENSG00000112118	6	MCM3	52128807	rs72925235	6	52361027	A	G	0.0407555	0.0137089	0.0271356	0.613419	1.11635	0.164727	1.23E-11	0.0122801	0.0243749	0.6144006	0.682828	4	0.92780325
ENSG00000137269	6	LRRC1	53659295	rs9370240	6	53753255	A	C	0.362823	0.0217577	0.00919205	0.0179325	0.246898	0.044033	2.06E-08	0.0881242	0.0404115	0.02920781	0.3220609	4	0.48674683
ENSG00000151917	6	BEND6	56819773	rs12154043	6	56820163	A	G	0.754473	-0.0011594	0.00868208	0.893764	0.427705	0.0512115	6.73E-17	-0.0027108	0.0203018	0.8937775	0.5421126	14	0.97987891
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs6915273	6	58283185	T	C	0.373757	-0.0078325	0.00860069	0.362463	-0.521694	0.0767195	1.05E-11	0.0150136	0.0166333	0.366726	0.5069611	7	0.84538623
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs1022475	6	58316723	T	G	0.683897	0.00107835	0.00872892	0.901681	0.604244	0.0768819	3.86E-15	0.00178463	0.0144478	0.9016935	0.5224795	14	0.97987891
ENSG00000215190	6	LINC00680	58272352	rs62414284	6	58173939	T	C	0.261431	-0.0018132	0.00953302	0.849149	-0.859189	0.0912485	4.69E-21	0.00211039	0.0110976	0.8491796	0.3577797	20	0.96559734
ENSG00000271967	6	RP11-134K13.4	71306141	rs34873840	6	71225724	C	G	0.37674	-0.0092148	0.00816655	0.259171	-0.544164	0.0938438	6.69E-09	0.0169338	0.015289	0.2680435	0.5561439	8	0.77373906
ENSG00000256980	6	KHDC1L	73933267	rs6453651	6	73899647	G	A	0.22664	-0.0038303	0.00941636	0.684176	0.616949	0.110947	2.69E-08	-0.0062085	0.0153036	0.684972	0.9986286	13	0.94651419
ENSG00000234882	6	EIF3EP1	74001685	rs10943089	6	74003023	T	A	0.100398	-0.0039799	0.0115246	0.729839	0.60816	0.101587	2.14E-09	-0.0065442	0.0189814	0.73027	0.7307394	5	0.94727701
ENSG00000146243	6	IRAK1BP1	79577189	rs2174742	6	79610101	T	G	0.479125	0.0236815	0.00807926	0.00337715	0.484478	0.0876747	3.28E-08	0.0488804	0.0188771	0.00961409	0.6046187	6	0.3871142
ENSG00000203875	6	SNHG5	86370710	rs4431401	6	86189520	C	T	0.580517	0.0267405	0.00805885	0.00090617	0.577254	0.0496103	2.71E-31	0.0463236	0.0145172	0.00141809	0.09501506	16	0.2331573
ENSG00000111850	6	SMIM8	88032301	rs6925890	6	88001571	C	T	0.0944334	0.00625162	0.012853	0.626687	0.618394	0.107472	8.72E-09	0.0101094	0.0208586	0.6279138	0.7390728	5	0.92830685
ENSG00000272514	6	C6ORF165	88117701	rs9353484	6	88104281	T	A	0.704771	-0.0147759	0.00902644	0.10164	-0.578394	0.083234	3.68E-12	0.0255464	0.0160332	0.1110827	0.6729505	9	0.64481993
ENSG00000083099	6	LYRM2	90277863	rs4343895	6	90378930	T	C	0.629225	0.0101334	0.00830265	0.222274	-0.459857	0.0688264	2.37E-11	-0.022036	0.0183536	0.2298931	0.8886667	17	0.73598765
ENSG00000123545	6	NDUFAF4	97337189	rs12202527	6	97354319	A	G	0.132207	0.0113579	0.0122035	0.352006	0.278856	0.0503639	3.08E-08	0.0407303	0.0443767	0.358707	0.2688949	3	0.8429066
ENSG00000228506	6	RP11-98I9.4	99872798	rs9402794	6	99892524	A	G	0.491054	-0.0012536	0.00809135	0.876874	0.875473	0.096245	9.35E-20	-0.0014319	0.0092436	0.8768916	0.3970911	20	0.97812135
ENSG00000219755	6	RP1-199J3.5	100023588	rs330831	6	100047669	C	T	0.806163	0.0101951	0.00881455	0.247427	0.952984	0.122274	6.50E-15	0.0106981	0.00935072	0.2525854	0.9761866	20	0.76442105
ENSG00000130348	6	QRSL1	107077453	rs3101493	6	107115394	G	A	0.382704	-0.0040115	0.00820452	0.624883	-0.826912	0.0792572	1.75E-25	0.00485121	0.00993277	0.6252636	0.5420121	20	0.92817169
ENSG00000229654	6	RP1-60O19.2	107143410	rs2015205	6	107113715	A	G	0.464215	-0.0079005	0.00804955	0.326353	0.693259	0.106528	7.63E-11	-0.0113962	0.0117425	0.331791	0.5566552	18	0.83103105
ENSG00000155085	6	AK9	109814059	rs1476388	6	109839986	G	A	0.409543	-0.0149274	0.00816148	0.0673985	-0.521794	0.065566	1.74E-15	0.0286078	0.016049	0.0746618	0.8081026	20	0.61480596
ENSG00000255389	6	C6orf3	111921078	rs9481169	6	111929862	T	G	0.105368	-0.0270014	0.0150236	0.0722936	-1.12259	0.135432	1.14E-16	0.0240528	0.013694	0.07901137	0.437845	19	0.62558233
ENSG00000188820	6	FAM26F	116782533	rs117361304	6	116783619	G	T	0.0914513	0.0182928	0.012437	0.141336	-0.984438	0.152806	1.18E-10	-0.018582	0.0129587	0.1515892	0.9612055	6	0.67014512
ENSG00000237742	6	RP11-624M8.1	125899704	rs3757217	6	126069636	C	G	0.5	-0.0045465	0.00805708	0.57256	-0.665277	0.0754792	1.21E-18	0.00683398	0.0121357	0.5733449	0.1895819	20	0.91214319
ENSG00000203756	6	TMEM244	130152389	rs6918416	6	130142623	A	G	0.45825	0.00219944	0.00817801	0.787971	0.569956	0.0910131	3.79E-10	0.00385896	0.0143617	0.7881621	0.7676306	10	0.95044568
ENSG00000231023	6	LINC00326	133409219	rs271154	6	133273183	C	T	0.428429	0.00596312	0.0080988	0.46155	-0.604435	0.0981489	7.35E-10	-0.0098656	0.0134944	0.4647242	0.2939626	11	0.88426028
ENSG00000118514	6	ALDH8A1	135238528	rs4142299	6	135377186	T	G	0.489066	0.00141275	0.00813824	0.862184	-0.625369	0.0761844	2.24E-16	-0.0022591	0.0130164	0.862215	0.421984	20	0.97305269
ENSG00000112339	6	HBS1L	135281516	rs4896131	6	135392100	A	C	0.489066	0.0009953	0.00816137	0.902937	-0.285999	0.0467303	9.35E-10	-0.0034801	0.028542	0.9029562	0.4004015	17	0.97987891
ENSG00000232876	6	CTA-212D2.2	135376171	rs41294852	6	135376379	G	T	0.488072	0.00136494	0.00813803	0.866801	-0.869153	0.104008	6.46E-17	-0.0015704	0.00936506	0.8668273	0.4821043	20	0.97450157
ENSG00000135541	6	AHI1	135604670	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.396734	0.0537074	1.50E-13	-0.0112293	0.0263972	0.6705471	0.6291655	6	0.94200099
ENSG00000234084	6	RP3-388E23.2	135622706	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.65511	0.0829511	2.84E-15	-0.0068005	0.0159828	0.6704827	0.4251438	4	0.94200099
ENSG00000225177	6	RP11-390P2.4	139013685	rs1129180	6	139018132	G	A	0.22167	-0.0077603	0.0102507	0.449023	0.538126	0.0608154	8.87E-19	-0.0144209	0.0191185	0.4506732	0.859354	20	0.87797516
ENSG00000189007	6	ADAT2	143743969	rs9373391	6	143766276	G	A	0.536779	0.00690772	0.00821249	0.400278	0.412051	0.0669454	7.51E-10	0.0167642	0.020116	0.4046316	0.200261	5	0.86982438
ENSG00000270638	6	RP3-466P17.1	146056706	rs6570699	6	145920732	A	G	0.485089	0.0125683	0.00806614	0.119195	0.494624	0.0852236	6.48E-09	0.0254098	0.0168851	0.1323584	0.3072182	12	0.66112183
ENSG00000235652	6	RP11-545I5.3	146136048	rs367693	6	145815949	A	G	0.322068	0.00030484	0.0083379	0.970835	0.602202	0.0697137	5.71E-18	0.00050621	0.0138458	0.9708354	0.3651535	12	0.99504324
ENSG00000111962	6	UST	149068464	rs10499258	6	149242165	A	G	0.206759	-0.0008979	0.0110482	0.935223	0.713848	0.104017	6.75E-12	-0.0012579	0.015478	0.9352275	0.2699523	3	0.99029499
ENSG00000203722	6	RAET1G	150238014	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	0.859901	0.105568	3.78E-16	0.00771988	0.00954219	0.4185006	0.3041625	14	0.8760777
ENSG00000112031	6	MTRF1L	153308497	rs7752197	6	153326846	T	C	0.696819	0.0293157	0.00901911	0.00115244	-0.670929	0.0842295	1.65E-15	-0.0436942	0.0145188	0.00261693	0.01844976	10	0.24369595
ENSG00000235381	6	RP11-477D19.2	155574273	rs13220615	6	155587709	G	T	0.572565	0.00981079	0.00811047	0.226415	-0.514062	0.0752677	8.50E-12	-0.0190848	0.0160228	0.2336115	0.9277229	13	0.73983225
ENSG00000146453	6	PNLDC1	160221298	rs11757681	6	160211728	G	T	0.513917	0.00047899	0.00812686	0.953	-0.590738	0.0862004	7.23E-12	-0.0008108	0.0137576	0.9530022	0.7330645	7	0.99296872
ENSG00000235994	6	RP3-470B24.5	168376604	rs225755	6	168420221	G	C	0.522863	-0.0048362	0.00847723	0.568346	0.586146	0.100323	5.14E-09	-0.0082508	0.0145314	0.570179	0.8610198	3	0.91214319
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.747303	0.096377	8.91E-15	-0.0097068	0.0112298	0.38738	0.1002682	20	0.86143514
ENSG00000184465	6	WDR27	169857307	rs4716386	6	170133863	G	A	0.383698	0.00487478	0.00849402	0.566031	-0.455596	0.0810009	1.86E-08	-0.0106998	0.0187406	0.5680384	0.4755488	15	0.91214319
ENSG00000236173	6	RP1-182D15.2	170209414	rs10455751	6	170246609	T	C	0.0616302	-0.0189144	0.0193529	0.328401	-1.27377	0.212558	2.07E-09	0.0148491	0.0153941	0.3347465	0.9746542	5	0.83103105
ENSG00000273100	6	RP11-302L19.3	170493905	rs3104177	6	170483089	C	T	0.412525	0.00993898	0.00808982	0.21923	0.441965	0.0746981	3.28E-09	0.0224882	0.0186947	0.2290076	0.3618236	8	0.73598765
ENSG00000261003	6	RP1-140C12.2	170723227	rs1022614	6	170683419	C	A	0.907555	0.0175985	0.0164013	0.283274	-0.91697	0.134393	8.91E-12	-0.019192	0.0181062	0.2891594	0.4443441	12	0.79458426
ENSG00000071994	6	PDCD2	170884383	rs7762119	6	170919735	C	T	0.423459	0.0100507	0.0080762	0.213319	0.361132	0.0627497	8.66E-09	0.0278311	0.0228805	0.2238439	0.7201175	9	0.73598765
ENSG00000240859	7	AC093627.10	149597	rs76029673	7	161970	A	G	0.0367793	-0.0331414	0.0198264	0.0946063	-1.6975	0.295252	8.96E-09	0.0195237	0.0121634	0.1084688	0.778673	4	0.64481993
ENSG00000223855	7	AC147651.3	560028	rs9801322	7	564240	G	A	0.175944	0.00829487	0.0105012	0.429588	1.23847	0.106829	4.47E-31	0.00669768	0.00849883	0.4306557	0.3051965	19	0.8760777
ENSG00000146540	7	C7orf50	1036622	rs11977	7	1036944	C	G	0.0765408	-0.0181547	0.0156612	0.246368	0.659872	0.081544	5.86E-16	-0.0275125	0.023976	0.2511746	0.7343311	10	0.76358627
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.22271	0.086849	5.14E-45	-0.0058748	0.0068805	0.3932011	0.9071701	20	0.86188326
ENSG00000164880	7	INTS1	1509913	rs67490389	7	1547058	T	C	0.441352	0.00553793	0.00807334	0.492744	-0.516327	0.0606513	1.69E-17	-0.0107256	0.0156868	0.4941414	0.6166989	20	0.88426028
ENSG00000230487	7	PSMG3-AS1	1609709	rs4725240	7	1628183	C	T	0.402584	0.0013212	0.0083082	0.87365	-0.469218	0.0685083	7.43E-12	-0.0028158	0.0177113	0.873684	0.960299	13	0.97719871
ENSG00000122687	7	FTSJ2	2273866	rs34418140	7	2278183	T	C	0.341948	-0.0029028	0.00878111	0.740969	0.492246	0.0775746	2.22E-10	-0.005897	0.0178631	0.7413068	0.1676054	8	0.94727701
ENSG00000157927	7	RADIL	4836686	rs7779393	7	4811174	A	G	0.0248509	0.0005942	0.0371653	0.987244	0.931848	0.169435	3.80E-08	0.00063765	0.0398836	0.9872441	0.6451297	4	0.99593757
ENSG00000196204	7	RNF216P1	5013619	rs113612946	7	5027080	C	G	0.109344	-0.0276285	0.015502	0.0747085	-0.913906	0.134515	1.09E-11	0.0302312	0.0175363	0.08472131	0.03929086	9	0.64379887
ENSG00000159904	7	ZNF890P	5160870	rs10251444	7	5881731	C	G	0.414513	-0.0042093	0.00810242	0.603405	0.383506	0.061884	5.75E-10	-0.0109758	0.0212013	0.6046707	0.8833197	13	0.92769463
ENSG00000122674	7	CCZ1	5938356	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	0.914326	0.116044	3.30E-15	-0.0060979	0.00903678	0.4998098	0.6983518	10	0.88426028
ENSG00000122512	7	PMS2	6012870	rs1062372	7	6048973	A	C	0.194831	-0.005967	0.00911671	0.512786	-0.306054	0.0544443	1.89E-08	0.0194964	0.0299891	0.5156178	0.09575701	7	0.88902293
ENSG00000136238	7	RAC1	6414154	rs9648593	7	6399537	A	G	0.368787	-0.0008194	0.00814067	0.919823	0.358943	0.06222	7.98E-09	-0.0022829	0.022683	0.9198351	0.4015689	9	0.98087349
ENSG00000187953	7	PMS2CL	6749759	rs2079819	7	6060908	G	A	0.840954	-0.008371	0.0106313	0.431054	0.989569	0.142029	3.23E-12	-0.0084592	0.0108118	0.4339744	0.00166053	11	0.8760777
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.846091	0.108783	7.38E-15	0.00658971	0.00976652	0.499851	0.7867544	9	0.88426028
ENSG00000106392	7	C1GALT1	7196565	rs2108788	7	7258901	C	T	0.11829	0.0126373	0.0102823	0.219058	0.919188	0.115441	1.69E-15	0.0137483	0.0113188	0.2244997	0.6019386	20	0.73598765
ENSG00000230825	7	AC005532.5	7294785	rs1796121	7	7317605	G	C	0.387674	-0.0023471	0.00806489	0.771031	-0.673955	0.103197	6.54E-11	0.00348256	0.0119784	0.7712524	0.5890028	15	0.94953271
ENSG00000215018	7	COL28A1	7395834	rs3823842	7	7604913	G	A	0.700795	0.0158964	0.00868545	0.0672156	0.472434	0.073998	1.72E-10	0.0336479	0.019125	0.07851514	0.9094175	11	0.62558233
ENSG00000272894	7	RP5-1159O4.1	7592093	rs73674582	7	7605391	T	C	0.254473	-0.0185873	0.00881886	0.035059	0.485342	0.0746787	8.08E-11	-0.0382973	0.019102	0.04497573	0.06480095	19	0.54778677
ENSG00000244239	7	AC007009.1	8301863	rs9472	7	8302284	A	G	0.560636	-0.0022881	0.00805941	0.776485	0.521494	0.088623	3.99E-09	-0.0043876	0.0154724	0.7767385	0.6442577	6	0.94953271
ENSG00000146530	7	VWDE	12370511	rs6945190	7	12357020	G	A	0.514911	-0.0008969	0.00804674	0.911253	-0.718051	0.0888077	6.19E-16	0.00124904	0.0112074	0.9112614	0.9610999	20	0.97987891
ENSG00000237773	7	AC003075.4	17319458	rs138250592	7	17301557	T	G	0.0149105	-0.0727337	0.0391145	0.062955	2.06692	0.292676	1.64E-12	-0.0351894	0.0195691	0.07214269	0.01562343	9	0.61480596
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-0.978144	0.139592	2.43E-12	0.0335588	0.0198684	0.09120923	0.00412082	6	0.64379887
ENSG00000196683	7	TOMM7	22852251	rs10276099	7	22862950	A	G	0.331014	-0.0024448	0.00824412	0.766814	-0.380421	0.0555036	7.18E-12	0.00642643	0.0216913	0.7670258	0.936054	8	0.94953271
ENSG00000230658	7	KLHL7-AS1	23140847	rs6978827	7	23125544	T	A	0.346918	-0.0024125	0.00867972	0.781057	1.06179	0.0846227	4.11E-36	-0.0022721	0.00817662	0.78111	0.1498844	20	0.94953271
ENSG00000136243	7	NUPL2	23221446	rs6964665	7	23211352	A	G	0.335984	0.00301394	0.00888771	0.734526	-0.620558	0.0792607	4.90E-15	-0.0048568	0.0143356	0.7347637	0.2071028	20	0.94727701
ENSG00000136235	7	GPNMB	23275586	rs199357	7	23288309	A	G	0.375746	0.00319838	0.00829287	0.699734	-0.767786	0.0756387	3.29E-24	-0.0041657	0.0108088	0.6999409	0.4899763	20	0.94727701
ENSG00000105928	7	DFNA5	24737972	rs1001821	7	24796541	G	C	0.146123	0.0275722	0.0100285	0.00597063	0.88884	0.119217	8.94E-14	0.0310204	0.0120254	0.00989211	0.3400067	20	0.3903425
ENSG00000233760	7	AC004947.2	26591441	rs11983370	7	26619480	T	C	0.384692	0.0136452	0.00892261	0.126194	0.650804	0.11823	3.70E-08	0.0209667	0.0142294	0.1406229	0.8558981	7	0.66434762
ENSG00000234336	7	JAZF1-AS1	28219941	rs10281102	7	28243473	G	A	0.0904573	-0.0233952	0.0152263	0.124415	-0.754917	0.0881077	1.05E-17	0.0309904	0.0204912	0.1304387	0.4216922	10	0.65842282
ENSG00000228421	7	AC005013.5	28997283	rs149983036	7	29038802	C	T	0.084493	0.00452689	0.0170212	0.790273	1.00598	0.176475	1.20E-08	0.00449998	0.0169384	0.7904957	0.9652452	6	0.95044568
ENSG00000272568	7	CTB-113D17.1	29019583	rs74646134	7	29039409	G	A	0.084493	0.00468343	0.0170198	0.783183	1.03929	0.139635	9.85E-14	0.00450637	0.0163876	0.7833258	0.963108	6	0.94953271
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-1.13462	0.0854077	2.84E-40	-0.0003004	0.00786309	0.9695212	0.2587483	20	0.99493047
ENSG00000244480	7	AC005154.7	30562759	rs1986756	7	30651938	A	G	0.763419	0.00018292	0.00895136	0.983697	-0.674149	0.110601	1.09E-09	-0.0002713	0.0132781	0.9836966	0.3758074	11	0.99593757
ENSG00000226468	7	AC018641.7	32496575	rs10272475	7	32481484	C	T	0.158052	-0.0190914	0.0118494	0.107142	0.755153	0.121911	5.86E-10	-0.0252815	0.0162135	0.1189286	0.5243279	15	0.65842282
ENSG00000229358	7	DPY19L1P1	32620561	rs7777552	7	32690094	C	G	0.0765408	0.00683086	0.0134581	0.611758	-0.941348	0.163593	8.70E-09	-0.0072565	0.0143521	0.6131362	0.8756475	9	0.92780325
ENSG00000205763	7	RP9P	32956427	rs2893441	7	32961379	A	C	0.185885	-0.0050358	0.00977905	0.606585	-0.413224	0.0710946	6.16E-09	0.0121865	0.0237579	0.6079907	0.6467993	6	0.92780325

ENSG00000164610	7	RP9	33134409	rs4723227	7	33003783	T	C	0.224652	-0.0054116	0.00936408	0.563322	0.650412	0.0946435	6.32E-12	-0.0083203	0.014448	0.5646963	0.8339744	12	0.91214319
ENSG00000271122	7	RP11-379H18.1	35734824	rs2392378	7	35704949	C	T	0.543738	-0.002612	0.00805835	0.745834	0.547311	0.0803669	9.75E-12	-0.0047725	0.0147402	0.7461108	0.6959829	5	0.94727701
ENSG00000227191	7	TRGC2	38279181	rs2109364	7	38280817	A	G	0.454274	0.00311533	0.00806894	0.699431	-0.815068	0.0836059	1.86E-22	-0.0038222	0.00990747	0.6996546	0.2949474	19	0.94727701
ENSG00000211688	7	TRGJP2	38295938	rs28609731	7	38317029	G	C	0.463221	0.00302546	0.00806611	0.707599	-0.581953	0.0927514	3.51E-10	-0.0051988	0.0138852	0.708096	0.5249073	9	0.94727701
ENSG00000211689	7	TRGC1	38297480	rs7791112	7	38326943	G	A	0.457256	-6.68E-05	0.00808486	0.993405	-0.580219	0.0984054	3.72E-09	0.00011518	0.0139342	0.993405	0.4430502	3	0.99694205
ENSG00000261019	7	RP11-111K18.2	42940871	rs774089	7	42954083	A	G	0.872763	-0.0083702	0.0162322	0.606098	0.809929	0.133341	1.25E-09	-0.0103344	0.0201136	0.607389	0.3934053	8	0.92780325
ENSG00000241057	7	AC004985.12	44001189	rs4295567	7	44061131	A	G	0.258449	0.0133563	0.00880472	0.12928	0.646003	0.0965365	2.20E-11	0.0206753	0.0139753	0.1390301	0.2685551	6	0.66434762
ENSG00000239556	7	AC004951.5	44024593	rs6463216	7	44102940	A	G	0.232604	0.00788216	0.00869876	0.36487	0.576384	0.102911	2.13E-08	0.0136752	0.0152882	0.3710577	0.2204242	3	0.84538623
ENSG00000122678	7	POLM	44111846	rs141574506	7	44093517	C	T	0.0934394	0.00903592	0.0128378	0.481524	0.595547	0.0979281	1.19E-09	0.0151725	0.0217002	0.4844362	0.377286	4	0.88426028
ENSG00000106624	7	AEBP1	44143960	rs2239614	7	44143124	T	C	0.673956	-0.0024412	0.00868222	0.778574	-0.47831	0.0758125	2.81E-10	0.00510389	0.0181699	0.7787885	0.03050484	3	0.94953271
ENSG00000106628	7	POLD2	44154286	rs137888771	7	44182127	A	T	0.0119284	0.0571982	0.0519478	0.270866	-1.25487	0.165643	3.57E-14	-0.045581	0.0418319	0.2758796	0.8087566	7	0.77954811
ENSG00000272556	7	RP11-638I8.1	45854201	rs3735666	7	45761952	C	A	0.17992	0.0167727	0.0118955	0.15854	-0.451511	0.0782312	7.86E-09	-0.0371479	0.0271208	0.1707742	0.02034492	11	0.67907961
ENSG00000132436	7	FIGNL1	50511831	rs12719056	7	50510076	C	T	0.553678	0.0117065	0.00806703	0.146739	0.530438	0.0581906	7.83E-20	0.0220695	0.0153998	0.1518271	0.08555461	20	0.67014512
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.13022	0.0826548	1.45E-42	0.01157	0.00823527	0.1600428	0.6138833	20	0.67326138
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.690716	0.0888159	7.43E-15	0.0189319	0.0136233	0.1646291	0.538056	12	0.67326138
ENSG00000129103	7	SUMF2	56131695	rs13244654	7	56146956	C	T	0.524851	0.00159887	0.00820036	0.845412	0.543484	0.0763022	1.06E-12	0.00294189	0.0150942	0.8454692	0.8722143	20	0.96559734
ENSG00000185290	7	NUPR1L	56182374	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.93672	0.109516	1.20E-17	0.01396	0.0100177	0.1634594	0.7652849	20	0.67326138
ENSG00000173041	7	ZNF680	63980262	rs6962076	7	64019592	A	G	0.321074	0.00755336	0.00838848	0.367884	-0.347975	0.0590104	3.71E-09	-0.0217066	0.024386	0.3733979	0.3941485	20	0.84582555
ENSG00000196247	7	ZNF107	64126511	rs10949935	7	64189061	C	T	0.835984	-0.0036225	0.0103213	0.725611	-0.4025	0.0729987	3.51E-08	0.0089999	0.0256949	0.7261432	0.6446181	7	0.94727701
ENSG00000197008	7	ZNF138	64254766	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	0.496459	0.071164	3.03E-12	-0.0266062	0.0167195	0.111535	0.9140724	20	0.64481993
ENSG00000213640	7	RP11-797H7.3	64323377	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	-0.860136	0.0781026	3.31E-28	0.0153568	0.00949875	0.1059401	0.8505101	20	0.64481993
ENSG00000152926	7	ZNF117	64432154	rs13235214	7	64516150	T	C	0.482107	-0.0025036	0.00808054	0.756687	0.375253	0.0617411	1.22E-09	-0.0066719	0.0215615	0.7569924	0.7739144	13	0.94873228
ENSG00000213462	7	ERV3-1	64451187	rs13229762	7	64484439	A	G	0.562624	0.00517661	0.00814619	0.525125	-0.800288	0.0726068	2.99E-28	-0.0064684	0.010196	0.525813	0.9904276	20	0.8908562
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-1.00647	0.0818227	8.99E-35	-0.0052067	0.00810505	0.520609	0.917755	20	0.88902293
ENSG00000226002	7	RP11-460N20.5	64544481	rs71562965	7	64572483	G	A	0.397614	-0.0037421	0.00831514	0.652687	0.969615	0.0963426	7.95E-24	-0.0038594	0.00858428	0.6530112	0.3945628	20	0.93515218
ENSG00000164669	7	INTS4L1	64601603	rs6954158	7	64790669	A	G	0.385686	-0.0025199	0.00841892	0.764698	-0.584768	0.0713917	2.59E-16	0.00430926	0.0144066	0.764851	0.1345333	20	0.94953271
ENSG00000241258	7	CRCP	65579591	rs12667122	7	66230529	T	C	0.351889	-0.0167569	0.0088698	0.058864	-0.467492	0.0844201	3.06E-08	0.0358442	0.0200469	0.07377268	0.584261	8	0.61480596
ENSG00000237310	7	GS1-124K5.4	65958693	rs73376394	7	65637681	T	C	0.259443	-0.012815	0.00944145	0.174683	0.632057	0.083578	3.95E-14	-0.0202751	0.0151763	0.1815605	0.4503242	13	0.69422261
ENSG00000226824	7	RP4-756H11.3	66119525	rs3778909	7	66255646	C	G	0.54175	-0.0150754	0.00826534	0.0681632	-1.11811	0.0792372	3.25E-45	0.0134829	0.00745374	0.07046939	0.7891433	20	0.61480596
ENSG00000273142	7	RP11-458F8.4	66367844	rs4717328	7	66352665	C	T	0.282306	-0.0059587	0.00836343	0.47617	-0.430058	0.0621843	4.65E-12	0.0138557	0.0195501	0.4784954	0.00973252	7	0.88426028
ENSG00000198874	7	TYW1	66460160	rs10228812	7	66561114	T	C	0.218688	-0.0171801	0.0109846	0.117815	0.767106	0.117064	5.64E-11	-0.022396	0.0147218	0.1281881	0.4468727	14	0.65842282
ENSG00000106610	7	STAG3L4	66767608	rs17137359	7	66783821	T	C	0.39165	0.00270255	0.00891507	0.761781	-0.772773	0.069006	4.14E-29	-0.0034972	0.0115407	0.7618647	0.2087925	20	0.94873228
ENSG00000196313	7	POM121	72349936	rs11760353	7	72408286	T	G	0.535785	0.00775158	0.00811318	0.339359	-0.28435	0.0417989	1.03E-11	-0.0272607	0.0288124	0.3440748	0.7005787	3	0.8363037
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.727803	0.111963	8.01E-11	-0.0123472	0.0122129	0.31202	0.4180712	16	0.81378166
ENSG00000106638	7	TBL2	72983262	rs190736168	7	73006683	T	C	0.0437376	0.0167943	0.0220039	0.44532	0.979758	0.168267	5.79E-09	0.0171413	0.0226506	0.4491888	0.4175956	3	0.87660683
ENSG00000165171	7	WBSCR27	73248920	rs10225983	7	73258750	A	G	0.725646	0.00539923	0.00869587	0.534668	-1.04515	0.096064	1.44E-27	-0.005166	0.00833375	0.535332	0.3040049	19	0.89853289
ENSG00000196275	7	GTF2IRD2	74210483	rs810366	7	74140925	G	C	0.806163	-0.0368269	0.0104766	0.0004395	-0.776736	0.0826372	5.49E-21	0.0474124	0.0144003	0.00099319	0.3929056	20	0.23243814
ENSG00000123965	7	PMS2P5	74306894	rs2529275	7	74294925	C	T	0.798211	-0.0232974	0.0104219	0.0253898	-1.0151	0.10534	5.61E-22	0.0229508	0.0105395	0.02943558	0.03881654	17	0.48674683
ENSG00000184616	7	AC004166.6	74320406	rs587659729	7	74337546	A	G	0.0238569	0.024132	0.0205982	0.241374	-1.16475	0.165478	1.94E-12	-0.0207186	0.0179279	0.2478204	0.8341005	5	0.75847259
ENSG00000127957	7	PMS2P3	75132254	rs62477719	7	75123237	A	G	0.442346	-0.0140514	0.00805365	0.0810308	0.699279	0.102798	1.03E-11	-0.0200941	0.0118899	0.09102387	0.05709154	8	0.64379887
ENSG00000127952	7	STYXL1	75625656	rs41301427	7	75614557	A	G	0.102386	0.0127895	0.0180336	0.478197	0.850225	0.15265	2.55E-08	0.0150425	0.0213816	0.4817295	0.2365755	6	0.88426028
ENSG00000188372	7	ZP3	76026835	rs2527935	7	76254810	T	C	0.298211	-0.0095262	0.00953525	0.31777	1.05672	0.120689	2.03E-18	-0.0090149	0.00908199	0.3208999	0.7415157	20	0.82332315
ENSG00000243566	7	UPK3B	76139745	rs28538438	7	76132397	G	A	0.406561	0.00070121	0.0080662	0.930726	-0.773586	0.09834	3.65E-15	-0.0009064	0.0104277	0.9307303	0.7279774	20	0.98780575
ENSG00000205485	7	AC004980.7	76178677	rs17718122	7	76209459	G	A	0.300199	-0.0094069	0.00952288	0.32324	0.834293	0.108695	1.65E-14	-0.0112753	0.0115085	0.3272132	0.9494462	6	0.82662182
ENSG00000146707	7	POMZP3	76239303	rs41278779	7	76255061	C	T	0.209742	0.0119927	0.0109203	0.272118	-1.31749	0.118744	1.32E-28	-0.0091027	0.00832922	0.2744544	0.3813274	20	0.77954811
ENSG00000233448	7	PMS2P9	76669261	rs13247472	7	76550299	A	G	0.609344	0.00677765	0.00861648	0.431521	0.591357	0.105717	2.22E-08	0.0114612	0.014714	0.4360221	0.3288604	7	0.8760777
ENSG00000186088	7	GSAP	76940068	rs10953236	7	77046222	T	C	0.652087	-0.0042885	0.00839468	0.609447	0.676119	0.0809654	6.78E-17	-0.0063429	0.0124392	0.6101157	0.3427507	8	0.92780325
ENSG00000214293	7	RSBN1L-AS1	77286977	rs11982427	7	77320798	T	G	0.141153	0.00175261	0.0129736	0.89254	-0.959384	0.110673	4.37E-18	-0.0018268	0.0135245	0.8925533	0.5699398	20	0.97987891
ENSG00000182165	7	TP53TG1	86954541	rs11975766	7	86979342	G	A	0.0228628	0.0510789	0.0356994	0.152486	-0.972849	0.142965	1.01E-11	-0.0525044	0.0374981	0.1614569	0.8738077	4	0.67326138
ENSG00000157214	7	STEAP2	89796904	rs194523	7	89860574	T	A	0.511928	-0.0060254	0.00816496	0.460539	0.263968	0.0458096	8.30E-09	-0.0228263	0.0311843	0.46418	0.8842745	11	0.88426028
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.59853	0.199633	1.17E-15	0.0119332	0.0116902	0.3073559	0.08681623	10	0.80855092
ENSG00000231170	7	AC002451.3	95225994	rs10231573	7	95234886	C	T	0.423459	0.00473724	0.00823563	0.565148	0.585576	0.101293	7.43E-09	0.00808988	0.0141336	0.5670602	0.5181851	4	0.91214319
ENSG00000180535	7	BHLHA15	97840739	rs12670686	7	97708397	G	A	0.499006	-0.0072868	0.00810815	0.368809	-0.740386	0.0944371	4.51E-15	0.00984195	0.011023	0.3719329	0.07730364	20	0.84538623
ENSG00000272950	7	RP11-307C18.1	97952165	rs4729431	7	97937981	A	T	0.429423	0.0137122	0.00806197	0.0889713	-0.741938	0.0997307	1.01E-13	-0.0184816	0.0111465	0.09730376	0.04978352	20	0.64481993
ENSG00000160917	7	CPSF4	99036545	rs917154	7	99020806	G	A	0.167992	0.00594585	0.00966927	0.538606	0.544693	0.0983962	3.10E-08	0.010916	0.017861	0.5410915	0.5545571	6	0.8990588
ENSG00000146833	7	TRIM4	99474581	rs2527906	7	99521698	T	C	0.532803	-0.0001255	0.00821296	0.987807	0.354814	0.0597804	2.93E-09	-0.0003537	0.0231473	0.9878071	0.02579033	3	0.99593757
ENSG00000242294	7	STAG3L5P	99933702	rs113387325	7	99913146	T	G	0.173956	-0.0150587	0.00987171	0.127148	0.943988	0.0851027	1.37E-28	-0.0159522	0.0105559	0.1307333	0.7235936	17	0.65842282
ENSG00000121716	7	PILRB	99933737	rs10085549	7	99983135	T	C	0.177932	-0.0150274	0.00985786	0.127406	0.848966	0.0710953	7.21E-33	-0.0177008	0.0117058	0.1304992	0.6745052	18	0.65842282
ENSG00000085514	7	PILRA	99965153	rs28401739	7	99905684	G	A	0.176938	-0.015127	0.0098686	0.125314	1.08006	0.105974	2.16E-24	-0.0140057	0.00923985	0.1295716	0.6817137	16	0.65842282
ENSG00000078487	7	ZCWPW1	99998449	rs1962269	7	100072767	T	C	0.193837	-0.0193988	0.00960745	0.043472	0.646245	0.0803547	8.81E-16	-0.0300177	0.015328	0.05018725	0.2349432	10	0.58940145
ENSG00000106404	7	CLDN15	100875373	rs10252506	7	100892102	T	C	0.0596421	-0.0077541	0.017081	0.649856	0.584922	0.0940762	5.05E-10	-0.0132567	0.0292799	0.6507237	0.0534859	5	0.93515218
ENSG00000160999	7	SH2B2	101928405	rs2023482	7	101929278	C	T	0.366799	0.00342718	0.00816837	0.674801	0.430002	0.0694173	5.85E-10	0.00797015	0.0190396	0.6755026	0.3124097	3	0.94388572
ENSG00000267368	7	UPK3BL	102277472	rs4729851	7	102351847	T	A	0.714712	0.00767202	0.00884246	0.385595	-0.654252	0.106893	9.32E-10	-0.0117264	0.0136505	0.3903151	0.5273443	7	0.86143514
ENSG00000228049	7	POLR2J2	102277474	rs4729850	7	102343967	G	A	0.898608	0.00072965	0.01403	0.958524	-1.43922	0.160504	3.05E-19	-0.000507	0.0097485	0.9585242	0.8387196	16	0.99296872
ENSG00000170632	7	ARMC10	102715328	rs73410128	7	102693694	C	G	0.125249	0.00023173	0.0143641	0.987129	-0.463937	0.0780505	2.78E-09	-0.0004995	0.0309614	0.9871288	0.00446716	4	0.99593757
ENSG00000241764	7	AC002467.7	107383262	rs12705421	7	107401429	G	A	0.264414	-0.0013015	0.00859522	0.879643	0.680008	0.108057	3.11E-10	-0.001914	0.0126435	0.8796779	0.1342144	4	0.97812135
ENSG00000091140	7	DLD	107531415	rs3213674	7	107564542	T	G	0.44334	-0.0034024	0.00822269	0.679032	0.327795	0.0545737	1.90E-09	-0.0103797	0.0251443	0.6797488	0.9690211	18	0.94554211
ENSG00000177683	7	THAP5	108194987	rs40941	7	108202925	T	C	0.318091	-0.0162377	0.00873597	0.0630667	0.532903	0.0746804	9.62E-13	-0.0304703	0.0169402	0.07206633	0.1842762	10	0.61480596
ENSG00000106013	7	ANKRD7	117854727	rs992035	7	117828003	T	C	0.614314	0.0165396	0.00887936	0.0625029	-0.601631	0.103591	6.33E-09	-0.0274913	0.0154993	0.07611156	0.3286026	9	0.61606353
ENSG00000242593	7	RP5-921G16.1	123672259	rs7802999	7	124044936	C	T	0.241551	-0.0089996	0.00937348	0.336999	-1.06711	0.111745	1.30E-21	0.00843362	0.00882827	0.3394276	0.109488	20	0.83398587
ENSG00000273270	7	RP11-212P7.2	128164070	rs79328924	7	128171280	G	C	0.292247	-0.0115556	0.0089987	0.199092	-0.381701	0.069378	3.76E-08	0.030274	0.0242089	0.2111062	0.3102104	9	0.73142018
ENSG00000230715	7	RP11-274B21.4	128292895	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.41341	0.0520739	2.04E-15	-0.0133055	0.0196789	0.4989574	0.08993401	13	0.88426028
ENSG00000229413	7	AC018638.1	128293740	rs12706856	7	128334351	C	T	0.447316	-0.0035952	0.00809063	0.656783	0.383183	0.0606877	2.72E-10	-0.0093823	0.0211665	0.6575753	0.4939302	7	0.9360722
ENSG00000243679	7	RP11-274B21.3	128294023	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.338613	0.0492789	6.36E-12	-0.0162446	0.024055	0.4994779	0.230443	10	0.88426028
ENSG00000271553	7	RP11-274B21.10	128307097	rs339072	7	128364080	T	G	0.597416	-0.0070067	0.00857844	0.414052	0.440644	0.0741967	2.87E-09	-0.0159011	0.0196512	0.4184192	0.2906354	11	0.8760777
ENSG00000272899	7	RP11-309L24.9	128510821	rs3736611	7	128509243	G	C	0.166998	-0.0022045	0.00975359	0.821187	0.537817	0.0867251	5.60E-10	-0.004099	0.0181476	0.8213038	0.09850998	12	0.95542705
ENSG00000243317	7	C7orf73	135347244	rs3110823	7	135357476	C	A	0.148111	-0.0103812	0.0106274	0.328655	-0.407475	0.0731618	2.55E-08	0.0254769	0.0264792	0.3359758	0.4320778	9	0.83103105
ENSG00000273391	7	RP11-634H22.1	139043778	rs4732379	7	139122814	C	T	0.275348	-0.0057034	0.010726	0.594912	0.594846	0.108949	4.77E-08	-0.0095879	0.0181169	0.5966477	0.4660409	10	0.92181392
ENSG00000228775	7	WEE2-AS1	141404138	rs12703407	7	141482130	T	C	0.466203	-0.0004665	0.00806745	0.953893	0.661351	0.0832487	1.95E-15	-0.0007053	0.0121988	0.9538939	0.8881783	20	0.99296872
ENSG00000127364	7	TAS2R4	141478242	rs12534862	7	141518836	G	A	0.45328	-0.0029284	0.00811139	0.718082	0.938026	0.0864195	1.90E-27	-0.0031219	0.00865208	0.7182313	0.9306518	20	0.94727701
ENSG00000257335	7	MGAM	141607613	rs6962760	7	141465363	C	T	0.472167	-0.0015482	0.0080419	0.847334	-0.524311	0.0897595	5.18E-09	0.0029529	0.0153464	0.8474154	0.9618256	10	0.96559734
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.523677	0.0595766	1.50E-18	-0.0224016	0.0168559	0.1838459	0.8993623	16	0.69741952
ENSG00000181444	7	ZNF467	149461271	rs855674	7	149464546	C	T	0.173956	-0.0027985	0.01179	0.812378	-0.553288	0.0908768	1.14E-09	0.00505789	0.0213252	0.8125176	0.2970292	8	0.95331821
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.644556	0.0740996	3.36E-18	0.00850713	0.0155517	0.5843634	0.2188671	12	0.91214319
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs3857764	7	149561049	G	C	0.62326	-0.0046821	0.00811503	0.563964	0.509546	0.0747771	9.48E-12	-0.0091888	0.015983	0.5653535	0.4859032	13	0.91214319
ENSG00000171130	7	ATP6V0E2	149570057	rs6947011	7	149575725	T	C	0.600398	-0.0032429	0.00807086	0.687827	0.332991	0.0488676	9.48E-12	-0.0097388	0.0242796	0.6883397	0.1413992	10	0.94651419
ENSG00000127399	7	LRRC61	150019728	rs1962004	7	150020381	A	G	0.253479	-0.0084057	0.00915145	0.358353	0.783021	0.0865639	1.49E-19	-0.0107349	0.0117475	0.3608178	0.4396927	18	0.8429066
ENSG00000188707	7	ZBED6CL	150026938	rs1047575	7	150035500	G	C	0.26839	-0.013733	0.00847021	0.104947	-0.884068	0.110781	1.46E-15	0.0155339	0.00977668	0.1120898	0.9300107	16	0.64481993
ENSG00000197150	7	ABCB8	150725510	rs11769256	7	150725972	T	C	0.143141	-0.0119043	0.0117421	0.310671	-0.487523	0.0861759	1.54E-08	0.0244179	0.0244689	0.3183199	0.8468951	8	0.8199023
ENSG00000214106	7	PAXIP1-AS2	154720208	rs4478527	7	154784017	T	G	0.326044	-0.0077013	0.00853669	0.366981	0.513977	0.0823494	4.34E-10	-0.0149838	0.0167817	0.3719302	0.1602632	4	0.84538623
ENSG00000218672	7	AC008060.7	155174771	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.627028	0.0848037	1.43E-13	-0.0037354	0.0130697	0.7750275	0.7192782	12	0.94953271
ENSG00000260426	7	RP5-912I13.1	155192617	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.65447	0.0826166	2.34E-15	-0.0035788	0.0125205	0.7750064	0.48938	13	0.94953271
ENSG00000182648	7	LINC01006	156264890	rs6977459	7	156446045	G	A	0.340954	-0.0086922	0.00830229	0.295117	-0.613469	0.0850858	5.60E-13	0.0141689	0.0136753	0.3001572	0.7847283	17	0.80544615
ENSG00000253982	8	CTD-2336O2.1	1710156	rs6558535	8	1710632	C	T	0.688867	0.0139258	0.00951819	0.143448	0.276059	0.0466238	3.20E-09	0.050445	0.0355158	0.155505	0.5745566	9	0.67326138
ENSG00000036448	8	MYOM2	1993155	rs28718089	8	2076367	G	A	0.44831	0.0157336	0.00811529	0.0525303	0.517128	0.092148	2.00E-08	0.030425	0.0166031	0.06687881	0.9075528	12	0.61480596
ENSG00000253444	8	AC133633.2	2350992	rs58911548	8	2368035	A	C	0.421471	0.0120276	0.00806212	0.135735	-0.585121	0.100361	5.54E-09	-0.0205557	0.0142225	0.1483742	0.8088175	4	0.67014512
ENSG00000271743	8	CTD-2541M15.3	6473125	rs2515557	8	6475113	A	G	0.286282	0.0160601	0.00917855	0.0801623	-0.627581	0.106277	3.52E-09	-0.0255905	0.0152538	0.09341643	0.8381016	12	0.64379887
ENSG00000249898	8	CTD-2541M15.1	6475996	rs11773941	8	6529155	C	T	0.609344	-0.0033292	0.00814902	0.682881	-0.56178	0.0871413	1.14E-10	0.00592607	0.0145348	0.6834822	0.235915	20	0.9461177
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-1.00967	0.0849263	1.35E-32	-0.018422	0.00830303	0.0265069	0.9493985	20	0.47888085
ENSG00000173295	8	FAM86B3P	8086117	rs2980441	8	8095129	C	G	0.487078	0.0128892	0.00823031	0.117333	-0.777779	0.0827632	5.58E-21	-0.0165718	0.0107277	0.1224037	0.2083785	20	0.65842282
ENSG00000233609	8	RP11-62H7.2	8818710	rs28482034	8	8869664	A	G	0.469185	-0.0268295	0.00830822	0.00124108	-0.698556	0.0892885	5.13E-15	0.0384071	0.0128667	0.00283589	0.3594627	20	0.24369595
ENSG00000255020	8	AF131216.5	11203257	rs2736273	8	11199938	A	C	0.519881	0.0144317	0.0082498	0.0802324	0.517718	0.0700921	1.51E-13	0.0278756	0.0163757	0.08870861	0.10259	20	0.64379887
ENSG00000254507	8	RP11-481A20.10	11860909	rs11250186	8	11853596	G	A	0.562624	0.00541365	0.00852282	0.525301	0.716057	0.0850729	3.86E-17	0.00756036	0.0119363	0.5264766	0.06144244	20	0.8908562
ENSG00000227888	8	FAM66A	12219527	rs373463701	8	12148504	C	T	0.510934	0.00354856	0.0106175	0.738215	0.828334	0.0963868	8.41E-18	0.00428397	0.0128276	0.7384055	0.1912195	20	0.94727701
ENSG00000255556	8	RP11-351I21.6	12236188	rs4841580	8	11517977	C	T	0.423459	0.017894	0.00810215	0.0272063	0.653093	0.108015	1.48E-09	0.0273989	0.0132075	0.03803387	0.8289838	20	0.50611661
ENSG00000198791	8	CNOT7	17086737	rs73200936	8	17121711	A	C	0.0656064	0.0185374	0.0160384	0.247757	0.621881	0.0876905	1.32E-12	0.0298086	0.0261304	0.2539689	0.7099898	7	0.76500861
ENSG00000129422	8	MTUS1	17501304	rs4921800	8	17514797	G	A	0.802187	-0.0002742	0.00877814	0.975078	0.372487	0.0630319	3.43E-09	-0.0007362	0.0235666	0.975078	0.9250944	20	0.99593757
ENSG00000078674	8	PCM1	17780349	rs12335048	8	17788261	C	T	0.585487	-0.0152797	0.00823857	0.0636458	-0.457745	0.0685325	2.40E-11	0.0333804	0.0186791	0.07393096	0.1278386	18	0.61480596
ENSG00000147408	8	CSGALNACT1	19261672	rs10888163	8	19315034	T	G	0.431412	-0.0052088	0.00810189	0.520283	0.62562	0.0669639	9.40E-21	-0.0083258	0.0129808	0.5212678	0.9653495	20	0.88902293
ENSG00000158856	8	DMTN	21906506	rs11782192	8	21906403	C	A	0.689861	0.00503825	0.0085906	0.55755	-0.237531	0.0403756	4.03E-09	-0.0212109	0.0363455	0.5594953	0.3581212	5	0.91086573
ENSG00000120910	8	PPP3CC	22298332	rs7431	8	22398462	A	G	0.461233	0.00633252	0.00808948	0.43374	-0.446548	0.0722023	6.22E-10	-0.0141811	0.0182601	0.4373871	0.1808393	8	0.8760777
ENSG00000241852	8	C8orf58	22457114	rs876714	8	22482799	G	A	0.424453	0.00562423	0.00833058	0.499593	0.364292	0.0585693	4.98E-10	0.0154388	0.0230022	0.5021006	0.279188	10	0.88426028
ENSG00000248738	8	RP11-87E22.2	22735485	rs2466177	8	22737971	T	C	0.353877	0.00967976	0.00886402	0.27482	-0.621897	0.0731065	1.79E-17	-0.0155649	0.0143702	0.2787463	0.1834281	16	0.7820888
ENSG00000173535	8	TNFRSF10C	22941868	rs11989235	8	22945600	G	A	0.16004	-0.0201206	0.00969198	0.0378931	0.727483	0.0893798	3.98E-16	-0.0276578	0.0137492	0.04426188	0.1178166	20	0.54580431
ENSG00000147419	8	CCDC25	27590835	rs10097446	8	27625974	C	A	0.530815	0.0213454	0.00805767	0.00807124	-0.288152	0.0511711	1.79E-08	-0.0740769	0.030903	0.01652635	0.1738429	9	0.44186828
ENSG00000134014	8	ELP3	27947190	rs1563055	8	27954465	T	C	0.33996	0.0061604	0.00848195	0.467658	0.496046	0.0608024	3.40E-16	0.012419	0.0171667	0.4694132	0.9871447	18	0.88426028
ENSG00000176209	8	SMIM19	42396298	rs6988493	8	42351328	T	C	0.427435	0.00083906	0.00824585	0.918951	0.464199	0.0617659	5.67E-14	0.00180754	0.0177652	0.9189585	0.7617653	16	0.98087349
ENSG00000034239	8	EFCAB1	49623348	rs3750259	8	49647910	A	C	0.605368	0.00063178	0.00828332	0.939203	-0.74969	0.0638708	8.18E-32	-0.0008427	0.0110492	0.9392041	0.719295	20	0.99087277
ENSG00000251396	8	RP11-163N6.2	61297147	rs10092773	8	61331387	A	G	0.548708	0.0194922	0.00815438	0.0168302	-0.472819	0.0764314	6.16E-10	-0.0412255	0.0184891	0.02576581	0.5909759	8	0.47366505
ENSG00000137563	8	GGH	63927638	rs11990678	8	63945773	C	T	0.0924453	0.0157813	0.016968	0.352338	0.838509	0.126489	3.38E-11	0.0188207	0.0204341	0.3570287	0.8108776	20	0.8429066
ENSG00000254081	8	CTD-3025N20.2	66439243	rs13280521	8	66661074	A	G	0.537773	0.0152238	0.00810424	0.0603143	0.566719	0.0793994	9.50E-13	0.026863	0.0147873	0.06927289	0.07036148	20	0.61480596
ENSG00000272010	8	CTD-3025N20.3	66504085	rs34851482	8	66518462	A	G	0.316103	-0.0138801	0.00907985	0.126346	-0.542483	0.0867694	4.05E-10	0.0255862	0.0172306	0.1375631	0.9913857	5	0.66434762
ENSG00000104442	8	ARMC1	66514694	rs60786812	8	66482349	G	T	0.390656	-0.0129048	0.00865959	0.136164	0.410341	0.0571714	7.11E-13	-0.031449	0.0215535	0.144534	0.8847365	11	0.66790255
ENSG00000147576	8	ADHFE1	67342420	rs2555568	8	67362864	G	A	0.489066	-0.0026137	0.00807303	0.746122	0.30332	0.0404949	6.87E-14	-0.0086169	0.0266404	0.7463516	0.5736496	20	0.94727701
ENSG00000147592	8	LACTB2	71547553	rs13271606	8	71741723	G	T	0.611332	-0.0165934	0.008127	0.0411756	0.414261	0.0705203	4.25E-09	-0.0400554	0.0207693	0.05378185	0.3371752	12	0.59280218
ENSG00000221947	8	XKR9	71581600	rs13271442	8	71585169	C	T	0.516899	-0.0152521	0.00805428	0.0582707	0.886234	0.0857566	4.93E-25	-0.01721	0.00923953	0.0625114	0.2530507	9	0.60756154
ENSG00000254352	8	RP11-578O24.2	79636031	rs4739134	8	79556148	C	T	0.713718	0.0111686	0.00910975	0.220199	0.768538	0.117884	7.06E-11	0.0145323	0.0120611	0.2282476	0.2517924	6	0.73598765
ENSG00000104497	8	SNX16	82711816	rs1597755	8	82777939	C	T	0.266402	-0.0055805	0.00830349	0.501539	-0.470172	0.0726913	9.93E-11	0.0118691	0.0177556	0.5038334	0.05457601	7	0.88426028
ENSG00000176623	8	RMDN1	87480486	rs4961193	8	87486168	C	T	0.27833	0.015466	0.00916869	0.0916368	0.347185	0.0462813	6.30E-14	0.0445469	0.0270681	0.09981847	0.5116791	10	0.64481993
ENSG00000164823	8	OSGIN2	90914087	rs447989	8	90860803	G	A	0.695825	-0.0045911	0.00866068	0.596034	0.547812	0.095076	8.32E-09	-0.0083809	0.0158764	0.5975801	0.1759593	11	0.92181392
ENSG00000174226	8	SNX31	101585116	rs1693560	8	101680292	G	A	0.469185	-0.0028437	0.00813132	0.726549	0.673312	0.0979302	6.18E-12	-0.0042234	0.0120922	0.7268883	0.7901469	10	0.94727701
ENSG00000271830	8	RP11-1C8.7	104493494	rs35667758	8	104508704	T	A	0.38668	0.0104774	0.00810571	0.196149	0.619686	0.0820544	4.28E-14	0.0169076	0.0132706	0.2026393	0.8039461	15	0.72037358
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.25399	0.127371	7.19E-23	-0.0043068	0.00772613	0.5772299	0.4813122	15	0.91214319
ENSG00000172167	8	MTBP	121457640	rs6982091	8	121546802	A	G	0.313121	0.0131444	0.00854017	0.123773	0.377678	0.068931	4.28E-08	0.0348032	0.0234875	0.1384008	0.6593079	5	0.66434762
ENSG00000156787	8	TBC1D31	124054208	rs75096144	8	124131225	T	C	0.114314	-0.0077454	0.0107651	0.471838	0.899402	0.14592	7.11E-10	-0.0086118	0.0120504	0.4748297	0.00587173	12	0.88426028
ENSG00000156795	8	WDYHV1	124428965	rs3779988	8	124473085	A	G	0.586481	-0.0050901	0.0081724	0.533386	0.560008	0.0803136	3.11E-12	-0.0090894	0.0146515	0.5350117	0.4397155	9	0.89853289
ENSG00000259820	8	AC083843.1	135804263	rs737196	8	135847442	C	T	0.372763	0.00369799	0.00846404	0.66218	-0.325875	0.0576563	1.59E-08	-0.0113479	0.0260508	0.6631223	0.5739888	3	0.93787835
ENSG00000253288	8	RP11-238K6.1	138821687	rs7018121	8	138868918	T	C	0.230616	-0.0060341	0.00996942	0.545006	-0.496788	0.0882047	1.78E-08	0.0121462	0.0201833	0.5473106	0.7118353	3	0.90363499
ENSG00000169398	8	PTK2	141667999	rs1850436	8	141674370	C	T	0.518887	0.0148849	0.00813265	0.0672094	0.33615	0.0548884	9.11E-10	0.0442805	0.0252508	0.07949449	0.6109695	20	0.62558233
ENSG00000253210	8	RP11-809O17.1	142136143	rs6578152	8	142139251	C	T	0.462227	0.00038136	0.0081648	0.962746	-0.614424	0.0891099	5.38E-12	-0.0006207	0.0132888	0.9627468	0.5934738	8	0.99296872
ENSG00000261693	8	RP13-467H17.1	143485013	rs62511434	8	143498381	C	T	0.838966	-0.0051697	0.0110989	0.641375	0.836321	0.14187	3.75E-09	-0.0061814	0.0133125	0.642409	0.8894819	6	0.93485806
ENSG00000160886	8	LY6K	143781529	rs4736323	8	143830359	T	C	0.307157	-0.0229119	0.00837819	0.00624367	0.795419	0.112255	1.38E-12	-0.0288048	0.0112903	0.01073241	0.1657493	14	0.41519696
ENSG00000253741	8	CTD-2292P10.4	143783670	rs2717602	8	143805683	A	G	0.456262	0.00407243	0.00813769	0.616764	-0.616526	0.0776703	2.06E-15	-0.0066055	0.0132255	0.6174632	0.02580479	20	0.92780325
ENSG00000130193	8	THEM6	143808621	rs2585136	8	143812141	G	A	0.456262	0.00285134	0.00813846	0.726074	-0.431493	0.0552664	5.83E-15	-0.0066081	0.0188801	0.7263375	0.01359818	18	0.94727701
ENSG00000180155	8	LYNX1	143845752	rs13362	8	143852964	G	C	0.266402	-0.0267723	0.00890137	0.00263263	0.326739	0.047973	9.70E-12	-0.0819379	0.0297811	0.00593527	0.6601033	9	0.33457971
ENSG00000247317	8	RP11-273G15.2	144063155	rs4483136	8	144104313	C	T	0.333996	-0.0202738	0.00826181	0.0141309	0.362746	0.0610672	2.85E-09	-0.0558898	0.0246427	0.02332869	0.3070275	11	0.45306928
ENSG00000253716	8	RP13-582O9.5	144362331	rs7388117	8	144361957	A	C	0.485089	0.00196807	0.00809101	0.807819	-0.702772	0.0783488	2.97E-19	-0.0028004	0.0115172	0.8078875	0.7791692	19	0.95331821
ENSG00000185730	8	ZNF696	144371846	rs35096181	8	144409934	A	C	0.766402	0.010169	0.010178	0.317736	-0.449558	0.0803153	2.18E-08	-0.02262	0.0229979	0.325327	0.4281656	7	0.82362657
ENSG00000104518	8	GSDMD	144635377	rs392131	8	144572758	C	T	0.255467	-0.0059957	0.00876455	0.493919	-0.382327	0.0522727	2.59E-13	0.0156822	0.0230243	0.4957981	0.6020916	14	0.88426028
ENSG00000255050	8	RP11-661A12.9	144655660	rs1809148	8	144663075	A	G	0.130219	-0.0026056	0.0111614	0.815411	-0.845331	0.141768	2.48E-09	0.00308239	0.0132137	0.81555	0.8506463	3	0.95331821
ENSG00000147813	8	NAPRT1	144656955	rs10282929	8	144681777	T	G	0.799205	-0.0007696	0.00974138	0.93703	0.983385	0.0937855	1.01E-25	-0.0007826	0.00990625	0.9370316	0.5409908	20	0.99029499
ENSG00000180921	8	FAM83H	144806103	rs12541792	8	144852879	A	G	0.552684	0.00056554	0.00809104	0.944276	-0.535675	0.0711495	5.12E-14	-0.0010557	0.015105	0.9442784	0.4094961	12	0.99151745

ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	1.38073	0.12403	8.74E-29	-0.0073699	0.0107767	0.4940565	0.7852249	9	0.88426028
ENSG00000071894	8	CPSF1	145618444	rs34247131	8	145613959	C	T	0.570577	-0.0012562	0.00807028	0.876299	0.787572	0.0677021	2.80E-31	-0.0015951	0.010248	0.87631	0.7331471	16	0.97812135
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	1.2041	0.128308	6.33E-21	0.0103357	0.0145688	0.4780518	0.01962857	9	0.88426028
ENSG00000196922	8	ZNF252P	146198975	rs73383005	8	146205474	G	A	0.0994036	-0.0060452	0.0120691	0.616453	0.960829	0.122471	4.32E-15	-0.0062917	0.0125867	0.6171698	0.6339641	17	0.92780325
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407064	9	47303	G	A	0.45825	-0.0026519	0.0084702	0.754213	-0.779338	0.0927324	4.31E-17	0.0034028	0.010876	0.7543776	0.4675335	7	0.94873228
ENSG00000227917	9	RP11-143M1.3	100804	rs9407064	9	47303	G	A	0.45825	-0.0026519	0.0084702	0.754213	0.583491	0.105028	2.77E-08	-0.0045449	0.0145395	0.7545896	0.4118027	4	0.94873228
ENSG00000172785	9	CBWD1	121041	rs3008143	9	193737	T	C	0.619284	0.00110801	0.00824952	0.893156	-0.731129	0.0881939	1.13E-16	-0.0015155	0.0112847	0.8931698	0.2037253	20	0.97987891
ENSG00000107099	9	DOCK8	214854	rs10491693	9	327365	C	T	0.412525	0.00589618	0.00807293	0.465167	0.423214	0.0770776	4.00E-08	0.0139319	0.0192433	0.4690735	0.4017145	6	0.88426028
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	0.970068	0.144485	1.89E-11	-0.0005973	0.0113898	0.9581798	0.6652438	7	0.99296872
ENSG00000235448	9	RP11-3L8.3	12700100	rs9298679	9	12669346	A	G	0.774354	0.00308904	0.00982216	0.753144	0.579386	0.10169	1.22E-08	0.00533158	0.0169785	0.7535066	0.8420623	12	0.94873228
ENSG00000215237	9	RP11-54D18.2	14993310	rs1916312	9	15019786	G	A	0.5	-0.0063612	0.00808146	0.431205	0.96742	0.0795582	5.08E-34	-0.0065754	0.0083711	0.4321679	0.5008603	20	0.8760777
ENSG00000164989	9	CCDC171	15552895	rs36197458	9	15790809	A	G	0.477137	-0.0184044	0.00808255	0.0227835	-0.537233	0.0806132	2.66E-11	0.0342578	0.0158987	0.03118156	0.4116486	20	0.49768191
ENSG00000261402	9	RP11-378I6.1	19926092	rs10811277	9	19896957	G	C	0.611332	-0.0039045	0.00818378	0.633293	-0.499114	0.0696618	7.79E-13	0.00782278	0.0164329	0.6340436	0.7805002	13	0.93077978
ENSG00000241043	9	GVQW1	32566787	rs673710	9	32564173	G	T	0.456262	0.00105343	0.00829122	0.898898	-0.517307	0.0783316	4.00E-11	-0.0020364	0.0160306	0.8989165	0.5953464	13	0.97987891
ENSG00000165269	9	AQP7	33384765	rs17251987	9	33388289	T	C	0.10338	-0.0005981	0.0119204	0.959981	1.35642	0.15944	1.78E-17	-0.000441	0.00878829	0.9599815	0.4525657	10	0.99296872
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.497156	0.0698133	1.07E-12	-0.0011292	0.0185445	0.9514476	0.6816012	5	0.99296872
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.53083	0.183605	7.58E-17	0.0201146	0.0104178	0.05350734	0.05963867	20	0.59280218
ENSG00000164978	9	NUDT2	34329504	rs10971956	9	34151280	T	G	0.60338	-0.0106251	0.00845424	0.208832	0.511572	0.0566233	1.65E-19	-0.0207695	0.0166851	0.2132083	0.3401959	16	0.7320182
ENSG00000205143	9	ARID3C	34621376	rs10814130	9	34637991	A	C	0.148111	0.0132436	0.0123716	0.284402	0.831088	0.120692	5.74E-12	0.0159353	0.0150648	0.2901564	0.123018	9	0.79609866
ENSG00000230074	9	RP11-195F19.9	34665662	rs1106069	9	34687033	T	C	0.196819	-0.0137621	0.0124192	0.267806	-0.900046	0.13763	6.17E-11	0.0152904	0.0139951	0.2745885	0.1205724	12	0.77954811
ENSG00000198467	9	TPM2	35681989	rs13291033	9	35690530	A	T	0.275348	0.0154202	0.00937714	0.100083	-0.50126	0.0782754	1.52E-10	-0.0307629	0.0193141	0.1112121	0.9678298	8	0.64481993
ENSG00000137103	9	TMEM8B	35814448	rs7022281	9	35851048	T	C	0.60835	-0.012711	0.0081403	0.11841	-0.455466	0.0635912	7.93E-13	0.0279077	0.0182923	0.1270959	0.4246349	18	0.65842282
ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.1322	0.122811	3.00E-20	-0.0010031	0.00925095	0.9136529	0.09118024	9	0.97987891
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.690211	0.102231	1.46E-11	0.0213277	0.014751	0.1482207	0.7379274	5	0.67014512
ENSG00000106733	9	NMRK1	77675489	rs10869500	9	77707695	T	A	0.366799	-0.0057783	0.00889866	0.516118	-1.15277	0.0844881	2.19E-42	0.00501251	0.00772811	0.5165921	0.1223998	20	0.88902293
ENSG00000165121	9	RP11-213G2.3	88430881	rs527269275	9	88420603	T	C	0.215706	-0.0013414	0.00966999	0.889676	-0.416667	0.0716936	6.18E-09	0.00321929	0.0232146	0.8897068	0.32337	16	0.97987891
ENSG00000226237	9	RP11-276H19.1	89563614	rs1927078	9	89612574	C	T	0.728628	0.0030829	0.00911435	0.735177	0.693699	0.125081	2.92E-08	0.00444415	0.0131632	0.73565	0.3852731	3	0.94727701
ENSG00000234537	9	RP11-100G15.7	94894680	rs11787600	9	94888482	A	G	0.326044	-0.007042	0.00840021	0.401852	0.62328	0.096573	1.09E-10	-0.0112984	0.0135906	0.4057853	0.8775553	9	0.86982438
ENSG00000188312	9	CENPP	95087766	rs10992314	9	95117419	T	C	0.175944	-0.0138549	0.0117778	0.239453	0.828157	0.0939295	1.18E-18	-0.0167298	0.0143477	0.2436045	0.7728535	20	0.75324972
ENSG00000165233	9	C9orf89	95858500	rs7032929	9	95870524	T	C	0.971173	0.0156174	0.0199742	0.434287	0.721347	0.131345	3.97E-08	0.0216503	0.0279694	0.4388874	0.3882474	6	0.8760777
ENSG00000227603	9	RP11-165J3.6	96197614	rs7025805	9	96243745	G	A	0.127237	0.0138075	0.0117165	0.23861	0.875687	0.120564	3.78E-13	0.0157676	0.0135547	0.2447263	0.3392004	14	0.75393686
ENSG00000175611	9	LINC00476	98521513	rs591486	9	98650046	G	A	0.440358	0.0144771	0.00808156	0.0732335	0.776619	0.0909351	1.34E-17	0.0186412	0.0106325	0.07956398	0.6365399	20	0.62558233
ENSG00000224848	9	RP11-535M15.1	99449338	rs76481767	9	99468996	A	C	0.128231	0.0179663	0.0119208	0.131774	-1.151	0.151891	3.52E-14	-0.0156093	0.0105598	0.139358	0.01031269	5	0.66434762
ENSG00000228376	9	RP11-520B13.4	99837953	rs7869959	9	99983513	T	C	0.503976	-0.0084459	0.00811335	0.297882	0.792625	0.0788703	9.21E-24	-0.0106556	0.0102908	0.3004604	0.09724562	17	0.80544615
ENSG00000228038	9	VN1R51P	99855976	rs10817265	9	99992220	C	T	0.511928	-0.003372	0.00807849	0.676385	0.455171	0.0794791	1.02E-08	-0.0074081	0.0177953	0.6771937	0.5510338	4	0.9449103
ENSG00000159712	9	ANKRD18CP	99918852	rs3747489	9	100137174	T	G	0.390656	0.0126862	0.00834584	0.128494	-0.718561	0.0815501	1.24E-18	-0.017655	0.0117862	0.1341498	0.02345498	16	0.66377984
ENSG00000203279	9	RP11-498P14.5	99962757	rs10435867	9	100107635	T	C	0.488072	0.00921653	0.00807969	0.253994	-0.896722	0.105408	1.78E-17	-0.010278	0.00909089	0.2582298	0.22129	10	0.7719506
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.680513	0.0647293	7.51E-26	0.00131043	0.011912	0.9124016	0.4960595	19	0.97987891
ENSG00000095383	9	TBC1D2	100961311	rs3739664	9	100979345	C	T	0.565606	0.0133201	0.00814455	0.101952	0.408297	0.057543	1.29E-12	0.0326236	0.0204706	0.1110086	0.1170366	17	0.64481993
ENSG00000136824	9	SMC2	106856541	rs10761010	9	106858788	A	G	0.576541	0.00474382	0.00830139	0.567695	-0.651667	0.065707	3.48E-23	-0.0072795	0.0127598	0.5683368	0.9401091	20	0.91214319
ENSG00000136783	9	NIPSNAP3A	107509969	rs10512333	9	107512604	C	A	0.191849	-0.0125907	0.00976125	0.197096	-0.529557	0.0768941	5.70E-12	0.0237759	0.0187534	0.2048622	0.8171791	20	0.72293997
ENSG00000106853	9	PTGR1	114312002	rs41279069	9	114361707	C	G	0.156064	-0.0054721	0.0110173	0.619414	-0.55884	0.0978418	1.12E-08	0.00979191	0.019789	0.62073	0.01406126	8	0.92780325
ENSG00000204173	9	LRRC37A5P	114353872	rs2065100	9	114393246	C	T	0.276342	0.024031	0.00842944	0.00436044	-0.757196	0.0916298	1.41E-16	-0.0317368	0.0117763	0.00703935	0.00049328	16	0.36549031
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.463048	0.063567	3.23E-13	-0.0021163	0.0192129	0.9122898	0.2526195	20	0.97987891
ENSG00000259953	9	RP11-4O1.2	114794835	rs6477885	9	114945738	A	G	0.327038	0.0046811	0.00816399	0.566385	-0.391673	0.0585589	2.25E-11	-0.0119516	0.0209203	0.5678041	0.618211	6	0.91214319
ENSG00000106868	9	SUSD1	114803065	rs12344169	9	114937689	C	T	0.327038	0.00273349	0.008164	0.73776	-0.406156	0.0478703	2.17E-17	-0.0067302	0.0201163	0.7379555	0.3545884	12	0.94727701
ENSG00000176386	9	CDC26	116018115	rs10817475	9	116059054	G	A	0.274354	-0.0036704	0.00887798	0.679294	-0.468957	0.0798829	4.34E-09	0.00782671	0.0189782	0.6800427	0.6625727	14	0.94554211
ENSG00000119411	9	BSPRY	116111821	rs7025371	9	116085822	G	A	0.563618	-0.0035799	0.00806612	0.657172	0.550177	0.099793	3.52E-08	-0.0065069	0.0147084	0.6582065	0.7551027	6	0.93617585
ENSG00000136883	9	KIF12	116848406	rs12338362	9	116864326	C	T	0.260437	-0.0053442	0.00969813	0.581595	-0.36583	0.0659136	2.85E-08	0.0146085	0.0266403	0.5834451	0.3372149	5	0.91214319
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.16655	0.0836867	3.65E-44	-0.0075694	0.00701723	0.2807259	0.4690878	20	0.78348136
ENSG00000197958	9	RPL12	130209953	rs2253669	9	130230514	G	A	0.637177	0.00842949	0.00860714	0.327402	0.326953	0.0390753	5.90E-17	0.025782	0.026505	0.3306926	0.4855241	14	0.83103105
ENSG00000136908	9	DPM2	130697378	rs11789803	9	130706128	G	A	0.872763	0.00992609	0.0134412	0.460221	-0.627229	0.107868	6.07E-09	-0.0158253	0.0216016	0.4638037	0.1507897	8	0.88426028
ENSG00000136811	9	ODF2	131217465	rs10819396	9	131300931	T	C	0.732604	-0.0001823	0.0093018	0.984366	-0.502222	0.0872393	8.57E-09	0.00036294	0.0185214	0.984366	0.137717	4	0.99593757
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.46715	0.160119	5.05E-20	0.00922401	0.0100471	0.358578	0.03102517	20	0.8429066
ENSG00000204055	9	RP11-247A12.2	131939050	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.07897	0.169807	2.10E-10	0.0125425	0.0137355	0.3611671	0.4861663	3	0.8429066
ENSG00000125485	9	DDX31	135468384	rs62576216	9	135584299	A	G	0.196819	-0.0037887	0.0095361	0.691143	0.617823	0.102328	1.56E-09	-0.0061324	0.0154684	0.6917757	0.6804674	6	0.94651419
ENSG00000165695	9	AK8	135600965	rs370741	9	135694140	T	C	0.582505	-0.0005355	0.00808205	0.947177	0.668635	0.0903745	1.38E-13	-0.0008008	0.0120879	0.9471794	0.5343019	20	0.99296872
ENSG00000165699	9	TSC1	135766735	rs7858160	9	135796182	T	C	0.143141	-0.010417	0.0123331	0.398313	-0.363392	0.0661343	3.91E-08	0.028666	0.0343375	0.4038122	0.5546733	4	0.86982438
ENSG00000175164	9	ABO	136125788	rs8176741	9	136131461	A	G	0.084493	-0.0155341	0.01183	0.189145	1.09425	0.157107	3.28E-12	-0.0141961	0.0110015	0.1969192	0.2741461	13	0.71320307
ENSG00000148290	9	SURF1	136218610	rs2073932	9	136305439	G	A	0.578529	-0.0069116	0.00843074	0.412326	0.585216	0.0657746	5.72E-19	-0.0118103	0.0144672	0.4143006	0.4133869	20	0.8760777
ENSG00000148300	9	REXO4	136271186	rs2285486	9	136277480	A	G	0.392644	-0.0099428	0.00807888	0.218431	-0.427961	0.0653778	5.91E-11	0.0232329	0.0192084	0.2264636	0.312571	11	0.73598765
ENSG00000225756	9	DBH-AS1	136519708	rs2097629	9	136519700	G	A	0.409543	0.0184435	0.00840488	0.0282079	-0.48016	0.0691892	3.93E-12	-0.0384112	0.0183586	0.03641393	0.6406533	4	0.50611661
ENSG00000196363	9	WDR5	137000487	rs28637447	9	136997967	T	C	0.419483	-0.0098373	0.0082487	0.233033	0.433229	0.0668167	8.94E-11	-0.0227068	0.0193594	0.2408327	0.5610718	10	0.75065232
ENSG00000224682	9	SOCS5P2	138339292	rs10858106	9	138332424	A	G	0.787276	0.00997198	0.0107482	0.353519	0.7746	0.125651	7.06E-10	0.0128737	0.0140321	0.3589072	0.4903682	6	0.8429066
ENSG00000160349	9	LCN1	138413284	rs56239374	9	138415201	G	C	0.429423	0.00418798	0.00812191	0.606107	0.887565	0.0953695	1.32E-20	0.00471851	0.00916481	0.6066577	0.5497129	7	0.92780325
ENSG00000122136	9	OBP2A	138437985	rs432243	9	138430098	T	G	0.722664	-0.0040911	0.00888322	0.645131	-0.837408	0.118034	1.30E-12	0.00488538	0.0106303	0.6458244	0.2773654	5	0.93485806
ENSG00000107147	9	KCNT1	138594031	rs11103189	9	138679863	G	A	0.228628	-0.0173958	0.0109026	0.110588	-0.316373	0.0496327	1.84E-10	0.0549851	0.0355244	0.1216678	0.3428869	20	0.65842282
ENSG00000213221	9	DNLZ	139253932	rs57052773	9	139385701	C	T	0.0367793	-0.0061314	0.0188263	0.744665	1.48306	0.187464	2.55E-15	-0.0041343	0.012705	0.7448734	0.4362883	6	0.94727701
ENSG00000148384	9	INPP5E	139323071	rs10735662	9	139327869	T	A	0.415507	-0.0013714	0.00851724	0.872085	-0.341723	0.0505107	1.33E-11	0.00401307	0.0249315	0.8721215	0.3646696	19	0.97703206
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-1.02817	0.0986335	1.92E-25	-0.0079698	0.0154916	0.6069328	0.09179579	6	0.92780325
ENSG00000177984	9	LCN15	139654086	rs11145876	9	139663458	G	A	0.770378	-0.0153388	0.00872395	0.0787082	-0.954028	0.0953449	1.43E-23	0.0160779	0.00928443	0.08332541	0.5851707	20	0.64379887
ENSG00000228544	9	KIAA1984-AS1	139698379	rs2811794	9	139700194	C	A	0.802187	0.00284849	0.0109772	0.795256	-0.58571	0.103304	1.43E-08	-0.0048633	0.0187613	0.7954654	0.2821841	3	0.95044568
ENSG00000184925	9	LCN12	139844003	rs11789276	9	139864107	C	T	0.263419	0.00264712	0.00906687	0.770321	-0.432713	0.0663577	6.99E-11	-0.0061175	0.0209745	0.7705443	0.8356315	20	0.94953271
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-1.20978	0.217038	2.49E-08	-0.0029589	0.0193843	0.8786778	0.7561013	4	0.97812135
ENSG00000268996	9	AL807752.1	139980807	rs10118245	9	139979592	T	C	0.32505	0.00098819	0.00853763	0.907855	0.546722	0.0626604	2.66E-18	0.00180747	0.0156174	0.9078629	0.6839257	11	0.97987891
ENSG00000176978	9	DPP7	140004994	rs13631	9	140006202	A	G	0.394632	-0.0034121	0.0082857	0.680486	-0.31763	0.0522251	1.19E-09	0.0107422	0.0261457	0.6811749	0.7471206	9	0.9461177
ENSG00000188986	9	NELFB	140149625	rs9330201	9	140142299	T	C	0.717694	-0.005977	0.00877902	0.495979	0.339392	0.0581184	5.23E-09	-0.017611	0.0260421	0.4988822	0.1355473	5	0.88426028
ENSG00000130653	9	PNPLA7	140354404	rs2254149	9	140441177	G	A	0.456262	0.00310473	0.00833949	0.709674	0.335697	0.0569084	3.66E-09	0.00924861	0.0248917	0.7102255	0.00119927	3	0.94727701
ENSG00000148408	9	CACNA1B	140772241	rs12001881	9	141014140	C	G	0.385686	-0.0061427	0.00916197	0.502566	0.153552	0.0280993	4.64E-08	-0.0400041	0.0601143	0.5057516	0.8943604	4	0.88426028
ENSG00000159247	9	TUBBP5	141044565	rs11515615	9	141060559	A	G	0.452286	0.00080903	0.00836349	0.922938	-0.479354	0.0741949	1.04E-10	-0.0016878	0.0174494	0.9229462	0.7141374	14	0.98275205
ENSG00000107959	10	PITRM1	3179920	rs76088740	10	3193412	T	C	0.0447316	0.0123085	0.0179728	0.493445	-1.25895	0.192332	5.92E-11	-0.0097768	0.0143539	0.4957939	0.7582489	20	0.88426028
ENSG00000237399	10	PITRM1-AS1	3183824	rs7898290	10	3188812	C	G	0.658052	-0.0002183	0.00847057	0.979437	-0.623291	0.0909111	7.08E-12	0.00035027	0.0135902	0.9794376	0.9987498	20	0.99593757
ENSG00000151632	10	AKR1C2	5029967	rs67362530	10	5043504	A	G	0.131213	-0.0031119	0.0120072	0.795503	1.23913	0.138056	2.82E-19	-0.0025114	0.00969406	0.7955865	0.5699391	10	0.95044568
ENSG00000176236	10	C10orf111	15137384	rs7897780	10	15141845	C	T	0.200795	0.0018196	0.010008	0.855728	-0.69897	0.11487	1.17E-09	-0.0026033	0.0143246	0.8557919	0.6334821	8	0.97038932
ENSG00000226083	10	SLC39A12-AS1	18290715	rs11012783	10	18425418	G	A	0.420477	-0.0124368	0.00811649	0.125452	0.564681	0.0812972	3.76E-12	-0.0220245	0.0147192	0.1345727	0.7179481	9	0.66377984
ENSG00000241058	10	NSUN6	18834490	rs7071897	10	18933802	A	G	0.537773	-0.0090923	0.00805408	0.258936	0.404517	0.068831	4.18E-09	-0.022477	0.0202744	0.2675855	0.0364836	20	0.77373906
ENSG00000233200	10	RP11-324I22.2	35508822	rs1362999	10	35752550	C	T	0.349901	0.00184	0.0087935	0.834257	0.649818	0.0987027	4.59E-11	0.00283156	0.0135391	0.8343391	0.9709551	13	0.95954475
ENSG00000271335	10	RP11-324I22.4	35603480	rs2474528	10	35664456	G	A	0.360835	0.00153019	0.00876768	0.861452	0.467708	0.0701684	2.64E-11	0.00327168	0.0187525	0.8614989	0.9822596	15	0.97305269
ENSG00000215146	10	RP11-313J2.1	42827314	rs56659317	10	42838399	A	G	0.586481	0.018125	0.00828981	0.0287852	0.854253	0.0834299	1.32E-24	0.0212174	0.00992294	0.03249934	0.7734725	20	0.49768191
ENSG00000182632	10	CCNYL2	42903616	rs2466482	10	42860042	A	G	0.234592	0.0123101	0.00944965	0.192676	0.612079	0.107932	1.42E-08	0.0201119	0.0158407	0.2042143	0.5856812	18	0.72293997
ENSG00000185904	10	LINC00839	42970991	rs1255403	10	42977729	G	A	0.622266	0.0021196	0.00857563	0.80478	-0.770467	0.110137	2.64E-12	-0.0027511	0.0111374	0.8048994	0.064432	20	0.95331821
ENSG00000169826	10	CSGALNACT2	43633934	rs10793422	10	43703874	A	G	0.171968	0.00866591	0.0101665	0.393992	0.783921	0.070379	8.14E-29	0.0110546	0.0130067	0.3953732	0.08643005	19	0.86386636
ENSG00000172661	10	FAM21C	46222648	rs199859824	10	46284412	A	G	0.180915	-0.0013632	0.0110017	0.901386	-0.698825	0.120908	7.48E-09	0.00195073	0.0157468	0.9014091	0.3098937	7	0.97987891
ENSG00000188234	10	AGAP4	46321042	rs11239565	10	46070771	T	C	0.23161	0.00102126	0.0100871	0.919357	-0.68524	0.115992	3.47E-09	-0.0014904	0.0147227	0.9193684	0.5683603	20	0.98087349
ENSG00000251079	10	BMS1P2	47228366	rs150648084	10	49205171	C	T	0.7833	0.0277651	0.0106133	0.00889529	0.732798	0.121018	1.40E-09	0.0378892	0.0157771	0.01632688	0.02474765	3	0.44186828
ENSG00000204152	10	TIMM23B	51371390	rs147927137	10	51770478	T	C	0.143141	0.00292012	0.00962858	0.761679	0.649975	0.0871869	8.99E-14	0.00449267	0.014826	0.7618703	0.7409204	15	0.94873228
ENSG00000204149	10	AGAP6	51748078	rs147927137	10	51770478	T	C	0.143141	0.00292012	0.00962858	0.761679	-0.390769	0.0697286	2.09E-08	-0.0074728	0.0246761	0.762017	0.7233547	9	0.94873228
ENSG00000188611	10	ASAH2	51942538	rs1133222	10	52516665	T	C	0.750497	0.00178985	0.00851157	0.833446	0.920269	0.0768335	4.66E-33	0.00194492	0.00925043	0.833471	0.3738954	20	0.95954475
ENSG00000204147	10	ASAH2B	52499078	rs61857104	10	52472802	C	T	0.257455	0.00618734	0.00934582	0.507943	-0.296499	0.0502018	3.50E-09	-0.020868	0.031718	0.5105876	0.8192339	6	0.88445069
ENSG00000185532	10	PRKG1	52750945	rs7893773	10	52916173	T	C	0.501988	-0.0179278	0.00808349	0.0265662	-0.447399	0.0655244	8.61E-12	0.0400712	0.018997	0.03491475	0.8189879	12	0.49917972
ENSG00000183346	10	C10orf107	63422719	rs12781756	10	63438614	G	A	0.0854871	-0.0190748	0.0112918	0.0911696	1.10267	0.116931	4.10E-21	-0.0172987	0.0104034	0.09635388	0.3768655	9	0.64481993
ENSG00000108187	10	PBLD	70042417	rs78041174	10	70038771	A	G	0.198807	-0.0056364	0.00909113	0.535266	0.408065	0.0583622	2.71E-12	-0.0138125	0.022366	0.536863	0.477536	20	0.8989244
ENSG00000138346	10	DNA2	70173821	rs61856469	10	70245489	G	T	0.0586481	-0.0290938	0.0163107	0.0744681	-0.800901	0.133262	1.86E-09	0.0363263	0.0212435	0.08726588	0.1978153	7	0.64379887
ENSG00000122912	10	SLC25A16	70237756	rs61856469	10	70245489	G	T	0.0586481	-0.0290938	0.0163107	0.0744681	0.91916	0.154436	2.65E-09	-0.0316526	0.018525	0.08751772	0.3055014	8	0.64379887
ENSG00000229261	10	RP11-227H15.4	70975089	rs12772710	10	70971615	T	C	0.240557	-0.008478	0.008835	0.337262	-0.764592	0.128387	2.59E-09	0.0110882	0.0117042	0.3434504	0.2555317	7	0.8363037
ENSG00000042286	10	AIFM2	71857979	rs1053105	10	71897998	T	C	0.366799	0.00686324	0.00873135	0.43184	-0.476927	0.0782192	1.08E-09	-0.0143905	0.018459	0.4356298	0.6280916	12	0.8760777
ENSG00000079332	10	SAR1A	71907045	rs28391623	10	71917017	A	G	0.440358	0.00129452	0.00805806	0.87237	0.400484	0.0626867	1.67E-10	0.00323239	0.0201272	0.8724098	0.1164014	11	0.97703206
ENSG00000196968	10	FUT11	75532049	rs7098444	10	75580042	T	C	0.621272	0.012441	0.00808547	0.123881	0.614253	0.109293	1.91E-08	0.0202539	0.0136475	0.1377895	0.7642411	6	0.66434762
ENSG00000148655	10	C10orf11	77360998	rs61866893	10	78189528	G	A	0.342942	-0.0168092	0.00851726	0.048434	-0.575572	0.0828494	3.73E-12	0.0292043	0.0153834	0.05763947	0.9714442	3	0.5969465
ENSG00000224596	10	ZMIZ1-AS1	80703085	rs10824709	10	80808527	C	T	0.654076	0.0173416	0.00832037	0.037139	-0.794606	0.0931859	1.50E-17	-0.0218242	0.0107793	0.04290514	0.2164335	7	0.5391837
ENSG00000185303	10	SFTPA2	81315608	rs1713379	10	81278000	A	G	0.370775	0.0150951	0.00839395	0.072124	-0.601531	0.101518	3.12E-09	-0.0250945	0.0145828	0.08528294	0.851071	19	0.64379887
ENSG00000188199	10	NUTM2B	81462983	rs10749148	10	81596500	T	G	0.576541	-0.0043351	0.00821124	0.59754	0.807018	0.102353	3.15E-15	-0.0053717	0.0101976	0.5983592	0.7983916	20	0.92181392
ENSG00000228570	10	NUTM2E	81601114	rs9783140	10	81570079	G	C	0.832008	-0.0090097	0.00948155	0.341991	-1.05143	0.120905	3.43E-18	0.00856903	0.00907144	0.3448551	0.98487	20	0.8363037
ENSG00000242600	10	MBL1P	81664654	rs45558131	10	81679949	A	G	0.111332	0.0130664	0.0140428	0.352128	0.809963	0.11534	2.18E-12	0.0161321	0.0174891	0.3563159	0.9588131	20	0.8429066
ENSG00000133661	10	SFTPD	81697496	rs2493723	10	81657122	G	A	0.550696	0.0184452	0.0080947	0.0226861	0.683639	0.0868972	3.63E-15	0.0269809	0.0123273	0.02861745	0.9401942	20	0.48674683
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	0.664323	0.0894741	1.13E-13	0.00994647	0.0187992	0.5967432	0.2310385	12	0.92181392
ENSG00000189129	10	PLAC9	81891438	rs61859978	10	81886241	A	C	0.16998	0.0185113	0.0121748	0.128394	-0.764975	0.114771	2.64E-11	-0.0241986	0.0163241	0.1382394	0.9888701	20	0.66434762
ENSG00000122359	10	ANXA11	81910645	rs9645553	10	81949685	C	T	0.238569	0.0100429	0.00965817	0.298416	-0.660702	0.0796424	1.08E-16	-0.0152003	0.0147324	0.302184	0.3586418	20	0.80715034
ENSG00000148600	10	CDHR1	85954410	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.535375	0.0787005	1.03E-11	-0.020568	0.0158273	0.1937634	0.5318365	3	0.71196715
ENSG00000148604	10	RGR	86004809	rs2279228	10	86004736	G	A	0.491054	0.00276043	0.0080484	0.731616	0.619265	0.0737783	4.71E-17	0.00445759	0.0130075	0.7318296	0.985268	16	0.94727701
ENSG00000122375	10	OPN4	88414314	rs3740335	10	88419641	A	G	0.137177	-0.0165227	0.0105841	0.118503	-1.08563	0.138681	4.95E-15	0.0152195	0.00994123	0.1257835	0.785542	7	0.65842282
ENSG00000122376	10	FAM35A	88853918	rs11202347	10	88909385	C	T	0.838966	0.0205469	0.0105303	0.0510305	-0.6285	0.108971	8.04E-09	-0.032692	0.0176875	0.06455739	0.6367404	5	0.61480596
ENSG00000184923	10	NUTM2A	88985205	rs2434109	10	89097057	C	T	0.813121	-0.007113	0.0106851	0.505607	0.9668	0.111899	5.62E-18	-0.0073573	0.0110848	0.506865	0.8852722	11	0.88426028
ENSG00000026103	10	FAS	90750414	rs6586165	10	90755056	A	T	0.468191	0.0096444	0.00808251	0.232774	0.686287	0.0696324	6.47E-23	0.014053	0.0118632	0.2361784	0.8680034	16	0.74370709
ENSG00000152778	10	IFIT5	91174343	rs2481931	10	91160092	A	G	0.246521	0.00753639	0.00963913	0.434301	-0.545436	0.0856057	1.87E-10	-0.0138172	0.0178049	0.4377296	0.5988779	11	0.8760777
ENSG00000232229	10	LINC00865	91589267	rs1326198	10	91597636	G	A	0.168986	-0.0070454	0.0110211	0.522651	1.28878	0.100192	7.27E-38	-0.0054667	0.00856213	0.523164	0.9025053	20	0.88902293
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.776683	0.0884258	1.59E-18	-0.0016373	0.0112258	0.8840418	0.7806768	17	0.9794845
ENSG00000187553	10	CYP26C1	94821021	rs12256889	10	94827183	C	A	0.671968	-0.0138368	0.00874677	0.113664	0.521632	0.0940676	2.93E-08	-0.026526	0.0174371	0.128199	0.2765372	5	0.65842282
ENSG00000148690	10	FRA10AC1	95427640	rs7909452	10	95467509	C	T	0.593439	0.0143573	0.00831018	0.0840466	-0.78003	0.0964016	5.90E-16	-0.0184061	0.0108938	0.09110621	0.8413999	20	0.64379887
ENSG00000171160	10	MORN4	99374310	rs11189303	10	99393234	A	G	0.213718	-0.0270449	0.00977719	0.00567283	-0.536467	0.0582673	3.35E-20	0.050413	0.0190299	0.00806956	0.2306494	9	0.37907695
ENSG00000119943	10	PYROXD2	100143322	rs4488133	10	100159136	T	A	0.33996	-0.0092443	0.00831678	0.266344	0.458701	0.0507741	1.65E-19	-0.0201531	0.0182679	0.2699396	0.6495813	17	0.77524138
ENSG00000095485	10	CWF19L1	101992055	rs34027394	10	101983816	A	G	0.427435	-0.0058891	0.00853016	0.489954	0.758109	0.0703922	4.78E-27	-0.0077681	0.011275	0.4908434	0.02072268	20	0.88426028
ENSG00000196072	10	BLOC1S2	102033713	rs6584357	10	102050344	T	A	0.0576541	0.00385282	0.017285	0.823614	-0.601674	0.0903726	2.78E-11	-0.0064035	0.0287443	0.8237108	0.00642513	7	0.95542705
ENSG00000075826	10	SEC31B	102246399	rs4919470	10	102298920	T	C	0.189861	0.0297706	0.00955082	0.00182659	-0.427205	0.0769	2.77E-08	-0.0696869	0.0256353	0.00655996	0.4016586	3	0.34980549
ENSG00000272572	10	RP11-179B2.2	102670860	rs12765046	10	102717733	A	G	0.44334	0.0150172	0.00807996	0.0630885	0.595572	0.091369	7.11E-11	0.0252148	0.0141074	0.07388285	0.1460526	6	0.61480596
ENSG00000186862	10	PDZD7	102767440	rs10883575	10	102785049	C	T	0.178926	0.00062446	0.0111193	0.955214	0.33842	0.060054	1.75E-08	0.00184523	0.0328581	0.9552163	0.4335642	4	0.99296872
ENSG00000269609	10	RP11-18I14.10	104209574	rs1133932	10	104215975	G	A	0.0944334	-0.0058032	0.0179323	0.746229	-0.856624	0.139338	7.86E-10	0.00677445	0.0209627	0.7465684	0.7232954	8	0.94727701
ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.510524	0.0744342	6.95E-12	0.00735444	0.0192766	0.7028161	0.1362545	8	0.94727701
ENSG00000214435	10	AS3MT	104629273	rs12416687	10	104629011	C	T	0.254473	-0.0074018	0.00965458	0.443281	-0.870348	0.106304	2.67E-16	0.00850445	0.0111413	0.4452691	0.3510337	20	0.8760777
ENSG00000065621	10	GSTO2	106028631	rs276203	10	106039303	G	A	0.366799	-0.0129619	0.00868259	0.135472	-0.742828	0.0742733	1.50E-23	0.0174494	0.0118181	0.1398089	0.05942185	20	0.66434762
ENSG00000228261	10	RP11-127L20.3	106083127	rs641071	10	106028157	T	G	0.395626	-0.0107766	0.00855879	0.207984	-0.660305	0.115768	1.17E-08	0.0163206	0.013274	0.2188756	0.02299963	12	0.7341265
ENSG00000119913	10	TECTB	114043493	rs74848039	10	114049630	T	C	0.0586481	0.0154633	0.0163312	0.343711	0.938723	0.151423	5.67E-10	0.0164727	0.017599	0.3492723	0.9384993	7	0.8363037
ENSG00000165806	10	CASP7	115438942	rs7918733	10	115439394	T	C	0.39662	0.00469551	0.00841353	0.576782	0.380149	0.0570084	2.59E-11	0.0123518	0.0222096	0.5781111	0.2415291	11	0.91214319
ENSG00000151892	10	GFRA1	117816444	rs11197567	10	117932193	A	G	0.228628	0.0121952	0.00967035	0.207276	-0.492984	0.0771677	1.68E-10	-0.0247375	0.0199945	0.2160066	0.5206167	8	0.7320182
ENSG00000238276	10	RP11-245J24.1	120001076	rs12254436	10	120020507	C	T	0.558648	0.0149919	0.00825875	0.06948	-0.404122	0.0614642	4.87E-11	-0.0370975	0.0212009	0.08015131	0.4492856	8	0.62753387
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.901026	0.0776372	3.86E-31	0.0123168	0.00911318	0.1765217	0.6023012	20	0.69192294
ENSG00000227165	10	WDR11-AS1	122521324	rs10788130	10	122705265	A	G	0.415507	-0.0014492	0.00826139	0.860754	-0.404775	0.0728365	2.74E-08	0.00358019	0.02042	0.8608223	0.4549552	13	0.97305269
ENSG00000120008	10	WDR11	122610687	rs12255539	10	122614377	A	G	0.157058	-0.0023013	0.012106	0.849233	-0.448093	0.0809579	3.11E-08	0.00513576	0.0270326	0.8493218	0.4378861	9	0.96559734
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-0.984009	0.0833398	3.58E-32	-0.0030687	0.0085354	0.7192024	0.1851201	20	0.94727701
ENSG00000107902	10	LHPP	126150403	rs113420616	10	126293897	T	G	0.290258	-0.0031818	0.00882094	0.71832	0.219455	0.0391536	2.08E-08	-0.0144984	0.0402779	0.7188774	0.8649413	8	0.94727701
ENSG00000203791	10	METTL10	126436718	rs2293064	10	126396511	G	C	0.34493	0.00713192	0.00850719	0.40184	0.386521	0.0622315	5.26E-10	0.0184516	0.0222092	0.406083	0.9901955	12	0.86982438
ENSG00000188690	10	UROS	127477146	rs4385801	10	127511790	T	G	0.441352	0.0199608	0.00814064	0.0142066	-0.662338	0.0517862	1.87E-37	-0.0301369	0.0125146	0.01603409	0.8425063	20	0.44186828

ENSG00000170430	10	MGMT	131265448	rs1008982	10	131445731	C	T	0.380716	0.0127442	0.00820274	0.120268	-0.580933	0.0723287	9.60E-16	-0.0219375	0.0143817	0.1271654	0.7506945	20	0.65842282
ENSG00000188385	10	JAKMIP3	133918175	rs7096456	10	133953469	T	C	0.33499	-0.0003402	0.0084391	0.96784	0.544234	0.0573621	2.36E-21	-0.0006252	0.0155065	0.9678404	0.2287311	17	0.99493047
ENSG00000235010	10	RP11-140A10.3	133994729	rs2818402	10	134035809	C	T	0.789264	-0.0102372	0.00996969	0.3045	-0.740542	0.122581	1.53E-09	0.0138239	0.0136558	0.3113881	0.5369337	7	0.81378166
ENSG00000148814	10	LRRC27	134145614	rs56678407	10	134167502	A	C	0.11829	-0.0091651	0.0115163	0.426127	1.06726	0.119363	3.85E-19	-0.0085875	0.0108332	0.4279502	0.7012296	20	0.8760777
ENSG00000229081	10	RP11-432J24.6	134334331	rs4293055	10	134323744	A	G	0.4334	0.00012833	0.00822394	0.98755	0.620858	0.111167	2.34E-08	0.0002067	0.0132461	0.9875501	0.0267864	8	0.99593757
ENSG00000240707	10	RP13-137A17.6	134779038	rs5025579	10	134798538	T	C	0.61829	-0.0147161	0.00811316	0.0696996	-0.359219	0.0636241	1.64E-08	0.0409669	0.0237225	0.08418134	0.9724192	11	0.64379887
ENSG00000148832	10	PAOX	135192695	rs4240520	10	135197419	A	G	0.870775	0.0102825	0.0128112	0.422194	0.552142	0.0939512	4.18E-09	0.0186229	0.0234181	0.4264762	0.4552937	3	0.8760777
ENSG00000148824	10	MTG1	135207598	rs2297031	10	135232654	T	C	0.222664	-0.0004777	0.010111	0.962318	0.878423	0.0976946	2.44E-19	-0.0005438	0.0115106	0.9623183	0.3892847	11	0.99296872
ENSG00000214279	10	RP11-108K14.4	135267432	rs2249421	10	135256762	A	G	0.733598	-0.0039353	0.00941546	0.675974	0.553932	0.0869257	1.86E-10	-0.0071043	0.017034	0.676629	0.2888406	10	0.94479053
ENSG00000185627	11	PSMD13	236546	rs10794304	11	246456	A	G	0.729622	-0.0042488	0.00944205	0.65272	-0.516621	0.0651443	2.18E-15	0.00822421	0.0183059	0.653241	0.9401796	13	0.93515218
ENSG00000142102	11	ATHL1	289135	rs78662554	11	297601	T	A	0.319085	-0.0033047	0.00843174	0.695108	0.52715	0.0715276	1.71E-13	-0.0062689	0.0160176	0.695517	0.00770187	12	0.94727701
ENSG00000185201	11	IFITM2	307631	rs111412325	11	307539	A	G	0.0636183	0.0092878	0.0176808	0.599373	0.618998	0.103689	2.38E-09	0.0150046	0.028674	0.6007778	0.5042324	4	0.92387732
ENSG00000251661	11	RP11-326C3.11	318640	rs7931303	11	325249	G	A	0.675944	0.00613218	0.00941316	0.514758	-0.466341	0.0717023	7.83E-11	-0.0131496	0.0202861	0.516853	0.7169991	10	0.88902293
ENSG00000255328	11	RP11-326C3.12	327171	rs11246067	11	326564	T	A	0.417495	0.00697197	0.00808765	0.388659	0.799313	0.0906065	1.13E-18	0.00872245	0.0101664	0.3909119	0.7183994	15	0.86143514
ENSG00000270972	11	RP11-326C3.15	333192	rs7944394	11	323649	T	C	0.429423	0.010786	0.00810921	0.183489	0.696121	0.0832617	6.24E-17	0.0154944	0.0117956	0.1889898	0.665996	18	0.70631233
ENSG00000185187	11	SIGIRR	405716	rs10902159	11	406615	T	C	0.177932	0.0039352	0.011522	0.732698	-0.605137	0.087175	3.88E-12	-0.006503	0.0190633	0.7330093	0.1197117	3	0.94727701
ENSG00000177042	11	TMEM80	695428	rs12277188	11	688091	T	C	0.492048	-0.0030327	0.0080503	0.706379	-0.765783	0.0757975	5.36E-24	0.0039603	0.0105198	0.7065742	0.8914463	20	0.94727701
ENSG00000255284	11	AP006621.5	777578	rs4963153	11	791462	A	G	0.455268	-0.0015518	0.00810792	0.848218	0.526494	0.0821239	1.45E-10	-0.0029474	0.0154067	0.8482854	0.3009638	13	0.96559734
ENSG00000254872	11	RP13-870H17.3	1049880	rs74330548	11	1050719	T	C	0.120278	-0.0041593	0.0149078	0.780243	0.602557	0.110252	4.62E-08	-0.0069027	0.0247731	0.7805226	0.1564488	10	0.94953271
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.701887	0.0571775	1.23E-34	0.0141798	0.0118914	0.2330891	0.7122522	20	0.73936462
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-1.18822	0.104244	4.26E-30	-0.0004287	0.00918407	0.9627715	0.8557196	6	0.99296872
ENSG00000226416	11	MRPL23-AS1	2004467	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.873539	0.1237	1.64E-12	-0.0005831	0.0124927	0.962772	0.7694546	3	0.99296872
ENSG00000005801	11	ZNF195	3360491	rs7125522	11	3403616	C	A	0.698807	0.00240278	0.00875771	0.783807	0.53972	0.0793627	1.04E-11	0.0044519	0.0162396	0.7839781	0.1346067	9	0.94953271
ENSG00000223756	11	TSSC2	3402191	rs12789047	11	3404991	C	T	0.12326	-0.0069501	0.0116656	0.551323	-0.989449	0.168876	4.66E-09	0.00702419	0.0118508	0.5533691	0.8789868	8	0.90831717
ENSG00000167311	11	ART5	3659733	rs3813888	11	3663422	G	A	0.409543	-0.004291	0.00866927	0.620623	-0.644088	0.107132	1.83E-09	0.00666215	0.0135053	0.6218014	0.8194149	10	0.92817169
ENSG00000167325	11	RRM1	4115937	rs11031110	11	4162652	C	G	0.348907	0.00288719	0.00819984	0.724761	0.351145	0.0633502	2.97E-08	0.00822222	0.0233988	0.7252921	0.4076099	11	0.94727701
ENSG00000166341	11	DCHS1	6642556	rs12288043	11	6676285	G	A	0.181909	-0.0168621	0.00917604	0.066118	0.426567	0.0640833	2.81E-11	-0.0395298	0.022316	0.07650054	0.9330477	3	0.61606353
ENSG00000175390	11	EIF3F	7991798	rs12294650	11	8023690	A	G	0.156064	0.0105999	0.0111299	0.340907	0.400564	0.0612694	6.25E-11	0.0264624	0.0280788	0.3459708	0.3386817	8	0.8363037
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	0.727331	0.104677	3.70E-12	0.015939	0.0144331	0.2694481	0.3706379	20	0.77495787
ENSG00000177112	11	MRVI1-AS1	10562819	rs1462941	11	10563090	T	G	0.0954274	-0.0038471	0.0149741	0.797244	-1.01846	0.149701	1.02E-11	0.00377736	0.0147132	0.7973847	0.7074802	7	0.95044568
ENSG00000072952	11	MRVI1	10594638	rs11042916	11	10705161	T	C	0.269384	0.028586	0.00918496	0.00185661	-0.320958	0.047612	1.57E-11	-0.0890646	0.03152	0.00471846	0.6066215	5	0.28633186
ENSG00000197702	11	PARVA	12398732	rs11022331	11	12399750	A	G	0.895626	0.00292968	0.0134111	0.827077	-0.36966	0.065603	1.75E-08	-0.0079253	0.0363068	0.8272048	0.6483831	3	0.95665234
ENSG00000006071	11	ABCC8	17414432	rs985136	11	17497794	G	C	0.486083	0.00201342	0.00865299	0.816006	0.383049	0.0514969	1.02E-13	0.0052563	0.0226008	0.8160945	0.2590239	4	0.95331821
ENSG00000166788	11	SAAL1	18091482	rs10832880	11	18079295	C	T	0.262425	0.00497118	0.0089861	0.580122	-0.746302	0.109914	1.12E-11	-0.0066611	0.0120807	0.5813728	0.9601849	14	0.91214319
ENSG00000110768	11	GTF2H1	18343842	rs4150655	11	18375164	T	A	0.71173	-0.0055362	0.00889519	0.533692	0.307345	0.0533441	8.33E-09	-0.0180129	0.0291104	0.536061	0.4867886	5	0.89859673
ENSG00000166796	11	LDHC	18433854	rs78454952	11	18438770	A	G	0.115308	0.0310757	0.0137691	0.0240138	1.70745	0.150947	1.15E-29	0.0182001	0.00822308	0.02687757	0.7853757	20	0.47888085
ENSG00000166800	11	LDHAL6A	18477371	rs4757666	11	18480499	A	G	0.303181	0.0206672	0.00936134	0.0272634	0.642978	0.105973	1.30E-09	0.0321429	0.0154932	0.03801934	0.4288873	6	0.50611661
ENSG00000109854	11	HTATIP2	20385231	rs10437608	11	20385606	A	G	0.538767	0.0017171	0.00807793	0.831665	0.398584	0.0616701	1.03E-10	0.004308	0.0202775	0.8317545	0.4921637	8	0.95954475
ENSG00000171714	11	ANO5	22214722	rs4304773	11	22212033	C	G	0.799205	0.00836771	0.0103109	0.417054	-0.386722	0.0571712	1.34E-11	-0.0216375	0.0268535	0.4203801	0.2215309	4	0.8760777
ENSG00000169519	11	METTL15	28129795	rs11602768	11	28351786	A	G	0.244533	0.00575203	0.0089748	0.521581	-0.49492	0.0760916	7.81E-11	-0.0116221	0.0182217	0.5235908	0.7530627	10	0.88902293
ENSG00000242353	11	RP4-710M3.1	30389695	rs654710	11	30394303	G	A	0.754473	-0.0015086	0.0100732	0.880955	0.863934	0.120645	8.01E-13	-0.0017461	0.0116622	0.8809808	0.5297486	12	0.97812135
ENSG00000149089	11	APIP	34874641	rs3852516	11	34964491	G	A	0.328032	0.00359698	0.00922847	0.696707	1.03954	0.0745587	3.49E-44	0.00346016	0.00888092	0.6968193	0.0627202	20	0.94727701
ENSG00000149084	11	HSD17B12	43577986	rs57635800	11	43878485	A	G	0.303181	0.0046287	0.00878739	0.598372	-0.641726	0.0696803	3.27E-20	-0.0072129	0.0137157	0.5989688	0.3495432	12	0.92181392
ENSG00000110455	11	ACCS	44087475	rs178525	11	44099858	A	G	0.745527	-0.0035522	0.00924429	0.700784	0.626508	0.0887859	1.71E-12	-0.0056699	0.0147771	0.7012048	0.4681062	20	0.94727701
ENSG00000254664	11	CTD-2560E9.3	45237366	rs80330975	11	45239162	G	C	0.136183	0.00911433	0.0112234	0.416746	-0.640475	0.106373	1.73E-09	-0.0142306	0.0176822	0.4209376	0.7810023	11	0.8760777
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	1.08378	0.125383	5.44E-18	-0.0070824	0.0100541	0.4811686	0.2770208	15	0.88426028
ENSG00000205106	11	CTD-2210P24.4	45792983	rs11038665	11	45830198	G	A	0.744533	-0.0122416	0.0088845	0.168246	-0.517333	0.0745964	4.06E-12	0.0236629	0.0175093	0.1765528	0.06514972	19	0.69192294
ENSG00000205035	11	RP11-707M1.1	49580098	rs1851864	11	49963349	G	A	0.592445	0.00961404	0.00817817	0.239765	0.52008	0.0570299	7.55E-20	0.0184857	0.0158549	0.2436443	0.1929077	17	0.75324972
ENSG00000255190	11	TRIM51DP	49896497	rs11040513	11	49778153	C	G	0.531809	0.00585095	0.00805622	0.467677	0.809024	0.0997718	5.11E-16	0.00723211	0.00999781	0.469453	0.5548838	7	0.88426028
ENSG00000149150	11	SLC43A1	57252007	rs1001956	11	57266949	G	C	0.769384	-0.004897	0.00967587	0.612781	-0.422284	0.0744541	1.41E-08	0.0115965	0.0230042	0.614188	0.4031425	15	0.92780325
ENSG00000134809	11	TIMM10	57295936	rs2729371	11	57321322	C	T	0.797217	0.00749654	0.0105169	0.475965	-0.534709	0.0725451	1.70E-13	-0.0140199	0.0197602	0.478015	0.08701859	15	0.88426028
ENSG00000013725	11	CD6	60739115	rs2074227	11	60776781	C	T	0.357853	-0.0147868	0.0093533	0.113896	-0.883152	0.0793429	8.88E-29	0.0167432	0.0106971	0.1175338	0.5298099	20	0.65506833
ENSG00000162174	11	ASRGL1	62104920	rs2513082	11	62090509	A	T	0.588469	-0.001229	0.00827324	0.881912	-0.268131	0.0426285	3.18E-10	0.00458339	0.0308638	0.8819452	0.6562183	4	0.97812135
ENSG00000149743	11	TRPT1	63991271	rs11549691	11	63993287	T	C	0.0636183	0.00146154	0.0182843	0.93629	-0.695996	0.107335	8.91E-11	-0.0020999	0.0262727	0.9362945	0.4518526	7	0.99029499
ENSG00000257086	11	RP11-783K16.13	64014411	rs7111278	11	64016284	A	G	0.178926	0.0119284	0.0105703	0.259112	0.890968	0.120203	1.24E-13	0.0133881	0.0120005	0.2645818	0.4997146	20	0.77289867
ENSG00000219435	11	TEX40	64067863	rs11606014	11	64041817	T	C	0.164016	0.0151216	0.0109401	0.166904	-0.702791	0.100956	3.37E-12	-0.0215165	0.0158705	0.1751784	0.5710537	19	0.68987422
ENSG00000255200	11	AP003068.18	64941588	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-0.819235	0.105056	6.29E-15	0.0152458	0.0109846	0.1651589	0.02316714	14	0.67326138
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-1.1828	0.116185	2.43E-24	0.0105596	0.00755821	0.1623826	0.0717563	14	0.67326138
ENSG00000214659	11	KRT8P26	65494410	rs501337	11	65561368	T	C	0.213718	-0.0053156	0.0108525	0.624277	-0.434782	0.0790891	3.86E-08	0.0122258	0.0250597	0.6256434	0.2908617	3	0.92817169
ENSG00000255120	11	RP11-770G2.4	65556522	rs642803	11	65560620	T	C	0.457256	-0.0042342	0.00825561	0.608031	0.523815	0.0914745	1.03E-08	-0.0080834	0.0158236	0.6094629	0.8179114	5	0.92780325
ENSG00000172803	11	SNX32	65601112	rs58568715	11	65662985	G	A	0.163022	0.00772071	0.011677	0.508492	0.760545	0.0818335	1.49E-20	0.0101515	0.0153923	0.5095602	0.7438746	15	0.88426028
ENSG00000172500	11	FIBP	65651212	rs585557	11	65663547	G	A	0.193837	0.0123575	0.0109253	0.258018	0.335532	0.0579425	7.01E-09	0.0368296	0.0331765	0.2669509	0.2536478	5	0.77341281
ENSG00000255320	11	RP11-755F10.1	66012311	rs2282568	11	66052832	G	C	0.173956	-0.0285757	0.0105717	0.00687084	1.24761	0.13091	1.57E-21	-0.0229044	0.00880779	0.00930975	0.05076614	16	0.3871142
ENSG00000174165	11	ZDHHC24	66288108	rs3179961	11	66244454	G	A	0.243539	0.00133596	0.00831735	0.87239	-0.681878	0.109573	4.88E-10	-0.0019592	0.0122018	0.8724322	0.4546171	12	0.97703206
ENSG00000173715	11	C11orf80	66511922	rs35287213	11	66569509	T	G	0.111332	0.0100335	0.0223793	0.653909	-0.642748	0.115642	2.73E-08	-0.0156103	0.0349312	0.6549567	0.202789	3	0.93515218
ENSG00000173156	11	RHOD	66824289	rs114895445	11	66824261	T	C	0.0745527	0.0203874	0.0152377	0.18091	-0.720399	0.116705	6.71E-10	-0.0283001	0.0216429	0.1910109	0.2699703	9	0.70839193
ENSG00000084207	11	GSTP1	67351066	rs4930444	11	67342580	A	G	0.411531	0.00208487	0.00848228	0.805844	-0.310837	0.042204	1.77E-13	-0.0067073	0.0273037	0.8059497	0.08944639	13	0.95331821
ENSG00000250508	11	RP11-757G1.6	68638132	rs569445	11	68661575	C	T	0.579523	0.00032056	0.00831119	0.969233	-0.504541	0.0896673	1.84E-08	-0.0006354	0.0164732	0.9692342	0.3529174	7	0.99493047
ENSG00000197345	11	MRPL21	68658744	rs2444765	11	68655063	A	C	0.300199	-0.0082148	0.00832727	0.323894	-0.861772	0.0681242	1.12E-36	0.00953239	0.0096923	0.3253605	0.6163029	20	0.82362657
ENSG00000132740	11	IGHMBP2	68671310	rs583182	11	68678634	T	C	0.300199	-0.0080586	0.00832971	0.333319	0.504722	0.0609058	1.16E-16	-0.0159664	0.0166156	0.3365903	0.891581	20	0.83103105
ENSG00000254682	11	RP11-660L16.2	71159720	rs11233747	11	71171642	A	G	0.700795	0.00740373	0.00824541	0.369227	1.02731	0.0834208	7.54E-35	0.00720691	0.00804752	0.3704964	0.2589762	18	0.84538623
ENSG00000244411	11	KRTAP5-7	71238313	rs4304798	11	71225094	A	G	0.742545	0.00550635	0.00857308	0.52069	0.598599	0.0887272	1.51E-11	0.00919873	0.0143867	0.5225675	0.410308	11	0.88902293
ENSG00000254997	11	KRTAP5-9	71259466	rs11234027	11	71234107	A	G	0.191849	-0.0062493	0.00907094	0.490865	0.736146	0.122601	1.92E-09	-0.0084892	0.012403	0.4936951	0.8663022	3	0.88426028
ENSG00000227467	11	RP11-169D4.1	72281704	rs61522071	11	72283586	T	G	0.382704	0.00657489	0.00873393	0.451571	0.532994	0.0861633	6.18E-10	0.0123358	0.0165074	0.4548914	0.4156546	3	0.87797516
ENSG00000175575	11	PAAF1	73587744	rs60863026	11	73633779	A	G	0.0815109	-0.0106365	0.0179451	0.553365	-0.884328	0.0959481	3.06E-20	0.0120278	0.0203343	0.5541837	0.7832269	7	0.90889812
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.23726	0.0804223	2.08E-53	0.00076336	0.00692078	0.9121718	0.49876	20	0.97987891
ENSG00000241170	11	RP11-147I3.1	74587331	rs11236264	11	74593134	G	A	0.284294	0.00171512	0.00855799	0.841159	-0.701169	0.0807974	4.02E-18	-0.0024461	0.0122086	0.8412005	0.6167666	20	0.96549656
ENSG00000261594	11	TPBGL	74951950	rs2712811	11	74864729	A	G	0.620278	9.45E-06	0.00840077	0.999102	-0.331851	0.059001	1.86E-08	-2.85E-05	0.0253149	0.9991022	0.1396686	8	0.9991022
ENSG00000149273	11	RPS3	75110530	rs373711199	11	75121187	T	G	0.0536779	0.00788547	0.0142476	0.579949	-0.469732	0.0759825	6.33E-10	-0.0167872	0.0304526	0.581459	0.1941686	5	0.91214319
ENSG00000255135	11	RP11-111M22.3	76152382	rs113130900	11	76152515	T	C	0.0457256	0.0113897	0.0176949	0.519788	-1.03365	0.151123	7.93E-12	-0.0110189	0.0171945	0.5216267	0.4488973	4	0.88902293
ENSG00000159063	11	ALG8	77811982	rs7101694	11	77853896	T	C	0.464215	0.0142124	0.00807694	0.0784711	0.659941	0.0854851	1.16E-14	0.0215359	0.0125528	0.08623069	0.2641384	17	0.64379887
ENSG00000246174	11	KCTD21-AS1	77850817	rs1263724	11	77866798	T	C	0.527833	-0.015507	0.00807165	0.0547104	1.02748	0.0857043	4.07E-33	-0.0150923	0.007956	0.0578324	0.1820896	20	0.5969465
ENSG00000188997	11	KCTD21	77882295	rs11237401	11	77839038	G	A	0.459245	0.0142898	0.00806922	0.0765773	0.637016	0.0808348	3.26E-15	0.0224324	0.0129831	0.08402177	0.09954662	20	0.64379887
ENSG00000137513	11	NARS2	78147007	rs4945303	11	78283803	G	A	0.767396	-0.0032601	0.00888911	0.713809	0.695245	0.0889569	5.47E-15	-0.0046891	0.0127996	0.7141089	0.07711742	16	0.94727701
ENSG00000245832	11	RP11-179A16.1	81590893	rs17144191	11	82430661	T	C	0.176938	0.00611206	0.0100781	0.544203	0.66647	0.119444	2.41E-08	0.0091708	0.0152107	0.5465628	0.6590046	5	0.90344232
ENSG00000182919	11	C11orf54	93474757	rs601711	11	93564393	T	C	0.641153	0.00428716	0.00847122	0.612796	-0.363149	0.0565704	1.37E-10	-0.0118055	0.0233995	0.6138961	0.3173205	8	0.92780325
ENSG00000020922	11	MRE11A	94152895	rs10831225	11	94146177	C	A	0.359841	-0.0104454	0.00831707	0.209152	0.68081	0.087485	7.14E-15	-0.0153426	0.0123745	0.2150284	0.6879382	20	0.7320182
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	0.935954	0.09164	1.73E-24	0.0117594	0.0130497	0.367521	0.9362281	11	0.84538623
ENSG00000137713	11	PPP2R1B	111597632	rs1529330	11	111652323	C	T	0.305169	0.00945582	0.00825958	0.25228	-0.463569	0.0705984	5.16E-11	-0.0203979	0.0180861	0.2593971	0.5066018	14	0.77251343
ENSG00000197580	11	BCO2	112046190	rs11214138	11	112084061	C	T	0.262425	-0.0020484	0.00914525	0.822767	-0.478587	0.0821234	5.62E-09	0.00428014	0.019123	0.8228958	0.9850282	5	0.95542705
ENSG00000149292	11	TTC12	113185251	rs11214587	11	113232422	G	T	0.465209	-0.0173888	0.00811857	0.0322055	-0.707486	0.0689157	1.00E-24	0.0245783	0.0117223	0.03601951	0.3818782	20	0.50611661
ENSG00000166682	11	TMPRSS5	113558272	rs7114297	11	113591402	A	G	0.302187	0.00285356	0.00860488	0.740176	0.383649	0.0654256	4.52E-09	0.00743794	0.0224649	0.7405749	0.5380594	8	0.94727701
ENSG00000254851	11	RP11-109L13.1	117006244	rs634960	11	117072963	C	T	0.260437	-0.006058	0.00884218	0.493269	1.01208	0.106248	1.64E-21	-0.0059856	0.00875921	0.494383	0.7165358	20	0.88426028
ENSG00000255274	11	TMPRSS4-AS1	117886487	rs948460	11	117960018	T	A	0.27833	0.00325663	0.00874631	0.709637	0.694241	0.115599	1.91E-09	0.00469092	0.0126226	0.7101686	0.3163468	7	0.94727701
ENSG00000196655	11	TRAPPC4	118889142	rs569	11	118894287	G	A	0.227634	-0.0046618	0.00953482	0.624895	0.837925	0.0907638	2.66E-20	-0.0055635	0.011395	0.6253794	0.02951504	11	0.92817169
ENSG00000160695	11	VPS11	118938403	rs3825061	11	118944675	T	C	0.348907	-0.0060586	0.00885638	0.493912	-0.391216	0.0653604	2.16E-09	0.0154867	0.0227855	0.4967108	0.1506849	6	0.88426028
ENSG00000254854	11	CTD-2523D13.2	119600293	rs10892446	11	119611734	G	A	0.518887	-0.0023321	0.00806519	0.772462	-0.591906	0.103105	9.42E-09	0.00394	0.0136431	0.772741	0.847549	8	0.94953271
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.90213	0.0954617	3.38E-21	-0.0052053	0.00973624	0.5929023	0.1888069	7	0.92100121
ENSG00000064309	11	CDON	125825691	rs7124748	11	125846293	C	T	0.380716	0.0103081	0.0082365	0.210747	0.611926	0.0656349	1.13E-20	0.0168453	0.0135807	0.2148316	0.3687411	19	0.7320182
ENSG00000110074	11	FOXRED1	126138950	rs685409	11	126130232	T	C	0.776342	0.0191431	0.00973529	0.0492572	0.528532	0.0614103	7.53E-18	0.0362194	0.0188941	0.05524231	0.8254754	20	0.5969465
ENSG00000150455	11	TIRAP	126152960	rs588361	11	126084834	A	G	0.565606	0.0109579	0.00807216	0.174623	-0.498252	0.0908868	4.20E-08	-0.0219927	0.0166903	0.1876056	0.2923688	3	0.70592061
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.61709	0.0627029	7.46E-23	0.00384905	0.0131154	0.7691594	0.3989715	20	0.94953271
ENSG00000204241	11	RP11-713P17.3	133902167	rs1144231	11	133909341	C	T	0.164016	-0.0096645	0.0104818	0.356517	0.600078	0.0900627	2.68E-11	-0.0161054	0.0176338	0.3610735	0.4408892	3	0.8429066
ENSG00000255545	11	RP11-627G23.1	134306367	rs4937894	11	134333360	G	A	0.715706	-0.0109829	0.00998614	0.271414	-0.813989	0.0877103	1.69E-20	0.0134927	0.012354	0.2747577	0.6358379	6	0.77954811
ENSG00000120647	12	CCDC77	498439	rs2253565	12	497910	G	T	0.781312	0.0185226	0.0087749	0.034784	0.63663	0.112537	1.54E-08	0.0290948	0.0147116	0.04796592	0.5423044	18	0.57010097
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.834639	0.13108	1.92E-10	-0.0189581	0.013016	0.1452467	0.9722843	20	0.66799939
ENSG00000078246	12	TULP3	2986389	rs4572194	12	3019122	G	T	0.417495	0.00047837	0.00825735	0.953802	-0.263961	0.0413966	1.81E-10	-0.0018123	0.0312838	0.9538044	0.8010956	7	0.99296872
ENSG00000111254	12	AKAP3	4724674	rs4766266	12	4749595	C	G	0.525845	-0.0023205	0.00828649	0.779451	0.539663	0.072739	1.18E-13	-0.0042999	0.0153659	0.7796033	0.7826455	11	0.94953271
ENSG00000111321	12	LTBR	6484211	rs2364484	12	6511996	A	C	0.732604	-0.0154722	0.00949306	0.103135	-0.363907	0.0473992	1.62E-14	0.0425169	0.0266678	0.1108657	0.9690741	14	0.64481993
ENSG00000256433	12	RP1-102E24.8	6503071	rs4020660	12	6511657	A	G	0.446322	-0.0039142	0.00817615	0.632125	-0.552766	0.0944889	4.91E-09	0.00708117	0.0148408	0.6332606	0.0235548	3	0.93051058
ENSG00000215039	12	CD27-AS1	6548167	rs111922468	12	6556078	T	C	0.17495	-0.0010177	0.0108375	0.925186	0.664677	0.0880319	4.34E-14	-0.0015311	0.0163062	0.9251915	0.3152127	4	0.98298483
ENSG00000139192	12	TAPBPL	6560856	rs2532519	12	6586136	G	C	0.32008	0.00403511	0.00864983	0.640861	0.508946	0.0583884	2.87E-18	0.00792837	0.0170199	0.6413377	0.7318112	16	0.93476849
ENSG00000111664	12	GNB3	6949118	rs1047776	12	6948692	G	A	0.645129	-0.0026755	0.00817768	0.743536	-0.433773	0.0562549	1.25E-14	0.00616804	0.0188694	0.7437582	0.04527122	13	0.94727701
ENSG00000111665	12	CDCA3	6953957	rs5441	12	6949026	G	A	0.652087	-0.0026188	0.00819645	0.749345	-0.445315	0.0654489	1.02E-11	0.00588076	0.0184262	0.7496118	0.1660621	13	0.94873228
ENSG00000111671	12	SPSB2	6980099	rs6489739	12	6982347	C	A	0.309145	-0.0029176	0.0093314	0.754534	0.819852	0.07728	2.71E-26	-0.0035587	0.0113868	0.7546377	0.7057123	14	0.94873228
ENSG00000240370	12	RPL13P5	6982553	rs66621175	12	6965805	C	T	0.318091	-0.0009752	0.00915466	0.915167	0.625691	0.0948381	4.18E-11	-0.0015586	0.0146332	0.915178	0.8887313	9	0.97987891
ENSG00000010626	12	LRRC23	6982733	rs2239163	12	7014076	G	C	0.297217	-0.004683	0.00940127	0.618399	0.538148	0.073516	2.48E-13	-0.008702	0.0175101	0.6192105	0.6294605	12	0.92780325
ENSG00000248593	12	DSTNP2	6993846	rs7306727	12	7039754	C	T	0.301193	0.00225469	0.00921006	0.806606	0.496878	0.085623	6.51E-09	0.00453771	0.0185523	0.8067741	0.523422	7	0.95331821
ENSG00000139197	12	PEX5	7341281	rs10161170	12	7368629	C	T	0.271372	-0.0066475	0.00855152	0.436952	-0.64502	0.0789055	2.97E-16	0.0103059	0.0133176	0.4390138	0.1302828	12	0.8760777
ENSG00000164845	12	FAM86FP	8385108	rs2968741	12	8386857	C	G	0.800199	0.0209727	0.0104755	0.0452762	-0.822679	0.12734	1.04E-10	-0.0254932	0.0133308	0.05583124	0.07643072	7	0.5969465
ENSG00000226091	12	LINC00937	8448582	rs9706564	12	8553785	T	C	0.549702	-0.0006542	0.0082879	0.937086	0.544756	0.0914334	2.55E-09	-0.0012009	0.0152153	0.9370911	0.00775087	5	0.99029499
ENSG00000139187	12	KLRG1	9102640	rs7136774	12	9178852	T	G	0.262425	4.88E-05	0.00908693	0.995714	0.612485	0.0788583	8.04E-15	7.97E-05	0.0148362	0.9957144	0.7144487	6	0.99820764
ENSG00000256427	12	RP11-118B22.4	9399093	rs717179	12	9395908	G	A	0.629225	-0.015046	0.00868071	0.0830482	-0.659897	0.0895135	1.68E-13	0.0228005	0.0135133	0.09155318	0.8603331	20	0.64379887
ENSG00000111788	12	RP11-22B23.1	9429831	rs6487748	12	9435768	G	A	0.462227	-0.0034496	0.00809668	0.670071	-1.05158	0.0854608	8.53E-35	0.00328039	0.00770415	0.6702574	0.1135626	20	0.94200099
ENSG00000214826	12	DDX12P	9570309	rs6487748	12	9435768	G	A	0.462227	-0.0034496	0.00809668	0.670071	-0.485803	0.0876472	2.98E-08	0.0071008	0.0167158	0.6709848	0.271855	7	0.94200099
ENSG00000214776	12	RP11-726G1.1	9620148	rs55655311	12	9624045	T	C	0.457256	-0.0072471	0.00816803	0.374943	-0.708506	0.0937602	4.14E-14	0.0102287	0.0116077	0.3782097	0.904469	20	0.85280884
ENSG00000184293	12	CLECL1	9868456	rs11052710	12	9876350	T	C	0.496024	0.00866787	0.00807969	0.283362	-0.638387	0.106223	1.86E-09	-0.0135778	0.0128565	0.290921	0.2360027	3	0.79609866
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.73787	0.244102	1.08E-12	-0.0079783	0.0109934	0.4680007	0.4891018	9	0.88426028
ENSG00000205810	12	KLRC3	10564911	rs12824247	12	10552299	C	G	0.156064	0.0107718	0.0111209	0.332743	0.564462	0.0898538	3.34E-10	0.0190833	0.0199346	0.3384178	0.01241414	8	0.83358092
ENSG00000205809	12	KLRC2	10579453	rs12318583	12	10579084	G	A	0.178926	0.00805779	0.0103332	0.435513	-1.02084	0.114012	3.43E-19	-0.0078933	0.0101606	0.437244	0.02901086	20	0.8760777
ENSG00000134545	12	KLRC1	10594863	rs73070541	12	10668652	A	G	0.177932	-0.0213246	0.0121573	0.07942	1.20653	0.145491	1.11E-16	-0.0176743	0.0102992	0.08614568	0.4779846	8	0.64379887
ENSG00000111215	12	PRR4	10977559	rs7313683	12	11272192	G	T	0.404573	-0.001258	0.00843187	0.881397	-0.500824	0.0905523	3.19E-08	0.0025119	0.0168421	0.88144	0.9374438	7	0.97812135
ENSG00000231887	12	PRH1	11033610	rs10743931	12	11023567	G	A	0.848907	0.00671572	0.0142251	0.636854	-1.17444	0.132407	7.32E-19	-0.0057182	0.0121294	0.6373292	0.2954923	20	0.93282679
ENSG00000121335	12	PRB2	11544476	rs2965706	12	11592075	T	G	0.259443	-0.0193768	0.00954074	0.04226	0.477605	0.0851404	2.03E-08	-0.0405708	0.0212451	0.05617846	0.6099459	17	0.5969465
ENSG00000247157	12	RP11-434C1.1	11700964	rs3863325	12	11350912	C	A	0.653082	-0.0082995	0.00850466	0.329124	-0.499442	0.0901328	3.00E-08	0.0166176	0.0172904	0.3365083	0.8575651	4	0.83103105
ENSG00000255621	12	RP11-377D9.3	13153385	rs1291364	12	13153773	C	T	0.77833	0.0174213	0.0099741	0.0806975	0.812537	0.136658	2.75E-09	0.0214406	0.012794	0.09376959	0.7405675	11	0.64379887
ENSG00000261324	12	RP11-174G6.5	14915438	rs2195199	12	14927994	C	T	0.586481	0.00611326	0.00806	0.44817	-0.508088	0.0911437	2.48E-08	-0.0120319	0.0160096	0.452325	0.1531146	4	0.87797516
ENSG00000182993	12	C12orf60	14956506	rs11610238	12	14975721	T	C	0.589463	0.00395941	0.00811269	0.625514	-0.726766	0.0850805	1.32E-17	-0.005448	0.0111809	0.6260764	0.7892828	14	0.92817169
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.70627	0.180796	3.82E-21	-0.0079483	0.00798478	0.3195284	0.6028892	10	0.82194203
ENSG00000133704	12	IPO8	30781922	rs12370947	12	30786569	C	G	0.235586	0.0100294	0.00914644	0.272843	-0.550012	0.0642077	1.07E-17	-0.0182349	0.0167652	0.2767449	0.9076619	20	0.78002527
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	0.770628	0.0902416	1.35E-17	0.00988468	0.0167603	0.5553461	0.06586798	12	0.91004805
ENSG00000013573	12	DDX11	31226779	rs3881296	12	31237700	A	G	0.430417	-0.0110286	0.00815037	0.176012	-1.18599	0.0734236	1.09E-58	0.00929907	0.00689628	0.177524	0.9833392	20	0.69192294
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.626713	0.0886764	1.58E-12	-0.016629	0.0146827	0.2574013	0.7302242	5	0.77102595
ENSG00000240399	12	RP1-228P16.1	48448596	rs11168371	12	48437686	A	G	0.224652	0.0438786	0.0115188	0.00013936	-0.757921	0.113184	2.14E-11	-0.0578934	0.0174849	0.00092945	0.7305904	12	0.23243814
ENSG00000177627	12	C12orf54	48876286	rs56090553	12	48914415	A	G	0.201789	0.00215426	0.0126304	0.864569	0.600614	0.108461	3.07E-08	0.00358676	0.0210391	0.8646321	0.05455405	5	0.97425422
ENSG00000139537	12	CCDC65	49297893	rs61941147	12	49309423	T	C	0.409543	0.0009609	0.00827205	0.907524	-0.418756	0.0734829	1.21E-08	-0.0022947	0.019758	0.9075432	0.6626269	9	0.97987891
ENSG00000169884	12	WNT10B	49359123	rs4760662	12	49370857	A	G	0.419483	0.00185526	0.00838615	0.824914	-0.371488	0.049822	8.90E-14	-0.0049941	0.0225844	0.8249899	0.5808132	16	0.95578689
ENSG00000161798	12	AQP5	50355653	rs3759129	12	50354437	C	A	0.177932	0.0161868	0.0113103	0.152385	-0.564368	0.0824394	7.60E-12	-0.0286813	0.0204739	0.1612525	0.996269	4	0.67326138
ENSG00000272368	12	RP4-605O3.4	50505980	rs1044370	12	50570610	C	T	0.435388	0.00282286	0.00812539	0.728281	0.627874	0.0907862	4.65E-12	0.0044959	0.0129574	0.7286103	0.8487563	12	0.94727701
ENSG00000205426	12	KRT81	52679697	rs2852458	12	52712249	T	C	0.409543	0.0117922	0.00846851	0.163779	0.687805	0.0922604	8.98E-14	0.0171447	0.0125253	0.1710606	0.1756673	11	0.67907961
ENSG00000170523	12	KRT83	52708085	rs2852464	12	52710721	C	G	0.387674	0.0107887	0.00855458	0.207249	-0.468389	0.0786394	2.58E-09	-0.0230336	0.0186688	0.2172753	0.7264904	5	0.73279345
ENSG00000111077	12	TENC1	53440753	rs11170385	12	53443278	G	T	0.607356	-0.0154707	0.0080803	0.0555418	0.236998	0.0413582	1.00E-08	-0.0652778	0.0359471	0.06937961	0.4275928	6	0.61480596

ENSG00000135390	12	ATP5G2	54026510	rs916134	12	54069803	G	A	0.299205	0.013923	0.0094409	0.140279	0.350812	0.0572688	9.03E-10	0.0396879	0.0276805	0.1516329	0.4953554	4	0.67014512
ENSG00000248265	12	RP11-834C11.3	54452038	rs2233921	12	54575800	A	C	0.477137	0.00299254	0.00811907	0.71244	0.763366	0.120095	2.07E-10	0.00392019	0.0106537	0.7129004	0.5924877	6	0.94727701
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.16045	0.0811797	2.36E-46	0.017226	0.00713787	0.01580771	0.372162	19	0.44186828
ENSG00000257303	12	RP11-977G19.11	56693926	rs57870697	12	56752874	G	A	0.0646123	-0.0053604	0.0177369	0.762484	-1.10193	0.128681	1.10E-17	0.00486459	0.0161062	0.762628	0.6125981	8	0.94873228
ENSG00000166881	12	TMEM194A	57449426	rs62621200	12	57472544	T	C	0.0159046	0.0546971	0.0285217	0.0551442	1.16936	0.184492	2.32E-10	0.0467752	0.0254829	0.0664231	0.9717932	5	0.61480596
ENSG00000123427	12	METTL21B	58165275	rs10431552	12	58178148	A	G	0.319085	-0.0215716	0.008472	0.0108896	0.610379	0.0806354	3.74E-14	-0.0353413	0.0146441	0.0158067	0.2179759	20	0.44186828
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.845748	0.0760912	1.06E-28	0.0350262	0.0106215	0.00097489	0.5849927	20	0.23243814
ENSG00000177990	12	DPY19L2	63952693	rs55673930	12	64070828	C	T	0.197813	-0.0013272	0.0100562	0.895002	-0.505837	0.0821572	7.42E-10	0.00262373	0.0198849	0.895027	0.6297724	6	0.97987891
ENSG00000239335	12	RP11-745O10.2	66524531	rs1370126	12	66546892	G	A	0.435388	0.0130862	0.00806503	0.104679	-1.13389	0.090262	3.41E-36	-0.011541	0.0071718	0.1075688	0.1291967	14	0.64481993
ENSG00000127311	12	HELB	66696325	rs10878403	12	66692785	C	T	0.540755	-0.0037974	0.00821978	0.644097	0.547198	0.0747146	2.41E-13	-0.0069397	0.0150514	0.6447542	0.4085178	11	0.93485806
ENSG00000127337	12	YEATS4	69753483	rs160832	12	69768821	T	C	0.0457256	-0.0439108	0.0306908	0.152501	1.04533	0.145576	6.94E-13	-0.0420066	0.029937	0.1605675	0.7499101	8	0.67326138
ENSG00000166268	12	MYRFL	70219084	rs201437318	12	70169170	C	T	0.0616302	0.00855558	0.0148793	0.565291	1.56929	0.194085	6.19E-16	0.00545188	0.00950549	0.5662721	0.3670311	16	0.91214319
ENSG00000257815	12	RP11-611E13.2	70297813	rs11610894	12	70634672	C	G	0.178926	-0.0053196	0.0128242	0.678282	0.734107	0.11778	4.58E-10	-0.0072464	0.0175078	0.6789518	0.3830277	8	0.94554211
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-0.927215	0.064121	2.16E-47	-0.004096	0.00906059	0.6512179	0.3031318	20	0.93515218
ENSG00000257497	12	RP11-585P4.5	75877904	rs1051446	12	75894114	C	T	0.37674	0.00333475	0.00853669	0.696065	-0.470646	0.0855606	3.78E-08	-0.0070855	0.0181839	0.6967909	0.2851674	12	0.94727701
ENSG00000111615	12	KRR1	75890684	rs1501634	12	75890333	G	A	0.234592	0.00907255	0.00985204	0.357113	0.442409	0.065174	1.14E-11	0.0205072	0.0224731	0.3614941	0.2624414	20	0.8429066
ENSG00000257431	12	RP11-263K4.3	82906456	rs7972368	12	82890252	G	A	0.233598	-0.0047187	0.010217	0.644194	0.711502	0.117681	1.48E-09	-0.006632	0.0144016	0.6451557	0.07317417	12	0.93485806
ENSG00000166130	12	IKBIP	99007183	rs12371097	12	99029299	G	A	0.195825	-0.010441	0.00932605	0.262903	0.529237	0.0900729	4.21E-09	-0.0197284	0.0179387	0.271434	0.8611402	18	0.77614389
ENSG00000257681	12	RP11-341G23.4	104140093	rs11111765	12	104172519	C	G	0.247515	-0.0100726	0.00986399	0.307185	0.784552	0.0879474	4.63E-19	-0.0128387	0.0126549	0.310333	0.3818729	20	0.81378166
ENSG00000204954	12	C12orf73	104343980	rs322108	12	104371624	T	C	0.157058	-0.0079776	0.013775	0.562497	-0.498534	0.0816186	1.01E-09	0.0160021	0.0277549	0.5642427	0.6088137	14	0.91214319
ENSG00000089220	12	PEBP1	118573663	rs465735	12	118690551	A	G	0.512922	-0.0052254	0.00808763	0.518215	-0.318254	0.0475074	2.10E-11	0.016419	0.0255304	0.5201488	0.01686382	13	0.88902293
ENSG00000257218	12	GATC	120884241	rs606443	12	120910630	A	C	0.649105	0.00930793	0.008767	0.288371	0.905082	0.0813918	1.00E-28	0.0102841	0.00973046	0.2905598	0.1579118	20	0.79609866
ENSG00000167272	12	POP5	121016567	rs73405628	12	121027132	G	A	0.101392	-0.0043419	0.0123219	0.724559	0.605856	0.106321	1.21E-08	-0.0071665	0.0203768	0.7250645	0.292513	15	0.94727701
ENSG00000122971	12	ACADS	121163538	rs2239760	12	121163518	A	C	0.425447	0.013573	0.00820316	0.0980054	0.292002	0.047029	5.33E-10	0.0464826	0.0290732	0.1098628	0.2806884	19	0.64481993
ENSG00000157895	12	C12orf43	121440225	rs1169307	12	121438382	C	T	0.636183	0.0146584	0.00818133	0.073183	0.221242	0.0405239	4.77E-08	0.0662551	0.0389195	0.08868769	0.07273157	4	0.64379887
ENSG00000111364	12	DDX55	124086624	rs61678733	12	124094174	C	T	0.114314	0.0190249	0.0141429	0.178563	-0.857481	0.129492	3.55E-11	-0.022187	0.0168304	0.1874148	0.9627962	11	0.70592061
ENSG00000255595	12	RP4-809F18.1	126843848	rs17492695	12	126842684	A	G	0.267396	0.00138014	0.0101679	0.892031	-0.930872	0.0974774	1.30E-21	-0.0014826	0.0109241	0.8920416	0.557932	12	0.97987891
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.831434	0.0985033	3.16E-17	-0.0040052	0.00978304	0.6822426	0.4727369	8	0.9461177
ENSG00000185163	12	DDX51	132621139	rs57037358	12	132625643	T	C	0.189861	0.00988417	0.00899283	0.271717	0.419286	0.0682323	8.00E-10	0.0235738	0.0217883	0.2792765	0.07683035	13	0.7820888
ENSG00000256576	12	RP13-977J11.2	132671287	rs7307766	12	132674118	T	G	0.503976	-0.0125519	0.00814085	0.123114	-0.551494	0.0700899	3.59E-15	0.0227598	0.0150422	0.130263	0.6603317	13	0.65842282
ENSG00000255916	12	RP13-895J2.7	132906436	rs58012118	12	132909888	C	G	0.413519	-0.0081606	0.00847731	0.335727	0.448936	0.064962	4.82E-12	-0.0181777	0.0190654	0.3403687	0.2692731	15	0.83525802
ENSG00000177084	12	POLE	133200348	rs4883540	12	133206307	C	A	0.565606	0.0130917	0.0081567	0.108488	-0.644891	0.0714873	1.86E-19	-0.0203006	0.0128468	0.1140593	0.1567717	20	0.64481993
ENSG00000227879	13	PSPC1P1	19775777	rs7334384	13	19920572	C	G	0.577535	0.0113901	0.00857295	0.183978	-0.56678	0.0983609	8.30E-09	-0.0200962	0.0155226	0.195444	0.1334847	20	0.71320307
ENSG00000237636	13	ANKRD26P3	19864733	rs9554041	13	19919317	T	C	0.400596	-0.0149344	0.0087085	0.0863595	0.783767	0.0994224	3.19E-15	-0.0190546	0.011371	0.09379124	0.04316472	20	0.64379887
ENSG00000032742	13	IFT88	21140585	rs10507293	13	21261267	C	T	0.17495	0.0227665	0.0119276	0.0562976	0.397454	0.0713025	2.49E-08	0.0572808	0.0317206	0.07095098	0.5711099	5	0.61480596
ENSG00000027001	13	MIPEP	24304328	rs17339599	13	24437812	G	C	0.131213	-0.0231469	0.0139496	0.097051	0.914731	0.154676	3.34E-09	-0.0253046	0.0158389	0.110126	0.511129	6	0.64481993
ENSG00000228741	13	RP11-309I15.1	24553949	rs9553143	13	24591554	G	C	0.300199	0.00790267	0.00894477	0.376968	0.582948	0.105904	3.70E-08	0.0135564	0.0155404	0.3830277	0.1632006	11	0.85876551
ENSG00000240654	13	C1QTNF9	24881304	rs56079170	13	24476587	G	C	0.130219	-0.0244982	0.0141747	0.0839325	1.24572	0.153216	4.28E-16	-0.0196659	0.011633	0.09092616	0.7552802	11	0.64379887
ENSG00000205822	13	TPTE2P6	24982295	rs4090063	13	25154049	T	C	0.295229	-0.0024518	0.00878308	0.780128	-0.985355	0.105852	1.29E-20	0.00248825	0.00891763	0.7802248	0.990049	14	0.94953271
ENSG00000151849	13	CENPJ	25457171	rs71431724	13	25528984	A	G	0.251491	0.00020214	0.00853506	0.981106	0.598577	0.0954547	3.59E-10	0.00033769	0.014259	0.9811057	0.6230972	20	0.99593757
ENSG00000253771	13	TPTE2P1	25498815	rs7322661	13	25528110	T	C	0.402584	0.00064863	0.0088375	0.941491	-0.62239	0.0937026	3.09E-11	-0.0010422	0.0142002	0.9414949	0.9521311	20	0.99087277
ENSG00000122025	13	FLT3	28577411	rs79566936	13	28601994	A	G	0.190855	0.0170128	0.0109342	0.119728	0.875219	0.0926165	3.39E-21	0.0194383	0.0126613	0.1247213	0.8696313	9	0.65842282
ENSG00000120669	13	SOHLH2	36742345	rs9546815	13	36810084	T	G	0.471173	0.0154556	0.00822187	0.0601326	0.973056	0.0902602	4.25E-27	0.0158836	0.00857703	0.06404403	0.8411756	20	0.61339258
ENSG00000242715	13	CCDC169	36801182	rs7327905	13	36797515	A	G	0.218688	0.0121783	0.0102579	0.235145	-0.58655	0.0965888	1.26E-09	-0.0207626	0.0178196	0.2439567	0.6103205	10	0.75324972
ENSG00000236354	13	LINC00437	39107480	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.653609	0.08397	7.04E-15	0.0179496	0.0127626	0.1596004	0.1248021	12	0.67326138
ENSG00000150893	13	FREM2	39261266	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.675448	0.0707177	1.28E-21	0.0173692	0.0122821	0.1573057	0.2233735	12	0.67326138
ENSG00000168852	13	TPTE2P5	41396432	rs11147827	13	41491854	C	T	0.707753	-0.011502	0.00869609	0.185949	0.628475	0.106575	3.70E-09	-0.0183014	0.0141806	0.1968429	0.9014871	5	0.71320307
ENSG00000176268	13	CYCSP34	41437735	rs9549302	13	41417414	A	G	0.705765	-0.0094585	0.00869233	0.276534	0.868334	0.116891	1.10E-13	-0.0108927	0.0101172	0.2816369	0.5636181	10	0.78348136
ENSG00000023516	13	AKAP11	42846289	rs9594730	13	42911923	T	G	0.234592	0.00765764	0.0088337	0.386015	-0.28267	0.0469975	1.80E-09	-0.0270904	0.0315738	0.390892	0.8282362	6	0.86143514
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-0.835237	0.0644426	2.04E-38	-0.0017445	0.0114286	0.8786802	0.1056801	18	0.97812135
ENSG00000227258	13	SMIM2-AS1	44716682	rs76367685	13	44717742	T	C	0.707753	-0.0127751	0.00906909	0.15894	-0.940516	0.122763	1.84E-14	0.0135831	0.00980431	0.1659246	0.2823076	12	0.67419968
ENSG00000235903	13	CPB2-AS1	46626941	rs17600984	13	46675714	A	C	0.261431	0.00027308	0.00886137	0.975416	0.99887	0.0779875	1.48E-37	0.00027339	0.00887142	0.9754156	0.08683458	19	0.99593757
ENSG00000102547	13	CAB39L	49882786	rs35214871	13	49918175	T	G	0.142147	-0.02939	0.0109095	0.00706025	-0.813631	0.130724	4.85E-10	0.036122	0.0146105	0.01342365	0.03373155	12	0.44186828
ENSG00000123179	13	EBPL	50234859	rs9568308	13	50265238	T	C	0.0735586	0.00708956	0.0140422	0.613646	-1.1717	0.143778	3.66E-16	-0.0060507	0.0120074	0.6143252	0.8161508	14	0.92780325
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs9526708	13	51500691	A	G	0.318091	-0.0057386	0.00866177	0.507637	-0.876729	0.118131	1.16E-13	0.00654549	0.00991893	0.5093188	0.3476403	9	0.88426028
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.65209	0.0534891	3.47E-34	-0.0057921	0.0125895	0.6454607	0.4084973	20	0.93485806
ENSG00000197168	13	NEK5	52611093	rs61957455	13	52540786	T	C	0.054672	0.0127378	0.0152049	0.402177	-1.01592	0.18059	1.85E-08	-0.0125382	0.0151317	0.4073275	0.02903437	17	0.86982438
ENSG00000136108	13	CKAP2	53029564	rs9526927	13	53051627	T	C	0.564612	-0.0073419	0.00805726	0.362182	-0.554123	0.0607698	7.62E-20	0.0132496	0.014613	0.3645658	0.01280674	20	0.84538623
ENSG00000139675	13	HNRNPA1L2	53191605	rs11619767	13	53155898	T	C	0.410537	-0.008931	0.00828603	0.281107	-0.686086	0.0823839	8.23E-17	0.0130173	0.012178	0.2851061	0.0891278	20	0.7878352
ENSG00000250299	13	MRPS31P4	53191693	rs9526975	13	53255804	T	C	0.417495	-0.0055945	0.00815771	0.492845	-0.370199	0.0635983	5.85E-09	0.0151121	0.0221884	0.4958209	0.1448779	20	0.88426028
ENSG00000230223	13	ATXN8OS	70681345	rs4254198	13	70606628	T	C	0.696819	0.00683982	0.00906993	0.450776	0.596711	0.108337	3.63E-08	0.0114625	0.0153417	0.4549731	0.8708071	8	0.87797516
ENSG00000118939	13	UCHL3	76123619	rs9543976	13	76136648	A	G	0.878728	0.00423846	0.0128988	0.742462	0.769355	0.0933388	1.68E-16	0.00550911	0.016779	0.7426602	0.9791047	6	0.94727701
ENSG00000261105	13	RP11-173B14.5	76178836	rs7995740	13	76227427	C	T	0.55666	0.00544873	0.00811657	0.502023	-0.813424	0.104807	8.42E-15	-0.0066985	0.0100155	0.5036153	0.9183395	4	0.88426028
ENSG00000229865	13	RPL31P54	78996958	rs9574237	13	78993239	G	T	0.247515	0.0148809	0.00883067	0.0919623	-0.834817	0.10364	7.95E-16	-0.0178253	0.010807	0.09905966	0.08379365	11	0.64481993
ENSG00000227354	13	RBM26-AS1	79980444	rs7993295	13	79880201	A	C	0.914513	-0.0019777	0.0104271	0.849568	-1.27469	0.157152	5.01E-16	0.00155152	0.00818234	0.8496082	0.4688918	9	0.96559734
ENSG00000080166	13	DCT	95089558	rs17181808	13	95186815	A	G	0.277336	-0.0128595	0.00869389	0.139101	0.717543	0.0978018	2.19E-13	-0.0179216	0.01236	0.1470674	0.3350014	8	0.67014512
ENSG00000165621	13	OXGR1	97637973	rs1501855	13	97645202	G	A	0.602386	-0.0046828	0.00833103	0.574054	-0.438055	0.0774632	1.56E-08	0.01069	0.0191119	0.5759339	0.1215469	5	0.91214319
ENSG00000260992	13	DOCK9-AS2	99740073	rs9517610	13	99754222	A	G	0.270378	-0.0076736	0.00901641	0.394732	-0.563842	0.0961003	4.43E-09	0.0136095	0.0161584	0.3996461	0.4017221	5	0.86743868
ENSG00000139780	13	METTL21C	103338094	rs7981120	13	103346659	A	G	0.412525	-0.0013605	0.00806835	0.866093	0.49648	0.0729744	1.02E-11	-0.0027403	0.0162561	0.8661338	0.446572	9	0.97450157
ENSG00000250878	13	METTL21EP	103532449	rs6491718	13	103536364	T	C	0.300199	-0.0015646	0.00842082	0.852598	-0.491969	0.0712131	4.90E-12	0.00318034	0.0171228	0.8526504	0.225611	15	0.96738312
ENSG00000272274	13	LINC00551	107270158	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.760002	0.104208	3.03E-13	0.00114814	0.0109793	0.9167142	0.1564968	5	0.97987891
ENSG00000230156	13	LINC00443	107306264	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.920231	0.0935847	8.11E-23	0.00094823	0.00906717	0.9167103	0.07208078	12	0.97987891
ENSG00000255874	13	LINC00346	111521578	rs9559900	13	111527329	G	A	0.840954	-0.0054177	0.0105235	0.606679	-0.893065	0.155903	1.01E-08	0.00606642	0.0118311	0.6081237	0.7196954	6	0.92780325
ENSG00000153495	13	TEX29	111968531	rs942650	13	111980150	C	T	0.314115	-0.0027611	0.00892069	0.756929	0.679342	0.0943667	6.07E-13	-0.0040644	0.0131435	0.757146	0.2534763	4	0.94873228
ENSG00000235280	13	MCF2L-AS1	113621798	rs35371379	13	113616715	C	T	0.685885	0.0013506	0.00822044	0.869496	-0.55637	0.0909064	9.34E-10	-0.0024275	0.0147805	0.8695433	0.9307043	8	0.97668093
ENSG00000057593	13	F7	113760105	rs2774033	13	113765235	A	G	0.115308	0.00807955	0.0155941	0.604376	-0.512575	0.0886381	7.35E-09	-0.0157627	0.0305449	0.6058204	0.5728052	3	0.92780325
ENSG00000100814	14	CCNB1IP1	20779527	rs8019699	14	20765123	C	T	0.425447	0.00448652	0.00811835	0.58051	-0.531087	0.090514	4.43E-09	-0.0084478	0.0153539	0.5821793	0.5063236	9	0.91214319
ENSG00000092094	14	OSGEP	20914570	rs2275007	14	20920250	C	T	0.628231	0.0120996	0.00856976	0.157981	0.609301	0.0630242	4.13E-22	0.0198582	0.0142141	0.1623911	0.1137911	15	0.67326138
ENSG00000258515	14	RP11-203M5.7	20919464	rs1760944	14	20923149	G	T	0.641153	0.0136603	0.00874546	0.11829	0.45697	0.0701101	7.13E-11	0.0298932	0.0196798	0.1287678	0.185774	10	0.65842282
ENSG00000165794	14	SLC39A2	21467414	rs2149666	14	21468156	G	T	0.628231	0.017484	0.00860939	0.0422746	-0.771001	0.1167	3.93E-11	-0.022677	0.0116821	0.05223775	0.6020174	3	0.59174573
ENSG00000257285	14	RP11-298I3.1	23398818	rs34026312	14	23398995	A	G	0.342942	-0.0041446	0.00875226	0.635823	0.837383	0.0955213	1.84E-18	-0.0049495	0.0104672	0.6363137	0.1831201	15	0.93203187
ENSG00000092036	14	HAUS4	23415437	rs8016027	14	23420153	C	T	0.580517	-0.0053783	0.0081162	0.507547	-0.488597	0.0485069	7.29E-24	0.0110076	0.0166471	0.5084629	0.03156093	20	0.88426028
ENSG00000215256	14	DHRS4-AS1	24407940	rs4457918	14	24422995	G	T	0.0516899	-0.0270991	0.0509292	0.59466	-0.908287	0.120673	5.20E-14	0.0298354	0.0562116	0.5955789	0.4591287	10	0.92181392
ENSG00000187630	14	DHRS4L2	24439148	rs58909995	14	24412383	A	C	0.0497018	-0.0085856	0.0386899	0.824386	-1.07563	0.14515	1.26E-13	0.0079819	0.0359857	0.8244635	0.7973552	14	0.95573824
ENSG00000157379	14	DHRS1	24759804	rs12892419	14	24768534	T	G	0.49503	0.010087	0.00805672	0.210573	-0.700418	0.0793782	1.11E-18	-0.0144014	0.0116179	0.2151298	0.2278626	19	0.7320182
ENSG00000139899	14	CBLN3	24895738	rs4344657	14	24899364	C	G	0.759443	-0.0017308	0.00875077	0.843208	0.720865	0.0914931	3.30E-15	-0.0024011	0.0121431	0.8432568	0.08962113	6	0.96559734
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	0.794778	0.100583	2.75E-15	-0.001287	0.0101455	0.8990593	0.2240145	8	0.97987891
ENSG00000165502	14	RPL36AL	50085237	rs6572597	14	50129515	C	A	0.756461	-0.0089194	0.00941464	0.343435	0.443194	0.0601963	1.81E-13	-0.0201253	0.0214179	0.3473959	0.8519723	12	0.8363037
ENSG00000258711	14	RP11-218E20.3	51422977	rs2185303	14	51418435	T	C	0.673956	-0.0142512	0.00862138	0.0983286	-0.57275	0.0967917	3.27E-09	0.0248821	0.0156289	0.1113724	0.8563427	8	0.64481993
ENSG00000237356	14	AL163953.3	53635772	rs76337496	14	53693793	C	T	0.223658	-0.014744	0.00958852	0.124128	0.691027	0.119778	7.96E-09	-0.0213364	0.0143601	0.1373311	0.5463167	5	0.66434762
ENSG00000126775	14	ATG14	55833110	rs6573020	14	55871452	T	C	0.426441	0.0028491	0.00809451	0.724855	0.38078	0.066705	1.14E-08	0.00748227	0.0212981	0.7253542	0.4832197	10	0.94727701
ENSG00000131966	14	ACTR10	58666798	rs117034962	14	58806602	A	G	0.0497018	-0.0500366	0.0178019	0.00494265	-0.518292	0.071109	3.13E-13	0.0965413	0.0368127	0.00872864	0.886874	5	0.38540394
ENSG00000126790	14	L3HYPDH	59927081	rs1253098	14	59945536	G	A	0.469185	-0.0126899	0.00852617	0.136658	-0.657248	0.0817545	9.04E-16	0.0193076	0.013193	0.1433366	0.4733533	20	0.66790255
ENSG00000258289	14	CHURC1	65381079	rs2412065	14	65407657	G	C	0.186879	0.00757463	0.00960444	0.430312	0.912638	0.0713381	1.79E-37	0.00829971	0.0105438	0.4311854	0.927017	20	0.8760777
ENSG00000171723	14	GPHN	66974125	rs74396645	14	66740179	G	T	0.0109344	0.0855779	0.0594888	0.150277	0.899016	0.160687	2.21E-08	0.0951906	0.0683234	0.1635481	0.5599764	6	0.67326138
ENSG00000184227	14	ACOT1	74003818	rs2041073	14	73972535	C	T	0.497018	0.0091672	0.0082223	0.264885	-0.56989	0.0849472	1.96E-11	-0.0160859	0.0146258	0.2714042	0.6196996	19	0.77614389
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.753447	0.100836	7.90E-14	-0.0251934	0.0113112	0.02592794	0.2374774	20	0.47366505
ENSG00000119673	14	ACOT2	74034324	rs8015976	14	74055115	A	G	0.745527	0.018678	0.00923757	0.0431807	-0.600662	0.0899421	2.42E-11	-0.0310957	0.0160684	0.0529648	0.3539317	14	0.59174573
ENSG00000177465	14	ACOT4	74058410	rs3742819	14	74058832	T	C	0.392644	-0.0067287	0.00840019	0.423123	0.464059	0.0830991	2.34E-08	-0.0144996	0.0182868	0.4278368	0.09150818	6	0.8760777
ENSG00000205669	14	ACOT6	74077649	rs12436753	14	74087919	G	A	0.464215	-0.0007267	0.00826794	0.92996	-0.516986	0.0768644	1.74E-11	0.00140566	0.0159939	0.9299664	0.1874455	6	0.98752622
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.00088	0.106028	3.74E-21	-0.0154087	0.0107987	0.1536063	0.6085888	13	0.67219629
ENSG00000258586	14	RP5-1021I20.2	74289262	rs12887033	14	74292128	T	C	0.125249	-0.0162516	0.0106719	0.127798	0.948853	0.127443	9.67E-14	-0.0171276	0.01148	0.1357117	0.9973529	7	0.66434762
ENSG00000140043	14	PTGR2	74318547	rs1476748	14	74552048	C	T	0.910537	-0.0193141	0.0162044	0.233298	-0.527193	0.0777827	1.22E-11	0.0366357	0.0312088	0.2404385	0.700228	18	0.75060943
ENSG00000119718	14	EIF2B2	75469614	rs7157158	14	75457238	G	A	0.539761	0.00524559	0.00807019	0.515694	0.416157	0.0672623	6.13E-10	0.0126048	0.0194989	0.5179956	0.02129691	11	0.88902293
ENSG00000269883	14	AC007375.1	77607026	rs754119	14	77609319	G	A	0.628231	0.0119187	0.00814244	0.143255	-0.547707	0.0745142	1.98E-13	-0.0217611	0.0151583	0.1511203	0.3110846	6	0.67014512
ENSG00000100577	14	GSTZ1	77787227	rs4147578	14	77790416	A	G	0.287276	-0.002013	0.0083494	0.809483	0.453786	0.0648103	2.53E-12	-0.004436	0.0184103	0.8095939	0.2392597	17	0.95331821
ENSG00000042317	14	SPATA7	88851268	rs60503594	14	88874915	C	T	0.302187	-0.0072051	0.00893216	0.419871	-0.639585	0.056411	8.51E-30	0.0112653	0.0140009	0.4210436	0.689117	20	0.8760777
ENSG00000258983	14	RP11-507K2.2	88965678	rs12587386	14	88827764	T	A	0.230616	-0.010717	0.00943012	0.255761	0.604724	0.0971517	4.83E-10	-0.0177221	0.0158519	0.2635739	0.9416834	15	0.77270625
ENSG00000165929	14	TC2N	92246095	rs61990092	14	92289301	T	C	0.34493	0.00579724	0.00832098	0.48599	0.697263	0.0966743	5.49E-13	0.00831428	0.0119893	0.4880123	0.6669236	12	0.88426028
ENSG00000165948	14	IFI27L1	94547628	rs3818119	14	94567032	T	C	0.513917	0.00861411	0.00840695	0.305532	0.444063	0.0770314	8.18E-09	0.0193984	0.0192286	0.3130564	0.8874931	6	0.81378166
ENSG00000119698	14	PPP4R4	94612465	rs1950641	14	94750292	A	G	0.168986	-0.0077441	0.0102215	0.448672	-0.32188	0.0524138	8.19E-10	0.0240589	0.0319964	0.452095	0.8151629	4	0.87797516
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.872546	0.106919	3.33E-16	-0.0206757	0.0146598	0.158432	0.5397303	6	0.67326138
ENSG00000230805	14	AL132709.1	101540206	rs35822182	14	101541334	C	G	0.356859	0.00254359	0.00807559	0.752783	-0.458919	0.077888	3.81E-09	-0.0055426	0.0176221	0.7531234	0.4072251	4	0.94873228
ENSG00000271780	14	RP11-1017G21.5	102414684	rs2448241	14	102414767	A	G	0.084493	0.00781294	0.0125819	0.534621	0.846955	0.152891	3.03E-08	0.00922474	0.0149485	0.5371677	0.7259165	3	0.8989244
ENSG00000156381	14	ANKRD9	102973179	rs2273905	14	102974999	C	T	0.631213	-0.0089102	0.00809867	0.271243	0.38713	0.06566	3.72E-09	-0.023016	0.0212809	0.279459	0.03172385	8	0.7820888
ENSG00000259775	14	RP11-45P15.4	103798011	rs4246	14	103811249	C	A	0.111332	0.00352247	0.0136003	0.795636	-0.727054	0.112887	1.19E-10	-0.0048449	0.0187212	0.7957971	0.07923602	10	0.95044568
ENSG00000140104	14	C14orf79	105452112	rs12883995	14	105449928	G	C	0.212724	0.0109578	0.00907887	0.227449	0.66964	0.0739298	1.33E-19	0.0163637	0.0136777	0.2315476	0.5495218	20	0.73684422
ENSG00000183828	14	NUDT14	105639275	rs10873554	14	105648606	A	G	0.625249	-0.0087477	0.00835417	0.295052	0.539222	0.0617068	2.36E-18	-0.0162228	0.0156038	0.2984951	0.5097761	11	0.80544615
ENSG00000259905	15	PWRN1	24738284	rs7167211	15	24800374	A	C	0.404573	-0.0026053	0.00817572	0.749981	0.768051	0.103718	1.31E-13	-0.0033921	0.0106546	0.7502036	0.04966258	20	0.94873228
ENSG00000261377	15	RP11-578F21.12	29034810	rs7179973	15	29078589	C	G	0.167992	-0.0015469	0.014208	0.913303	-1.16702	0.0827099	3.30E-45	0.00132548	0.012175	0.9133062	0.2026885	20	0.97987891
ENSG00000215302	15	CTD-3092A11.1	30762982	rs4779780	15	31068171	G	A	0.475149	-0.0159275	0.00809626	0.049153	-0.644325	0.107334	1.94E-09	0.0247197	0.013223	0.06156171	0.6471542	8	0.60354597
ENSG00000198690	15	FAN1	31196055	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	-0.368155	0.0640883	9.22E-09	-0.0417976	0.0233845	0.07387121	0.2946095	5	0.61480596
ENSG00000270015	15	RP11-540B6.6	31218717	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	0.450953	0.0767235	4.16E-09	0.0341233	0.0190495	0.07324544	0.4177124	14	0.61480596
ENSG00000134160	15	TRPM1	31293264	rs7182946	15	31394868	T	G	0.578529	0.00600034	0.00807908	0.457662	-0.948084	0.0935482	3.88E-24	-0.0063289	0.00854433	0.4588665	0.9005549	8	0.88154197
ENSG00000206127	15	GOLGA8O	32737307	rs4539568	15	32902065	T	G	0.356859	0.0022643	0.00874426	0.795676	0.77619	0.114846	1.39E-11	0.0029172	0.0112739	0.7958226	0.5948069	3	0.95044568
ENSG00000254912	15	RP11-632K20.2	32786204	rs62003030	15	32815816	A	G	0.224652	-2.48E-05	0.00960548	0.997937	1.00329	0.1178	1.64E-17	-2.48E-05	0.00957398	0.9979369	0.5326917	3	0.99902179
ENSG00000261064	15	RP11-1000B6.3	32828248	rs4779582	15	32930505	C	G	0.744533	0.00616199	0.00929355	0.507305	-0.820575	0.139229	3.78E-09	-0.0075094	0.0113971	0.5099709	0.8545242	4	0.88426028
ENSG00000232653	15	GOLGA8N	32885657	rs8037102	15	32932650	G	A	0.747515	0.00669421	0.00931268	0.472248	-0.719505	0.109238	4.50E-11	-0.0093039	0.01302	0.4748658	0.9638725	4	0.88426028
ENSG00000198826	15	ARHGAP11A	32907345	rs12914314	15	32900664	A	G	0.257455	0.00598964	0.00897634	0.5046	-0.430752	0.0705173	1.01E-09	-0.0139051	0.0209627	0.5071232	0.8198268	7	0.88426028
ENSG00000259446	15	RP11-489D6.2	33595858	rs2670948	15	33595844	T	G	0.518887	-0.0057639	0.00807599	0.475404	-0.731024	0.0761994	8.51E-22	0.00788475	0.011078	0.4766219	0.415936	20	0.88426028
ENSG00000140323	15	DISP2	40650436	rs12905240	15	40672145	T	C	0.15507	0.0106495	0.0113253	0.347048	0.319452	0.0498411	1.46E-10	0.0333368	0.0358318	0.3521801	0.3041092	4	0.84122438
ENSG00000128944	15	KNSTRN	40674922	rs76994419	15	40714150	T	C	0.0954274	-0.0267312	0.0113594	0.018611	1.44842	0.115039	2.38E-36	-0.0184554	0.00797842	0.02071343	0.6972525	20	0.45306928
ENSG00000128891	15	C15orf57	40820882	rs34739056	15	40966380	T	C	0.457256	0.0298923	0.00829586	0.00031423	-0.440774	0.0576258	2.03E-14	-0.0678177	0.020805	0.00111534	0.00746331	20	0.23243814
ENSG00000137804	15	NUSAP1	41624892	rs28712264	15	41588797	C	T	0.261431	0.00991479	0.00921291	0.281845	0.978464	0.103297	2.74E-21	0.010133	0.00947626	0.2849322	0.01002714	20	0.7878352
ENSG00000137806	15	NDUFAF1	41679551	rs2730056	15	41735785	G	A	0.269384	0.0225806	0.00882653	0.0105196	-0.713369	0.0758926	5.47E-21	-0.0316535	0.0128231	0.01356905	0.05006309	20	0.44186828
ENSG00000103932	15	RPAP1	41809374	rs11632399	15	41822323	T	C	0.517893	0.00538067	0.0080655	0.504695	-0.395159	0.0661609	2.33E-09	-0.0136165	0.0205377	0.5073313	0.9047033	8	0.88426028
ENSG00000168803	15	ADAL	43622872	rs11858152	15	43634196	C	T	0.127237	0.00628945	0.0142153	0.658168	-1.04631	0.122401	1.25E-17	-0.0060111	0.0136043	0.6585971	0.09999949	20	0.93617585
ENSG00000242866	15	STRC	43891596	rs2447215	15	43941722	T	C	0.2833	-0.0222593	0.0112235	0.0473358	0.412819	0.0658379	3.61E-10	-0.0539202	0.028515	0.05863232	0.2364537	18	0.5969465
ENSG00000249839	15	AC011330.5	43955852	rs2470135	15	43995789	T	C	0.290258	-0.0252286	0.0102766	0.0140903	-0.717599	0.093896	2.13E-14	0.035157	0.0150415	0.01942219	0.2347948	20	0.45306928
ENSG00000205771	15	CATSPER2P1	44019116	rs117091329	15	44036768	A	T	0.0357853	-0.0047462	0.0168625	0.778354	-1.41519	0.160164	9.93E-19	0.00335376	0.0119214	0.7784629	0.6164142	20	0.94953271
ENSG00000185880	15	TRIM69	45021186	rs112959940	15	45092645	A	G	0.0159046	-0.0420694	0.0331701	0.204694	-1.1633	0.20961	2.86E-08	0.0361638	0.0292489	0.2163034	0.9151136	6	0.7320182
ENSG00000259479	15	CTD-2008A1.2	45118569	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	1.55247	0.215478	5.81E-13	0.00442899	0.0134871	0.7426196	0.2122492	16	0.94727701
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	1.01719	0.0961262	3.62E-26	-0.0055521	0.00811118	0.4936581	0.5187357	20	0.88426028
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.82247	0.098886	8.99E-17	-0.0063946	0.00997677	0.521557	0.5520164	16	0.88902293
ENSG00000171763	15	SPATA5L1	45694529	rs1145085	15	45657804	G	A	0.277336	0.0120755	0.00868898	0.164605	0.585504	0.105331	2.72E-08	0.0206241	0.0152969	0.177578	0.6620572	3	0.69192294
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.880094	0.0698346	2.04E-36	0.00699889	0.0105111	0.5055032	0.3969449	20	0.88426028
ENSG00000259577	15	RP11-430B1.2	52472290	rs4774612	15	52511465	T	C	0.134195	-0.0041409	0.0114944	0.718661	-0.510334	0.0780589	6.24E-11	0.00811404	0.0225575	0.7190675	0.8007415	17	0.94727701
ENSG00000047346	15	FAM214A	52873514	rs12903617	15	52875828	T	C	0.734592	0.00801168	0.00932483	0.390243	0.382898	0.061058	3.59E-10	0.0209238	0.0245808	0.3946443	0.6943289	8	0.86322972
ENSG00000225973	15	RP11-139H15.1	55609382	rs2305424	15	55581348	C	T	0.124254	-0.0126476	0.0124017	0.307809	-0.648041	0.117874	3.85E-08	0.0195167	0.0194637	0.3159951	0.05869067	3	0.81774291
ENSG00000151575	15	TEX9	56536207	rs4392004	15	56548922	G	A	0.0934394	-0.0217391	0.0164286	0.185754	-0.728843	0.112485	9.21E-11	0.0298269	0.0230059	0.1948077	0.9393096	12	0.71320307
ENSG00000185088	15	RPS27L	63418071	rs12902921	15	63449777	A	G	0.0795229	0.0165469	0.0131586	0.208573	-0.429536	0.0663281	9.42E-11	-0.0385227	0.0312067	0.2170392	0.3177426	20	0.73279345
ENSG00000166831	15	RBPMS2	65032091	rs11632928	15	65092537	T	C	0.892644	-0.01621	0.0125631	0.19695	-0.814951	0.137362	2.98E-09	0.0198908	0.0157761	0.2073758	0.1839038	5	0.72567255

ENSG00000140451	15	PIF1	65107831	rs865576	15	65147398	G	A	0.570577	0.0183619	0.00824451	0.0259358	-0.650746	0.0929002	2.47E-12	-0.0282167	0.0132943	0.03379851	0.7318058	16	0.49917972
ENSG00000090487	15	SPG21	65255362	rs2003367	15	65285025	A	G	0.533797	0.0156427	0.00811398	0.0538716	0.481088	0.068882	2.86E-12	0.0325153	0.0174966	0.06311624	0.8723466	15	0.61043305
ENSG00000166938	15	DIS3L	66585555	rs12911848	15	66817545	A	G	0.431412	-0.0112874	0.00821248	0.169313	-0.491789	0.0800623	8.12E-10	0.0229517	0.0171121	0.1798376	0.73749	3	0.69422261
ENSG00000075131	15	TIPIN	66628544	rs71242758	15	66837136	T	C	0.105368	-2.40E-05	0.014889	0.998714	1.65333	0.168538	1.02E-22	-1.45E-05	0.00900546	0.9987136	0.966009	6	0.9991022
ENSG00000260657	15	RP11-315D16.4	68560130	rs55700060	15	68574450	G	A	0.356859	0.00090277	0.00901327	0.920217	0.954048	0.100164	1.65E-21	0.00094626	0.00944792	0.9202214	0.997922	16	0.98087349
ENSG00000260469	15	RP11-8P11.3	74060555	rs28581503	15	74052323	G	A	0.535785	-0.0131597	0.00807553	0.103192	-0.550783	0.0886619	5.23E-10	0.0238927	0.015158	0.1149689	0.3345678	11	0.64720285
ENSG00000178802	15	MPI	75182346	rs12908814	15	75132490	G	C	0.582505	0.00158833	0.00809771	0.844496	0.444437	0.0661988	1.90E-11	0.0035738	0.0182279	0.8445617	0.3147083	20	0.96559734
ENSG00000140365	15	COMMD4	75628232	rs142326056	15	75614745	T	C	0.0308151	0.00638493	0.0238835	0.789211	-1.01138	0.18099	2.30E-08	-0.0063131	0.0236418	0.7894453	0.721453	3	0.95044568
ENSG00000140400	15	MAN2C1	75648133	rs4462560	15	75647964	C	G	0.713718	-0.0034216	0.00971001	0.724554	-0.37835	0.0617652	9.03E-10	0.00904345	0.0257065	0.7249913	0.6501439	5	0.94727701
ENSG00000169371	15	SNUPN	75890424	rs75425964	15	75906826	C	G	0.225646	0.00042826	0.00905674	0.962285	-0.502259	0.0766691	5.72E-11	-0.0008527	0.0180325	0.9622862	0.2030406	10	0.99296872
ENSG00000169752	15	NRG4	76228310	rs2959852	15	76351704	G	C	0.82008	0.0076321	0.0106331	0.472902	1.00596	0.105515	1.52E-21	0.00758688	0.0106	0.4741503	0.6660565	8	0.88426028
ENSG00000260776	15	RP11-114H24.2	78206559	rs11856914	15	78235554	C	T	0.259443	0.00789165	0.00848675	0.352433	0.848809	0.10691	2.03E-15	0.00929732	0.0100668	0.3557123	0.1866106	17	0.8429066
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.652926	0.0713321	5.52E-20	-0.0018442	0.0140038	0.8952295	0.2113106	13	0.97987891
ENSG00000169684	15	CHRNA5	78857862	rs905740	15	78844386	C	T	0.624254	-0.0019518	0.00830986	0.814309	-0.961601	0.0976655	7.14E-23	0.00202969	0.00864415	0.8143603	0.9615102	20	0.95331821
ENSG00000136378	15	ADAMTS7	79051545	rs7177143	15	79051453	A	G	0.195825	0.00233211	0.00935332	0.803101	-0.557994	0.086717	1.24E-10	-0.0041795	0.016775	0.8032463	0.1380509	3	0.95309829
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.745127	0.0929675	1.10E-15	-0.0059778	0.0109099	0.5837455	0.4200847	9	0.91214319
ENSG00000259417	15	RP11-2E17.1	80487826	rs3743422	15	80503826	T	C	0.650099	-0.0047281	0.00819962	0.564196	0.312253	0.0544834	9.97E-09	-0.0151418	0.0263921	0.5661553	0.591767	6	0.91214319
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-1.02398	0.0966928	3.31E-26	0.00054811	0.010113	0.9567769	0.1521455	19	0.99296872
ENSG00000188659	15	FAM154B	82555151	rs113413540	15	82581577	G	A	0.0337972	-0.0098845	0.0178084	0.578862	1.55024	0.237619	6.84E-11	-0.0063761	0.011529	0.5802298	0.6371767	8	0.91214319
ENSG00000197978	15	GOLGA6L9	82722223	rs11630197	15	82574879	C	T	0.287276	-0.0061997	0.0087348	0.477846	-0.631462	0.0957099	4.18E-11	0.00981803	0.0139125	0.4803751	0.6389358	20	0.88426028
ENSG00000169609	15	C15orf40	83657193	rs1037403	15	83664191	G	C	0.481113	-0.0102745	0.00806234	0.202527	-0.805675	0.0853971	3.93E-21	0.0127527	0.0100978	0.2066206	0.6917753	20	0.72537801
ENSG00000225151	15	AC103965.1	84867600	rs12898924	15	84761475	G	T	0.276342	-0.0114894	0.00913116	0.208296	-0.728981	0.107254	1.07E-11	0.0157609	0.0127388	0.2159978	0.4290176	20	0.7320182
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.866976	0.128828	1.70E-11	0.00828731	0.011993	0.4895584	0.1178827	15	0.88426028
ENSG00000230373	15	GOLGA6L5	85051116	rs6496090	15	85140587	A	G	0.761431	-0.0076981	0.00965467	0.425253	-0.621875	0.0837293	1.11E-13	0.0123788	0.0156143	0.4279023	0.99842	20	0.8760777
ENSG00000176700	15	SCAND2P	85174682	rs72630464	15	85298126	A	G	0.140159	0.00266709	0.0110756	0.809705	0.602098	0.101223	2.71E-09	0.00442966	0.0184101	0.8098569	0.108201	4	0.95331821
ENSG00000259295	15	CSPG4P12	85734669	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.676249	0.0993754	1.01E-11	0.00306201	0.0120656	0.7996654	0.8465184	15	0.95044568
ENSG00000229212	15	RP11-561C5.4	85747141	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.76791	0.0893602	8.44E-18	0.00269651	0.0106226	0.7996145	0.7632812	20	0.95044568
ENSG00000188388	15	GOLGA6L3	85783703	rs62021171	15	85128550	A	G	0.180915	0.00698071	0.0102976	0.497836	0.809695	0.130947	6.27E-10	0.00862141	0.0127941	0.5004008	0.1208539	11	0.88426028
ENSG00000259416	15	RP11-158M2.5	86298172	rs11073516	15	86285227	C	G	0.196819	0.00341207	0.0101749	0.737368	-0.753909	0.110638	9.48E-12	-0.0045258	0.0135125	0.737673	0.9139642	20	0.94727701
ENSG00000140522	15	RLBP1	89753100	rs17228503	15	89763206	C	T	0.387674	0.00477058	0.00812902	0.557299	0.357117	0.0574823	5.21E-10	0.0133586	0.0228642	0.5590474	0.07778829	20	0.91086573
ENSG00000261478	15	RP11-429B14.4	90052192	rs12101521	15	90043983	G	A	0.345924	0.0019938	0.008381	0.811962	0.747995	0.0843153	7.22E-19	0.00266553	0.0112086	0.8120287	0.9143496	8	0.95331821
ENSG00000157823	15	AP3S2	90373831	rs28615960	15	90411208	T	C	0.745527	0.00853535	0.00926009	0.356666	-0.581964	0.073563	2.55E-15	-0.0146665	0.0160194	0.3599073	0.05278467	5	0.8429066
ENSG00000259685	15	CTD-2315E11.1	90645881	rs7169036	15	90655597	G	A	0.728628	0.00697376	0.00864893	0.420062	0.461993	0.0816219	1.51E-08	0.0150949	0.0189099	0.424722	0.2654182	7	0.8760777
ENSG00000140575	15	IQGAP1	90931450	rs2158406	15	90994499	C	T	0.445328	-0.0089235	0.00807274	0.268995	0.385472	0.0517548	9.47E-14	-0.0231494	0.0211719	0.2742163	0.5831763	20	0.77954811
ENSG00000166965	15	RCCD1	91498100	rs1105291	15	91502383	T	C	0.144135	0.00016998	0.0110982	0.98778	0.762723	0.0926029	1.77E-16	0.00022286	0.0145508	0.9877803	0.4146248	20	0.99593757
ENSG00000258741	15	RP11-386M24.4	93258989	rs2387916	15	93267336	T	C	0.536779	-0.0110795	0.00821689	0.177537	0.679982	0.120763	1.79E-08	-0.0162938	0.0124256	0.1897542	0.3331596	19	0.70772219
ENSG00000103852	15	TTC23	99676528	rs113853491	15	99762627	A	G	0.481113	-0.0018624	0.00812739	0.818756	-0.325288	0.0496517	5.70E-11	0.00572527	0.0250005	0.8188642	0.5022967	20	0.95515845
ENSG00000183060	15	LYSMD4	100255902	rs11631604	15	100273617	C	T	0.683897	-0.0006304	0.00862278	0.941717	-0.70279	0.0784391	3.26E-19	0.00089704	0.0122698	0.9417188	0.3422091	20	0.99087277
ENSG00000182397	15	DNM1P46	100330361	rs12591698	15	100328211	C	T	0.297217	0.00438837	0.00889313	0.62169	-0.764088	0.10297	1.17E-13	-0.0057433	0.0116646	0.6224587	0.7628786	20	0.92817169
ENSG00000259363	15	CTD-2054N24.2	100347228	rs12917012	15	100408983	A	G	0.389662	0.00601223	0.00817993	0.462341	-0.747396	0.108693	6.15E-12	-0.0080442	0.0110069	0.4648802	0.9928581	20	0.88426028
ENSG00000154227	15	CERS3	100940600	rs72761238	15	101105042	T	C	0.132207	-0.0192481	0.0109478	0.0787191	-0.82047	0.137928	2.71E-09	0.0234598	0.0139139	0.09178286	0.6716383	4	0.64379887
ENSG00000270127	15	RP11-526I2.5	101087972	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.989656	0.082539	4.00E-33	0.00335759	0.00821802	0.6828593	0.1721978	20	0.9461177
ENSG00000259205	15	PRKXP1	101093734	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-0.947256	0.0916978	5.15E-25	0.00308279	0.00857616	0.7192508	0.1511941	20	0.94727701
ENSG00000259658	15	RP11-89K11.1	102277302	rs62026997	15	102312835	T	C	0.2167	0.0067978	0.0101118	0.501415	0.759861	0.0970201	4.80E-15	0.00894611	0.0133564	0.5029846	0.464274	20	0.88426028
ENSG00000185596	15	WASH3P	102501356	rs2203348	15	102366849	A	G	0.759443	0.0197164	0.00914337	0.0310556	-0.757503	0.13278	1.16E-08	-0.0260281	0.0129039	0.0436873	0.6787322	14	0.54553825
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.948904	0.098151	4.13E-22	0.00522283	0.0111427	0.639268	0.6044263	11	0.93439161
ENSG00000226942	16	IL9RP3	79336	rs9939959	16	87376	A	C	0.238569	-0.0038949	0.0105847	0.712894	-0.673277	0.12275	4.14E-08	0.00578494	0.0157565	0.7135098	0.862654	5	0.94727701
ENSG00000103148	16	NPRL3	134273	rs2562191	16	178543	A	G	0.382704	0.00270923	0.00818324	0.740592	-0.591773	0.071225	9.69E-17	-0.0045782	0.0138393	0.7407895	0.6601746	9	0.94727701
ENSG00000268836	16	LA16c-OS12.2	235747	rs7199414	16	280860	C	T	0.474155	0.0157939	0.00809173	0.0509554	0.725979	0.0929598	5.74E-15	0.0217553	0.0114888	0.05827674	0.8980994	20	0.5969465
ENSG00000242612	16	DECR2	451826	rs3743890	16	456416	G	T	0.531809	-0.0119872	0.00811066	0.139419	-0.433248	0.069936	5.83E-10	0.0276682	0.019246	0.150545	0.2161574	10	0.67014512
ENSG00000007541	16	PIGQ	616995	rs4144003	16	645968	T	C	0.429423	0.0213395	0.00804516	0.00799061	-0.307389	0.0488733	3.18E-10	-0.0694218	0.0284048	0.01452487	0.3027423	12	0.44186828
ENSG00000127578	16	WFIKKN1	679239	rs2269556	16	675215	A	G	0.255467	0.0230837	0.00857783	0.00712197	0.947501	0.0879318	4.50E-27	0.0243627	0.00933117	0.00903051	0.3371899	20	0.3871142
ENSG00000103245	16	NARFL	779753	rs2071951	16	783004	C	T	0.240557	-0.0005454	0.00866336	0.949806	0.471526	0.0748887	3.05E-10	-0.0011566	0.0183739	0.9498084	0.5545627	10	0.99296872
ENSG00000103227	16	LMF1	903634	rs3809674	16	1030002	A	G	0.183897	-0.0196593	0.0127001	0.121631	0.565026	0.0722828	5.41E-15	-0.0347936	0.0229135	0.1288942	0.1280953	20	0.65842282
ENSG00000260807	16	RP11-161M6.2	1025761	rs3751670	16	1032632	A	C	0.135189	-0.0143161	0.015115	0.343567	-0.530455	0.082449	1.25E-10	0.0269883	0.0288015	0.3487351	0.2827056	10	0.8363037
ENSG00000197253	16	TPSB2	1277272	rs2745145	16	1277472	G	A	0.737575	0.00486401	0.00979518	0.619491	-1.09382	0.108031	4.28E-24	-0.0044468	0.00896578	0.6199116	0.8469846	20	0.92780325
ENSG00000095917	16	TPSD1	1306060	rs3874639	16	1294822	G	A	0.511928	0.00219776	0.00841389	0.793933	0.73932	0.093407	2.47E-15	0.00297268	0.0113868	0.7940431	0.2615224	17	0.95044568
ENSG00000260182	16	RP11-616M22.5	1307340	rs2745084	16	1294025	G	A	0.513917	0.00219709	0.00841346	0.793984	0.554502	0.0887591	4.18E-10	0.00396228	0.0151863	0.7941603	0.5356175	7	0.95044568
ENSG00000197599	16	CCDC154	1484384	rs35313796	16	1503310	A	G	0.0884692	0.00375658	0.0165715	0.820666	1.07094	0.123095	3.32E-18	0.00350774	0.015479	0.8207252	0.374584	20	0.95533382
ENSG00000206053	16	HN1L	1728257	rs113571946	16	1728147	G	A	0.209742	0.0094894	0.0119051	0.425401	0.384268	0.0630362	1.09E-09	0.0246947	0.031245	0.429318	0.945963	3	0.8760777
ENSG00000099769	16	IGFALS	1840414	rs12599644	16	1959185	T	C	0.0874751	0.00436022	0.0122524	0.721941	-0.758679	0.131618	8.20E-09	-0.0057471	0.0161804	0.722447	0.101181	8	0.94727701
ENSG00000063854	16	HAGH	1845621	rs7185299	16	1879423	T	C	0.134195	-0.0149041	0.0112469	0.18511	0.381481	0.0556327	7.03E-12	-0.0390691	0.0300277	0.1932241	0.1833179	20	0.71196715
ENSG00000180185	16	FAHD1	1876968	rs1657093	16	1919451	G	A	0.826044	0.0006543	0.00929944	0.943908	-0.840247	0.0696206	1.54E-33	-0.0007787	0.0110677	0.943909	0.2314822	17	0.99151745
ENSG00000162039	16	MEIOB	1883984	rs9652778	16	1886673	C	G	0.183897	-0.0001575	0.00928764	0.986474	-0.745508	0.117022	1.88E-10	0.0002112	0.0124582	0.9864741	0.3359687	15	0.99593757
ENSG00000255513	16	AC005363.9	2013746	rs72764892	16	2013715	G	C	0.139165	-0.0003976	0.0117533	0.973012	0.996573	0.127905	6.62E-15	-0.000399	0.0117938	0.9730126	0.4746613	13	0.99535579
ENSG00000167965	16	MLST8	2254249	rs3160	16	2259191	C	T	0.449304	-0.0054342	0.00809891	0.502232	0.323183	0.0493934	6.03E-11	-0.0168147	0.0251913	0.5044641	0.3097521	19	0.88426028
ENSG00000260778	16	MIR940	2318156	rs12599229	16	2323394	A	G	0.400596	-0.0113421	0.0082307	0.168197	0.409727	0.0736404	2.64E-08	-0.0276821	0.0206952	0.181024	0.7848319	5	0.69422261
ENSG00000261613	16	RP11-20I23.13	2604061	rs12185166	16	2713728	T	C	0.261431	0.00710752	0.0091735	0.438465	1.36029	0.130617	2.13E-25	0.005225	0.00676242	0.4397278	0.4037354	13	0.8760777
ENSG00000260176	16	CTD-3126B10.4	2694085	rs7190820	16	2709661	C	T	0.405567	0.0074706	0.00846949	0.377744	-0.869042	0.116394	8.24E-14	-0.0085964	0.00981355	0.3810471	0.1597862	5	0.85579268
ENSG00000260565	16	ERVK13-1	2710350	rs11648529	16	2725256	G	A	0.413519	0.00782258	0.00846913	0.355664	-0.870387	0.0745591	1.74E-31	-0.0089875	0.00976071	0.3571651	0.399364	11	0.8429066
ENSG00000103355	16	PRSS33	2833954	rs11076829	16	2837603	T	C	0.765408	0.00146148	0.00980742	0.88154	-0.798556	0.111861	9.41E-13	-0.0018302	0.0122841	0.8815652	0.9872552	7	0.97812135
ENSG00000263280	16	LA16c-325D7.2	2916349	rs73479145	16	2921074	C	T	0.399602	0.00534599	0.00874225	0.540861	0.734459	0.0985586	9.19E-14	0.00727881	0.011943	0.5422174	0.554851	13	0.8990588
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.872632	0.0741813	6.02E-32	0.0094092	0.00942311	0.3180253	0.2848857	20	0.8199023
ENSG00000127564	16	PKMYT1	3018025	rs2524316	16	3054011	G	C	0.612326	-0.0097591	0.00819861	0.233914	0.538798	0.0862018	4.09E-10	-0.0181127	0.01549	0.2422741	0.4205404	12	0.75158302
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2717705	16	3053466	C	G	0.615308	-0.0102985	0.00819718	0.20899	1.02195	0.0822132	1.79E-35	-0.0100773	0.00806198	0.2113074	0.6940655	20	0.73142018
ENSG00000213937	16	CLDN9	3062457	rs2526272	16	3053912	T	G	0.626243	-0.0074388	0.00821996	0.365482	0.625898	0.0628792	2.42E-23	-0.011885	0.0131872	0.3674543	0.6327021	20	0.84538623
ENSG00000008517	16	IL32	3115298	rs45499297	16	3115272	C	T	0.112326	0.00804293	0.0190773	0.673319	-0.808641	0.120042	1.62E-11	-0.0099462	0.023638	0.6739204	0.9924571	4	0.94352302
ENSG00000263072	16	RP11-473M20.14	3166043	rs11649450	16	3181996	A	G	0.374751	0.0164587	0.00855509	0.0543726	0.722452	0.0793889	9.02E-20	0.0227817	0.0121035	0.05980254	0.1353372	19	0.5969465
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	1.06886	0.111759	1.13E-21	0.0173738	0.0132272	0.1890182	0.00036014	20	0.70631233
ENSG00000167984	16	NLRC3	3589033	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	-1.08895	0.13076	8.23E-17	-0.0170533	0.0130222	0.1903458	0.00125045	20	0.70839193
ENSG00000262246	16	CORO7	4404543	rs3747580	16	4455675	A	G	0.738569	0.00179782	0.00916071	0.844412	0.561636	0.0769639	2.93E-13	0.00320104	0.0163167	0.8444674	0.3982759	20	0.96559734
ENSG00000153406	16	NMRAL1	4511681	rs4424915	16	4518392	A	G	0.712724	0.00130504	0.00925275	0.887836	-0.557427	0.0691739	7.73E-16	-0.0023412	0.0166016	0.8878527	0.150974	20	0.97971665
ENSG00000102858	16	MGRN1	4666494	rs865775	16	4735528	T	C	0.565606	0.00644444	0.00822328	0.433226	0.58331	0.0543654	7.41E-27	0.0110481	0.0141352	0.4344495	0.6329974	20	0.8760777
ENSG00000103199	16	ZNF500	4798240	rs841227	16	4734513	T	C	0.506958	0.00845771	0.00809263	0.295971	-0.435031	0.0760428	1.06E-08	-0.0194416	0.0189103	0.3039038	0.2596011	20	0.80715034
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.876372	0.105773	1.18E-16	0.0045165	0.00930188	0.6272889	0.1263135	20	0.92830685
ENSG00000267077	16	RP11-127I20.5	4845266	rs113531089	16	4843008	A	G	0.290258	-0.0207927	0.0101725	0.0409525	0.986965	0.12022	2.22E-16	-0.0210673	0.0106215	0.04731621	0.01129255	20	0.56578717
ENSG00000067836	16	ROGDI	4846969	rs56400014	16	4846533	A	G	0.5	0.0040816	0.00813853	0.616009	-0.348584	0.0495862	2.07E-12	-0.0117091	0.0234067	0.6169031	0.6875569	8	0.92780325
ENSG00000261810	16	RP11-895K13.2	10127541	rs837694	16	10110040	G	A	0.624254	0.0141725	0.00819198	0.0836219	0.590284	0.0817502	5.18E-13	0.0240096	0.0142708	0.092486	0.1944325	17	0.64379887
ENSG00000175643	16	RMI2	11343476	rs12149160	16	11439303	T	G	0.519881	-0.0031603	0.00813255	0.697572	-0.888124	0.0781257	6.04E-30	0.00355841	0.00916235	0.6977398	0.1229009	20	0.94727701
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.21735	0.0857227	9.03E-46	0.00452704	0.0066395	0.4953436	0.01357233	20	0.88426028
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.683622	0.0860113	1.89E-15	0.0262731	0.0124278	0.03450932	0.3601264	20	0.49917972
ENSG00000260735	16	RP11-72I8.1	15188268	rs2665222	16	15255251	T	C	0.152087	0.0335247	0.01227	0.00629014	0.718956	0.130241	3.39E-08	0.0466297	0.0190425	0.01433655	0.03559335	13	0.44186828
ENSG00000188599	16	NPIPP1	15198178	rs7404466	16	15129092	T	C	0.837972	-0.0173501	0.0114894	0.131021	-0.487231	0.075315	9.85E-11	0.0356096	0.0242149	0.1414092	0.04658451	15	0.66434762
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	0.825248	0.0924605	4.44E-19	-0.0217642	0.0102193	0.03319447	0.3183084	20	0.49917972
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.381796	0.0568132	1.81E-11	-0.0040493	0.0240907	0.8665156	0.4748216	10	0.97450157
ENSG00000263335	16	AF001548.5	15820531	rs55871015	16	15810211	A	G	0.294235	-0.0004519	0.00884349	0.959249	0.931196	0.0987753	4.20E-21	-0.0004853	0.00949706	0.95925	0.3462593	20	0.99296872
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.959223	0.097628	8.76E-23	-0.0165849	0.0114012	0.1457642	0.9736206	9	0.66882039
ENSG00000227827	16	RP11-958N24.2	16450081	rs2007413	16	16308675	T	C	0.202783	0.0134307	0.0125017	0.282684	0.945495	0.134276	1.90E-12	0.0142049	0.0133754	0.2882264	0.453228	7	0.79312509
ENSG00000103544	16	C16orf62	19566562	rs72767597	16	19670068	C	T	0.262425	-0.0266613	0.00853641	0.00178871	-0.502653	0.0891156	1.70E-08	0.0530412	0.0194124	0.00628878	0.6496282	7	0.34466003
ENSG00000103550	16	KNOP1	19714902	rs720175	16	19721731	G	A	0.163022	0.0277792	0.011499	0.0157011	1.05423	0.117426	2.76E-19	0.0263502	0.0112955	0.01965798	0.2546094	8	0.45306928
ENSG00000260306	16	RP11-645C24.5	21805416	rs2974875	16	21809014	T	G	0.197813	-0.038164	0.00910239	2.76E-05	-0.696621	0.091796	3.23E-14	0.0547845	0.0149281	0.00024266	0.05508163	20	0.15959104
ENSG00000261090	16	RP11-20G6.2	23031658	rs7203294	16	23046252	C	T	0.602386	-0.0055143	0.00820908	0.501758	0.587728	0.0897279	5.75E-11	-0.0093824	0.0140407	0.5039909	0.6078173	10	0.88426028
ENSG00000103356	16	EARS2	23533335	rs250553	16	23441465	C	G	0.16998	-0.0153226	0.00940064	0.10311	-0.581855	0.0827448	2.04E-12	0.0263341	0.0165847	0.1123192	0.2278224	9	0.64481993
ENSG00000262587	16	RP11-266L9.4	25043202	rs7404350	16	25044449	C	T	0.667992	-0.0033685	0.00934546	0.718517	0.658212	0.110469	2.55E-09	-0.0051177	0.0142242	0.7190082	0.4060419	3	0.94727701
ENSG00000259954	16	IL21R-AS1	27458990	rs4787979	16	27618982	G	A	0.84493	-0.0375886	0.0122586	0.00216716	1.19412	0.12167	9.76E-23	-0.0314781	0.0107552	0.00342484	0.2733964	18	0.26312201
ENSG00000197165	16	SULT1A2	28603264	rs743590	16	28608230	A	G	0.326044	-0.0067086	0.00808517	0.406686	0.964708	0.103491	1.14E-20	-0.006954	0.00841409	0.4085361	0.4387882	20	0.87139646
ENSG00000196502	16	SULT1A1	28616903	rs4787458	16	28531287	G	A	0.323062	-0.0062442	0.00807734	0.439489	-0.660919	0.0957687	5.16E-12	0.00944781	0.0122978	0.4423378	0.4474878	20	0.8760777
ENSG00000260953	16	RP11-426C22.6	29273594	rs11865101	16	29288501	C	T	0.378728	0.00559805	0.00832598	0.501355	-0.714559	0.0897426	1.69E-15	-0.0078343	0.0116934	0.5028738	0.3447899	8	0.88426028
ENSG00000103485	16	QPRT	29674600	rs9933310	16	29690904	G	A	0.39165	0.0138543	0.00815579	0.0893738	-0.504878	0.0701135	5.98E-13	-0.0274409	0.0165974	0.09826452	0.3702419	4	0.64481993
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.61588	0.0906074	1.07E-11	0.0169026	0.014628	0.2478848	0.2934693	8	0.75847259
ENSG00000183604	16	RP11-347C12.2	30234230	rs4788408	16	30340674	G	A	0.431412	-0.0108318	0.00826638	0.19008	0.683157	0.114061	2.11E-09	-0.0158555	0.0123865	0.2005214	0.05738636	8	0.71801946
ENSG00000103496	16	STX4	31044210	rs17839567	16	31057945	G	A	0.368787	-0.004301	0.00824063	0.601725	-0.304797	0.0557908	4.68E-08	0.0141109	0.0271596	0.6033733	0.9966698	4	0.92642453
ENSG00000155393	16	HEATR3	50099852	rs2287197	16	50106594	C	T	0.709742	0.00101991	0.00953666	0.914832	0.861838	0.0940465	5.00E-20	0.00118341	0.0110662	0.9148374	0.02240769	20	0.97987891
ENSG00000103479	16	RBL2	53467889	rs6499617	16	53467722	G	A	0.466203	0.00098393	0.00840377	0.906795	-0.336029	0.0518616	9.21E-11	-0.0029281	0.0250131	0.9068103	0.1569288	5	0.97987891
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	0.771242	0.137132	1.86E-08	-0.0107508	0.0143622	0.4541307	0.7721997	5	0.87797516
ENSG00000103021	16	CCDC113	58265061	rs150121097	16	58349806	T	C	0.105368	-0.0066174	0.0107982	0.539992	-0.506215	0.0847246	2.30E-09	0.0130723	0.0214432	0.5421101	0.2519096	8	0.8990588
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.573204	0.0911712	3.23E-10	-0.0255016	0.0152034	0.09347122	0.1358133	8	0.64379887
ENSG00000184939	16	ZFP90	68563993	rs1170435	16	68607398	A	C	0.5666	0.0145613	0.00835318	0.081298	-0.432557	0.0705456	8.70E-10	-0.0336633	0.0200764	0.09358974	0.6697914	12	0.64379887
ENSG00000141076	16	CIRH1A	69165194	rs75086474	16	69431163	A	G	0.0308151	0.0462288	0.0246438	0.0606722	-1.36648	0.217833	3.54E-10	-0.0338306	0.0188236	0.07229716	0.2824804	12	0.61480596
ENSG00000132612	16	VPS4A	69345259	rs7199566	16	69276047	G	C	0.228628	0.00830741	0.00950007	0.381869	0.399479	0.0717076	2.53E-08	0.0207956	0.0240723	0.3876538	0.2166579	8	0.86143514
ENSG00000141101	16	NOB1	69775770	rs3811348	16	69782855	T	C	0.573559	0.0116225	0.00821582	0.157173	0.39379	0.0687079	9.96E-09	0.0295145	0.0214896	0.1696185	0.5421596	8	0.6779252
ENSG00000157322	16	CLEC18A	69984810	rs3192882	16	69975631	T	A	0.397614	-0.0065461	0.0080862	0.418208	-1.02957	0.107924	1.43E-21	0.00635805	0.00788219	0.4198764	0.04436248	20	0.8760777
ENSG00000226232	16	RP11-419C5.2	70010291	rs3874545	16	70024547	T	G	0.377734	-0.0004413	0.00845209	0.958363	-0.755632	0.0760268	2.82E-23	0.00058397	0.0111856	0.9583638	0.09561959	20	0.99296872
ENSG00000255185	16	PDXDC2P	70044654	rs62052489	16	70116665	C	T	0.407555	-0.0032924	0.00807376	0.68343	-0.677234	0.0815397	9.93E-17	0.00486151	0.011936	0.6837898	0.01228269	20	0.9461177
ENSG00000261556	16	RP11-296I10.6	70253477	rs4247108	16	70243685	A	G	0.436382	-0.0091837	0.00808691	0.256111	-0.480362	0.0654394	2.13E-13	0.0191184	0.0170353	0.2617437	0.07114774	20	0.77251343
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.639289	0.0609112	9.07E-26	0.0378031	0.0133799	0.00472264	0.02773559	20	0.28633186
ENSG00000102967	16	DHODH	72042487	rs72787038	16	72066102	C	A	0.171968	0.0312827	0.0102407	0.00225253	-0.584042	0.103643	1.75E-08	-0.0535624	0.0199448	0.00724141	0.05517104	9	0.36634087
ENSG00000261701	16	HPR	72088522	rs2287997	16	72140553	A	G	0.188867	0.00838521	0.010231	0.412451	1.04594	0.112635	1.60E-20	0.00801691	0.00981966	0.4142629	0.08621703	20	0.8760777
ENSG00000168411	16	RFWD3	74655292	rs6564132	16	74548007	A	G	0.44334	0.0080956	0.00805177	0.314684	-0.510763	0.0873404	4.98E-09	-0.01585	0.0159955	0.3217322	0.5658383	4	0.82362657
ENSG00000184517	16	ZFP1	75182390	rs374106642	16	75182433	C	A	0.0198807	0.0576973	0.0298913	0.0535772	-1.26754	0.171232	1.34E-13	-0.0455191	0.0243707	0.06179234	0.5154444	8	0.60354597
ENSG00000205078	16	SYCE1L	77233294	rs2343035	16	77242513	T	C	0.727634	0.014835	0.0088191	0.0925401	-0.929775	0.0908303	1.36E-24	-0.0159555	0.00961242	0.09693824	0.1427553	20	0.64481993
ENSG00000140873	16	ADAMTS18	77281710	rs2562115	16	77394592	G	A	0.592445	0.00175468	0.00805877	0.827636	-0.985167	0.0997051	5.04E-23	-0.0017811	0.00818209	0.8276764	0.5971504	20	0.95665234
ENSG00000261707	16	RP11-264M12.2	77775365	rs9319516	16	77782258	A	G	0.464215	0.00469794	0.00804647	0.559321	-0.725409	0.110732	5.71E-11	-0.0064763	0.0111363	0.5608725	0.7504323	12	0.91153331
ENSG00000261390	16	RP11-345M22.2	79750622	rs7194711	16	79749031	C	T	0.414513	0.0140988	0.00844969	0.0952051	-0.746105	0.0938378	1.85E-15	-0.0188965	0.0115718	0.1024715	0.4566127	14	0.64481993
ENSG00000260213	16	RP11-303E16.3	81050397	rs71400133	16	81050218	C	A	0.229622	-0.0036421	0.00866215	0.674149	-0.607072	0.0984132	6.89E-10	0.00599945	0.0143018	0.6748595	0.5475211	20	0.94365542
ENSG00000140905	16	GCSH	81115566	rs2317085	16	81138065	G	C	0.915507	-0.000771	0.0123814	0.950349	0.424507	0.0654589	8.87E-11	-0.0018162	0.0291679	0.9503512	0.8836265	20	0.99296872
ENSG00000166558	16	SLC38A8	84043272	rs9928085	16	84074978	T	C	0.228628	0.00527853	0.00926687	0.568941	-0.64589	0.0938718	5.96E-12	-0.0081725	0.0143965	0.5702583	0.08412765	9	0.91214319
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.657824	0.0683716	6.50E-22	-0.0042119	0.0122891	0.731796	0.1922537	20	0.94727701
ENSG00000270020	16	RP11-463O9.9	86553989	rs11642368	16	86568701	A	T	0.605368	0.00250925	0.00844594	0.766394	-0.892006	0.0965355	2.46E-20	-0.002813	0.00947337	0.7665108	0.2978827	20	0.94953271
ENSG00000104731	16	KLHDC4	87730091	rs55950332	16	87770469	A	G	0.457256	0.0100022	0.00829856	0.22809	0.372047	0.0601033	6.01E-10	0.0268842	0.022724	0.2367793	0.7425018	3	0.7438942
ENSG00000174990	16	CA5A	87921625	rs4843732	16	87939470	G	A	0.276342	-0.0036404	0.0091001	0.689127	0.609742	0.110844	3.78E-08	-0.0059704	0.0149639	0.6899028	0.05084769	11	0.94651419
ENSG00000224888	16	RP5-1142A6.2	88797588	rs8050504	16	88797568	A	G	0.383698	0.00618363	0.0081045	0.445471	-0.672481	0.0811174	1.13E-16	-0.0091953	0.0121026	0.4473884	0.5248037	20	0.8760777
ENSG00000182376	16	RP5-1142A6.8	88809175	rs8050504	16	88797568	A	G	0.383698	0.00618363	0.0081045	0.445471	-0.639465	0.0883106	4.45E-13	-0.00967	0.012744	0.4479802	0.5860771	12	0.8760777
ENSG00000259877	16	RP11-46C24.7	89281638	rs3803722	16	89284286	G	A	0.0626243	-0.013969	0.0182129	0.443091	-0.95573	0.156607	1.04E-09	0.0146161	0.0192064	0.4466587	0.1489989	16	0.8760777
ENSG00000170100	16	ZNF778	89284118	rs4785670	16	89520152	T	C	0.028827	0.0193006	0.0208198	0.353911	1.96488	0.343984	1.12E-08	0.00982279	0.0107346	0.3601609	0.7001461	4	0.8429066
ENSG00000167523	16	SPATA33	89724210	rs164749	16	89708224	G	T	0.485089	0.0185688	0.00815472	0.0227819	-0.355707	0.056306	2.66E-10	-0.0522025	0.0243692	0.03218095	0.8211929	11	0.49768191
ENSG00000185324	16	CDK10	89747145	rs77651727	16	89708267	T	C	0.0506958	0.00017238	0.0163159	0.991571	-0.661608	0.120548	4.06E-08	-0.0002605	0.024661	0.9915706	0.518836	17	0.99593757
ENSG00000260259	16	RP11-368I7.4	89749028	rs467035	16	89740285	G	C	0.464215	0.021092	0.00838777	0.011916	0.59486	0.10141	4.47E-09	0.0354571	0.0153414	0.02082171	0.5864948	17	0.45306928
ENSG00000075399	16	VPS9D1	89773542	rs62068372	16	89785107	C	T	0.235586	-0.0036027	0.00999169	0.718421	0.322539	0.0518929	5.12E-10	-0.0111698	0.0310303	0.7188737	0.6944817	17	0.94727701
ENSG00000141013	16	GAS8	90086037	rs11076640	16	89912462	A	G	0.353877	-0.0032515	0.00816491	0.690464	0.410618	0.0752587	4.87E-08	-0.0079185	0.0199373	0.6912424	0.4486405	17	0.94651419
ENSG00000262061	17	RP11-1260E13.4	180996	rs11871632	17	180923	T	G	0.395626	0.00321397	0.00843247	0.703098	0.557601	0.09562	5.50E-09	0.00576392	0.015155	0.7037	0.2708359	6	0.94727701
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	0.772955	0.0687347	2.44E-29	0.015303	0.0121391	0.2074401	0.5850921	14	0.72567255

ENSG00000183688	17	FAM101B	289769	rs11653376	17	288595	G	C	0.251491	-0.0057916	0.00959728	0.546198	0.684314	0.104503	5.82E-11	-0.0084634	0.0140841	0.547893	0.8154799	12	0.90384021
ENSG00000167695	17	FAM57A	635652	rs2657621	17	635080	C	A	0.472167	0.0121618	0.008267	0.141258	0.426073	0.0619657	6.16E-12	0.0285439	0.0198419	0.1502727	0.7144019	6	0.67014512
ENSG00000186532	17	SMYD4	1682779	rs11654472	17	1680192	T	A	0.297217	0.00922836	0.00831053	0.266809	-0.640013	0.115101	2.69E-08	-0.014419	0.0132413	0.2761805	0.1991072	4	0.77954811
ENSG00000228133	17	AC099684.1	1921010	rs3803804	17	1923056	T	C	0.329026	-0.0021282	0.00911525	0.815391	0.58105	0.0911206	1.81E-10	-0.0036627	0.0156981	0.8155125	0.7062767	6	0.95331821
ENSG00000167720	17	SRR	2206677	rs12450028	17	2207425	T	C	0.34493	0.0116548	0.00852691	0.17168	-0.588593	0.0711079	1.26E-16	-0.0198011	0.0146831	0.1774771	0.03053351	20	0.69192294
ENSG00000167723	17	TRPV3	3413796	rs59749018	17	3430665	T	C	0.128231	0.00707039	0.0101439	0.485796	-0.698033	0.118691	4.08E-09	-0.010129	0.0146338	0.4888338	0.3946969	9	0.88426028
ENSG00000197417	17	SHPK	3511556	rs62069929	17	3515275	C	T	0.247515	0.0144782	0.00921876	0.116295	0.81073	0.0813575	2.17E-23	0.0178582	0.0115113	0.1208139	0.3970079	20	0.65842282
ENSG00000040531	17	CTNS	3539762	rs2235104	17	3564815	G	A	0.227634	-0.0084626	0.00916791	0.355975	-0.415099	0.0707911	4.53E-09	0.0203868	0.0223581	0.361856	0.4249918	3	0.8429066
ENSG00000161905	17	ALOX15	4534197	rs8071990	17	4579638	A	G	0.717694	-0.0132195	0.00977729	0.176357	-0.710046	0.0907102	4.97E-15	0.0186178	0.0139738	0.182751	0.9325075	19	0.69741952
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-0.90181	0.115685	6.42E-15	0.0154263	0.0149839	0.3032339	0.9304977	9	0.80715034
ENSG00000108556	17	CHRNE	4801069	rs7222708	17	4888111	T	C	0.106362	-0.0189125	0.0112099	0.0915799	0.946775	0.144847	6.30E-11	-0.0199757	0.0122281	0.1023459	0.7273276	17	0.64481993
ENSG00000205710	17	C17orf107	4802713	rs150261110	17	4807512	A	G	0.0109344	0.038834	0.0493257	0.431108	-1.13997	0.202573	1.83E-08	-0.0340658	0.0436907	0.4355652	0.3027686	7	0.8760777
ENSG00000091640	17	SPAG7	4862521	rs72838334	17	4916019	T	G	0.0864811	0.0140612	0.012305	0.253154	0.493802	0.0795687	5.44E-10	0.0284754	0.0253378	0.2610853	0.4193594	6	0.77251343
ENSG00000234327	17	AC012146.7	5014763	rs56197642	17	5018244	G	C	0.111332	-0.0080551	0.0103627	0.436972	-0.78443	0.115212	9.85E-12	0.0102687	0.0132963	0.4399391	0.8471877	14	0.8760777
ENSG00000256806	17	AC004706.1	6555059	rs7226265	17	6556022	G	A	0.186879	0.00429904	0.00952691	0.651808	-0.442144	0.0769861	9.29E-09	-0.0097232	0.0216135	0.6528072	0.2740387	6	0.93515218
ENSG00000132507	17	EIF5A	7210318	rs4796397	17	7207063	C	T	0.602386	0.0101961	0.0089781	0.256098	-0.39573	0.0621285	1.90E-10	-0.0257653	0.0230452	0.2635535	0.05050408	8	0.77270625
ENSG00000141504	17	SAT2	7529552	rs1642771	17	7504060	C	G	0.392644	0.00402463	0.00834553	0.629628	0.283351	0.0502505	1.71E-08	0.0142037	0.0295605	0.6308749	0.2227363	5	0.93028115
ENSG00000109047	17	RCVRN	9799637	rs1047342	17	9815580	C	T	0.558648	-0.0129882	0.00811323	0.109406	-1.09688	0.094808	5.88E-31	0.011841	0.00746712	0.1127942	0.01870851	19	0.64481993
ENSG00000170222	17	ADPRM	10600911	rs4369722	17	10605468	C	T	0.462227	0.0102516	0.0081466	0.208249	0.534758	0.0879018	1.18E-09	0.0191705	0.0155567	0.217836	0.9432166	6	0.73328747
ENSG00000187824	17	TMEM220	10602332	rs418557	17	10632975	T	C	0.474155	0.0115038	0.00812364	0.156749	-0.324921	0.0435609	8.72E-14	-0.0354049	0.0254485	0.1641529	0.9833064	8	0.67326138
ENSG00000006744	17	ELAC2	12895708	rs1044564	17	12895984	C	G	0.607356	0.00702664	0.00825115	0.394439	0.536392	0.070162	2.09E-14	0.0130998	0.0154778	0.3973516	0.09057495	4	0.86619447
ENSG00000214946	17	TBC1D26	15635561	rs3865264	17	15618623	T	G	0.741551	-0.0206655	0.00875405	0.0182415	0.642671	0.0863826	1.01E-13	-0.0321556	0.0142906	0.02444119	0.4399577	20	0.46367758
ENSG00000233002	17	AC005324.6	15638337	rs113062754	17	15672125	G	C	0.315109	-0.0076599	0.00883571	0.385986	0.596214	0.100258	2.73E-09	-0.0128475	0.0149763	0.3909741	0.1618293	7	0.86143514
ENSG00000179277	17	MEIS3P1	15689932	rs859344	17	15703599	A	G	0.297217	-0.0067154	0.00857492	0.433543	-0.479523	0.0773463	5.66E-10	0.0140043	0.0180243	0.4371772	0.1307835	5	0.8760777
ENSG00000265519	17	CTD-3157E16.1	15691101	rs10852832	17	15685233	C	G	0.33499	-0.0066028	0.00825406	0.423746	-0.46182	0.0795771	6.50E-09	0.0142972	0.0180419	0.4281001	0.6641728	5	0.8760777
ENSG00000214941	17	ZSWIM7	15879874	rs2286796	17	15884227	G	A	0.573559	-0.0013149	0.0082278	0.873027	-0.805907	0.0709732	7.00E-30	0.0016316	0.0102104	0.8730398	0.4379402	20	0.97703206
ENSG00000166582	17	CENPV	16245848	rs3112522	17	16244997	A	G	0.464215	0.00330249	0.00805113	0.681667	0.798813	0.0725749	3.55E-28	0.00413425	0.0100859	0.6818756	0.528163	20	0.9461177
ENSG00000187688	17	TRPV2	16318856	rs3813769	17	16318932	C	T	0.33002	0.00655966	0.00903515	0.467829	-0.79312	0.0743037	1.35E-26	-0.0082707	0.0114182	0.4688558	0.9824115	19	0.88426028
ENSG00000091536	17	MYO15A	18012020	rs854776	17	18048608	C	T	0.595427	0.0116447	0.00818745	0.154949	0.304694	0.0521168	5.02E-09	0.0382177	0.0276548	0.166985	0.5062188	5	0.67512583
ENSG00000176974	17	SHMT1	18231187	rs12452987	17	18272449	A	C	0.390656	0.0119155	0.00831936	0.152071	0.351422	0.0615881	1.16E-08	0.0339065	0.0244078	0.1647819	0.7510772	7	0.67326138
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.806469	0.0760245	2.74E-26	-0.0067012	0.0101503	0.509126	0.9390934	16	0.88426028
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.95666	0.0827273	6.27E-31	-0.0056492	0.00855413	0.5089959	0.8497417	20	0.88426028
ENSG00000108448	17	TRIM16L	18601311	rs8070109	17	18598568	T	C	0.760437	-0.0028698	0.00927792	0.75708	0.61376	0.0892757	6.20E-12	-0.0046758	0.0151318	0.757318	0.3140013	20	0.94873228
ENSG00000171928	17	TVP23B	18684308	rs74984407	17	18641187	C	A	0.408549	-0.0014836	0.00840214	0.859841	-0.369213	0.0640922	8.38E-09	0.00401833	0.0227676	0.8599062	0.2451884	11	0.9728182
ENSG00000141127	17	PRPSAP2	18743398	rs8071783	17	18807939	G	C	0.555666	0.0016214	0.00807823	0.840924	0.49334	0.0675246	2.75E-13	0.00328658	0.0163807	0.8409827	0.4008777	17	0.96549656
ENSG00000261033	17	RP11-209D14.2	19911364	rs62066345	17	19898316	C	T	0.305169	0.0120607	0.00914563	0.187258	-0.523158	0.0678111	1.21E-14	-0.0230536	0.0177351	0.1936402	0.05054646	20	0.71196715
ENSG00000230528	17	NOS2P3	20339650	rs35041742	17	20036253	C	T	0.431412	0.0100152	0.00829249	0.227147	-0.57594	0.0824945	2.92E-12	-0.0173893	0.014612	0.2340197	0.1263362	15	0.73993729
ENSG00000266369	17	RP11-344E13.4	20759259	rs7218489	17	20756221	C	T	0.150099	-0.0103228	0.0108927	0.343294	0.803764	0.144091	2.43E-08	-0.0128431	0.0137463	0.3501526	0.8861454	3	0.83739525
ENSG00000265683	17	RP11-173M1.5	25678884	rs35852868	17	25676513	C	G	0.363817	0.00832524	0.00854332	0.329822	0.557163	0.0989995	1.82E-08	0.0149422	0.0155618	0.3369614	0.4581905	5	0.83103105
ENSG00000007171	17	NOS2	26083792	rs4796172	17	26198381	G	A	0.757455	-0.0064289	0.00984031	0.513547	-0.609104	0.0762951	1.42E-15	0.0105547	0.0162094	0.5149508	0.4955623	11	0.88902293
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.458589	0.0600561	2.24E-14	-0.0212586	0.021505	0.3228883	0.4743502	8	0.82362657
ENSG00000244045	17	TMEM199	26684604	rs708100	17	26688663	A	G	0.497018	0.00251364	0.00809068	0.756042	0.369555	0.0640902	8.11E-09	0.0068018	0.0219248	0.7563835	0.4591186	4	0.94873228
ENSG00000167525	17	PROCA1	27030215	rs9911086	17	27061586	T	C	0.0725646	-0.0136658	0.0147034	0.352663	-0.718259	0.114842	3.99E-10	0.0190263	0.0206957	0.3579201	0.5697266	10	0.8429066
ENSG00000108587	17	GOSR1	28804380	rs12944483	17	28846162	T	C	0.50994	-0.0070533	0.00804822	0.380825	-0.485756	0.0792574	8.85E-10	0.0145202	0.016737	0.385639	0.7009932	8	0.86070786
ENSG00000231421	17	AC006050.2	28900489	rs562840	17	28949390	T	G	0.120278	0.00297868	0.0137948	0.829044	1.14119	0.0968256	4.61E-32	0.00261015	0.0120901	0.8290723	0.9976737	13	0.95770471
ENSG00000264538	17	SUZ12P	29036317	rs8070182	17	29135594	C	A	0.107356	0.00384037	0.0142578	0.787659	-0.821876	0.0973438	3.09E-17	-0.0046727	0.0173567	0.787764	0.9971525	12	0.95044568
ENSG00000263603	17	CTD-2349P21.5	29056487	rs216477	17	28866744	C	A	0.857853	-0.0073985	0.0115232	0.520842	0.904526	0.147482	8.62E-10	-0.0081794	0.0128091	0.5231089	0.9840192	9	0.88902293
ENSG00000176390	17	CRLF3	29096406	rs28588622	17	29245699	A	G	0.107356	0.00505276	0.0140975	0.720032	-0.869124	0.127091	8.00E-12	-0.0058136	0.0162426	0.7204001	0.9938237	12	0.94727701
ENSG00000266490	17	CTD-2349P21.9	29119390	rs7504112	17	29073773	C	T	0.275348	-0.0128973	0.0089406	0.149145	0.771539	0.10762	7.55E-13	-0.0167163	0.0118203	0.1573008	0.2793197	8	0.67326138
ENSG00000266718	17	RP11-466A19.1	30822554	rs4287613	17	30827688	T	C	0.480119	-0.0084137	0.00808399	0.297974	0.417747	0.073631	1.40E-08	-0.0201407	0.0196743	0.3059745	0.937773	13	0.80715034
ENSG00000132141	17	CCT6B	33254878	rs62064824	17	33293971	G	C	0.371769	-0.0080372	0.0082095	0.327573	-0.348878	0.0620364	1.87E-08	0.0230373	0.0238851	0.334791	0.4443587	5	0.83103105
ENSG00000005156	17	LIG3	33307513	rs1003918	17	33332177	A	G	0.477137	-0.0013321	0.00812145	0.869715	-0.467053	0.0713073	5.76E-11	0.0028521	0.0173942	0.8697559	0.2066484	4	0.97668093
ENSG00000234477	17	AC004231.2	39077682	rs4890136	17	39025633	A	G	0.101392	0.00163642	0.0142756	0.908738	0.995791	0.181128	3.85E-08	0.00164334	0.0143391	0.9087577	0.7201087	5	0.97987891
ENSG00000141698	17	NT5C3B	39981335	rs9905601	17	40015211	G	A	0.853877	-0.0105641	0.0108994	0.332428	-0.366758	0.0644748	1.28E-08	0.028804	0.0301465	0.3393419	0.9825835	5	0.83398587
ENSG00000187595	17	ZNF385C	40177594	rs60110245	17	40189830	T	C	0.0934394	0.0281435	0.0149079	0.05905	-1.14112	0.171285	2.70E-11	-0.0246631	0.0135787	0.0693228	0.4301812	4	0.61480596
ENSG00000037042	17	TUBG2	40811323	rs3760384	17	40835451	C	A	0.526839	0.0053462	0.00808338	0.508368	-0.364584	0.0489291	9.24E-14	-0.0146638	0.0222587	0.5100295	0.1535634	14	0.88426028
ENSG00000198496	17	NBR2	41277627	rs8176117	17	41263566	C	T	0.353877	0.0203713	0.00829181	0.0140185	-1.08763	0.0734904	1.47E-49	-0.01873	0.00772807	0.01536624	0.860924	20	0.44186828
ENSG00000267080	17	ASB16-AS1	42253341	rs143926892	17	42203164	A	G	0.0318091	-0.0120628	0.0219939	0.583375	-0.914128	0.164345	2.66E-08	0.013196	0.0241767	0.5851937	0.9362847	4	0.91271713
ENSG00000013306	17	SLC25A39	42396993	rs8079946	17	42401708	C	T	0.408549	-0.0188932	0.00807528	0.0193023	-0.342844	0.0626198	4.37E-08	0.0551073	0.0256143	0.03144235	0.9699081	8	0.49768191
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-0.972036	0.099852	2.14E-22	-0.0259619	0.0122744	0.03441884	0.00462809	20	0.49917972
ENSG00000136448	17	NMT1	43128978	rs6503421	17	43156716	C	T	0.540755	0.0141432	0.00812834	0.0818616	-0.258364	0.0459285	1.85E-08	-0.0547414	0.0329314	0.09645587	0.2772653	4	0.64481993
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.738256	0.0789945	9.13E-21	0.0261989	0.0120816	0.03012132	0.322771	11	0.48712594
ENSG00000225190	17	PLEKHM1	43513266	rs55925547	17	43556807	C	T	0.197813	0.00463326	0.0183039	0.800167	0.402983	0.0708494	1.29E-08	0.0114974	0.045466	0.8003614	0.3680627	15	0.95070021
ENSG00000214425	17	LRRC37A4P	43578685	rs62060768	17	44134984	A	G	0.240557	-0.0058343	0.0148278	0.69397	-1.18946	0.0897053	3.97E-40	0.00490502	0.0124715	0.6940985	0.986757	4	0.94727701
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.1631	0.115664	8.66E-24	-0.0049149	0.0128804	0.702773	0.9660036	10	0.94727701
ENSG00000263503	17	RP11-707O23.5	43678235	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.18234	0.109643	4.12E-27	-0.0048349	0.0126696	0.7027465	0.9798444	11	0.94727701
ENSG00000204650	17	CRHR1-IT1	43697694	rs112560196	17	44200078	T	A	0.240557	-0.0058336	0.0148278	0.694007	0.768988	0.0677712	7.69E-30	-0.007586	0.0192938	0.6941829	0.9826114	4	0.94727701
ENSG00000120071	17	KANSL1	44107282	rs2471738	17	44076063	T	C	0.239563	-0.00872	0.00888423	0.326341	-0.571049	0.100729	1.44E-08	0.0152701	0.0157892	0.3334823	0.1852699	14	0.83103105
ENSG00000214401	17	KANSL1-AS1	44270942	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.09343	0.0965089	9.34E-30	0.00367071	0.0132433	0.7816457	0.2686946	11	0.94953271
ENSG00000262500	17	RP11-259G18.2	44320972	rs112556326	17	43575946	T	G	0.241551	-0.0038851	0.015103	0.796995	1.20152	0.117007	9.75E-25	-0.0032335	0.0125739	0.7970571	0.7999823	7	0.95044568
ENSG00000262539	17	RP11-259G18.3	44336917	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.23338	0.103512	9.84E-33	0.0032542	0.0117403	0.7816396	0.2702199	11	0.94953271
ENSG00000261575	17	RP11-259G18.1	44344403	rs199531	17	44830414	C	T	0.256461	0.00863221	0.011049	0.434644	0.830342	0.103878	1.31E-15	0.010396	0.01337	0.4368278	0.1583251	15	0.8760777
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.03654	0.128588	7.57E-16	-0.0070615	0.00810562	0.3836527	0.5413392	7	0.85900505
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.03028	0.0911617	1.29E-29	-0.0068979	0.00794926	0.3855354	0.3173023	20	0.86070786
ENSG00000260075	17	NSFP1	44450221	rs17698176	17	44819595	G	T	0.227634	-0.0114196	0.00872621	0.190653	1.33838	0.121745	4.12E-28	-0.0085324	0.00656601	0.1937792	0.3023707	20	0.71196715
ENSG00000238083	17	LRRC37A2	44588877	rs56971664	17	43918613	C	T	0.239563	-0.0056992	0.0148309	0.700771	1.22121	0.106061	1.12E-30	-0.0046669	0.0121512	0.7009303	0.9816355	4	0.94727701
ENSG00000185829	17	ARL17A	44594068	rs393152	17	43719143	G	A	0.241551	-0.0045683	0.0147801	0.757258	0.88759	0.115926	1.91E-14	-0.0051468	0.0166655	0.7574496	0.9710266	8	0.94873228
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-1.0327	0.0772309	8.86E-41	0.00500948	0.00852527	0.5567983	0.456206	17	0.91015994
ENSG00000262879	17	RP11-156P1.3	45061411	rs76048354	17	45180518	T	C	0.106362	0.0355339	0.0151706	0.0191664	1.40951	0.163884	7.93E-18	0.0252101	0.011155	0.0238227	0.8091942	20	0.45633191
ENSG00000178852	17	EFCAB13	45400656	rs2317631	17	45440385	T	C	0.470179	0.0049847	0.00805509	0.536031	0.522848	0.0775079	1.52E-11	0.00953375	0.0154709	0.5377371	0.4923212	20	0.8990588
ENSG00000264920	17	RP11-6N17.4	45968621	rs10459927	17	45981536	C	T	0.439364	-0.0024062	0.00819725	0.769107	0.405363	0.0650511	4.62E-10	-0.005936	0.0202444	0.7693561	0.167939	5	0.94953271
ENSG00000248278	17	RP11-463M16.4	46952222	rs12941262	17	46967037	A	T	0.563618	0.034524	0.0080749	1.91E-05	0.696145	0.115662	1.76E-09	0.0495931	0.0142282	0.0004911	0.06033866	11	0.23243814
ENSG00000159210	17	SNF8	47006678	rs7221126	17	47042162	A	C	0.257455	-0.0232017	0.00929569	0.0125615	-0.425485	0.067784	3.45E-10	0.05453	0.0235111	0.020377	0.3687231	11	0.45306928
ENSG00000108823	17	SGCA	48241575	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.599227	0.0798347	6.10E-14	-0.0105103	0.0140603	0.4547496	0.6701205	10	0.87797516
ENSG00000136449	17	MYCBPAP	48585745	rs6504671	17	48607280	C	G	0.732604	0.00032358	0.00866761	0.97022	-0.535506	0.0925315	7.15E-09	-0.0006042	0.0161862	0.9702211	0.4503329	6	0.99493047
ENSG00000250286	17	RP11-94C24.8	48614655	rs9914894	17	48614674	C	T	0.601392	0.00209495	0.00813743	0.796834	-0.668855	0.0873373	1.88E-14	-0.0031321	0.0121731	0.7969466	0.1953035	13	0.95044568
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.713867	0.0658516	2.21E-27	-0.0195095	0.0121392	0.1080214	0.4198227	20	0.64481993
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.291187	0.0359932	5.96E-16	-0.041826	0.0290229	0.1495457	0.7704052	20	0.67014512
ENSG00000243678	17	NME1-NME2	49230920	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	-0.370369	0.050114	1.46E-13	0.032884	0.0228897	0.1508243	0.8943126	20	0.67014512
ENSG00000011260	17	UTP18	49337889	rs11079951	17	49342687	T	C	0.479125	0.015014	0.00805761	0.0624166	0.412523	0.0584003	1.62E-12	0.0363955	0.0202007	0.07159255	0.07270643	14	0.61480596
ENSG00000166260	17	COX11	53029263	rs35573927	17	53031889	C	G	0.269384	0.00552494	0.00901827	0.540116	-0.415294	0.0520532	1.48E-15	-0.0133037	0.0217793	0.5413053	0.1908371	16	0.8990588
ENSG00000108960	17	MMD	53469974	rs11079167	17	53477762	C	T	0.38668	0.00439603	0.00832358	0.597401	-0.384064	0.0538558	9.94E-13	-0.0114461	0.0217317	0.5984024	0.7878138	17	0.92181392
ENSG00000108384	17	RAD51C	56769934	rs139863951	17	56927552	T	C	0.181909	0.00323158	0.00922155	0.726011	-0.685836	0.0606435	1.18E-29	-0.0047119	0.0134522	0.7261363	0.06657352	20	0.94727701
ENSG00000265313	17	RP11-567L7.6	57508230	rs12150440	17	57513591	G	A	0.422465	-0.0004813	0.00811438	0.952701	0.298472	0.0538502	2.98E-08	-0.0016126	0.027188	0.9527033	0.9035761	7	0.99296872
ENSG00000008283	17	CYB561	61509665	rs4968644	17	61468052	C	G	0.488072	-0.0205599	0.00811402	0.0112808	-0.453729	0.0378406	3.98E-33	0.0453132	0.0182779	0.01317061	0.4274696	20	0.44186828
ENSG00000198909	17	MAP3K3	61699775	rs111422442	17	61692495	T	C	0.267396	-0.0038271	0.0096136	0.690561	0.377414	0.0661044	1.13E-08	-0.0101404	0.0255341	0.6912715	0.8460976	8	0.94651419
ENSG00000198231	17	DDX42	61850963	rs11657081	17	61792339	T	C	0.266402	-0.0019057	0.00959218	0.842521	-0.539842	0.0838151	1.19E-10	0.00353005	0.0177769	0.8425955	0.4327622	9	0.96559734
ENSG00000108592	17	FTSJ3	61896793	rs2665837	17	61932866	C	T	0.599404	-0.0052378	0.00841972	0.533885	0.780006	0.0774319	7.24E-24	-0.0067151	0.010815	0.5346626	0.4297795	20	0.89853289
ENSG00000087191	17	PSMC5	61904512	rs721575	17	61782920	T	C	0.539761	-0.0042927	0.00812039	0.597063	0.380792	0.0640521	2.76E-09	-0.011273	0.0214091	0.5985046	0.6724823	13	0.92181392
ENSG00000176809	17	LRRC37A3	62850430	rs536888964	17	62910958	A	G	0.0616302	-0.0085641	0.0182767	0.639371	1.42617	0.199792	9.45E-13	-0.006005	0.0128428	0.6400893	0.3687336	3	0.93476849
ENSG00000154229	17	PRKCA	64298754	rs4791035	17	64807228	G	C	0.513917	0.0119762	0.00812855	0.140657	-0.335011	0.0569762	4.11E-09	-0.0357487	0.0250137	0.1529567	0.894751	3	0.67219629
ENSG00000237560	17	AC004562.1	67957848	rs180107	17	67930772	T	A	0.630219	0.00622194	0.00838255	0.457936	0.545313	0.0964469	1.57E-08	0.0114099	0.0155039	0.4617705	0.06985177	5	0.88426028
ENSG00000161513	17	FDXR	72858619	rs492095	17	72869078	A	G	0.724652	-0.0038639	0.0096991	0.690354	0.401109	0.0734164	4.67E-08	-0.009633	0.0242449	0.691132	0.1864177	6	0.94651419
ENSG00000125450	17	NUP85	73201754	rs73995801	17	73191268	A	G	0.236581	-0.0145888	0.0111459	0.190572	0.636909	0.085504	9.41E-14	-0.0229056	0.0177681	0.1973483	0.385984	11	0.71320307
ENSG00000141569	17	TRIM65	73876416	rs7370	17	73894804	A	G	0.290258	0.0142689	0.0101166	0.158409	0.651774	0.0891017	2.57E-13	0.0218924	0.0158075	0.1660725	0.853618	18	0.67419968
ENSG00000188878	17	FBF1	73905655	rs11077798	17	73953404	C	T	0.762425	-0.0138778	0.0105666	0.189061	-0.572186	0.0796343	6.71E-13	0.024254	0.018773	0.1963714	0.9212588	18	0.71320307
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.569738	0.0658956	5.33E-18	0.01947	0.0189304	0.3037132	0.95211	14	0.80715034
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.509301	0.0635178	1.07E-15	0.0217804	0.0212012	0.3042693	0.7375841	14	0.80715034
ENSG00000161542	17	PRPSAP1	74305567	rs446662	17	74313542	C	A	0.294235	0.0133209	0.00930699	0.152351	-0.597194	0.0873974	8.31E-12	-0.0223058	0.0159227	0.1612507	0.4976724	11	0.67326138
ENSG00000182534	17	MXRA7	74668633	rs10459894	17	74696030	T	A	0.150099	-0.0048721	0.0111566	0.662325	1.25722	0.123864	3.31E-24	-0.0038753	0.00888223	0.6626189	0.5131233	15	0.93787835
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086795	17	74757144	A	G	0.082505	-0.0157043	0.0151802	0.30089	1.31256	0.233715	1.95E-08	-0.0119646	0.0117599	0.3089596	0.1173165	9	0.81168747
ENSG00000234912	17	LINC00338	75082798	rs11868249	17	75085322	G	A	0.148111	-0.0032294	0.0140318	0.817979	-0.884398	0.132832	2.78E-11	0.00365147	0.0158754	0.8180858	0.8207397	3	0.95507887
ENSG00000141519	17	CCDC40	78010435	rs7215606	17	78003854	C	T	0.246521	0.0137264	0.00880479	0.119003	0.747722	0.0853733	1.98E-18	0.0183576	0.0119606	0.1248221	0.07440166	8	0.65842282
ENSG00000171298	17	GAA	78075355	rs1042396	17	78084769	A	G	0.272366	-0.0041303	0.00959679	0.666914	-0.588054	0.0870685	1.44E-11	0.00702373	0.0163527	0.6675482	0.4980386	14	0.94200099
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.691542	0.0689194	1.08E-23	0.0153311	0.0122966	0.2124784	0.5978436	20	0.7320182
ENSG00000173821	17	RNF213	78234665	rs62074445	17	78251696	T	C	0.204771	-0.0036767	0.0120737	0.760731	0.529476	0.0906784	5.25E-09	-0.006944	0.0228341	0.7610455	0.8086606	3	0.94873228
ENSG00000261924	17	CTD-2561B21.5	78940039	rs6565504	17	78940813	G	A	0.760437	0.00897843	0.0095261	0.345932	-0.968036	0.0998052	3.04E-22	-0.0092749	0.009887	0.3481982	0.02205871	20	0.8363037
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.882336	0.0844756	1.55E-25	-0.0108335	0.0142154	0.4460001	0.5030173	9	0.8760777
ENSG00000186765	17	FSCN2	79495422	rs56134233	17	79473743	A	G	0.595427	0.0100863	0.00823025	0.220381	0.510839	0.0894922	1.14E-08	0.0197446	0.0164784	0.2308346	0.9377287	4	0.73598765
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.835079	0.0818355	1.90E-24	0.0120925	0.0125811	0.3364693	0.3683249	20	0.83103105
ENSG00000185105	17	MYADML2	79897521	rs9915949	17	79903462	G	C	0.583499	0.00756617	0.00839088	0.367209	-0.468245	0.065605	9.52E-13	-0.0161586	0.0180623	0.3709997	0.6240512	7	0.84538623
ENSG00000169689	17	STRA13	79976578	rs3934983	17	79980756	A	C	0.55666	-0.0044455	0.00834142	0.594077	0.566501	0.0633205	3.67E-19	-0.0078472	0.0147506	0.5947303	0.02156382	9	0.92176189
ENSG00000181396	17	OGFOD3	80347099	rs4789769	17	80373452	T	C	0.251491	-0.0003183	0.0101285	0.974928	-0.583195	0.100354	6.20E-09	0.00054583	0.0173675	0.9749279	0.00657812	5	0.99593757
ENSG00000169660	17	HEXDC	80376194	rs1141463	17	80377690	G	T	0.333002	-0.002796	0.00931834	0.764135	0.408844	0.0739813	3.27E-08	-0.0068388	0.0228255	0.7644714	0.0214322	3	0.94953271
ENSG00000141560	17	FN3KRP	80674559	rs58867683	17	80679455	A	T	0.406561	0.00284553	0.00848782	0.737437	-0.68432	0.0775858	1.14E-18	-0.0041582	0.0124122	0.73762	0.4743209	20	0.94727701
ENSG00000175711	17	B3GNTL1	80900031	rs57923322	17	81009636	G	T	0.229622	0.00156324	0.00869716	0.857356	-0.471657	0.0777447	1.31E-09	-0.0033144	0.0184477	0.8574175	0.5691665	8	0.9711465
ENSG00000263006	18	ROCK1P1	109065	rs66578025	18	122546	A	T	0.302187	0.00280828	0.00839542	0.738001	0.702185	0.0919361	2.21E-14	0.00399935	0.0119676	0.7382429	0.2805721	18	0.94727701
ENSG00000079101	18	CLUL1	596988	rs2015412	18	590969	T	C	0.298211	-0.0001075	0.00844302	0.989842	0.667015	0.103045	9.60E-11	-0.0001612	0.0126579	0.9898418	0.8069338	7	0.99593757
ENSG00000266513	18	RP11-874J12.3	3770017	rs4798127	18	3770469	T	G	0.529821	0.00395012	0.00825469	0.632274	-0.62632	0.0828635	4.08E-14	-0.0063069	0.0132061	0.6329533	0.3501833	10	0.93051058
ENSG00000263753	18	LINC00667	5232875	rs12522	18	5290282	G	A	0.387674	0.0035425	0.00828406	0.668921	0.819145	0.0897749	7.21E-20	0.00432463	0.0101242	0.6692631	0.4593788	20	0.94200099
ENSG00000266441	18	RP11-91I8.3	6728820	rs6417043	18	6729046	C	T	0.515905	0.00114141	0.00805806	0.887358	0.573024	0.103261	2.87E-08	0.00199191	0.0140669	0.8873943	0.4062163	5	0.97971665
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-0.988627	0.108117	6.02E-20	0.00443926	0.0107563	0.6798165	0.389489	15	0.94554211
ENSG00000267079	18	RP11-820I16.1	11910633	rs1811452	18	11947700	A	C	0.337972	-0.0018671	0.00836607	0.823397	0.794859	0.0996287	1.48E-15	-0.002349	0.0105293	0.8234651	0.6923916	11	0.95542705
ENSG00000267108	18	RP11-861E21.1	12432896	rs34620743	18	12438519	G	C	0.151093	0.0217604	0.0134055	0.104537	0.883801	0.137124	1.15E-10	0.0246214	0.0156417	0.1154665	0.46307	10	0.64720285
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.697137	0.0766024	8.97E-20	0.00331912	0.0118486	0.7793796	0.3702556	20	0.94953271
ENSG00000267336	18	RP11-773H22.2	12912843	rs4797717	18	12911423	C	T	0.698807	-0.0087416	0.00825784	0.289792	-0.920158	0.118692	9.01E-15	0.00950006	0.00905765	0.2942497	0.5123624	7	0.80346119
ENSG00000101639	18	CEP192	12991361	rs490853	18	13106337	C	T	0.619284	-0.0028618	0.00819709	0.726994	-0.817692	0.0677174	1.43E-33	0.00349986	0.0100289	0.7271049	0.942948	20	0.94727701
ENSG00000175322	18	ZNF519	14057456	rs9958799	18	14132402	C	G	0.229622	0.00025724	0.00989117	0.979252	0.371154	0.0583912	2.07E-10	0.00069307	0.02665	0.9792523	0.07341391	4	0.99593757
ENSG00000180777	18	ANKRD30B	14728271	rs56197653	18	14800467	G	A	0.544732	0.0064773	0.00821026	0.430154	-0.39751	0.0647138	8.12E-10	-0.0162947	0.0208239	0.4339208	0.4308293	11	0.8760777
ENSG00000264880	18	RP11-805F19.1	15159723	rs67909795	18	15195095	C	A	0.296223	0.0109809	0.00893799	0.219234	0.671749	0.102142	4.81E-11	0.0163467	0.0135357	0.2271729	0.08762306	7	0.73598765
ENSG00000266489	18	RP11-178F10.3	22096847	rs1945168	18	22124418	C	T	0.393638	0.0202232	0.00851724	0.0175784	1.12381	0.0861592	6.93E-39	0.0179952	0.00770345	0.0194915	0.6122466	11	0.45306928
ENSG00000260372	18	AQP4-AS1	24235706	rs232319	18	24500151	C	T	0.527833	0.0009231	0.00811545	0.909439	-0.916514	0.0848628	3.44E-27	-0.0010072	0.00885518	0.9094443	0.4750578	12	0.97987891
ENSG00000134779	18	TPGS2	34359987	rs73433602	18	34382837	A	C	0.151093	0.00649591	0.0105033	0.536272	0.300342	0.0533128	1.77E-08	0.0216284	0.0351812	0.5387065	0.8871806	12	0.8990588
ENSG00000270112	18	RP11-742D12.2	44336450	rs3897629	18	44340086	A	T	0.480119	-0.0163211	0.00808053	0.043404	0.314601	0.0573126	4.04E-08	-0.0518787	0.0273686	0.05801894	0.343734	7	0.5969465
ENSG00000101751	18	POLI	51795774	rs1380257	18	51799343	A	G	0.422465	-0.0003868	0.00808914	0.961858	-0.420931	0.0709273	2.94E-09	0.00091902	0.0192179	0.961859	0.4758015	14	0.99296872
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.719615	0.0996012	5.01E-13	-0.0072602	0.0171078	0.6712891	0.770836	5	0.94200099
ENSG00000133313	18	CNDP2	72163051	rs4891559	18	72170397	A	G	0.210736	0.00291347	0.0104613	0.780628	0.531453	0.0736797	5.47E-13	0.00548208	0.019699	0.7807879	0.6780402	18	0.94953271
ENSG00000180011	18	ZADH2	72907063	rs12969004	18	72920065	A	G	0.481113	0.0052583	0.00811622	0.517066	-0.422342	0.0766313	3.56E-08	-0.0124503	0.0193495	0.5199354	0.9541017	3	0.88902293
ENSG00000267127	18	RP11-795F19.5	77794346	rs72976317	18	77848209	T	C	0.861829	0.00662401	0.0131125	0.613441	-0.919949	0.157533	5.23E-09	-0.0072004	0.0143067	0.6147618	0.3298772	8	0.92780325
ENSG00000261126	18	RBFADN	77806900	rs7228169	18	77825898	G	A	0.831014	0.00562314	0.0112816	0.618177	-0.810017	0.0921453	1.49E-18	-0.006942	0.01395	0.6187411	0.6355871	20	0.92780325
ENSG00000267251	18	AC139100.3	77941563	rs1050919	18	77906500	T	C	0.16998	-0.0026805	0.00984046	0.785319	0.786202	0.116205	1.33E-11	-0.0034094	0.0125266	0.785488	0.5644651	16	0.95019487
ENSG00000099866	19	MADCAM1	489176	rs7259108	19	494245	A	G	0.439364	-0.0029495	0.00815103	0.717457	-0.51656	0.0708968	3.19E-13	0.00570995	0.0157989	0.7177897	0.3552016	8	0.94727701

ENSG00000266933	19	AC005775.2	490046	rs143898391	19	488474	T	A	0.406561	-0.0028477	0.00823707	0.729552	-0.769605	0.0912982	3.47E-17	0.00370025	0.010712	0.7297705	0.2772867	11	0.94727701
ENSG00000267751	19	AC009005.2	567212	rs12608452	19	563639	C	T	0.162028	-0.0025021	0.00960194	0.794415	-0.885522	0.138977	1.87E-10	0.00282555	0.0108523	0.794583	0.7080995	7	0.95044568
ENSG00000065268	19	WDR18	983174	rs2240149	19	990819	A	G	0.59841	-0.0056639	0.00817986	0.488673	-0.679157	0.0721924	5.08E-21	0.00833963	0.0120767	0.4898455	0.1199106	20	0.88426028
ENSG00000207357	19	RNU6-2	1021521	rs117481827	19	1021627	C	T	0.132207	0.0238256	0.0144659	0.0995543	0.903869	0.153637	4.03E-09	0.0263596	0.0166198	0.1127308	0.6768612	9	0.64481993
ENSG00000160953	19	MUM1	1285890	rs713042	19	1357082	C	T	0.76839	0.00780822	0.00859599	0.36369	-0.502718	0.0883205	1.26E-08	-0.015532	0.0173154	0.3697159	0.762766	5	0.84538623
ENSG00000115266	19	APC2	1446300	rs3894776	19	1457370	T	C	0.582505	-0.0003327	0.00854577	0.968943	0.452425	0.0727187	4.92E-10	-0.0007354	0.0188892	0.9689437	0.4958051	4	0.99493047
ENSG00000115255	19	REEP6	1491165	rs791473	19	1491171	G	T	0.377734	-0.006287	0.0083135	0.449505	-0.295666	0.0501965	3.86E-09	0.0212638	0.0283487	0.4532055	0.5106898	3	0.87797516
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	0.985413	0.115964	1.94E-17	-0.0162273	0.0111325	0.1449363	0.3687211	4	0.66799939
ENSG00000099800	19	TIMM13	2425622	rs4807259	19	2405206	G	A	0.430417	0.0166911	0.00810386	0.0394321	0.418702	0.0542607	1.20E-14	0.0398639	0.0200323	0.04659305	0.3116259	16	0.563976
ENSG00000183397	19	C19orf71	3539152	rs10406138	19	3537977	T	C	0.150099	-0.020716	0.0120218	0.0848516	-0.536262	0.0931997	8.72E-09	0.0386304	0.0234015	0.09878694	0.8105654	8	0.64481993
ENSG00000105289	19	TJP3	3708107	rs541197200	19	3649859	A	C	0.0218688	-0.001768	0.0416935	0.966176	1.66157	0.296938	2.20E-08	-0.0010641	0.0250936	0.9661773	0.7987404	3	0.99493047
ENSG00000077463	19	SIRT6	4174106	rs350843	19	4177331	C	A	0.871769	0.0167636	0.011783	0.154824	-0.693089	0.0853294	4.57E-16	-0.0241868	0.0172595	0.1611065	0.2373897	5	0.67326138
ENSG00000105248	19	CCDC94	4247076	rs694443	19	4230121	G	A	0.237575	0.0208593	0.00939321	0.026373	0.504623	0.0830367	1.22E-09	0.0413364	0.0198182	0.03699823	0.9439805	9	0.50611661
ENSG00000178078	19	STAP2	4324040	rs55913120	19	4334402	T	C	0.439364	0.0133193	0.00808269	0.0993757	0.565722	0.084158	1.79E-11	0.0235439	0.0147104	0.1094898	0.1929622	10	0.64481993
ENSG00000267980	19	AC007292.6	4363786	rs732716	19	4366219	G	A	0.294235	-0.0115087	0.0101192	0.25541	-0.476964	0.0869326	4.10E-08	0.0241291	0.0216669	0.2654341	0.4465836	4	0.77289867
ENSG00000167670	19	CHAF1A	4402659	rs72990643	19	4454736	T	C	0.262425	-0.0131747	0.0102973	0.200747	-0.771445	0.0850416	1.18E-19	0.017078	0.0134802	0.2051933	0.09709318	12	0.72293997
ENSG00000167671	19	UBXN6	4444996	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.385396	0.0544689	1.49E-12	0.0127269	0.0286189	0.6565356	0.06401208	7	0.9355295
ENSG00000267769	19	CTB-50L17.9	4454011	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.873285	0.112849	1.01E-14	0.00561659	0.0126259	0.6564315	0.0845563	7	0.9355295
ENSG00000176840	19	MIR7-3HG	4769117	rs3760955	19	4772202	C	A	0.333996	-0.0106249	0.00850479	0.211562	-0.685198	0.0666506	8.63E-25	0.0155063	0.0125035	0.2149159	0.1954468	20	0.7320182
ENSG00000196365	19	LONP1	5691845	rs3892355	19	5696962	A	G	0.314115	0.00181731	0.00865393	0.833669	-0.585085	0.0757796	1.16E-14	-0.0031061	0.0147964	0.8337296	0.6504945	12	0.95954475
ENSG00000141994	19	DUS3L	5784843	rs2446206	19	5777415	C	T	0.195825	-0.004272	0.00974567	0.661132	-0.719987	0.102291	1.94E-12	0.00593348	0.0135621	0.6617459	0.6361581	10	0.93787835
ENSG00000105519	19	CAPS	5911718	rs274796	19	5918207	A	G	0.10338	-0.0003539	0.0149966	0.981173	0.561966	0.0902098	4.68E-10	-0.0006298	0.0266861	0.9811726	0.5514071	12	0.99593757
ENSG00000266983	19	CTC-232P5.1	5978414	rs2024163	19	5967637	C	T	0.523857	0.0091609	0.00807274	0.256461	-0.689114	0.1176	4.63E-09	-0.0132937	0.0119323	0.2652381	0.4995687	13	0.77289867
ENSG00000181240	19	SLC25A41	6426048	rs2860181	19	6436305	T	C	0.487078	-0.017558	0.00829139	0.0342074	0.817367	0.0810059	6.10E-24	-0.0214812	0.010365	0.03822168	0.3700438	17	0.50611661
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.648689	0.0625365	3.29E-25	-0.0063873	0.012892	0.6202872	0.03751792	10	0.92780325
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.81831	0.1114	2.05E-13	-0.0064889	0.0101503	0.5226392	0.9521475	8	0.88902293
ENSG00000104883	19	PEX11G	7541761	rs114900627	19	7540659	A	G	0.0765408	-0.0148576	0.0148356	0.316596	-0.653241	0.109222	2.22E-09	0.0227444	0.023027	0.3232844	0.5396335	9	0.82362657
ENSG00000268297	19	CLEC4GP1	7852435	rs36056976	19	7853716	G	C	0.240557	-0.0101914	0.0105164	0.332496	0.95735	0.0882879	2.14E-27	-0.0106454	0.0110287	0.3344202	0.2395274	16	0.83103105
ENSG00000269139	19	CTD-3193O13.8	7990886	rs7899	19	7991679	A	T	0.302187	0.00605874	0.00858081	0.480138	0.781569	0.0987358	2.46E-15	0.00775202	0.0110225	0.4818764	0.07699681	7	0.88426028
ENSG00000233927	19	RPS28	8386042	rs1808537	19	8402132	A	G	0.596421	0.0127969	0.00815127	0.116432	-0.317392	0.0501397	2.45E-10	-0.0403189	0.0264601	0.1275675	0.9554013	4	0.65842282
ENSG00000269386	19	RAB11B-AS1	8439257	rs72996742	19	8425212	A	G	0.266402	-0.0026886	0.00851996	0.752333	-0.409135	0.0676629	1.48E-09	0.00657145	0.0208527	0.7526575	0.3546813	3	0.94873228
ENSG00000099785	19	2-Mar	8478154	rs1599871	19	8548175	C	A	0.66998	-0.0279561	0.00918094	0.00232664	-0.474543	0.0633458	6.82E-14	0.0589116	0.0208841	0.00478913	0.4548616	19	0.28633186
ENSG00000130803	19	ZNF317	9251056	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	-1.09317	0.161799	1.42E-11	0.0233315	0.0133087	0.07958498	0.4223229	4	0.62558233
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.69001	0.18138	1.19E-20	-0.0150918	0.00847011	0.07478633	0.9485772	12	0.61480596
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.41671	0.151152	7.07E-21	0.00199364	0.0122175	0.870378	0.4601619	4	0.97682355
ENSG00000174652	19	ZNF266	9523272	rs8108483	19	9545030	T	C	0.558648	0.00163106	0.00810334	0.840478	0.9296	0.0742124	5.37E-36	0.00175458	0.00871814	0.8404981	0.8028146	17	0.96549656
ENSG00000129347	19	KRI1	10663761	rs35605746	19	10682247	G	A	0.777336	-0.0142115	0.00947893	0.133802	0.551877	0.0711582	8.79E-15	-0.0257512	0.0174938	0.1410155	0.1058615	17	0.66434762
ENSG00000267174	19	CTC-510F12.4	11411453	rs322159	19	11412773	C	T	0.293241	0.0114288	0.00891793	0.2	-0.53521	0.0915051	4.95E-09	-0.0213539	0.0170578	0.2106225	0.5158275	5	0.73142018
ENSG00000132010	19	ZNF20	12203658	rs73002487	19	12366030	C	T	0.133201	-0.0027828	0.0112328	0.804336	0.553872	0.089926	7.31E-10	-0.0050243	0.0202969	0.8044914	0.4475673	6	0.95331821
ENSG00000213290	19	PGK1P2	12670385	rs2059850	19	12664147	A	C	0.647117	0.00456166	0.00824773	0.580208	-0.612095	0.108438	1.66E-08	-0.0074525	0.0135391	0.5820144	0.3027801	3	0.91214319
ENSG00000105607	19	GCDH	13001840	rs2965216	19	13071082	A	G	0.484095	0.00364131	0.00810126	0.65309	-0.385982	0.0448755	7.89E-18	-0.0094339	0.0210173	0.6535312	0.131393	14	0.93515218
ENSG00000037757	19	MRI1	13875346	rs62111893	19	13874258	T	G	0.414513	-0.0047543	0.00815023	0.55967	-0.667547	0.0831278	9.72E-16	0.00712202	0.0122414	0.5607029	0.6311037	4	0.91153331
ENSG00000141854	19	hsa-mir-1199	14183348	rs7258963	19	14185226	C	T	0.377734	0.0119263	0.00828898	0.150203	0.534985	0.0731219	2.55E-13	0.0222928	0.0157906	0.1580167	0.7994287	19	0.67326138
ENSG00000105143	19	SLC1A6	15060846	rs12463072	19	15082224	T	G	0.34493	-0.0019318	0.0082942	0.81583	0.368709	0.0542688	1.09E-11	-0.0052394	0.0225085	0.8159367	0.8201485	9	0.95331821
ENSG00000186529	19	CYP4F3	15751707	rs1290617	19	15751897	G	T	0.426441	-0.0041973	0.00851787	0.622179	-0.695526	0.105597	4.50E-11	0.00603474	0.0122809	0.6231484	0.09865846	17	0.92817169
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.15506	0.0919032	3.16E-36	0.00486829	0.00707492	0.4913862	0.7553341	20	0.88426028
ENSG00000268673	19	LLNLR-249E10.1	15871185	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	0.773586	0.105143	1.87E-13	-0.007269	0.0105941	0.4926273	0.5870468	6	0.88426028
ENSG00000188039	19	NWD1	16830787	rs12983375	19	16831060	T	C	0.435388	0.00295434	0.00846322	0.727029	-0.427732	0.0533127	1.03E-15	-0.006907	0.019805	0.727277	0.202126	6	0.94727701
ENSG00000099330	19	OCEL1	17337013	rs736128	19	17339435	A	G	0.326044	0.00159342	0.00847892	0.850933	0.433879	0.0769719	1.73E-08	0.0036725	0.019553	0.8510155	0.9839302	5	0.96663994
ENSG00000130312	19	MRPL34	17403418	rs8100232	19	17422951	A	G	0.426441	-0.001116	0.00826322	0.892566	0.416442	0.0607896	7.36E-12	-0.0026799	0.0198463	0.8925862	0.5600022	9	0.97987891
ENSG00000171773	19	NXNL1	17566234	rs55854503	19	17570772	G	T	0.186879	-0.0222504	0.0100199	0.0263767	0.549774	0.097841	1.92E-08	-0.0404719	0.0195971	0.03890416	0.6698317	4	0.51086981
ENSG00000269752	19	CTD-3149D2.3	17724531	rs10403756	19	17739221	T	C	0.594433	0.00240016	0.00811054	0.767282	-0.549728	0.0978893	1.96E-08	-0.0043661	0.0147742	0.767596	0.1919853	11	0.94953271
ENSG00000266904	19	LINC00663	19868175	rs62134511	19	19895883	A	G	0.0397614	0.00078734	0.0233992	0.973158	-1.134	0.196536	7.93E-09	-0.0006943	0.0206346	0.9731583	0.9252344	6	0.99535579
ENSG00000081665	19	ZNF506	19896648	rs72620575	19	19926560	G	A	0.16501	0.00234494	0.0099915	0.814446	0.729456	0.113052	1.10E-10	0.00321464	0.0137063	0.814567	0.71423	19	0.95331821
ENSG00000105750	19	ZNF85	21106028	rs10454112	19	21130254	C	T	0.130219	-0.0101414	0.0123826	0.412784	0.969099	0.146879	4.17E-11	-0.0104648	0.0128755	0.4163521	0.8705308	7	0.8760777
ENSG00000172687	19	ZNF738	21541732	rs8103417	19	21556721	C	A	0.257455	-0.0157915	0.00888142	0.0753963	-0.717102	0.0960483	8.26E-14	0.0220213	0.0127315	0.08369015	0.08534719	15	0.64379887
ENSG00000196268	19	ZNF493	21579921	rs8110470	19	21483248	T	C	0.262425	-0.0149494	0.00886761	0.0918269	-0.5027	0.0911228	3.45E-08	0.0297382	0.0184452	0.1069088	0.231113	7	0.64481993
ENSG00000268555	19	RP11-678G14.3	21753624	rs35998933	19	21772288	T	C	0.333996	0.00671903	0.00846254	0.427211	-0.634428	0.101438	3.99E-10	-0.0105907	0.0134459	0.4309004	0.9205749	20	0.8760777
ENSG00000268535	19	RP11-420K14.3	21892324	rs12972593	19	21932574	C	G	0.576541	0.0026743	0.00806916	0.740324	-0.79904	0.0910041	1.63E-18	-0.0033469	0.0101058	0.7405036	0.5902359	20	0.94727701
ENSG00000197020	19	ZNF100	21905568	rs6511291	19	21950402	C	T	0.558648	-0.0002329	0.00806833	0.976969	-0.362319	0.060513	2.13E-09	0.00064286	0.0222688	0.9769697	0.3953329	4	0.99593757
ENSG00000160321	19	ZNF208	22115760	rs2666441	19	22139230	A	C	0.454274	-0.0044353	0.00805747	0.582008	0.666726	0.114464	5.72E-09	-0.0066523	0.012139	0.5836831	0.5590029	11	0.91214319
ENSG00000269332	19	CTC-457E21.3	22779059	rs16999396	19	22768501	T	G	0.0685885	-0.0030663	0.0200356	0.878365	1.12116	0.16423	8.68E-12	-0.0027349	0.0178749	0.8783954	0.6707024	8	0.97812135
ENSG00000269416	19	CTB-175P5.4	23582035	rs167154	19	23490203	G	A	0.253479	-0.0074414	0.00933136	0.425185	0.680175	0.0860527	2.70E-15	-0.0109404	0.0137887	0.4275278	0.1086404	20	0.8760777
ENSG00000261770	19	CTC-459F4.1	28248092	rs12976414	19	28335731	G	A	0.837972	0.0138116	0.00916794	0.131935	-1.39213	0.120414	6.48E-31	-0.0099212	0.00664122	0.1352067	0.8595613	14	0.66434762
ENSG00000264515	19	CTC-525D6.1	29777918	rs11671079	19	29900846	A	G	0.544732	0.00954947	0.00812932	0.240116	0.4317	0.0722846	2.34E-09	0.0221206	0.0191918	0.2490704	0.5935288	3	0.76070573
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.526182	0.067886	9.12E-15	0.00201923	0.0153663	0.895454	0.4126446	13	0.97987891
ENSG00000105186	19	ANKRD27	33087913	rs12462871	19	33090353	G	A	0.294235	-0.0081225	0.00885272	0.358874	-0.457598	0.0799164	1.03E-08	0.0177503	0.0195929	0.3649595	0.00639298	16	0.84538623
ENSG00000021488	19	SLC7A9	33321415	rs11672662	19	33375341	T	C	0.184891	0.00646163	0.0102373	0.527921	-0.734824	0.094351	6.80E-15	-0.0087934	0.0139773	0.529269	0.5097365	20	0.89404772
ENSG00000124299	19	PEPD	33877856	rs3786893	19	33880000	G	C	0.251491	-0.0110106	0.0094218	0.242553	0.59612	0.0946011	2.95E-10	-0.0184704	0.0160747	0.2505406	0.3860922	8	0.76320085
ENSG00000197841	19	ZNF181	35225060	rs4806052	19	35243100	G	A	0.317097	-0.0127216	0.00861651	0.13983	-0.373413	0.0658655	1.43E-08	0.0340684	0.0238447	0.1530713	0.8336532	4	0.67219629
ENSG00000225872	19	AC002398.5	36279778	rs75120684	19	36288595	C	G	0.028827	0.0221798	0.0202265	0.272829	-1.23759	0.131394	4.56E-21	-0.0179218	0.0164538	0.2760593	0.8404165	13	0.77954811
ENSG00000232677	19	LINC00665	36803969	rs111566004	19	36971444	T	C	0.215706	-0.0129029	0.0101711	0.204586	0.649899	0.0988903	4.97E-11	-0.0198537	0.0159392	0.2129147	0.9197987	20	0.7320182
ENSG00000233527	19	AC092295.7	37063972	rs3108208	19	37140528	T	C	0.599404	0.00069012	0.00835463	0.934167	-0.854968	0.0952145	2.72E-19	-0.0008072	0.00977228	0.9341694	0.5921271	18	0.99029499
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.41533	0.104572	9.79E-42	-0.0044929	0.00601677	0.4552299	0.1161625	20	0.87797516
ENSG00000167644	19	C19orf33	38794801	rs45437199	19	38795250	A	G	0.220676	0.00261195	0.00921804	0.776907	-0.851378	0.130023	5.83E-11	-0.0030679	0.0108373	0.7771101	0.194917	17	0.94953271
ENSG00000196218	19	RYR1	38924339	rs189569683	19	39049451	A	C	0.0467197	-0.0090376	0.0224613	0.687418	-0.799563	0.112996	1.48E-12	0.0113031	0.0281373	0.6878953	0.6014912	20	0.94651419
ENSG00000268055	19	AC067969.2	39026157	rs189569683	19	39049451	A	C	0.0467197	-0.0090376	0.0224613	0.687418	-1.05421	0.184675	1.14E-08	0.00857284	0.0213591	0.6881506	0.7845802	10	0.94651419
ENSG00000269486	19	CTC-360G5.9	39425976	rs1865049	19	39437560	G	A	0.667992	-0.0023076	0.00866337	0.789958	-0.732523	0.109663	2.39E-11	0.00315024	0.0118362	0.7901209	0.3022765	19	0.95044568
ENSG00000196235	19	SUPT5H	39926796	rs686956	19	39922188	T	C	0.553678	0.00061905	0.00827851	0.940392	-0.399561	0.068555	5.60E-09	-0.0015493	0.0207207	0.9403968	0.00667973	9	0.99087277
ENSG00000105341	19	ATP5SL	41937223	rs13346603	19	41945837	A	T	0.406561	0.00356149	0.00840342	0.671701	-0.343104	0.0628866	4.87E-08	-0.0103802	0.0245661	0.6726299	0.6016777	3	0.94321165
ENSG00000176531	19	PHLDB3	43979106	rs2021091	19	43963333	T	C	0.588469	0.00280861	0.00847106	0.740227	0.509156	0.0687219	1.27E-13	0.00551621	0.0166541	0.7404768	0.7620512	18	0.94727701
ENSG00000073050	19	XRCC1	44047192	rs3213263	19	44076154	C	T	0.600398	0.00356659	0.00811714	0.660379	-0.530349	0.0835186	2.15E-10	-0.006725	0.0153419	0.6611385	0.9595824	6	0.93776151
ENSG00000234465	19	PINLYP	44080952	rs17725124	19	44086301	C	T	0.0526839	-0.0181602	0.0215868	0.4002	-0.662279	0.111948	3.30E-09	0.0274208	0.0329226	0.4049095	0.8992534	5	0.86982438
ENSG00000176222	19	ZNF404	44376515	rs454559	19	44429120	T	C	0.511928	-0.0029783	0.00805673	0.71163	-0.440646	0.0611774	5.90E-13	0.00675896	0.018308	0.7119925	0.858501	17	0.94727701
ENSG00000167384	19	ZNF180	44979854	rs2686773	19	44999802	G	A	0.398608	0.00015548	0.00824671	0.984958	0.430193	0.078635	4.48E-08	0.00036143	0.0191699	0.9849577	0.3547272	5	0.99593757
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.22607	0.129716	3.33E-21	-0.0051287	0.00827842	0.5355675	0.8582453	7	0.89853289
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.443431	0.0673294	4.52E-11	-0.002234	0.0182179	0.9024036	0.6707355	5	0.97987891
ENSG00000169515	19	CCDC8	46913629	rs10412620	19	46929591	A	C	0.525845	0.00847524	0.00806074	0.293064	-0.415272	0.0604023	6.19E-12	-0.0204089	0.0196364	0.2986475	0.3192083	12	0.80544615
ENSG00000105287	19	PRKD2	47177532	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.576229	0.0629935	5.83E-20	0.0397319	0.0149456	0.00785035	0.0242584	20	0.37907695
ENSG00000134815	19	DHX34	47852538	rs2694542	19	47894509	C	T	0.356859	0.00041951	0.00853304	0.960789	0.400507	0.0624066	1.38E-10	0.00104745	0.0213062	0.9607903	0.820013	10	0.99296872
ENSG00000105483	19	CARD8	48684027	rs116950953	19	48732930	T	C	0.0427435	0.0637044	0.0283751	0.0247628	-0.51262	0.0764281	1.98E-11	-0.124272	0.0583717	0.03325595	0.00434058	3	0.49917972
ENSG00000105479	19	CCDC114	48799714	rs2292112	19	48799716	G	A	0.687873	0.00560035	0.00837576	0.503727	-0.824194	0.0995331	1.23E-16	-0.0067949	0.0101954	0.5051116	0.7522801	15	0.88426028
ENSG00000088002	19	SULT2B1	49055332	rs10401347	19	49092551	A	G	0.503976	-0.003449	0.00820147	0.674093	-1.03207	0.087096	2.16E-32	0.00334185	0.00795162	0.6742866	0.2065153	5	0.94352302
ENSG00000183207	19	RUVBL2	49496705	rs113328808	19	49512700	C	T	0.0934394	-0.0146829	0.0117279	0.210585	-0.52885	0.0774763	8.73E-12	0.0277638	0.0225461	0.2181651	0.4956263	6	0.73328747
ENSG00000074219	19	TEAD2	49843852	rs11882257	19	49863489	G	T	0.259443	-0.0126248	0.00872946	0.148114	0.380314	0.0656369	6.86E-09	-0.0331957	0.0236575	0.160563	0.7520545	9	0.67326138
ENSG00000268686	19	AC010524.2	49871962	rs2288481	19	49878196	A	G	0.206759	0.00657807	0.0112771	0.559682	-0.699125	0.113106	6.36E-10	-0.009409	0.016202	0.5614211	0.6139767	9	0.91167393
ENSG00000161618	19	ALDH16A1	49956426	rs7252656	19	49958546	G	A	0.753479	-0.0141181	0.00873608	0.10608	-0.736255	0.0972424	3.69E-14	0.0191756	0.0121328	0.114	0.00073139	6	0.64481993
ENSG00000126457	19	PRMT1	50179043	rs35791962	19	50183449	T	C	0.0397614	0.00317244	0.0256097	0.901413	0.818341	0.13908	4.01E-09	0.00387667	0.0313016	0.9014348	0.9547359	5	0.97987891
ENSG00000039650	19	PNKP	50364461	rs2257103	19	50370066	T	C	0.406561	0.00596491	0.00831595	0.473198	0.511271	0.0695679	1.99E-13	0.0116668	0.0163425	0.4752931	0.604282	10	0.88426028
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.674637	0.0855371	3.09E-15	0.0141271	0.0131297	0.2819421	0.05105047	8	0.78348136
ENSG00000204653	19	ASPDH	51014857	rs12327751	19	50968890	T	G	0.590457	0.00156921	0.00813157	0.846977	-0.40997	0.0712337	8.65E-09	-0.0038276	0.0198457	0.8470615	0.8372597	9	0.96559734
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.847429	0.109269	8.80E-15	0.00867775	0.0109232	0.4269421	0.9086561	7	0.8760777
ENSG00000129451	19	KLK10	51515995	rs7255930	19	51521918	C	T	0.619284	-0.0024201	0.00832739	0.771346	-0.672669	0.0995856	1.43E-11	0.0035977	0.0123911	0.7715517	0.1331936	5	0.94953271
ENSG00000262874	19	CTD-2616J11.4	51891543	rs3810095	19	51892850	G	A	0.162028	0.00649527	0.0126683	0.608148	0.756134	0.131735	9.48E-09	0.0085901	0.0168208	0.6095717	0.6291992	3	0.92780325
ENSG00000105509	19	HAS1	52216365	rs11084112	19	52222552	A	G	0.333996	0.0038216	0.00850545	0.653207	0.348529	0.0630765	3.29E-08	0.0109649	0.0244844	0.6542732	0.3532848	5	0.93515218
ENSG00000161551	19	ZNF577	52359055	rs7252110	19	52352015	T	C	0.297217	-0.0043233	0.00871329	0.619769	-0.595295	0.0723654	1.93E-16	0.00726252	0.0146635	0.6204042	0.08997462	20	0.92780325
ENSG00000198093	19	ZNF649	52392477	rs6509591	19	52391940	T	A	0.143141	0.0081601	0.0105724	0.440213	-0.624247	0.0964052	9.47E-11	-0.0130719	0.0170561	0.4434353	0.7530667	20	0.8760777
ENSG00000269235	19	HCCAT3	52452387	rs8104626	19	52480617	A	G	0.107356	-0.0130007	0.0140094	0.353409	0.986509	0.147013	1.94E-11	-0.0131785	0.0143361	0.357965	0.5425884	12	0.8429066
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	0.957625	0.0760252	2.22E-36	0.00946408	0.00867848	0.2754826	0.1229104	12	0.77954811
ENSG00000167555	19	ZNF528	52901102	rs1585207	19	52915816	C	G	0.770378	-0.0011893	0.00917112	0.896819	0.645965	0.0825728	5.16E-15	-0.0018412	0.0141995	0.8968329	0.5084687	15	0.97987891
ENSG00000198633	19	ZNF534	52932440	rs73586087	19	52925539	A	G	0.0765408	-0.0080953	0.0170403	0.634736	1.1737	0.174454	1.72E-11	-0.0068973	0.0145546	0.6355781	0.5370023	8	0.93167523
ENSG00000167766	19	ZNF83	53097313	rs7256557	19	53119166	A	G	0.350895	-0.017054	0.00834443	0.0409779	0.380996	0.0603559	2.75E-10	-0.0447616	0.0230209	0.05184853	0.5727679	13	0.59174573
ENSG00000268225	19	CTD-2331H12.5	53365060	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.73481	0.0877508	5.58E-17	-0.0157754	0.0114892	0.1697338	0.5497809	9	0.6779252
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.578192	0.0640348	1.73E-19	-0.0200485	0.0145739	0.1689301	0.6401086	10	0.6779252
ENSG00000269001	19	ZNF818P	53716241	rs11673357	19	53700807	C	T	0.798211	-0.0108801	0.00952774	0.253481	-0.696777	0.116202	2.02E-09	0.0156149	0.0139198	0.2619569	0.03046351	9	0.77251343
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-0.912343	0.118634	1.47E-14	0.00420065	0.0113227	0.7106436	0.5848736	13	0.94727701
ENSG00000167608	19	TMC4	54663846	rs2576452	19	54676433	C	T	0.564612	-0.017559	0.00822644	0.032805	0.532212	0.0824049	1.06E-10	-0.0329925	0.0162793	0.04269835	0.03364634	10	0.5391837
ENSG00000170889	19	RPS9	54704610	rs35740980	19	54713254	A	C	0.422465	-0.0057883	0.00820889	0.480729	-0.25474	0.0406638	3.74E-10	0.0227225	0.0324281	0.4834866	0.2689489	4	0.88426028
ENSG00000268496	19	CTD-2587H19.2	54945363	rs3745428	19	54940303	T	A	0.340954	0.00020347	0.00810531	0.979973	0.422341	0.0642205	4.82E-11	0.00048176	0.0191915	0.9799731	0.8382149	15	0.99593757
ENSG00000022556	19	NLRP2	55464498	rs4422092	19	55474210	A	G	0.44334	-0.0058256	0.00824967	0.480088	0.738857	0.0853816	4.99E-18	-0.0078846	0.0112026	0.4815436	0.6406405	20	0.88426028
ENSG00000180089	19	TMEM86B	55738007	rs3826886	19	55741205	A	G	0.159046	-0.01077	0.0115211	0.349889	0.642576	0.0989259	8.27E-11	-0.0167607	0.0181143	0.3548235	0.4720702	6	0.8429066
ENSG00000108107	19	RPL28	55896713	rs17700376	19	55897327	G	A	0.37674	0.0024536	0.008364	0.769253	-0.239872	0.0426804	1.91E-08	-0.0102288	0.0349161	0.7695576	0.5935712	5	0.94953271
ENSG00000267454	19	ZNF582-AS1	56905025	rs12610115	19	56915855	A	C	0.492048	-0.0024952	0.00819003	0.760624	-0.606304	0.0824513	1.93E-13	0.00411541	0.0135197	0.7608226	0.236865	8	0.94873228
ENSG00000166770	19	ZNF667-AS1	56988619	rs10409168	19	57008134	T	C	0.715706	-0.0107905	0.00831605	0.194443	-0.531148	0.0713698	9.90E-14	0.0203154	0.0158929	0.2011549	0.08460714	16	0.718983
ENSG00000269696	19	AC007228.11	57056935	rs12981980	19	57050648	A	G	0.292247	-0.0180638	0.00895414	0.0436576	0.794586	0.103972	2.13E-14	-0.0227336	0.0116549	0.05111012	0.3241599	20	0.59174573
ENSG00000105146	19	AURKC	57742377	rs55736291	19	57751972	C	T	0.252485	0.00780861	0.00859628	0.363682	0.707927	0.119812	3.45E-09	0.0110302	0.0122855	0.36928	0.5487074	7	0.84538623
ENSG00000186230	19	ZNF749	57946697	rs7255035	19	57943697	G	A	0.505964	-0.0019558	0.00808678	0.808893	1.03436	0.0735144	5.79E-45	-0.0018909	0.0078193	0.808921	0.7424142	20	0.95331821
ENSG00000268266	19	AC003005.2	57989017	rs12976560	19	57990916	C	G	0.360835	-0.0272659	0.00887942	0.00213565	-0.809337	0.118815	9.64E-12	0.0336892	0.0120345	0.00511991	0.1518753	16	0.29710542
ENSG00000105136	19	ZNF419	57999079	rs10409092	19	58009514	G	A	0.684891	-0.0021517	0.00913413	0.813771	-0.701177	0.0940484	8.95E-14	0.00306865	0.0130334	0.8138624	0.1299573	20	0.95331821
ENSG00000083828	19	ZNF586	58281023	rs7255898	19	58313576	A	G	0.593439	0.0152914	0.008163	0.0610323	0.516663	0.0895085	7.82E-09	0.0295965	0.0166106	0.07478546	0.07013176	13	0.61480596
ENSG00000204514	19	ZNF814	58360099	rs28374851	19	58361328	C	G	0.289264	0.0121378	0.00832495	0.144839	-0.451475	0.0757225	2.49E-09	-0.0268848	0.0189828	0.1566961	0.4940321	17	0.67326138
ENSG00000270804	19	CTD-2583A14.11	58379253	rs10406133	19	58379986	T	C	0.287276	0.00582301	0.0084775	0.49216	0.662092	0.0923604	7.58E-13	0.00879487	0.0128628	0.4941352	0.236393	6	0.88426028
ENSG00000196724	19	ZNF418	58433252	rs6510112	19	58417426	A	G	0.252485	0.00603171	0.00855088	0.480567	-0.509132	0.0870438	4.94E-09	-0.011847	0.0169167	0.4837298	0.1823792	5	0.88426028
ENSG00000176593	19	CTD-2368P22.1	58513429	rs1035522	19	58510932	C	T	0.703777	0.0158274	0.00885709	0.0739418	-0.650469	0.0781046	8.21E-17	-0.0243323	0.0139264	0.08060145	0.07220254	20	0.62856388
ENSG00000171574	19	ZNF584	58912871	rs893187	19	58963018	G	C	0.250497	0.00595604	0.00891681	0.504162	0.379797	0.0684823	2.92E-08	0.0156822	0.0236475	0.5072257	0.6434117	10	0.88426028
ENSG00000213753	19	RPL23AP79	59084870	rs895374	19	59066918	C	A	0.596421	-0.0073105	0.00848721	0.389044	0.557848	0.0619757	2.24E-19	-0.0131048	0.0152837	0.3912042	0.641811	12	0.86143514
ENSG00000101255	20	TRIB3	361261	rs62191434	20	360062	C	T	0.437376	0.00624943	0.00809279	0.439982	0.497327	0.0907036	4.18E-08	0.012566	0.0164332	0.444465	0.9380959	6	0.8760777
ENSG00000101307	20	SIRPB1	1544167	rs4813331	20	1897442	T	C	0.374751	-0.001907	0.0083717	0.819812	1.14899	0.0852453	2.09E-41	-0.0016597	0.00728718	0.8198375	0.9999714	20	0.95533382
ENSG00000230839	20	RP5-968J1.1	1784662	rs200895	20	1789798	C	G	0.653082	-0.0173099	0.00833653	0.0378582	0.593941	0.0716562	1.14E-16	-0.0291441	0.0144697	0.04399325	0.2703837	7	0.54580431
ENSG00000125877	20	ITPA	3189514	rs112200085	20	3196390	A	G	0.129225	0.00157304	0.0149309	0.916095	-0.759771	0.0852873	5.18E-19	-0.0020704	0.0196532	0.9161002	0.5536231	20	0.97987891
ENSG00000101236	20	RNF24	3907956	rs6116153	20	3996208	T	C	0.446322	-0.0211003	0.00807461	0.00897078	-0.532309	0.0886611	1.93E-09	0.0396392	0.0165436	0.01657286	0.03903192	15	0.44186828
ENSG00000089063	20	TMEM230	5080486	rs2715	20	5081049	C	T	0.548708	0.00115186	0.00814015	0.887472	0.401774	0.0711745	1.65E-08	0.00286694	0.0202669	0.8875073	0.1992876	6	0.97971665
ENSG00000101290	20	CDS2	5107432	rs6053191	20	5180277	C	T	0.455268	-0.0075007	0.00826618	0.364198	0.393937	0.0573211	6.31E-12	-0.0190403	0.0211656	0.3683404	0.6817087	15	0.84538623
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	1.15736	0.118072	1.10E-22	0.00282562	0.00852592	0.7403309	0.6281816	9	0.94727701
ENSG00000171984	20	C20orf196	5731039	rs2326660	20	5726401	T	C	0.148111	0.00669334	0.0133924	0.617224	-0.769148	0.13154	5.00E-09	-0.0087023	0.0174755	0.6185047	0.9732723	3	0.92780325
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.549533	0.0833211	4.24E-11	0.00581093	0.0179825	0.7465868	0.2006221	12	0.94727701
ENSG00000100987	20	VSX1	25051521	rs1005409	20	25044023	T	G	0.188867	-0.014861	0.0104773	0.156074	-0.480711	0.0661543	3.69E-13	0.0309146	0.0222068	0.1638841	0.528941	13	0.67326138
ENSG00000100997	20	ABHD12	25275379	rs6138609	20	25570985	A	T	0.427435	-0.0043619	0.00809943	0.590201	0.325767	0.0493603	4.12E-11	-0.0133897	0.0249453	0.5914326	0.5274512	20	0.91954021
ENSG00000175170	20	FAM182B	25744102	rs2424750	20	25978849	A	C	0.599404	-0.0112209	0.00822069	0.172267	0.878095	0.106452	1.60E-16	-0.0127787	0.00948927	0.1780943	0.3605752	20	0.69192294
ENSG00000125804	20	FAM182A	26035291	rs2721984	20	26079556	A	G	0.508946	-0.0131453	0.00807358	0.103485	-0.765291	0.0994234	1.39E-14	0.0171769	0.0107831	0.1111736	0.5594019	20	0.64481993
ENSG00000205611	20	RP4-610C12.4	29513582	rs6119125	20	29641570	C	G	0.522863	-0.0187987	0.00809703	0.0202502	0.548988	0.0978382	2.01E-08	-0.0342425	0.0159617	0.03192922	0.9703215	20	0.49768191
ENSG00000238151	20	MLLT10P1	29637799	rs6119047	20	29574340	A	G	0.149105	-0.0036042	0.00991427	0.716201	0.917287	0.150556	1.11E-09	-0.0039292	0.0108275	0.7166839	0.3399977	8	0.94727701

ENSG00000198547	20	C20orf203	31219428	rs80104500	20	31296998	A	G	0.249503	-0.0057898	0.00946912	0.540909	0.675262	0.0904604	8.35E-14	-0.0085741	0.0140698	0.5422605	0.1368855	12	0.8990588
ENSG00000126005	20	MMP24-AS1	33804265	rs2297789	20	33867248	T	A	0.200795	0.0204524	0.00965069	0.0340675	-0.608253	0.0734569	1.23E-16	-0.0336248	0.0163777	0.04006368	0.9380369	9	0.51663817
ENSG00000224497	20	RPL36P4	34132175	rs17092784	20	34142287	A	G	0.158052	-0.0019897	0.0129211	0.877621	1.09558	0.120404	9.10E-20	-0.0018161	0.0117955	0.8776387	0.4955993	20	0.97812135
ENSG00000214078	20	CPNE1	34213953	rs146367992	20	34289650	A	T	0.101392	0.00521284	0.0150369	0.72884	-0.978901	0.105718	2.05E-20	-0.0053252	0.0153718	0.7290217	0.8171572	20	0.94727701
ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.26926	0.113933	7.97E-29	0.0031211	0.00870706	0.7200017	0.2444434	20	0.94727701
ENSG00000196756	20	SNHG17	37049235	rs788347	20	37062583	T	C	0.159046	0.0114055	0.0110916	0.30381	1.58352	0.124712	6.11E-37	0.00720262	0.00702733	0.3053891	0.65224	20	0.80715034
ENSG00000244558	20	RP11-445H22.4	43323533	rs716869	20	43286709	A	G	0.743539	-0.0060048	0.00932933	0.519808	-0.413888	0.0751053	3.57E-08	0.0145082	0.0226939	0.5226301	0.0707883	4	0.88902293
ENSG00000101104	20	PABPC1L	43538703	rs16989483	20	43537200	C	T	0.287276	-0.0285103	0.00942092	0.00247588	-0.501988	0.0624785	9.39E-16	0.0567948	0.0200543	0.00462514	0.9284671	8	0.28633186
ENSG00000124116	20	WFDC3	44376583	rs6032548	20	44425837	G	C	0.657058	-0.0071994	0.00853688	0.399048	1.05241	0.0915125	1.32E-30	-0.0068408	0.00813352	0.4003116	0.1283292	20	0.86792834
ENSG00000225849	20	MKRN7P	45092541	rs7266119	20	45100761	T	C	0.0576541	0.00111505	0.0183064	0.951431	1.13522	0.187041	1.28E-09	0.00098223	0.0161267	0.951433	0.3545122	5	0.99296872
ENSG00000158296	20	SLC13A3	45186463	rs863672	20	45199926	T	C	0.817097	-0.0034994	0.0115919	0.762743	-0.838804	0.0936411	3.32E-19	0.00417186	0.0138274	0.7628736	0.4044613	11	0.94873228
ENSG00000231742	20	RP11-112L6.4	48789087	rs6122883	20	48789373	G	A	0.345924	0.00637556	0.00847788	0.452037	0.788708	0.101531	7.97E-15	0.00808355	0.0107993	0.4541444	0.6624425	9	0.87797516
ENSG00000019186	20	CYP24A1	52769988	rs2248461	20	52792202	A	G	0.38171	0.004766	0.00864075	0.581242	-0.718264	0.105111	8.29E-12	-0.0066354	0.0120692	0.5824673	0.2428314	12	0.91214319
ENSG00000101158	20	NELFCD	57556263	rs17851253	20	57564695	T	C	0.119284	0.00182028	0.0108145	0.866332	-0.611197	0.0907722	1.66E-11	-0.0029782	0.0176995	0.8663741	0.9551799	14	0.97450157
ENSG00000101181	20	MTG2	60758085	rs6062133	20	60768615	A	G	0.135189	-0.0132231	0.0104603	0.206189	0.703983	0.102587	6.78E-12	-0.0187833	0.0151087	0.2137924	0.4473786	10	0.7320182
ENSG00000101190	20	TCFL5	61472467	rs1980500	20	61473841	C	T	0.274354	0.0195559	0.00915807	0.0327303	0.464254	0.0663231	2.56E-12	0.0421233	0.0206239	0.04110679	0.1692744	8	0.52664738
ENSG00000231133	20	HAR1B	61726845	rs111435192	20	61734190	A	G	0.241551	-0.0153337	0.00957251	0.10919	-0.593935	0.0954644	4.92E-10	0.0258171	0.0166427	0.1208403	0.5110464	11	0.65842282
ENSG00000225978	20	HAR1A	61733483	rs111435192	20	61734190	A	G	0.241551	-0.0153337	0.00957251	0.10919	-0.539062	0.0761073	1.41E-12	0.0284451	0.0182062	0.1181961	0.361641	7	0.65690396
ENSG00000101198	20	NKAIN4	61872136	rs147378830	20	61885230	C	G	0.0934394	-0.0221106	0.0168508	0.189474	0.574598	0.0846553	1.14E-11	-0.0384801	0.0298692	0.1976458	0.5150951	11	0.71320307
ENSG00000130584	20	ZBTB46	62375019	rs4809370	20	62470872	T	C	0.393638	0.00145674	0.00841188	0.862513	0.34126	0.0617306	3.24E-08	0.00426871	0.0246616	0.8625794	0.242323	8	0.97305269
ENSG00000149656	20	LINC00266-1	62921738	rs117793083	20	62911605	A	G	0.05666	0.0569029	0.019809	0.00407136	1.59716	0.249895	1.64E-10	0.0356276	0.0135978	0.00879026	0.5508096	3	0.38540394
ENSG00000224924	21	LINC00320	22114908	rs34328150	21	22113448	G	T	0.816103	0.00036782	0.00910486	0.967776	-0.313055	0.0507399	6.84E-10	-0.0011749	0.0290845	0.9677764	0.908528	10	0.99493047
ENSG00000273492	21	AP000230.1	27543189	rs457581	21	27594480	A	G	0.238569	-0.0083468	0.00930417	0.369665	1.07343	0.0956417	3.13E-29	-0.0077758	0.00869535	0.3711887	0.3408626	20	0.84538623
ENSG00000156239	21	N6AMT1	30244513	rs60584984	21	30276780	G	C	0.204771	-0.0164	0.00997588	0.100183	-0.670931	0.0978698	7.11E-12	0.0244436	0.0152903	0.1099005	0.3385701	14	0.64481993
ENSG00000156253	21	RWDD2B	30376705	rs9982332	21	30392826	G	C	0.712724	-0.0216368	0.0106885	0.0429378	-0.801512	0.0792732	4.95E-24	0.026995	0.0136001	0.047154	0.3784681	20	0.56578717
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.532053	0.071043	6.93E-14	-0.0297611	0.0167895	0.07629375	0.1024838	5	0.61606353
ENSG00000231106	21	AP000688.8	37377636	rs61738607	21	37377631	A	G	0.348907	0.00376144	0.00841153	0.654748	0.945276	0.0889715	2.29E-26	0.0039792	0.00890637	0.6550331	0.3852866	20	0.93515218
ENSG00000185917	21	SETD4	37406839	rs62230788	21	37380337	T	A	0.360835	0.00412483	0.00825071	0.617119	-0.608363	0.0847238	6.94E-13	-0.0067802	0.013595	0.6179703	0.5731733	20	0.92780325
ENSG00000159228	21	CBR1	37442239	rs2835228	21	37375643	T	C	0.72167	0.0132114	0.00884856	0.135423	-0.399399	0.0565598	1.65E-12	-0.0330782	0.0226445	0.1440808	0.332152	16	0.66790255
ENSG00000159231	21	CBR3	37507210	rs1543655	21	37483374	A	G	0.331014	0.00719055	0.00883097	0.415506	-0.44407	0.0741789	2.14E-09	-0.0161924	0.0200695	0.4197738	0.9735699	7	0.8760777
ENSG00000224790	21	AP000704.5	38338812	rs13046468	21	38339455	T	C	0.430417	0.0092834	0.00807436	0.250251	-1.00484	0.0969186	3.47E-25	-0.0092387	0.00808473	0.2531494	0.1783523	20	0.76442105
ENSG00000157578	21	LCA5L	40777770	rs4816628	21	40822940	A	C	0.520875	0.00452343	0.00806455	0.574864	-0.88588	0.10082	1.54E-18	-0.0051061	0.00912196	0.5756407	0.01333062	20	0.91214319
ENSG00000141956	21	PRDM15	43218385	rs143393748	21	43298846	T	C	0.12326	-0.0021272	0.0141624	0.880606	0.614436	0.106288	7.43E-09	-0.003462	0.0230572	0.8806464	0.2704302	8	0.97812135
ENSG00000184385	21	C21orf128	43522244	rs2839466	21	43512324	A	G	0.200795	-0.0004465	0.00921962	0.961378	0.507262	0.0848383	2.24E-09	-0.0008801	0.0181759	0.9613794	0.3041684	7	0.99296872
ENSG00000235772	21	AP001625.6	43980484	rs12483424	21	43981658	A	G	0.21173	-0.0097002	0.00934171	0.299094	-0.887974	0.140733	2.80E-10	0.010924	0.0106618	0.3055541	0.4351975	8	0.80715034
ENSG00000235023	21	AP001626.2	44068381	rs915848	21	44053466	C	T	0.357853	-0.0012627	0.00808527	0.875898	-0.462842	0.0806063	9.36E-09	0.0027281	0.0174752	0.8759442	0.8689357	5	0.97812135
ENSG00000160200	21	CBS	44473301	rs234728	21	44448775	A	G	0.372763	0.00043497	0.0081349	0.957358	-0.644076	0.0872307	1.54E-13	-0.0006753	0.0126307	0.9573593	0.7655689	20	0.99296872
ENSG00000241945	21	PWP2	45527171	rs12627239	21	45515823	G	A	0.178926	0.00066253	0.01089	0.951488	1.36856	0.127377	6.31E-27	0.00048411	0.0079574	0.9514885	0.3000938	15	0.99296872
ENSG00000160221	21	C21orf33	45553487	rs3788104	21	45512094	A	G	0.16501	-0.0090425	0.0116415	0.437309	1.49354	0.134135	8.51E-29	-0.0060544	0.00781351	0.4384211	0.1065517	15	0.8760777
ENSG00000160226	21	C21orf2	45748827	rs73374031	21	45759197	C	G	0.238569	-0.003711	0.0100537	0.712041	0.471872	0.0693944	1.05E-11	-0.0078644	0.0213374	0.7124459	0.9292768	4	0.94727701
ENSG00000183250	21	C21orf67	46352729	rs4818989	21	46356816	G	A	0.356859	-0.004873	0.00848587	0.5658	-0.4446	0.0579011	1.61E-14	0.0109604	0.0191398	0.566882	0.668324	19	0.91214319
ENSG00000215447	21	BX322557.10	46707967	rs2838865	21	46712299	T	C	0.296223	0.0138434	0.00914124	0.129927	-0.764957	0.0667712	2.18E-30	-0.018097	0.012054	0.1332703	0.3247472	20	0.66232318
ENSG00000223768	21	LINC00205	46713200	rs2838865	21	46712299	T	C	0.296223	0.0138434	0.00914124	0.129927	-1.02148	0.0742427	4.52E-43	-0.0135523	0.00900306	0.1322473	0.2092957	20	0.66112183
ENSG00000142156	21	COL6A1	47401651	rs9983378	21	47398411	G	A	0.32008	0.00249089	0.00873512	0.775524	0.520574	0.0718782	4.41E-13	0.00478489	0.0167928	0.7756922	0.8505526	20	0.94953271
ENSG00000160282	21	FTCD	47556176	rs4818827	21	47593484	A	G	0.754473	0.00898747	0.0110121	0.414416	0.638431	0.102807	5.30E-10	0.0140774	0.017397	0.4184078	0.8216256	14	0.8760777
ENSG00000182362	21	YBEY	47706251	rs4819238	21	47746882	G	A	0.824056	-0.0176979	0.00954515	0.0637206	-1.03937	0.104319	2.20E-23	0.0170275	0.00934126	0.06832905	0.5291691	20	0.61480596
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.1442	0.100848	7.78E-30	0.0138384	0.00820191	0.0915617	0.5116656	20	0.64379887
ENSG00000273203	22	AC006946.16	17548711	rs17806974	22	17539129	A	G	0.125249	0.00709853	0.0109047	0.515073	-1.06087	0.185012	9.80E-09	-0.0066912	0.010345	0.5177575	0.3362885	6	0.88902293
ENSG00000235478	22	AC006946.15	17602476	rs79743777	22	17614488	A	G	0.0457256	-0.0156678	0.0185974	0.399523	-0.923157	0.163843	1.76E-08	0.016972	0.0203694	0.4047263	0.2003354	13	0.86982438
ENSG00000237517	22	DGCR5	18958027	rs2540626	22	18954191	C	T	0.322068	-0.0055612	0.0094633	0.55676	-0.403996	0.0670519	1.69E-09	0.0137655	0.0235354	0.5586248	0.4156421	8	0.91086573
ENSG00000273032	22	DGCR9	19005347	rs8136002	22	18969794	A	C	0.640159	-0.0024538	0.00886201	0.781865	-0.322946	0.05762	2.09E-08	0.00759814	0.0274746	0.7821246	0.00844627	20	0.94953271
ENSG00000273164	22	DGCR10	19010569	rs62230772	22	19010149	C	T	0.302187	0.0142084	0.00864654	0.100332	-0.977779	0.0807378	9.29E-34	-0.0145313	0.00892407	0.1034558	0.3317725	20	0.64481993
ENSG00000070413	22	DGCR2	19023795	rs8135308	22	19087915	G	T	0.187873	0.0170444	0.0110278	0.122206	0.37521	0.0619829	1.42E-09	0.0454263	0.0303339	0.134252	0.01016298	9	0.66377984
ENSG00000273311	22	DGCR11	19033675	rs2800985	22	19078409	T	C	0.351889	0.0208499	0.0088439	0.0183963	0.499831	0.0883609	1.54E-08	0.0417139	0.019169	0.02954659	0.4867382	4	0.48674683
ENSG00000070371	22	CLTCL1	19166986	rs67966911	22	19283871	A	T	0.083499	0.00927048	0.0192114	0.629415	1.1176	0.184225	1.31E-09	0.00829499	0.0172442	0.630494	0.2562853	13	0.93028115
ENSG00000185065	22	AC000068.5	19435416	rs75637138	22	19440597	A	G	0.182903	-0.0033581	0.00982288	0.732452	-0.733914	0.123863	3.12E-09	0.00457563	0.0134065	0.7328781	0.5190841	9	0.94727701
ENSG00000185838	22	GNB1L	19770747	rs3788304	22	19840196	G	C	0.201789	-0.0176159	0.0104327	0.0913103	0.56973	0.0828593	6.16E-12	-0.0309197	0.0188557	0.1010455	0.2328895	7	0.64481993
ENSG00000223553	22	SMPD4P1	20956882	rs8136537	22	21046797	A	G	0.550696	-0.0059442	0.00881555	0.500132	0.656136	0.0987192	3.00E-11	-0.0090593	0.0135045	0.5023238	0.4201817	20	0.88426028
ENSG00000099940	22	SNAP29	21213271	rs5759762	22	21004024	T	A	0.082505	0.00851531	0.0152842	0.577438	-0.806371	0.128228	3.20E-10	-0.01056	0.0190285	0.5789235	0.2495256	5	0.91214319
ENSG00000230513	22	THAP7-AS1	21356175	rs1966316	22	21366634	G	A	0.213718	0.00665228	0.00936429	0.477463	-0.812754	0.124587	6.86E-11	-0.0081849	0.0115898	0.4800556	0.5452183	9	0.88426028
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.58167	0.153111	5.15E-25	0.00484896	0.0113062	0.6680125	0.6814951	9	0.94200099
ENSG00000183506	22	PI4KAP2	21827289	rs165598	22	21216695	C	A	0.476143	0.00412096	0.00877598	0.63866	0.642398	0.0875463	2.17E-13	0.00641496	0.0136892	0.6393455	0.7874831	20	0.93439161
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.937261	0.0801553	1.38E-31	-0.0011679	0.00889363	0.8955277	0.1151287	20	0.97987891
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.602704	0.0910956	3.69E-11	-0.0059432	0.0147666	0.687335	0.2588592	7	0.94651419
ENSG00000128266	22	GNAZ	23412540	rs2267001	22	23456696	C	T	0.558648	-0.021096	0.00806511	0.0089041	-0.280899	0.0478567	4.37E-09	0.0751017	0.0314337	0.01688476	0.7809348	10	0.44418175
ENSG00000100228	22	RAB36	23487513	rs3788342	22	23423107	G	T	0.275348	-0.0142097	0.00889389	0.110111	0.370673	0.0666998	2.74E-08	-0.0383349	0.0249658	0.124662	0.5478325	9	0.65842282
ENSG00000186716	22	BCR	23521891	rs180806	22	23655219	A	G	0.37674	-0.008206	0.00822411	0.318376	-0.377917	0.062038	1.12E-09	0.0217138	0.0220517	0.3247814	0.5801734	4	0.82362657
ENSG00000133519	22	ZDHHC8P1	23732793	rs8140608	22	23744699	C	T	0.0238569	-0.0203784	0.0280213	0.467075	1.04989	0.164913	1.94E-10	-0.01941	0.0268633	0.4699578	0.9943478	5	0.88426028
ENSG00000227755	22	AP000344.4	23788785	rs56806351	22	23776219	A	G	0.158052	-0.001095	0.0103144	0.915454	0.720907	0.113151	1.88E-10	-0.0015189	0.0143095	0.9154653	0.3521714	13	0.97987891
ENSG00000234353	22	AP000347.4	23980679	rs113737068	22	23977763	T	C	0.170974	-0.0039368	0.013929	0.77746	-0.387577	0.0659301	4.14E-09	0.0101574	0.0359802	0.7777096	0.8542672	3	0.94953271
ENSG00000272578	22	AP000347.2	24000281	rs7289104	22	23977513	G	A	0.172962	-0.0043154	0.0139265	0.756662	-0.492906	0.0821661	1.99E-09	0.00875493	0.0282915	0.756976	0.6988927	3	0.94873228
ENSG00000128218	22	VPREB3	24094930	rs11705032	22	24169707	C	G	0.11829	0.0191943	0.0119641	0.108642	1.28454	0.155205	1.27E-16	0.0149425	0.00948729	0.1152548	0.4305782	14	0.64720285
ENSG00000218537	22	AP000350.4	24236613	rs5751771	22	24258777	T	C	0.606362	0.00963985	0.0083451	0.248028	0.817424	0.107021	2.21E-14	0.011793	0.0103251	0.2533864	0.3107066	12	0.76442105
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.17876	0.0845524	3.56E-44	0.00744316	0.00710373	0.2947391	0.1670318	20	0.80346119
ENSG00000225282	22	AP000350.6	24269087	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.996894	0.10049	3.40E-23	0.00880104	0.00842278	0.2960651	0.2359699	20	0.80544615
ENSG00000133433	22	GSTT2B	24299601	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	-0.905809	0.0978777	2.15E-20	-0.009686	0.00927741	0.2964642	0.1782569	19	0.80544615
ENSG00000099977	22	DDT	24313554	rs5751760	22	24243573	A	G	0.56163	0.0130336	0.00828851	0.115837	0.400821	0.0684291	4.70E-09	0.0325173	0.021411	0.1288343	0.8305092	9	0.65842282
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.765707	0.10876	1.92E-12	0.0161716	0.0109972	0.1414222	0.8514185	10	0.66434762
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.20759	0.123372	1.27E-22	-0.0106357	0.00908853	0.2419059	0.6970579	15	0.75158302
ENSG00000224205	22	AP000351.4	24329511	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	1.03533	0.0966144	8.55E-27	0.0119601	0.00803183	0.1364628	0.88976	20	0.66434762
ENSG00000100058	22	CRYBB2P1	25844072	rs6004675	22	25889385	C	A	0.0715706	-0.0400432	0.0156027	0.010275	1.03648	0.131047	2.59E-15	-0.0386338	0.0158262	0.01464139	0.3473653	9	0.44186828
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.09324	0.143955	3.09E-14	0.0366593	0.0150621	0.01493791	0.2415303	8	0.44186828
ENSG00000261188	22	CTA-445C9.14	26908503	rs134144	22	26908970	A	G	0.0487078	0.0205675	0.0291476	0.480417	-0.790904	0.141434	2.24E-08	-0.0260051	0.0371458	0.4838766	0.6816236	14	0.88426028
ENSG00000230051	22	CTA-929C8.8	27727748	rs9620684	22	27728006	C	G	0.164016	0.00099872	0.0104647	0.923968	0.80138	0.124853	1.38E-10	0.00124625	0.0130598	0.9239762	0.9927425	8	0.98275205
ENSG00000235954	22	TTC28-AS1	28315364	rs2267128	22	28316173	A	G	0.0586481	-0.0221559	0.018107	0.221099	0.898976	0.132271	1.07E-11	-0.0246457	0.0204656	0.2284935	0.7582997	20	0.73598765
ENSG00000214491	22	SEC14L6	30918786	rs4820865	22	30936781	G	A	0.754473	-0.0085131	0.00891926	0.339851	0.477196	0.0867099	3.73E-08	-0.0178398	0.01897	0.3470012	0.96129	3	0.8363037
ENSG00000237977	22	EIF4HP2	31298206	rs5753377	22	31293700	A	G	0.277336	0.0110636	0.00896944	0.217399	-0.748379	0.0926449	6.59E-16	-0.0147834	0.0121241	0.2227137	0.8374776	8	0.73598765
ENSG00000241878	22	PISD	32014477	rs131233	22	32117100	A	C	0.204771	0.00456084	0.00988786	0.644614	0.316212	0.0519587	1.16E-09	0.0144234	0.0313594	0.6455612	0.1139714	18	0.93485806
ENSG00000100348	22	TXN2	36863083	rs62229996	22	36906128	C	T	0.028827	-0.0059267	0.0181589	0.744139	0.767518	0.116006	3.69E-11	-0.0077218	0.023688	0.7444389	0.8029402	12	0.94727701
ENSG00000100350	22	FOXRED2	36883237	rs74399759	22	36792307	C	G	0.0606362	0.0221974	0.0158053	0.160191	1.09371	0.185956	4.06E-09	0.0202955	0.0148574	0.1719317	0.2138993	14	0.67980209
ENSG00000234688	22	RP1-293L6.1	37099963	rs5756319	22	37117819	T	C	0.67992	-0.0142456	0.0082256	0.083299	0.555144	0.0843939	4.77E-11	-0.0256611	0.015322	0.09397571	0.00446947	3	0.64379887
ENSG00000100360	22	IFT27	37154246	rs8135284	22	37182681	T	C	0.757455	-0.0091531	0.00891451	0.304532	-0.395596	0.0673897	4.35E-09	0.0231375	0.0228765	0.3118209	0.4629396	4	0.81378166
ENSG00000133466	22	C1QTNF6	37576207	rs4821596	22	37578995	T	C	0.21173	-0.0194353	0.0103516	0.0604477	-0.575336	0.0696876	1.51E-16	0.0337808	0.0184517	0.06713458	0.6773952	11	0.61480596
ENSG00000243902	22	RP1-63G5.5	37735624	rs739190	22	37758272	C	T	0.962227	0.0223816	0.0210578	0.287843	-0.993549	0.160279	5.69E-10	-0.0225269	0.0215038	0.2948332	0.8294761	4	0.80346119
ENSG00000184949	22	FAM227A	38974125	rs1043312	22	39131727	G	T	0.364811	-0.0040684	0.0084251	0.629174	0.576916	0.0880695	5.73E-11	-0.007052	0.0146433	0.6301025	0.8853476	20	0.93028115
ENSG00000235209	22	CTA-150C2.13	39317232	rs6001315	22	39304924	G	A	0.630219	0.0146383	0.00839842	0.0813373	0.801002	0.105308	2.82E-14	0.018275	0.0107567	0.08932908	0.6852937	3	0.64379887
ENSG00000239713	22	APOBEC3G	39436924	rs6519166	22	39472177	A	C	0.635189	0.00090712	0.00815957	0.911479	-0.480881	0.0641017	6.29E-14	-0.0018864	0.0169698	0.9114888	0.8954219	13	0.97987891
ENSG00000100413	22	POLR3H	41921808	rs11554327	22	41940371	G	T	0.217694	0.0223299	0.00939808	0.0175009	0.390884	0.0661905	3.52E-09	0.0571267	0.0259162	0.0275045	0.5054572	12	0.47888085
ENSG00000172346	22	CSDC2	41956767	rs17367716	22	41913844	G	A	0.214712	0.0216841	0.00950815	0.0225736	0.651599	0.0914975	1.07E-12	0.0332783	0.015322	0.02986101	0.5049986	14	0.48690721
ENSG00000167077	22	MEI1	42095503	rs4822027	22	41786227	A	G	0.225646	0.0215259	0.00947166	0.0230468	0.647042	0.110654	4.99E-09	0.0332682	0.0157052	0.03414999	0.2689687	20	0.49917972
ENSG00000100162	22	CENPM	42334725	rs73165147	22	42336237	G	A	0.115308	0.00784364	0.0130599	0.548113	0.875104	0.153349	1.15E-08	0.00896309	0.0150062	0.5503133	0.3498962	10	0.90707447
ENSG00000183066	22	WBP2NL	42394729	rs133335	22	42416056	G	A	0.479125	0.00635038	0.00804776	0.430061	0.647925	0.0862084	5.66E-14	0.0098011	0.0124891	0.4325865	0.01237328	20	0.8760777
ENSG00000198951	22	NAGA	42454358	rs6002609	22	42496829	A	C	0.331014	0.00372069	0.00830115	0.653999	-0.36852	0.0571467	1.13E-10	-0.0100963	0.02258	0.6547775	0.3360342	20	0.93515218
ENSG00000183172	22	SMDT1	42475695	rs6002631	22	42519258	G	A	0.472167	0.00239359	0.00829096	0.772812	-0.241458	0.0436792	3.24E-08	-0.0099131	0.0343839	0.7731126	0.2568914	20	0.94953271
ENSG00000100197	22	CYP2D6	42522501	rs2743451	22	42534682	T	C	0.531809	-0.0072824	0.00808875	0.367954	0.713427	0.0797619	3.74E-19	-0.0102076	0.0113952	0.3703666	0.1680676	20	0.84538623
ENSG00000227370	22	RP4-669P10.19	42528550	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	0.761535	0.103409	1.78E-13	-0.0268571	0.0167468	0.1087771	0.1294862	20	0.64481993
ENSG00000205702	22	CYP2D7P1	42536214	rs28515621	22	42534126	G	T	0.337972	0.00256672	0.0083714	0.759144	-0.471307	0.0741454	2.06E-10	-0.005446	0.0177827	0.7594145	0.2400388	20	0.94873228
ENSG00000189306	22	RRP7A	42905974	rs136980	22	42943481	A	G	0.154076	0.00772185	0.0112081	0.490851	0.865342	0.120747	7.69E-13	0.00892347	0.0130119	0.4928449	0.8604934	20	0.88426028
ENSG00000182841	22	RRP7B	42951229	rs137133	22	43021607	T	C	0.0884692	-0.0005478	0.0146201	0.970109	-0.608589	0.0958802	2.19E-10	0.00090017	0.0240234	0.9701098	0.6508918	20	0.99493047
ENSG00000159307	22	SCUBE1	43593289	rs2007836	22	43693733	C	T	0.822068	-0.0088793	0.00984306	0.367011	-0.709783	0.118151	1.89E-09	0.0125099	0.0140232	0.372347	0.1224071	4	0.84538623
ENSG00000093000	22	NUP50	45559722	rs132887	22	45570105	C	G	0.687873	-0.0148808	0.00859244	0.083301	0.35586	0.0572522	5.11E-10	-0.0418164	0.0250653	0.09525601	0.4777658	6	0.64481993
ENSG00000100373	22	UPK3A	45680863	rs2673088	22	45683246	T	C	0.73161	0.00334794	0.0091134	0.713347	-0.659463	0.119623	3.53E-08	-0.0050768	0.0138501	0.7139535	0.2367911	3	0.94727701
ENSG00000100376	22	FAM118A	45704849	rs3747240	22	45740224	A	G	0.865805	0.0127512	0.0105659	0.227499	-1.44042	0.140595	1.24E-24	-0.0088524	0.00738601	0.2307072	0.5897668	17	0.73598765
ENSG00000128408	22	RIBC2	45809572	rs136578	22	45770619	T	C	0.505964	-0.0053748	0.00806782	0.505281	-0.590426	0.0989631	2.43E-09	0.00910329	0.0137493	0.5079137	0.1702845	11	0.88426028
ENSG00000075234	22	TTC38	46663858	rs6008534	22	46685249	A	G	0.0248509	-0.0228727	0.0296319	0.440177	0.738946	0.0932817	2.34E-15	-0.0309531	0.0402901	0.4423352	0.5009935	7	0.8760777
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.915635	0.0856261	1.09E-26	0.00244402	0.00928112	0.7922944	0.8791873	20	0.95044568
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.63643	0.202982	7.51E-16	0.0307857	0.0162649	0.05838815	0.00522972	16	0.5969465
ENSG00000100429	22	HDAC10	50683612	rs13058062	22	50684296	C	T	0.735586	0.00076408	0.0093756	0.935047	-0.583158	0.0740549	3.42E-15	-0.0013102	0.0160782	0.9350505	0.8322707	6	0.99029499
ENSG00000188130	22	MAPK12	50683879	rs5771285	22	50695908	T	G	0.701789	0.00213251	0.00897267	0.812139	-0.731364	0.0785866	1.32E-20	-0.0029158	0.0122724	0.8121993	0.982193	5	0.95331821
ENSG00000217442	22	SYCE3	50989541	rs78789402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.25793	0.151641	1.08E-16	0.00279051	0.012203	0.8191222	0.7644503	10	0.95515845
ENSG00000100288	22	CHKB	51017378	rs86337	22	51020668	A	C	0.569583	0.00626675	0.0083578	0.45337	0.427594	0.0656913	7.56E-11	0.0146558	0.0196754	0.4563426	0.9117704	9	0.87926167
ENSG00000100299	22	ARSA	51061182	rs11912237	22	51060049	A	G	0.0884692	-0.0145717	0.0185515	0.432177	-0.838717	0.128935	7.77E-11	0.0173738	0.0222796	0.4355036	0.9793494	8	0.8760777
ENSG00000184319	22	AC002055.4	51195376	rs34726907	22	51213613	T	C	0.141153	0.00918361	0.0115017	0.424607	-0.655506	0.0969119	1.34E-11	-0.01401	0.0176681	0.4278064	0.02517694	17	0.8760777
ENSG00000205664	23	RP11-706O15.1	3735569	rs6655837	23	3747314	A	G	0.18799	0.0114228	0.00976392	0.242041	-0.557289	0.0758849	2.07E-13	-0.0204971	0.0177413	0.2479548	0.9483695	10	0.75847259
ENSG00000205663	23	RP11-706O15.5	3809479	rs6608343	23	3868488	G	A	0.313316	-0.0057109	0.00773376	0.460248	0.447532	0.0786254	1.26E-08	-0.0127609	0.0174257	0.4639842	0.7218079	3	0.88426028
ENSG00000182583	23	VCX	7810303	rs2529876	23	7810800	T	C	0.64752	-0.0100402	0.00725075	0.166141	-0.552777	0.0769268	6.68E-13	0.0181632	0.0133583	0.173926	0.703249	3	0.686312
ENSG00000046647	23	GEMIN8	14026398	rs7052208	23	14053652	C	T	0.300261	0.00273081	0.00785807	0.728204	-0.466709	0.0544835	1.07E-17	-0.0058512	0.016851	0.7284178	0.627214	15	0.94727701
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.409809	0.0510877	1.04E-15	-0.0222414	0.0186394	0.2327726	0.04035898	20	0.73936462
ENSG00000087842	23	PIR	15402921	rs2271550	23	15511412	C	A	0.648825	0.0196323	0.00760092	0.00979783	0.323954	0.0424247	2.24E-14	0.0606021	0.0247689	0.01441687	0.1253431	20	0.44186828
ENSG00000130234	23	ACE2	15579156	rs4830983	23	15701060	C	A	0.532637	-0.0008108	0.00704962	0.908436	0.48499	0.0837677	7.05E-09	-0.0016718	0.0145385	0.908454	0.3734144	5	0.97987891
ENSG00000147003	23	TMEM27	15645441	rs1996225	23	15711209	T	C	0.447781	-0.0009078	0.00705264	0.897582	0.592107	0.0717672	1.58E-16	-0.0015332	0.0119125	0.8975938	0.5028577	14	0.97987891
ENSG00000169249	23	ZRSR2	15808595	rs5936064	23	15843363	A	G	0.729765	-0.0109115	0.00802568	0.173965	-0.548153	0.0564018	2.51E-22	0.0199059	0.0147839	0.1781535	0.3726815	5	0.69192294
ENSG00000012174	23	MBTPS2	21857754	rs4023931	23	21942691	T	C	0.17624	0.00220912	0.0092843	0.811927	-0.390867	0.0685496	1.18E-08	-0.0056519	0.0237738	0.812087	0.370196	8	0.95331821
ENSG00000183690	23	EFHC2	44007128	rs2167383	23	44194620	C	T	0.398172	0.00149802	0.00710544	0.833022	-0.360424	0.060203	2.14E-09	-0.0041563	0.0197263	0.833124	0.7076097	5	0.95954475
ENSG00000147119	23	CHST7	46433219	rs6611279	23	46475904	T	C	0.519582	-0.0063663	0.00704031	0.365855	-0.278961	0.0408718	8.78E-12	0.0228215	0.0254581	0.3700227	0.02028589	6	0.84538623
ENSG00000188459	23	WASF4P	47657325	rs5906474	23	47666317	A	C	0.543081	0.0116907	0.00705483	0.0974945	0.525206	0.0753129	3.09E-12	0.0222593	0.0138065	0.1069126	0.7757715	10	0.64481993
ENSG00000231831	23	MTHFD1P1	57419079	rs58455533	23	57442144	A	G	0.280679	0.00078437	0.0093614	0.933225	0.617346	0.0884564	2.97E-12	0.00127056	0.015165	0.9332297	0.1625978	15	0.98992591
ENSG00000215162	23	LINC00269	68399400	rs6624391	23	68427473	C	T	0.313316	-0.0066514	0.0074666	0.373028	0.622818	0.0684086	8.68E-20	-0.0106795	0.0120457	0.3753036	0.1650824	14	0.84916743
ENSG00000231963	23	RP11-493K23.4	72300006	rs5958815	23	71899494	G	C	0.163185	-0.0138187	0.010025	0.168072	-0.599291	0.108006	2.88E-08	0.0230584	0.0172366	0.1809738	0.6380175	12	0.69422261
ENSG00000187325	23	TAF9B	77385245	rs5959990	23	77519479	T	C	0.795039	0.00063274	0.00866855	0.941812	0.291235	0.0396732	2.12E-13	0.00217261	0.0297663	0.9418149	0.4306907	19	0.99087277
ENSG00000184788	23	SATL1	84347293	rs200808598	23	84577053	T	C	0.139687	-0.0052636	0.00948454	0.578915	-0.586039	0.0877412	2.40E-11	0.00898171	0.0162399	0.5802199	0.1996833	8	0.91214319
ENSG00000102362	23	SYTL4	99929488	rs2858178	23	99983920	A	G	0.531332	0.00050974	0.00708671	0.942658	0.436393	0.0472962	2.79E-20	0.00116808	0.0162398	0.94266	0.4014164	11	0.99087277
ENSG00000231728	23	LL0XNC01-116E7.	103172005	rs6616499	23	103174786	A	G	0.325065	-0.0040194	0.00730146	0.581983	-0.480927	0.0871521	3.42E-08	0.00835759	0.0152574	0.5838482	0.687793	4	0.91214319
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.387138	0.0503177	1.43E-14	-0.0337761	0.0208387	0.1050531	0.5348974	14	0.64481993
ENSG00000018610	23	CXorf56	118672112	rs56673943	23	118637237	G	A	0.0417755	0.00592615	0.019648	0.762945	-0.637774	0.0828473	1.38E-14	-0.0092919	0.0308308	0.7631212	0.9692189	20	0.94873228
ENSG00000169551	23	CXorf48	134290461	rs12844065	23	134215148	A	T	0.408616	0.00421556	0.00727218	0.562128	-0.574187	0.0708943	5.53E-16	-0.0073418	0.0126976	0.5631264	0.3131148	11	0.91214319
ENSG00000203930	23	LINC00632	139791932	rs4824956	23	139854825	G	A	0.139687	0.0130813	0.0106195	0.218019	-0.548912	0.0801984	7.68E-12	-0.0238313	0.0196573	0.2253819	0.3056312	4	0.73598765
ENSG00000238039	23	AF011889.2	148593039	rs11797408	23	148626523	G	A	0.694517	0.0061248	0.00725816	0.398753	-0.699902	0.0803076	2.90E-18	-0.0087509	0.0104187	0.400952	0.8629648	16	0.86836256
ENSG00000171116	23	HSFX1	148855726	rs11797152	23	148722435	A	C	0.750653	0.00183224	0.00772206	0.812445	0.681903	0.0812464	4.74E-17	0.00268695	0.0113288	0.8125181	0.4863426	14	0.95331821
ENSG00000225110	23	LL0XNC01-16G2.1	152583141	rs10183	23	152583276	A	G	0.532637	-0.0004651	0.00708097	0.947633	-0.301364	0.0470237	1.47E-10	0.00154324	0.0234976	0.9476356	0.9690406	6	0.99296872
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.41546	0.223844	2.56E-10	-0.0095194	0.0147783	0.5194814	0.3293948	6	0.88902293
ENSG00000213391	23	RP11-66N11.6	152871972	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.22185	0.200446	1.09E-09	-0.0110278	0.0171268	0.5196463	0.319247	5	0.88902293

ENSG00000184343	23	SRPK3	153041867	rs1981439	23	153047809	G	A	0.834204	-0.0070765	0.00892488	0.427842	0.384268	0.0687641	2.29E-08	-0.0184154	0.0234583	0.4324374	0.2405421	5	0.8760777
ENSG00000177854	23	TMEM187	153237778	rs6643807	23	153243159	C	G	0.190601	0.0108673	0.00930178	0.242684	-0.405722	0.0710187	1.11E-08	-0.0267851	0.023401	0.2523692	0.04963417	12	0.76442105
ENSG00000147403	23	RPL10	153618315	rs2070821	23	153627297	C	T	0.0809399	0.00691785	0.00985292	0.48261	-0.260792	0.0414307	3.08E-10	-0.0265263	0.0380151	0.485312	0.8296835	6	0.88426028
ENSG00000130827	23	PLXNA3	153686621	rs2239470	23	153598413	C	T	0.197128	-0.0098336	0.00825642	0.233643	-0.449891	0.0506933	7.01E-19	0.0218578	0.0185166	0.2378231	0.105078	20	0.74598565

Table S2. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in cortex

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000225880	1	LINC00115	761586	rs3115850	1	761147	C	T	0.838966	-0.0077542	0.0101849	0.446454	-0.642303	0.105454	1.12E-09	0.0120724	0.0159802	0.4499737	0.8965148	6	0.86418667
ENSG00000272512	1	RP11-54O7.17	931346	rs2799060	1	931362	A	G	0.360835	-0.0060207	0.00818077	0.461758	-0.735181	0.073387	1.27E-23	0.0081894	0.0111575	0.4629619	0.53067	20	0.86418667
ENSG00000217801	1	RP11-465B22.3	995114	rs3813194	1	998582	C	G	0.555666	0.00807617	0.00806235	0.316482	-0.393648	0.0719765	4.52E-08	-0.0205162	0.0208218	0.3244653	0.2875894	8	0.82235928
ENSG00000131591	1	C1orf159	1017198	rs6604966	1	1033670	C	T	0.166998	-0.0046407	0.00996291	0.641362	-0.598258	0.0623551	8.44E-22	0.007757	0.0166728	0.6417534	0.5884875	14	0.92308109
ENSG00000186827	1	TNFRSF4	1146706	rs143675225	1	1185331	A	G	0.0119284	0.015239	0.023267	0.512492	2.03676	0.328259	5.48E-10	0.00748198	0.011487	0.514825	0.8841281	4	0.87880989
ENSG00000162572	1	SCNN1D	1215816	rs112631554	1	1200192	G	C	0.0318091	0.0260603	0.0181425	0.150882	0.70394	0.10907	1.09E-10	0.0370206	0.0264034	0.1608806	0.7833825	9	0.68549033
ENSG00000162576	1	MXRA8	1288069	rs35744813	1	1265460	C	T	0.920477	-0.0015179	0.012187	0.900878	0.729126	0.112295	8.42E-11	-0.0020819	0.0167176	0.9008954	0.5454512	8	0.98658093
ENSG00000235098	1	ANKRD65	1353800	rs3766165	1	1354594	G	A	0.0924453	-0.0096122	0.0114549	0.401396	-1.38102	0.116972	3.62E-32	0.00696019	0.00831545	0.4025817	0.6366567	20	0.85364306
ENSG00000215915	1	ATAD3C	1385069	rs1695873	1	1391304	C	T	0.187873	-0.012743	0.00926022	0.16879	-0.851024	0.0756601	2.37E-29	0.0149737	0.0109624	0.171965	0.8725393	20	0.6962068
ENSG00000160072	1	ATAD3B	1407143	rs116603779	1	1469861	T	C	0.0129225	0.0267729	0.0432999	0.536369	-1.87879	0.256551	2.42E-13	-0.0142501	0.0231287	0.5378146	0.9857535	9	0.88612583
ENSG00000197785	1	ATAD3A	1447531	rs3128343	1	1469599	C	G	0.431412	-0.0048651	0.00838442	0.561746	-0.35517	0.0617407	8.79E-09	0.0136978	0.0237266	0.5637229	0.03567432	9	0.89562809
ENSG00000272106	1	RP11-345P4.9	1549138	rs4648611	1	1550702	G	A	0.706759	0.00023827	0.00908885	0.979085	-0.548943	0.0638444	8.10E-18	-0.0004341	0.0165571	0.9790852	0.04506845	20	0.99550269
ENSG00000189339	1	SLC35E2B	1592939	rs79113395	1	1590521	A	G	0.256461	0.00473859	0.00961137	0.621998	-0.983222	0.0674687	4.17E-48	-0.0048195	0.00978097	0.6221982	0.2780472	20	0.91443861
ENSG00000269737	1	RP11-345P4.7	1603429	rs28678861	1	1606287	C	G	0.964215	0.059421	0.0198663	0.00278023	-1.82395	0.250251	3.13E-13	-0.0325782	0.0117734	0.00565572	0.9483897	12	0.30017552
ENSG00000215914	1	MMP23A	1631369	rs17162876	1	1638005	C	G	0.593439	-0.0052409	0.00843636	0.534449	0.60984	0.092846	5.09E-11	-0.0085939	0.0138955	0.5362664	0.5538354	16	0.88585906
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.80813	0.212526	1.77E-17	-0.0073524	0.0171272	0.6677183	0.2530377	4	0.93253494
ENSG00000227775	1	RP1-283E3.4	1655951	rs12725286	1	1599547	T	C	0.684891	0.00395801	0.00910204	0.663673	-0.761913	0.0650362	1.07E-31	-0.0051948	0.0119545	0.6638895	0.7491667	20	0.93125308
ENSG00000215790	1	SLC35E2	1656277	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.11396	0.152165	2.47E-13	-0.0119341	0.0278125	0.6678576	0.1215648	3	0.93253494
ENSG00000008130	1	NADK	1682671	rs2072928	1	1685213	G	C	0.907555	-0.0039909	0.013062	0.759959	-0.64155	0.108928	3.87E-09	0.00622067	0.0203874	0.7602728	0.300289	10	0.9549947
ENSG00000231050	1	RP1-140A9.1	1822910	rs33976483	1	1813237	T	C	0.203777	-0.0010525	0.0108991	0.923072	-1.12718	0.112197	9.52E-24	0.00093372	0.0096698	0.9230755	0.5463732	20	0.99163775
ENSG00000142609	1	C1orf222	1853396	rs58087899	1	1863026	G	A	0.533797	0.0140823	0.00808203	0.0814348	0.506629	0.0604046	4.98E-17	0.0277961	0.0162932	0.08800884	0.7982195	20	0.64770357
ENSG00000233542	1	RP11-547D24.1	1944652	rs72911372	1	1950551	A	G	0.177932	0.00259282	0.0110102	0.813827	0.786727	0.0888076	8.09E-19	0.0032957	0.0139999	0.813891	0.6616775	7	0.97158562
ENSG00000162585	1	C1orf86	2115903	rs2503701	1	2121118	T	C	0.60835	-0.0103917	0.00836139	0.213935	-0.343874	0.046757	1.92E-13	0.0302195	0.02466	0.2204075	0.7534955	6	0.74274316
ENSG00000116151	1	MORN1	2252692	rs7546224	1	2299912	C	T	0.352883	-0.0015314	0.0083782	0.854971	-0.341734	0.0600407	1.26E-08	0.00448118	0.0245294	0.8550443	0.7423051	6	0.98502986
ENSG00000269896	1	RP4-740C4.6	2281853	rs7546224	1	2299912	C	T	0.352883	-0.0015314	0.0083782	0.854971	-0.358425	0.0517422	4.29E-12	0.0042725	0.0233832	0.8550203	0.7397599	10	0.98502986
ENSG00000272420	1	RP4-740C4.7	2294500	rs7539099	1	2296097	T	A	0.506958	-0.0015343	0.00835039	0.854218	0.481158	0.064735	1.06E-13	-0.0031888	0.0173601	0.8542615	0.8710157	18	0.98502986
ENSG00000229393	1	RP3-395M20.3	2424876	rs2477702	1	2424894	C	T	0.224652	0.00850229	0.00942516	0.367012	0.391424	0.0606748	1.11E-10	0.0217214	0.0243134	0.3716471	0.8467363	7	0.84120244
ENSG00000157870	1	FAM213B	2517930	rs368077828	1	2716569	G	C	0.0198807	-0.0168076	0.0328531	0.608932	-0.801489	0.123965	1.01E-10	0.0209705	0.0411182	0.6100483	0.1320144	4	0.90684164
ENSG00000169598	1	DFFB	3773845	rs12071660	1	3796542	A	G	0.514911	-0.0031751	0.00805876	0.693585	0.500867	0.0527635	2.25E-21	-0.0063392	0.0161035	0.693836	0.6112602	20	0.94063022
ENSG00000198912	1	C1orf174	3805689	rs6701422	1	3808171	C	T	0.737575	-0.0050929	0.00933911	0.585524	0.71504	0.0854549	5.89E-17	-0.0071226	0.0130887	0.5863183	0.1306205	11	0.90003566
ENSG00000131697	1	NPHP4	5922871	rs12742075	1	5989503	G	A	0.16004	-0.0156164	0.0115708	0.177132	-0.580796	0.063348	4.80E-20	0.0268879	0.020137	0.1817949	0.01692447	20	0.69774631
ENSG00000116237	1	ICMT	6281253	rs2294711	1	6272813	T	C	0.0387674	-0.0388426	0.0300872	0.196703	-0.61231	0.0825013	1.16E-13	0.0634362	0.049875	0.2034079	0.1507562	9	0.72676285
ENSG00000158292	1	GPR153	6307406	rs112739387	1	6387848	T	G	0.0159046	0.0847362	0.0354803	0.0169282	0.680756	0.118967	1.05E-08	0.124474	0.0564762	0.02752424	0.07207691	3	0.43604346
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.646798	0.0652277	3.55E-23	0.00317956	0.0124793	0.7988878	0.08665726	16	0.965513
ENSG00000238290	1	RP11-431K24.1	8086798	rs11577776	1	8094641	A	G	0.421471	0.00229403	0.00854176	0.788263	0.673086	0.0943179	9.58E-13	0.00340823	0.0126994	0.7884096	0.2859971	13	0.96301985
ENSG00000142599	1	RERE	8412457	rs2708633	1	8439625	A	C	0.688867	0.0316898	0.00836458	0.00015152	-0.326906	0.05157	2.31E-10	-0.0969386	0.0298086	0.00114583	0.3184427	4	0.19443108
ENSG00000171608	1	PIK3CD	9711790	rs4240910	1	9750457	C	T	0.483101	0.00493458	0.0080887	0.541822	0.376927	0.0556444	1.25E-11	0.0130916	0.0215464	0.5434532	0.8860978	5	0.88612583
ENSG00000177000	1	MTHFR	11845780	rs1476413	1	11852300	T	C	0.280318	-0.003727	0.008916	0.675941	0.490322	0.0667404	2.03E-13	-0.0076011	0.0182134	0.6764348	0.0934229	13	0.93372697
ENSG00000242349	1	NPPA-AS1	11901074	rs198369	1	11906960	C	T	0.409543	-0.0012352	0.0083942	0.883014	-0.653384	0.0916097	9.87E-13	0.00189047	0.01285	0.883039	0.7189491	20	0.98658093
ENSG00000083444	1	PLOD1	11994262	rs41307745	1	12016957	G	T	0.0606362	0.00408413	0.0151728	0.787796	0.5673	0.0784318	4.72E-13	0.00719924	0.0267642	0.7879387	0.5785608	16	0.96301985
ENSG00000162493	1	PDPN	13909960	rs355025	1	13910417	T	C	0.329026	-0.0058339	0.00831985	0.483178	-0.396408	0.0667733	2.91E-09	0.0147169	0.021134	0.4862037	0.9339982	10	0.86806745
ENSG00000175147	1	TMEM51-AS1	15442448	rs72640774	1	15472304	C	T	0.182903	0.00384164	0.0111429	0.730276	-0.680741	0.118331	8.78E-09	-0.0056433	0.0163981	0.7307381	0.7178934	4	0.94945828
ENSG00000228140	1	RP3-467K16.4	15729475	rs2092324	1	15733394	A	G	0.704771	-0.0068303	0.00823923	0.407108	-0.67642	0.0836821	6.31E-16	0.0100976	0.0122445	0.4095614	0.8884401	3	0.86143571
ENSG00000116771	1	AGMAT	15898848	rs45619934	1	15911947	T	G	0.295229	0.00656988	0.0084527	0.437011	0.299592	0.0453498	3.94E-11	0.0219294	0.0284086	0.4401571	0.6923342	6	0.86418667
ENSG00000162461	1	SLC25A34	16062900	rs11577746	1	16061586	G	A	0.21173	-0.0043913	0.010149	0.665243	-0.781922	0.0768038	2.42E-24	0.00561607	0.0129913	0.6655265	0.1275555	19	0.93231526
ENSG00000186510	1	CLCNKA	16345370	rs1739813	1	16311563	A	G	0.583499	0.0144935	0.00806521	0.0723303	-0.790589	0.0785486	7.89E-24	-0.0183325	0.0103628	0.07688328	0.5657519	20	0.61409544
ENSG00000232456	1	RP11-5P18.10	16361673	rs9442196	1	16382602	G	A	0.791252	0.00707967	0.0088009	0.421151	0.957737	0.103556	2.28E-20	0.00739208	0.00922396	0.4229001	0.2580543	20	0.86418667
ENSG00000185519	1	FAM131C	16384264	rs12691553	1	16382505	C	T	0.44334	0.00897169	0.00806222	0.265791	-0.43995	0.0581454	3.84E-14	-0.0203925	0.0185224	0.2709128	0.5153218	19	0.7847731
ENSG00000142632	1	ARHGEF19	16524349	rs221063	1	16537289	G	T	0.742545	0.00873467	0.00953619	0.359693	-0.557983	0.0713501	5.27E-15	-0.015654	0.0172073	0.3629643	0.1670968	9	0.840274
ENSG00000132881	1	RSG1	16558195	rs12058596	1	16549532	C	T	0.702783	-0.0011044	0.0100101	0.912147	-0.343012	0.0496399	4.85E-12	0.00321977	0.0291867	0.9121584	0.5078116	8	0.98821764
ENSG00000037637	1	FBXO42	16573334	rs4661736	1	16645277	C	T	0.333996	-0.0205585	0.00859155	0.0167171	-0.361161	0.0564446	1.57E-10	0.0569234	0.0253978	0.02500838	0.881103	9	0.4293542
ENSG00000215908	1	CROCCP2	16944751	rs156916	1	16850013	C	T	0.61829	0.0085219	0.00846185	0.313888	-0.623362	0.0795432	4.62E-15	-0.0136709	0.0136862	0.3178517	0.961936	13	0.81665079
ENSG00000186301	1	MST1P2	16972069	rs76074825	1	17284498	C	T	0.525845	-0.0053509	0.00810043	0.508885	0.456036	0.0783181	5.78E-09	-0.0117336	0.0178766	0.5115903	0.5607133	7	0.8770919
ENSG00000058453	1	CROCC	17066768	rs2235933	1	17301448	T	C	0.2833	0.0175504	0.00849761	0.038892	0.365677	0.0523717	2.90E-12	0.0479943	0.0242333	0.0476464	0.1633173	20	0.53621652
ENSG00000186715	1	MST1L	17081405	rs1985272	1	17188391	C	T	0.465209	0.00134508	0.0084758	0.873908	-0.582405	0.0908603	1.46E-10	-0.0023095	0.0145576	0.8739463	0.2665011	16	0.98658093
ENSG00000228549	1	U1	17197440	rs1985272	1	17188391	C	T	0.465209	0.00134508	0.0084758	0.873908	0.506364	0.0797966	2.21E-10	0.00265635	0.0167438	0.8739471	0.1494021	4	0.98658093
ENSG00000159339	1	PADI4	17634690	rs6683037	1	17673259	T	C	0.390656	-0.0034172	0.00827993	0.679823	1.00911	0.069196	3.58E-48	-0.0033863	0.00820847	0.6799437	0.3704269	20	0.93372697
ENSG00000261781	1	RP11-174G17.2	18392151	rs9659407	1	18387310	A	G	0.256461	0.00710249	0.00958656	0.458767	0.552169	0.101128	4.76E-08	0.0128629	0.0175207	0.4628559	0.3260821	6	0.86418667
ENSG00000159423	1	ALDH4A1	19197926	rs17492693	1	19238529	C	T	0.0387674	0.0515468	0.0235094	0.0283361	0.80382	0.0922986	3.07E-18	0.0641273	0.0301598	0.03348229	0.2964431	8	0.45862237
ENSG00000272084	1	RP5-1126H10.2	19398604	rs78695089	1	19402242	A	C	0.101392	0.0228172	0.0166214	0.169826	0.591864	0.105096	1.78E-08	0.0385514	0.0289054	0.1822992	0.6472705	5	0.69774631
ENSG00000127463	1	EMC1	19542158	rs10799717	1	19498296	G	A	0.429423	-0.0200842	0.00819341	0.0142357	-0.515733	0.0557133	2.10E-20	0.038943	0.0164345	0.01780776	0.5627522	20	0.38559462
ENSG00000053372	1	MRTO4	19578033	rs1063984	1	19586294	G	A	0.22664	0.00577894	0.0107689	0.591522	-0.356367	0.041461	8.31E-18	-0.0162163	0.0302774	0.5922423	0.6005489	13	0.90174025
ENSG00000158747	1	NBL1	19967048	rs115614639	1	19971135	A	C	0.245527	0.0194592	0.00968952	0.0446149	-0.39704	0.0562693	1.71E-12	-0.0490107	0.0253736	0.05341364	0.5686339	11	0.55272789
ENSG00000169914	1	OTUD3	20209006	rs10492999	1	20237760	G	A	0.05666	0.015587	0.0132551	0.239624	0.922499	0.100396	3.98E-20	0.0168965	0.0144859	0.243448	0.702362	7	0.7608101
ENSG00000127472	1	PLA2G5	20354672	rs668630	1	20396674	A	C	0.0984095	-0.0189719	0.0212587	0.372161	-0.559431	0.0833742	1.95E-11	0.0339128	0.0383352	0.376351	0.6559177	9	0.84571736
ENSG00000090432	1	MUL1	20825943	rs529974	1	20826910	A	G	0.357853	-0.0010286	0.00863291	0.90516	-0.556743	0.058363	1.44E-21	0.0018475	0.0155073	0.9051667	0.5774684	20	0.98658093
ENSG00000158825	1	CDA	20915441	rs34918162	1	20935082	C	T	0.204771	0.00217484	0.0116695	0.852155	0.403249	0.0624885	1.10E-10	0.00539329	0.0289508	0.8522158	0.08560803	16	0.98502986
ENSG00000117242	1	PINK1-AS	20969150	rs10799656	1	20971464	T	C	0.267396	0.00698596	0.00868477	0.421171	-0.513119	0.0924038	2.81E-08	-0.0136147	0.0171021	0.4259837	0.04088882	8	0.86418667
ENSG00000117245	1	KIF17	20990507	rs601329	1	21044161	G	A	0.7167	0.00042191	0.00905126	0.962821	0.342719	0.0388774	1.19E-18	0.00123107	0.0264105	0.9628218	0.2334526	17	0.99347767
ENSG00000227001	1	NBPF2P	21751118	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	1.00466	0.10702	6.14E-21	-0.013294	0.00943825	0.1589745	0.4909098	18	0.68549033
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.2487	0.0825346	1.04E-51	0.0106959	0.00754093	0.1560792	0.3682955	20	0.68549033
ENSG00000218510	1	LINC00339	22351681	rs11801382	1	22352108	T	C	0.27833	0.0065088	0.00916258	0.477476	1.2979	0.0936442	1.11E-43	0.00501487	0.00706881	0.4780537	0.1070342	16	0.86418667
ENSG00000070886	1	EPHA8	22890057	rs12754103	1	22847797	A	G	0.39165	-0.0060315	0.00849991	0.477955	0.345323	0.0530472	7.53E-11	-0.0174663	0.0247602	0.4805507	0.1532095	8	0.86450418
ENSG00000179546	1	HTR1D	23516993	rs2746557	1	23524727	C	T	0.418489	-0.0074874	0.00828979	0.366416	-0.510372	0.0744913	7.31E-12	0.0146704	0.0163832	0.3705425	0.9355218	20	0.84066019
ENSG00000204219	1	TCEA3	23707554	rs4649090	1	23781642	T	C	0.671968	-0.0132101	0.00910564	0.146845	0.616573	0.0658367	7.59E-21	-0.021425	0.0149443	0.1516692	0.3512474	20	0.6812384
ENSG00000088280	1	ASAP3	23755056	rs61778890	1	23809597	A	G	0.146123	0.00943734	0.0132092	0.474947	-0.236299	0.0433079	4.86E-08	-0.0399381	0.0563776	0.4786939	0.6736032	6	0.86418667
ENSG00000117305	1	HMGCL	24128375	rs59650706	1	24150112	C	G	0.332008	-0.0143897	0.00823814	0.0806863	0.293625	0.0378226	8.28E-15	-0.0490071	0.0287581	0.0883597	0.02526852	11	0.64901066
ENSG00000001460	1	STPG1	24683489	rs4648985	1	24759930	T	C	0.234592	0.0151443	0.0101201	0.134535	-0.260099	0.0403009	1.09E-10	-0.0582251	0.0399409	0.1449003	0.5031603	6	0.68107362
ENSG00000261349	1	RP3-465N24.5	25592593	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.903672	0.0944137	1.05E-21	0.0335358	0.00999361	0.00079156	0.1236896	11	0.19443108
ENSG00000187010	1	RHD	25598884	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-1.18154	0.0849349	5.42E-44	0.0256491	0.00739185	0.00052063	0.2815331	19	0.19443108
ENSG00000224183	1	SDHDP6	25620655	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.993155	0.101995	2.09E-22	0.0305143	0.00907429	0.00077179	0.3571853	18	0.19443108
ENSG00000183726	1	TMEM50A	25664408	rs9689	1	25688276	G	A	0.552684	-0.013008	0.00805863	0.106491	0.323461	0.0511099	2.47E-10	-0.040215	0.0257113	0.1177947	0.3499056	6	0.66354729
ENSG00000188672	1	RHCE	25688740	rs646867	1	25709258	C	A	0.554672	-0.0126739	0.00805576	0.115655	0.662351	0.0666082	2.68E-23	-0.0191347	0.0123137	0.1201979	0.01499567	11	0.66369299
ENSG00000157978	1	LDLRAP1	25870071	rs11247902	1	25896065	C	T	0.503976	-0.006722	0.008103	0.406783	0.37383	0.040052	1.02E-20	-0.0179814	0.0217611	0.4086278	0.05205362	8	0.86140672
ENSG00000117640	1	MTFR1L	26145131	rs6872	1	26144674	A	G	0.218688	0.0115489	0.0105978	0.275827	-0.346352	0.0577989	2.07E-09	-0.0333444	0.0311002	0.283648	0.8424329	7	0.79294433
ENSG00000197245	1	FAM110D	26485511	rs3806383	1	26484721	T	G	0.313121	0.00527417	0.00841431	0.530784	0.409335	0.0743265	3.64E-08	0.0128847	0.0206888	0.5334233	0.238464	4	0.88585906
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.896105	0.0655667	1.60E-42	0.0159931	0.0110473	0.1477046	0.00776052	20	0.68107362
ENSG00000090273	1	NUDC	27226729	rs11538549	1	27248283	G	C	0.0745527	-0.022109	0.0150518	0.141871	0.623511	0.0875329	1.05E-12	-0.0354589	0.0246483	0.1502658	0.5410637	9	0.68107362
ENSG00000142733	1	MAP3K6	27681675	rs151266984	1	27332637	G	T	0.0228628	0.00104901	0.0238299	0.964888	-0.86942	0.156218	2.61E-08	-0.0012066	0.0274098	0.964889	0.6485283	3	0.99424461
ENSG00000158195	1	WASF2	27730730	rs140091797	1	27811383	A	G	0.028827	0.0302449	0.037189	0.416061	0.484773	0.0725365	2.34E-11	0.0623898	0.0772802	0.4194823	0.8248541	11	0.86418667
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.64807	0.107052	1.77E-53	0.0130123	0.011691	0.2657006	0.8417627	20	0.78056013
ENSG00000158161	1	EYA3	28296855	rs7529792	1	28306250	T	C	0.297217	-0.0175418	0.00858781	0.0410885	0.453965	0.0575116	2.94E-15	-0.0386413	0.0195405	0.0479851	0.7747797	12	0.53621652
ENSG00000130770	1	ATPIF1	28562620	rs482941	1	28560580	C	T	0.286282	-0.0077736	0.00901414	0.388482	-0.318289	0.0423562	5.71E-14	0.024423	0.0285065	0.3915826	0.5864818	13	0.84859336
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.00512	0.0714582	6.16E-45	0.00684806	0.00899141	0.4462856	0.4701606	20	0.86418667
ENSG00000204138	1	PHACTR4	28696114	rs11247771	1	28649402	T	G	0.45825	0.0155568	0.00813438	0.0558149	-0.357233	0.0456639	5.15E-15	-0.043548	0.0234411	0.06320204	0.6399695	20	0.58240816
ENSG00000116353	1	MECR	29519385	rs554820	1	29445403	G	C	0.0854871	-0.0112416	0.0139171	0.419234	0.413506	0.0729621	1.45E-08	-0.0271861	0.0339965	0.4239002	0.7681478	7	0.86418667
ENSG00000084628	1	NKAIN1	31652592	rs11584136	1	31685616	C	G	0.760437	0.00128925	0.00890456	0.88488	0.606601	0.0781779	8.54E-15	0.00212537	0.014682	0.8849002	0.05669785	11	0.98658093
ENSG00000235790	1	RP11-73M7.6	32109650	rs10798887	1	32173811	A	G	0.537773	-0.0002472	0.008081	0.975592	0.36336	0.0557956	7.40E-11	-0.0006804	0.0222399	0.975592	0.7563576	6	0.99550269
ENSG00000084636	1	COL16A1	32117848	rs10798887	1	32173811	A	G	0.537773	-0.0002472	0.008081	0.975592	0.456932	0.0519245	1.37E-18	-0.0005411	0.0176855	0.9755919	0.7816727	13	0.99550269
ENSG00000160055	1	TMEM234	32680073	rs16834916	1	32658447	A	G	0.05666	0.00705171	0.0137253	0.60741	0.464829	0.0815119	1.18E-08	0.0151705	0.0296472	0.6088596	0.9757439	4	0.90650194
ENSG00000230163	1	RP5-997D16.2	35316295	rs56037122	1	35315073	C	G	0.33996	0.0055559	0.009171	0.544639	-0.525214	0.0868885	1.50E-09	-0.0105784	0.0175489	0.5466471	0.9538026	3	0.8868228
ENSG00000214193	1	SH3D21	36771988	rs11576244	1	36758061	T	C	0.420477	-0.0067269	0.00832669	0.419163	-0.424485	0.0413896	1.11E-24	0.0158472	0.0196767	0.4206014	0.09053249	8	0.86418667
ENSG00000142694	1	EVA1B	36787632	rs59814496	1	36798974	A	G	0.374751	-0.0092497	0.00825952	0.262761	-0.355743	0.0543025	5.71E-11	0.0260012	0.0235545	0.2696471	0.3439451	5	0.78302173
ENSG00000116883	1	RP11-268J15.5	36789335	rs12116935	1	36789546	G	A	0.421471	-0.0073506	0.00831824	0.376874	0.464001	0.0587656	2.88E-15	-0.0158417	0.0180391	0.379842	0.5463593	6	0.84640362
ENSG00000181817	1	LSM10	36856839	rs7170	1	36859163	C	T	0.0208748	0.0223473	0.0258524	0.387358	0.847687	0.116465	3.38E-13	0.0263627	0.0307119	0.3906792	0.3553026	6	0.84859336
ENSG00000116885	1	OSCP1	36881428	rs2275477	1	36886117	T	C	0.206759	-0.0086656	0.0105296	0.410522	0.338754	0.0510052	3.10E-11	-0.0255809	0.031321	0.4140823	0.3075617	7	0.86418667
ENSG00000233621	1	RP11-422J8.1	37920480	rs11264060	1	37944506	A	G	0.329026	-0.0196281	0.00818396	0.0164687	-0.729344	0.0743525	1.03E-22	0.026912	0.0115515	0.01982005	0.06217109	20	0.39537444
ENSG00000163879	1	DNALI1	38022520	rs11264069	1	38014478	G	A	0.581511	-0.0102379	0.00881108	0.245265	-0.409372	0.0483286	2.44E-17	0.0250088	0.021725	0.2496685	0.4442864	17	0.76347608
ENSG00000134697	1	GNL2	38032417	rs6687545	1	38071195	T	C	0.531809	-0.0117619	0.00823718	0.153319	-0.388909	0.0610188	1.85E-10	0.0302433	0.0217052	0.1635096	0.5127888	10	0.68549033
ENSG00000116922	1	C1orf109	38147242	rs684260	1	38148765	G	A	0.765408	-0.0041844	0.00953703	0.66084	0.414331	0.0684332	1.41E-09	-0.0100992	0.0230783	0.6616708	0.7847106	4	0.93065748
ENSG00000183317	1	EPHA10	38179552	rs12074120	1	38197401	G	T	0.308151	-0.0035399	0.00928969	0.703163	0.282017	0.0425132	3.28E-11	-0.012552	0.0329945	0.7036288	0.8521137	6	0.94255443
ENSG00000204084	1	INPP5B	38326369	rs4653329	1	38285893	T	G	0.281312	0.00652729	0.00863567	0.449738	0.478352	0.0589319	4.78E-16	0.0136454	0.0181311	0.4516926	0.35288	20	0.86418667
ENSG00000168653	1	NDUFS5	39491990	rs12043492	1	39457006	T	C	0.441352	0.00775152	0.00827549	0.348921	-0.362883	0.0374333	3.19E-22	-0.0213609	0.0229111	0.3511598	0.8522989	12	0.840274
ENSG00000183682	1	BMP8A	39957318	rs1180333	1	40020504	C	T	0.646123	-0.0028001	0.00865592	0.746322	-0.369502	0.0622203	2.87E-09	0.00757815	0.0234606	0.7466836	0.6767234	12	0.95189833
ENSG00000237624	1	OXCT2P1	39980628	rs12410202	1	40001813	T	C	0.144135	-0.0202628	0.0102679	0.0484485	-0.887311	0.110169	8.01E-16	0.0228362	0.0119142	0.05527402	0.1629747	16	0.55810372
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-1.0582	0.138902	2.57E-14	0.00554545	0.0157835	0.7253295	0.3027323	5	0.94540164
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.84628	0.0738567	2.13E-30	-0.00056	0.00987903	0.9547983	0.3783491	19	0.99347767
ENSG00000043514	1	TRIT1	40306723	rs12124681	1	40379981	C	T	0.124254	0.0152937	0.0119681	0.201295	-0.614968	0.0932246	4.21E-11	-0.0248691	0.0198231	0.2096423	0.4057325	8	0.73192759
ENSG00000187815	1	ZFP69	40942887	rs6600339	1	40940020	G	A	0.32505	-0.0047949	0.00877215	0.584649	-0.734748	0.084624	3.87E-18	0.00652594	0.0119626	0.585391	0.5225051	20	0.90003566
ENSG00000238287	1	RP11-656D10.3	40958829	rs11208254	1	40959506	T	G	0.328032	-0.0033593	0.00881244	0.703059	-0.689818	0.0975099	1.50E-12	0.00486976	0.0127936	0.703469	0.4153637	9	0.94255443
ENSG00000066185	1	ZMYND12	42896000	rs16829540	1	42913760	T	C	0.16501	-0.015804	0.0126769	0.212515	-0.474001	0.0751549	2.85E-10	0.0333417	0.0272619	0.2213247	0.5698777	4	0.74274316
ENSG00000164008	1	C1orf50	43232940	rs17385526	1	43238031	G	A	0.253479	0.00401492	0.00844853	0.634629	-0.899678	0.0891802	6.22E-24	-0.0044626	0.00940103	0.6350046	0.5380481	20	0.92056007
ENSG00000228452	1	RP5-994D16.9	43241484	rs323713	1	43279132	T	C	0.281312	0.00451849	0.00834416	0.588153	0.683702	0.101745	1.82E-11	0.00660886	0.0122439	0.5893588	0.5754859	20	0.90020885
ENSG00000177868	1	CCDC23	43272723	rs323719	1	43270928	A	G	0.296223	0.0005948	0.00833467	0.943108	0.810471	0.0774407	1.24E-25	0.0007339	0.010284	0.9431088	0.3109925	20	0.99347767
ENSG00000164010	1	ERMAP	43282795	rs12406279	1	43310639	G	A	0.16501	-0.0001929	0.0113428	0.986428	-0.672022	0.0887204	3.60E-14	0.00028711	0.0168787	0.9864285	0.1378344	3	0.99595203
ENSG00000227533	1	SLC2A1-AS1	43424720	rs841571	1	43435904	C	G	0.425447	-0.0094153	0.00813283	0.24699	0.68323	0.0974715	2.39E-12	-0.0137806	0.0120648	0.2533639	0.4354667	9	0.76664311
ENSG00000243710	1	WDR65	43637820	rs17390635	1	43642216	G	C	0.326044	0.00024223	0.00879441	0.978026	-0.413421	0.0619316	2.46E-11	-0.0005859	0.0212725	0.9780262	0.8940899	13	0.99550269
ENSG00000117407	1	ARTN	44398992	rs12726706	1	44399942	A	G	0.757455	0.00337343	0.00936423	0.718663	-0.461262	0.0842552	4.39E-08	-0.0073135	0.0203452	0.7192443	0.6211525	5	0.94509525
ENSG00000126106	1	TMEM53	45100910	rs1051664	1	45116985	T	C	0.364811	-0.0071844	0.00806112	0.372801	0.363493	0.0644055	1.66E-08	-0.0197648	0.0224516	0.3786807	0.6625002	8	0.84640362
ENSG00000198520	1	C1orf228	45140364	rs7539312	1	45146408	T	C	0.355865	-0.0051002	0.00822014	0.534965	0.361577	0.0564316	1.48E-10	-0.0141053	0.0228405	0.5368674	0.6725249	7	0.88585906
ENSG00000142937	1	RPS8	45240923	rs11573557	1	45302591	G	T	0.147117	0.0124083	0.00986209	0.208328	-0.224776	0.0344705	6.99E-11	-0.055203	0.0446844	0.2166834	0.5368963	15	0.74057669
ENSG00000070785	1	EIF2B3	45316450	rs263966	1	45376737	A	G	0.375746	0.0057004	0.00826162	0.490203	0.255891	0.0381966	2.09E-11	0.0222767	0.0324565	0.4924893	0.5727772	15	0.86806745
ENSG00000085999	1	RAD54L	46713360	rs12738055	1	46701222	A	T	0.318091	0.0131105	0.00956284	0.170379	0.453549	0.0826041	4.00E-08	0.0289065	0.0217318	0.1834704	0.9040575	8	0.69774631
ENSG00000173660	1	UQCRH	46769303	rs41292543	1	46774783	G	A	0.117296	0.00557987	0.015354	0.716295	-0.272564	0.0441768	6.84E-10	-0.0204718	0.0564294	0.7167648	0.243781	6	0.94509525
ENSG00000117480	1	FAAH	46859937	rs2145408	1	46861907	G	A	0.752485	0.0013688	0.00872128	0.875285	0.293278	0.0523069	2.06E-08	0.00466724	0.0297489	0.8753331	0.6843026	5	0.98658093
ENSG00000232022	1	RP5-1109J22.1	46897801	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	-0.608679	0.0617165	6.05E-23	-0.0022426	0.0141787	0.874324	0.6127102	20	0.98658093
ENSG00000079277	1	MKNK1	47023090	rs56869893	1	47082513	C	T	0.266402	0.00738967	0.00935584	0.429618	0.311597	0.0524655	2.87E-09	0.0237155	0.0302898	0.4336552	0.6234337	4	0.86418667
ENSG00000162365	1	CYP4A22	47603107	rs11582907	1	47565477	G	A	0.0735586	0.00543179	0.0161375	0.736422	-0.972341	0.156703	5.47E-10	-0.0055863	0.0166209	0.7367954	0.05250784	14	0.94997803
ENSG00000162366	1	PDZK1IP1	47649265	rs2248907	1	47655816	G	A	0.818091	0.00348568	0.0108468	0.74794	0.787974	0.102476	1.48E-14	0.0044236	0.0137774	0.7481533	0.2888878	9	0.95228755
ENSG00000272491	1	RP5-1024N4.4	48693560	rs3738309	1	48869288	A	T	0.424453	-0.003142	0.00832046	0.70571	0.560048	0.0675715	1.15E-16	-0.0056103	0.0148721	0.7060003	0.372571	20	0.94255443
ENSG00000132122	1	SPATA6	48761044	rs4489605	1	48893849	A	G	0.424453	-0.0032845	0.00832156	0.693067	-0.268229	0.0377563	1.21E-12	0.0122451	0.0310719	0.6935147	0.4103799	17	0.94063022
ENSG00000169213	1	RAB3B	52373628	rs41293271	1	52385081	A	G	0.0198807	0.0192728	0.0304797	0.52718	0.766251	0.112554	9.90E-12	0.0251521	0.0399489	0.5289524	0.9597399	13	0.88585906
ENSG00000134744	1	ZCCHC11	52873954	rs11805462	1	53003821	T	C	0.0506958	-0.0073924	0.0173094	0.669328	0.663567	0.0767973	5.60E-18	-0.0111403	0.0261172	0.6697066	0.6508058	20	0.93280877
ENSG00000162377	1	SELRC1	53152508	rs269306	1	53142284	A	G	0.363817	0.00657635	0.00848305	0.438201	-0.296505	0.033388	6.65E-19	-0.0221796	0.0287189	0.4399385	0.2123725	6	0.86418667
ENSG00000162378	1	ZYG11B	53192126	rs545719	1	53304922	C	T	0.641153	0.00666805	0.0081954	0.415855	-0.165593	0.0221077	6.87E-14	-0.0402677	0.0497823	0.418587	0.3923257	20	0.86418667
ENSG00000162383	1	SLC1A7	53552855	rs11206109	1	53606080	T	C	0.258449	0.0143023	0.00925553	0.122282	0.875766	0.0835757	1.08E-25	0.0163312	0.0106828	0.1263295	0.8690809	20	0.66478242
ENSG00000162384	1	C1orf123	53679771	rs17785370	1	53705174	T	A	0.312127	-0.0121632	0.008351	0.145255	-0.530847	0.0637285	8.10E-17	0.0229128	0.0159701	0.1513644	0.4031265	14	0.68107362
ENSG00000116221	1	MRPL37	54649714	rs11585887	1	54687523	T	A	0.132207	-0.0247749	0.0107522	0.0212129	0.387402	0.0508372	2.53E-14	-0.0639514	0.0289956	0.02741533	0.9942633	3	0.43604346
ENSG00000162407	1	PPAP2B	56960419	rs72664324	1	56972353	A	G	0.117296	-0.010431	0.0128575	0.417205	0.278026	0.0447833	5.36E-10	-0.0375181	0.0466389	0.421144	0.9720122	4	0.86418667

ENSG00000162600	1	OMA1	58881056	rs61779296	1	59043457	A	G	0.28827	-0.0053188	0.0104072	0.609305	0.265532	0.0455075	5.38E-09	-0.0200307	0.0393438	0.6106687	0.1474184	6	0.90704399
ENSG00000088035	1	ALG6	63833261	rs6697508	1	63893394	G	A	0.687873	-0.0159401	0.00857618	0.0630769	0.341135	0.0577333	3.45E-09	-0.0467267	0.0263546	0.07622844	0.3992123	7	0.61408976
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.23358	0.0762006	6.07E-59	0.0131871	0.00698961	0.05920367	0.500162	20	0.56431793
ENSG00000203965	1	EFCAB7	63989043	rs865929	1	64064378	A	G	0.326044	-0.0049308	0.0088461	0.577254	-0.316898	0.0499541	2.24E-10	0.0155596	0.0280222	0.5787168	0.1329034	9	0.89834695
ENSG00000177414	1	UBE2U	64669310	rs705544	1	64728286	G	A	0.65507	0.00520872	0.0088891	0.557898	-0.900934	0.0857348	7.90E-26	-0.0057815	0.00988187	0.5585086	0.6043872	20	0.89128104
ENSG00000162434	1	JAK1	65298912	rs2780885	1	65331372	T	C	0.251491	0.00545624	0.00909602	0.548607	-0.510852	0.0607791	4.28E-17	-0.0106807	0.0178509	0.5496215	0.5672578	18	0.88759986
ENSG00000213625	1	LEPROT	65886270	rs4554758	1	65857403	G	A	0.549702	0.00756208	0.00809461	0.350195	-0.305297	0.0342568	5.01E-19	-0.0247696	0.0266592	0.3528264	0.1638517	15	0.840274
ENSG00000152760	1	TCTEX1D1	67218142	rs6697073	1	67227698	G	A	0.152087	0.0285898	0.0117915	0.0153246	-0.807439	0.100141	7.44E-16	-0.035408	0.0152496	0.02023811	0.7818289	20	0.39720015
ENSG00000197568	1	HHLA3	70820488	rs7536099	1	70821757	G	A	0.261431	0.0037354	0.0107382	0.727944	-0.5766	0.0623259	2.22E-20	-0.0064783	0.0186365	0.7281291	0.603125	11	0.94806104
ENSG00000050628	1	PTGER3	71318036	rs4129005	1	71035970	T	G	0.418489	0.0109785	0.00810105	0.175357	0.649292	0.0747312	3.68E-18	0.0169084	0.0126276	0.1805693	0.6594901	20	0.69774631
ENSG00000269933	1	RP3-333A15.2	71471537	rs4612577	1	71024268	G	T	0.406561	-0.0076665	0.00834039	0.357991	-0.597614	0.0921516	8.87E-11	0.0128285	0.0140956	0.3627684	0.6046533	15	0.840274
ENSG00000162620	1	LRRIQ3	74491699	rs522042	1	74666274	T	C	0.464215	0.00128779	0.00806395	0.87312	-0.768573	0.0887929	4.89E-18	-0.0016756	0.0104939	0.873141	0.8104538	12	0.98658093
ENSG00000116783	1	TNNI3K	74663947	rs34018059	1	74641756	G	C	0.407555	0.00105024	0.0085646	0.902403	0.394956	0.0563392	2.38E-12	0.00265913	0.0216883	0.9024184	0.954891	8	0.98658093
ENSG00000272864	1	RP11-17E13.2	75164453	rs2345436	1	75198740	C	A	0.685885	-0.0011061	0.00851145	0.896607	-0.69582	0.0819619	2.07E-17	0.00158956	0.0122337	0.8966192	0.2280608	19	0.98658093
ENSG00000116791	1	CRYZ	75171170	rs28879157	1	75208034	G	C	0.685885	-0.0032761	0.00855508	0.701761	-0.62556	0.0793987	3.31E-15	0.0052371	0.013692	0.7020958	0.185548	4	0.94255443
ENSG00000162623	1	TYW3	75198836	rs4145871	1	75218704	T	C	0.685885	-0.0032886	0.00855513	0.700679	-0.465704	0.0636826	2.61E-13	0.00706165	0.0183957	0.7010706	0.2166115	12	0.94255443
ENSG00000057468	1	MSH4	76262567	rs1146642	1	76261434	G	A	0.66501	0.00732094	0.00831614	0.378681	0.698124	0.0860904	5.10E-16	0.0104866	0.0119821	0.3814721	0.9595235	20	0.84640362
ENSG00000154027	1	AK5	77747736	rs6603953	1	78006631	G	A	0.727634	0.0153362	0.00895138	0.0866623	-0.155659	0.0274813	1.48E-08	-0.0985243	0.0600794	0.1010258	0.9799433	10	0.65086925
ENSG00000236268	1	RP11-170N11.1	83439565	rs17109483	1	83450553	C	T	0.0685885	-0.0005194	0.0135481	0.96942	0.722503	0.124432	6.38E-09	-0.0007189	0.018752	0.9694203	0.4763211	4	0.99471489
ENSG00000153898	1	MCOLN2	85391268	rs726708	1	85464843	A	T	0.466203	-0.0016392	0.00823896	0.842296	-0.797735	0.0769283	3.40E-25	0.00205482	0.0103298	0.8423249	0.5841891	20	0.98207023
ENSG00000055732	1	MCOLN3	85483765	rs10873683	1	85509283	A	G	0.511928	-0.001115	0.0081261	0.890868	0.512189	0.0819242	4.05E-10	-0.0021768	0.0158693	0.890894	0.6480774	14	0.98658093
ENSG00000122417	1	ODF2L	86814344	rs11810689	1	86839302	C	T	0.318091	0.00332195	0.0085817	0.698684	-0.39533	0.0409734	4.99E-22	-0.008403	0.0217252	0.6989148	0.3368094	20	0.94245315
ENSG00000183291	1	15-Sep	87328132	rs1199666	1	87580590	T	C	0.799205	0.0070923	0.0108965	0.515127	-0.517154	0.0525224	7.11E-23	-0.0137141	0.0211161	0.5160403	0.285096	20	0.87975713
ENSG00000137944	1	CCBL2	89401456	rs4656071	1	89440977	A	G	0.477137	-0.0093642	0.00810133	0.24773	-0.837174	0.0635991	1.43E-39	0.0111855	0.00971423	0.2495467	0.6405648	20	0.76347608
ENSG00000117226	1	GBP3	89472349	rs17433780	1	89474818	G	A	0.32008	0.017391	0.00945541	0.0658764	-0.787364	0.0675367	2.08E-31	-0.0220876	0.0121575	0.06924868	0.3772694	20	0.59485717
ENSG00000197147	1	LRRC8B	89990395	rs75001971	1	90009148	A	G	0.05666	0.0537038	0.0208533	0.010015	0.361531	0.0592322	1.04E-09	0.148545	0.0626047	0.01765605	0.6680899	3	0.38453234
ENSG00000231613	1	RP5-943J3.1	90254473	rs473412	1	90227649	A	G	0.474155	-0.0018057	0.00826774	0.827113	-0.659563	0.093117	1.41E-12	0.00273775	0.0125411	0.827194	0.5143486	7	0.97565136
ENSG00000162669	1	HFM1	91726323	rs282014	1	91857105	A	T	0.925447	0.0252829	0.0132346	0.0560867	-0.726992	0.123334	3.76E-09	-0.0347774	0.0191368	0.06917031	0.3050009	7	0.59485717
ENSG00000097046	1	CDC7	91966408	rs17501937	1	92021705	G	A	0.573559	-0.0091367	0.00809251	0.258885	-0.387144	0.0495769	5.77E-15	0.0236002	0.0211204	0.2638183	0.02694463	20	0.77972167
ENSG00000273487	1	RP4-621B10.8	92654794	rs17578954	1	92766065	G	C	0.0884692	0.0255516	0.0147294	0.0827885	0.748214	0.11991	4.38E-10	0.0341501	0.0204327	0.09465307	0.00241231	20	0.65086925
ENSG00000067208	1	EVI5	92974253	rs4970708	1	92986514	T	G	0.807157	-0.0133787	0.00964303	0.165321	-0.404555	0.0725956	2.51E-08	0.0330702	0.0245637	0.1782058	0.4683682	6	0.69755374
ENSG00000223745	1	RP4-717I23.3	93727743	rs10874774	1	93799002	T	C	0.805169	-0.0013983	0.0109173	0.898083	1.12047	0.0705783	9.36E-57	-0.001248	0.00974382	0.8980859	0.05000721	20	0.98658093
ENSG00000230439	1	RP11-488P3.1	94218480	rs1980083	1	94207992	A	G	0.37674	0.0057744	0.00850483	0.497166	0.795366	0.0948048	4.88E-17	0.00726005	0.0107279	0.4985691	0.3344219	14	0.86872655
ENSG00000223675	1	RP11-86H7.6	95051112	rs1612481	1	95056901	C	G	0.172962	0.00078627	0.0103126	0.939225	-0.566165	0.0986258	9.44E-09	-0.0013888	0.0182164	0.9392307	0.3523123	3	0.99347767
ENSG00000143036	1	SLC44A3	95285898	rs859117	1	95306057	G	T	0.89165	0.0156465	0.0127188	0.218627	0.488006	0.0546731	4.42E-19	0.0320621	0.0263092	0.2229706	0.2484792	4	0.74274316
ENSG00000122481	1	RWDD3	95699711	rs77027822	1	95676957	T	C	0.918489	-0.0105899	0.013548	0.434413	-0.832616	0.0842336	4.85E-23	0.0127188	0.0163224	0.4358471	0.7073882	20	0.86418667
ENSG00000228971	1	RP11-286B14.1	95975672	rs877626	1	96011976	T	A	0.850895	0.00065043	0.0106126	0.951129	0.465991	0.0684735	1.01E-11	0.00139581	0.0227752	0.9511312	0.5283074	7	0.99347767
ENSG00000225206	1	MIR137HG	98453556	rs4414075	1	98307452	C	T	0.0785288	-0.0176222	0.0162744	0.27889	0.455282	0.0813536	2.19E-08	-0.0387061	0.0364087	0.2877365	0.9232363	5	0.79641232
ENSG00000117620	1	SLC35A3	100435345	rs534252	1	100472604	G	A	0.147117	0.0061769	0.0123529	0.617048	-0.367807	0.0632486	6.05E-09	-0.0167939	0.0337092	0.6183445	0.5385046	4	0.9133817
ENSG00000122477	1	LRRC39	100614409	rs74769216	1	100662674	G	A	0.0457256	-0.026863	0.0241067	0.265134	1.01148	0.161734	4.00E-10	-0.0265581	0.0242085	0.2726157	0.3292196	9	0.78596916
ENSG00000233184	1	RP11-421L21.3	101491434	rs12754497	1	101571888	A	G	0.233598	-0.0133478	0.0120445	0.267773	0.474539	0.0804924	3.74E-09	-0.0281279	0.025826	0.2760958	0.09752498	6	0.78643683
ENSG00000198890	1	PRMT6	107599267	rs1730864	1	107607810	T	C	0.677932	0.0077036	0.0088392	0.383467	0.390584	0.0641336	1.13E-09	0.0197233	0.0228613	0.3882817	0.05075224	6	0.84859336
ENSG00000134215	1	VAV3	108113782	rs1781057	1	108562220	G	T	0.807157	-0.0134617	0.00939451	0.151878	-0.350234	0.0640859	4.63E-08	0.0384363	0.0277302	0.1657227	0.5067783	7	0.68549033
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-0.568214	0.0626356	1.17E-19	-0.0167252	0.0167048	0.3167198	0.5878915	14	0.81665079
ENSG00000179902	1	C1orf194	109648573	rs112082443	1	109660295	G	A	0.0884692	0.0509557	0.0127384	6.33E-05	-0.793893	0.129387	8.47E-10	-0.0641846	0.0191542	0.00080536	0.6187514	3	0.19443108
ENSG00000181754	1	AMIGO1	110046797	rs1149170	1	110045824	C	A	0.217694	-0.0146628	0.0102221	0.151451	0.204905	0.0299771	8.18E-12	-0.071559	0.0509736	0.1603655	0.02685859	4	0.68549033
ENSG00000168765	1	GSTM4	110198703	rs560018	1	110200360	C	T	0.328032	-0.0066545	0.00882712	0.450925	-0.460823	0.0583319	2.79E-15	0.0144406	0.0192421	0.4529746	0.717285	5	0.86418667
ENSG00000134201	1	GSTM5	110254864	rs4970776	1	110271457	A	T	0.379722	0.00238489	0.00822266	0.771786	-0.854451	0.0803494	2.07E-26	-0.0027911	0.0096269	0.7718691	0.3014352	20	0.95800023
ENSG00000134202	1	GSTM3	110276554	rs1332018	1	110282972	T	G	0.550696	-0.0011931	0.00810532	0.882978	0.723934	0.06545	1.94E-28	-0.001648	0.0111972	0.8829886	0.1765367	16	0.98658093
ENSG00000227963	1	RP5-1074L1.1	110828997	rs652257	1	110846961	A	C	0.545726	0.00184533	0.00813136	0.82047	0.471106	0.0858293	4.05E-08	0.00391702	0.0172749	0.8206211	0.1900122	5	0.97259053
ENSG00000143119	1	CD53	111415775	rs2885805	1	111417915	A	C	0.309145	-0.0054458	0.00889	0.540161	0.609857	0.0697503	2.26E-18	-0.0089296	0.0146129	0.5411516	0.8462011	20	0.88612583
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.721319	0.0585214	6.58E-35	0.006474	0.0119897	0.5892228	0.3063598	20	0.90020885
ENSG00000085465	1	OVGP1	111956936	rs4838910	1	111959983	C	T	0.364811	-0.0052035	0.00833221	0.532297	-0.286847	0.0452781	2.37E-10	0.0181403	0.0291884	0.5342768	0.05399623	13	0.88585906
ENSG00000260948	1	RP11-552M11.8	111973668	rs10857884	1	112012139	G	A	0.400596	0.00471893	0.00811054	0.560684	-0.4754	0.0706489	1.71E-11	-0.0099262	0.0171241	0.5621412	0.04803826	11	0.89490604
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	1.23837	0.0996123	1.75E-35	-0.0001424	0.00790088	0.9856174	0.4894978	13	0.99595203
ENSG00000134245	1	WNT2B	113009163	rs10857967	1	113120593	G	A	0.225646	0.00121771	0.00868644	0.888513	0.865391	0.0940621	3.57E-20	0.00140712	0.0100388	0.8885266	0.7267984	9	0.98658093
ENSG00000273483	1	RP4-671G15.2	113060421	rs902289	1	113236087	T	C	0.511928	0.00999482	0.00824943	0.225675	0.395932	0.051878	2.31E-14	0.0252438	0.0210964	0.2314653	0.7379154	13	0.74724783
ENSG00000007341	1	ST7L	113066140	rs7544663	1	113089006	T	C	0.476143	-0.0050152	0.0081161	0.536618	0.474764	0.0715116	3.16E-11	-0.0105636	0.0171689	0.5383721	0.60651	9	0.88612583
ENSG00000116489	1	CAPZA1	113161795	rs6537745	1	113154080	C	T	0.250497	-0.0078525	0.00941856	0.404438	0.23969	0.042584	1.82E-08	-0.0327609	0.0397235	0.4095284	0.2963531	4	0.86143571
ENSG00000226419	1	RP11-31F15.1	113499037	rs55982206	1	113531458	G	C	0.242545	-0.0040766	0.00887486	0.64599	-0.430121	0.073814	5.64E-09	0.00947775	0.0206974	0.6470102	0.7217121	5	0.92366624
ENSG00000116830	1	TTF2	117602925	rs2274253	1	117603156	T	G	0.0526839	-0.0075429	0.015564	0.627934	1.4033	0.14233	6.24E-23	-0.0053751	0.0111044	0.628349	0.7708792	4	0.91730139
ENSG00000134253	1	TRIM45	117653682	rs10801934	1	117648269	A	G	0.347913	0.00107214	0.00868383	0.90174	0.300934	0.0522788	8.60E-09	0.00356271	0.0288629	0.9017622	0.2356618	11	0.98658093
ENSG00000116874	1	WARS2	119573839	rs2247883	1	119577837	T	A	0.45328	-0.0091362	0.0080563	0.256779	-0.91941	0.0862514	1.57E-26	0.00993697	0.00881191	0.2594574	0.1349751	20	0.7755295
ENSG00000231365	1	RP11-418J17.1	119683019	rs10923750	1	119650795	G	T	0.276342	-0.0112011	0.00933809	0.23033	-0.786171	0.0783539	1.08E-23	0.0142477	0.0119625	0.2336435	0.6528284	20	0.75006123
ENSG00000229570	1	GAPDHP58	120038459	rs911245	1	120024974	C	A	0.620278	0.0112934	0.00911061	0.215127	-0.552189	0.0884704	4.33E-10	-0.0204521	0.0168213	0.2240455	0.9751515	13	0.74274316
ENSG00000143067	1	ZNF697	120162045	rs10802122	1	120154798	T	C	0.150099	0.018553	0.0127105	0.144386	-0.334751	0.0602625	2.78E-08	-0.0554233	0.039259	0.1580283	0.4886398	10	0.68549033
ENSG00000171943	1	SRGAP2C	121107124	rs7536214	1	121147880	T	A	0.60835	-0.0082809	0.0085488	0.332713	-0.285647	0.0493404	7.07E-09	0.02899	0.0303439	0.3393843	0.7838568	11	0.83407955
ENSG00000227082	1	AL592494.5	121138614	rs115781011	1	121180105	T	G	0.0218688	-0.0378124	0.0467162	0.418282	0.817225	0.148483	3.72E-08	-0.0462693	0.0577793	0.4232513	0.5965219	3	0.86418667
ENSG00000223804	1	RP6-206I17.1	143647638	rs12408174	1	144591396	C	T	0.133201	-0.0012853	0.00951391	0.892539	-0.582617	0.0951366	9.13E-10	0.00220599	0.0163336	0.8925654	0.7214417	8	0.98658093
ENSG00000227733	1	RP4-565E6.1	146093234	rs61810038	1	147745914	C	G	0.140159	-0.0120475	0.0104342	0.248248	-0.89715	0.118438	3.59E-14	0.0134286	0.0117647	0.2536899	0.4245249	12	0.76700756
ENSG00000237188	1	RP11-337C18.8	146644350	rs718369	1	146668894	C	T	0.279324	0.00249666	0.00901359	0.78179	0.504739	0.084058	1.92E-09	0.00494644	0.0178769	0.7820149	0.9689292	20	0.96015333
ENSG00000131778	1	CHD1L	146714291	rs10900331	1	146733128	G	C	0.0487078	0.00455182	0.0169341	0.788087	-0.660419	0.109302	1.52E-09	-0.0068923	0.0256668	0.788291	0.9749393	4	0.96301985
ENSG00000162836	1	ACP6	147101453	rs1344	1	147119273	A	G	0.576541	-0.0039214	0.00818002	0.631662	0.731526	0.0542845	2.17E-41	-0.0053606	0.0111892	0.6318776	0.4663921	14	0.91979557
ENSG00000163131	1	CTSS	150702672	rs12410394	1	150860186	A	G	0.368787	-0.0084596	0.00843553	0.315931	0.348721	0.059949	5.99E-09	-0.024259	0.0245468	0.3230173	0.4129506	12	0.82091099
ENSG00000143437	1	ARNT	150782181	rs3754211	1	150951857	A	G	0.483101	-0.0045926	0.00811893	0.571618	0.420875	0.0570247	1.58E-13	-0.0109121	0.0193472	0.5727429	0.01736476	18	0.89834695
ENSG00000143416	1	SELENBP1	151336778	rs55906289	1	151341703	A	G	0.359841	0.0120843	0.00906449	0.182482	-0.260094	0.0325867	1.44E-15	-0.0464613	0.0353336	0.188533	0.3740374	9	0.70253861
ENSG00000143442	1	POGZ	151375200	rs6587585	1	151442859	T	C	0.855865	0.0139968	0.0113664	0.218169	-0.223437	0.0385636	6.87E-09	-0.0626432	0.052007	0.2283906	0.2949674	9	0.74543747
ENSG00000143376	1	SNX27	151584541	rs17641780	1	151659071	G	A	0.33499	0.0214244	0.00857104	0.0124325	0.387793	0.0498063	6.92E-15	0.055247	0.0232132	0.01731334	0.2790319	8	0.38453234
ENSG00000159445	1	THEM4	151846060	rs10788818	1	151892199	C	T	0.635189	0.00214135	0.00851788	0.801509	0.463294	0.0661656	2.52E-12	0.00462201	0.0183973	0.8016341	0.8519182	17	0.96556956
ENSG00000237975	1	FLG-AS1	152140601	rs140771909	1	152169101	A	G	0.134195	-0.0067421	0.0119418	0.57236	-1.2293	0.124091	3.90E-23	0.00548452	0.00973007	0.5729809	0.2313721	20	0.89834695
ENSG00000197915	1	HRNR	152184558	rs1858483	1	152310086	C	T	0.828032	-0.0039752	0.00919716	0.665581	-0.903878	0.120278	5.70E-14	0.00439794	0.010192	0.6660996	0.4855017	9	0.93243987
ENSG00000143631	1	FLG	152274651	rs140771909	1	152169101	A	G	0.134195	-0.0067421	0.0119418	0.57236	-0.823189	0.126397	7.38E-11	0.00819025	0.0145612	0.5737945	0.5988148	4	0.89834695
ENSG00000189171	1	S100A13	153591263	rs9726753	1	153591652	A	G	0.460239	0.014715	0.00816134	0.0713855	0.488999	0.0423862	8.61E-31	0.0300921	0.0168925	0.07484892	0.782498	20	0.61085851
ENSG00000272030	1	RP1-178F15.4	153603914	rs913860	1	153620127	A	T	0.524851	0.0105909	0.0080529	0.188454	-0.598253	0.0833011	6.88E-13	-0.017703	0.0136845	0.195785	0.2905096	12	0.71412912
ENSG00000198837	1	DENND4B	153901977	rs113191295	1	153912623	A	G	0.0636183	-0.0202162	0.0178654	0.257809	0.409478	0.0616067	3.00E-11	-0.0493707	0.0442575	0.2646222	0.5255023	3	0.77972167
ENSG00000163354	1	DCST2	154990996	rs10908452	1	155001929	C	T	0.361829	0.00936987	0.00816775	0.251308	-0.641467	0.0685319	7.96E-21	-0.0146069	0.0128282	0.2548455	0.02187822	20	0.76864029
ENSG00000143537	1	ADAM15	155023042	rs45444697	1	155034632	G	C	0.192843	0.00575666	0.0106022	0.587151	-0.359208	0.0573749	3.83E-10	-0.016026	0.0296263	0.5885504	0.3234456	5	0.90020885
ENSG00000169231	1	THBS3	155165379	rs6676150	1	155123837	C	G	0.39662	0.00771581	0.00832748	0.354161	-0.375869	0.06001	3.77E-10	-0.0205279	0.0223964	0.3593662	0.5332403	8	0.840274
ENSG00000160766	1	GBAP1	155183616	rs2974930	1	155196717	G	A	0.522863	-0.008303	0.00810953	0.3059	0.365164	0.0455077	1.02E-15	-0.0227378	0.022388	0.3098067	0.9099777	20	0.81319251
ENSG00000225855	1	RUSC1-AS1	155286654	rs6692183	1	155304327	G	T	0.270378	0.00588292	0.0089863	0.51269	0.418725	0.0661041	2.38E-10	0.0140496	0.0215754	0.5149266	0.5251813	20	0.87880989
ENSG00000163382	1	APOA1BP	156561554	rs12023410	1	156572658	C	T	0.243539	0.0213207	0.00963311	0.0268788	-0.790746	0.0732399	3.57E-27	-0.0269628	0.0124356	0.03014467	0.2505475	17	0.44988818
ENSG00000223356	1	RP11-66D17.5	156682004	rs12143060	1	156740026	T	G	0.0328032	-0.0137107	0.0169117	0.417525	-1.08812	0.185219	4.23E-09	0.0126004	0.0156894	0.4219103	0.4773438	3	0.86418667
ENSG00000158714	1	SLAMF8	159796540	rs61050034	1	159808661	A	C	0.176938	0.0262105	0.0117291	0.0254396	-0.869423	0.0774136	2.88E-29	-0.030147	0.0137551	0.02840179	0.8314847	11	0.43604346
ENSG00000188004	1	C1orf204	159804264	rs2494490	1	159804282	G	C	0.2833	0.00997376	0.00940765	0.289065	0.537571	0.0709568	3.56E-14	0.0185534	0.0176708	0.2937434	0.0866762	10	0.80043284
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.889221	0.0551164	1.48E-58	0.0146044	0.00940206	0.120348	0.3879897	15	0.66369299
ENSG00000162729	1	IGSF8	160061130	rs2295621	1	160062727	G	A	0.187873	-0.0066917	0.00930782	0.472183	-0.225195	0.0375773	2.06E-09	0.0297151	0.0416286	0.4753423	0.5081812	8	0.86418667
ENSG00000143318	1	CASQ1	160160285	rs617599	1	160162959	A	G	0.375746	0.00322286	0.00817206	0.693304	-0.741388	0.0551454	3.33E-41	-0.0043471	0.0110274	0.693429	0.4687499	20	0.94063022
ENSG00000122218	1	COPA	160259063	rs11265371	1	160266667	G	C	0.508946	0.00028902	0.00806677	0.971419	0.308748	0.0457063	1.43E-11	0.00093611	0.0261277	0.9714194	0.4024308	15	0.99471489
ENSG00000215845	1	TSTD1	161007421	rs10908821	1	161008535	G	C	0.130219	-0.0026172	0.0115838	0.821251	0.653751	0.0698991	8.54E-21	-0.0040034	0.0177241	0.8213023	0.4120629	20	0.97259053
ENSG00000158793	1	NIT1	161087876	rs76502631	1	161088000	A	G	0.026839	-0.131611	0.0470986	0.00519996	1.29642	0.181856	1.01E-12	-0.101519	0.0390211	0.00927792	0.00270547	6	0.32481394
ENSG00000143252	1	SDHC	161284047	rs111262000	1	161382715	A	G	0.0377734	0.0299309	0.0181697	0.099497	-0.841654	0.133177	2.62E-10	-0.035562	0.0223094	0.1109278	0.6733155	9	0.65086925
ENSG00000162746	1	FCRLB	161691353	rs11585450	1	161696782	C	G	0.525845	-0.0114234	0.00810293	0.158604	0.478076	0.0633415	4.43E-14	-0.0238945	0.0172422	0.1658023	0.6334881	13	0.68549033
ENSG00000185860	1	C1orf110	162794248	rs12024415	1	162832406	T	C	0.190855	0.034287	0.0107688	0.00145305	0.748103	0.0939078	1.63E-15	0.0458319	0.0155019	0.00311121	0.2004728	9	0.26201963
ENSG00000225171	1	DUTP6	166837985	rs7531189	1	166833839	C	T	0.413519	0.00047299	0.00821072	0.954062	0.687192	0.0923491	9.97E-14	0.00068829	0.0119486	0.9540636	0.7253355	12	0.99347767
ENSG00000143194	1	MAEL	166958346	rs7551881	1	166955312	T	G	0.32505	-0.0066086	0.00853796	0.438916	-0.75863	0.0687622	2.66E-28	0.00871122	0.0112821	0.4400395	0.6154889	20	0.86418667
ENSG00000143167	1	GPA33	167022073	rs6660754	1	167029492	C	T	0.217694	0.018569	0.010286	0.071033	-0.715613	0.10321	4.10E-12	-0.0259484	0.0148529	0.08063318	0.3272434	12	0.62536624
ENSG00000143162	1	CREG1	167498914	rs4330902	1	167531835	G	T	0.104374	-0.0120488	0.0133078	0.36526	-0.626356	0.0847893	1.50E-13	0.0192363	0.0214054	0.3688288	0.7148227	6	0.840274
ENSG00000143199	1	ADCY10	167778625	rs7538795	1	168090311	G	A	0.102386	0.00813436	0.011447	0.477325	0.890945	0.118864	6.61E-14	0.00913004	0.0129058	0.479294	0.7002631	17	0.86437113
ENSG00000143147	1	GPR161	168053997	rs2281016	1	168147892	T	C	0.188867	0.00434574	0.00971026	0.654485	-0.578827	0.0960836	1.70E-09	-0.0075078	0.016822	0.6553725	0.3922422	7	0.92747464
ENSG00000143153	1	ATP1B1	169074935	rs17345156	1	169122617	T	C	0.11829	0.0212072	0.0133082	0.111038	0.216154	0.0353033	9.20E-10	0.0981115	0.0636192	0.1230328	0.8424929	4	0.66369299
ENSG00000143156	1	NME7	169101769	rs12035622	1	169102340	A	T	0.12326	0.0221761	0.0130567	0.0894252	0.568422	0.0854153	2.84E-11	0.0390134	0.0237064	0.09982696	0.9848992	5	0.65086925
ENSG00000117477	1	CCDC181	169364108	rs12023025	1	169415932	C	A	0.125249	0.0102405	0.0113891	0.368574	-0.505011	0.0792626	1.87E-10	-0.0202778	0.0227756	0.3732903	0.6739586	4	0.84289358
ENSG00000198734	1	F5	169483404	rs12402407	1	169535633	C	A	0.309145	-0.0138622	0.0084332	0.100226	0.581839	0.0918756	2.41E-10	-0.0238248	0.0149743	0.1115998	0.2373999	6	0.65086925
ENSG00000171806	1	METTL18	169761670	rs12142505	1	169773863	C	A	0.0964215	-0.0213437	0.0159927	0.182011	-1.1104	0.118741	8.64E-21	0.0192216	0.0145486	0.1864336	0.7112403	6	0.70253861
ENSG00000120370	1	GORAB	170501270	rs12729774	1	170495092	G	A	0.136183	0.00654837	0.0124473	0.598828	-0.584497	0.0955342	9.46E-10	-0.0112034	0.0213743	0.6001718	0.2477405	9	0.90385749
ENSG00000271811	1	RP1-79C4.4	170636522	rs623752	1	170618291	G	A	0.584493	0.00454923	0.00807305	0.573089	0.567637	0.0812507	2.82E-12	0.00801433	0.0142684	0.5743313	0.4901542	15	0.89834695
ENSG00000007933	1	FMO3	171060018	rs35473668	1	171147728	T	C	0.0974155	0.0117649	0.0116833	0.313945	-0.5945	0.106401	2.31E-08	-0.0197896	0.0199689	0.3216767	0.8214907	10	0.81861475
ENSG00000162753	1	SLC9C2	173469603	rs12561796	1	173633528	T	C	0.120278	0.0196819	0.0128779	0.126426	0.828489	0.119359	3.89E-12	0.0237564	0.0159162	0.1355438	0.885648	12	0.67869568
ENSG00000183831	1	ANKRD45	173578700	rs113486199	1	173417948	A	G	0.0884692	0.0165754	0.0143998	0.249697	-0.851006	0.116868	3.30E-13	-0.0194774	0.017131	0.2555519	0.6959085	14	0.77015078
ENSG00000117593	1	DARS2	173793641	rs2144708	1	173780119	G	A	0.277336	0.0149788	0.00945185	0.113024	-0.537919	0.0784741	7.14E-12	-0.0278458	0.0180346	0.122583	0.4857881	12	0.66369299
ENSG00000117601	1	SERPINC1	173872947	rs677	1	173876561	G	C	0.11829	0.0223603	0.0128538	0.0819313	0.953145	0.132126	5.44E-13	0.0234595	0.0138722	0.0908154	0.9946992	20	0.64948716
ENSG00000120341	1	SEC16B	177893091	rs12137761	1	177936525	G	A	0.161034	-0.0129313	0.0122491	0.291107	0.392477	0.0658082	2.46E-09	-0.0329479	0.0316949	0.2985567	0.5356072	5	0.80631721
ENSG00000242193	1	RP11-568K15.1	177975271	rs1932847	1	177979808	T	C	0.355865	0.00275362	0.00868177	0.751113	-0.459088	0.0659022	3.26E-12	-0.005998	0.0189305	0.7513617	0.2895658	12	0.95264532
ENSG00000116199	1	FAM20B	178994939	rs12743735	1	178983120	C	T	0.624254	-0.0230881	0.00889284	0.00942454	0.226541	0.0307975	1.90E-13	-0.101916	0.0416282	0.01435575	0.07531773	20	0.36922688
ENSG00000143322	1	ABL2	179068462	rs1173077	1	179220878	T	C	0.382704	0.00081421	0.00848496	0.923553	0.42444	0.0597548	1.22E-12	0.00191831	0.0199928	0.9235603	0.04411976	20	0.99163855
ENSG00000162782	1	TDRD5	179560748	rs744446	1	179558051	G	A	0.306163	-0.0044428	0.00958062	0.642843	0.739048	0.0662705	7.00E-29	-0.0060115	0.0129747	0.6431304	0.00216589	20	0.92308109
ENSG00000143340	1	FAM163A	179712298	rs17279065	1	179733193	G	A	0.336978	0.00704497	0.00827713	0.394693	0.316383	0.043299	2.73E-13	0.0222672	0.0263386	0.397876	0.08192824	10	0.85165727
ENSG00000229407	1	RP11-12M5.3	179785319	rs79792678	1	179735901	T	C	0.107356	-0.0157043	0.012577	0.211793	0.54745	0.088558	6.34E-10	-0.0286863	0.0234378	0.220977	0.1088724	11	0.74274316
ENSG00000135828	1	RNASEL	182542769	rs12041623	1	182561633	C	T	0.370775	0.00294684	0.0083106	0.722898	0.504514	0.0617921	3.22E-16	0.00584095	0.016488	0.7231484	0.8240368	7	0.94540164
ENSG00000058085	1	LAMC2	183155373	rs2276543	1	183155305	A	G	0.293241	0.0117543	0.00840645	0.162039	0.808219	0.0903394	3.67E-19	0.0145435	0.0105275	0.1671323	0.08003194	20	0.68799736
ENSG00000198756	1	COLGALT2	183898796	rs7539021	1	183935831	G	A	0.604374	0.00067192	0.00818955	0.934611	0.307565	0.0563182	4.73E-08	0.00218463	0.0266301	0.9346179	0.7324391	3	0.99347767
ENSG00000273198	1	GS1-304P7.3	186490905	rs59665821	1	186512304	T	C	0.116302	0.0121502	0.0152439	0.425419	-0.789677	0.124818	2.51E-10	-0.0153863	0.0194566	0.4290594	0.6767447	11	0.86418667
ENSG00000118197	1	DDX59	200593024	rs12061556	1	200650239	C	G	0.425447	0.0215943	0.00805502	0.00734345	-0.42069	0.055648	4.04E-14	-0.0513307	0.0203154	0.01151452	0.4896434	9	0.3603961
ENSG00000260088	1	RP11-92G12.3	200638635	rs28608585	1	200641948	G	A	0.477137	-0.0195095	0.00806718	0.0155898	-0.863903	0.0623947	1.35E-43	0.022583	0.00947944	0.0172043	0.2114585	20	0.38453234
ENSG00000174307	1	PHLDA3	201434620	rs12758212	1	201449762	G	A	0.633201	0.018187	0.0082338	0.0271869	-0.348118	0.0490669	1.30E-12	-0.0522438	0.0247721	0.03494658	0.6372162	6	0.46753532
ENSG00000198892	1	SHISA4	201857808	rs7539696	1	201858887	T	C	0.204771	-0.014448	0.00949753	0.1282	-0.435203	0.0676108	1.22E-10	0.0331983	0.0224244	0.1387516	0.4295036	7	0.67926006
ENSG00000214796	1	RP11-480I12.5	202820956	rs2885649	1	202836068	A	G	0.5666	-0.005505	0.00807304	0.4953	0.653095	0.0804949	4.92E-16	-0.0084292	0.0124048	0.4968157	0.7253124	9	0.86872655
ENSG00000163444	1	TMEM183A	202976514	rs782785	1	202988006	T	C	0.5	0.00642483	0.00822038	0.434465	-0.216624	0.0266463	4.31E-16	-0.0296589	0.0381227	0.4365771	0.9448529	6	0.86418667
ENSG00000133063	1	CHIT1	203181955	rs872583	1	203184766	C	T	0.185885	-0.0148465	0.0103857	0.152854	-0.782576	0.109849	1.05E-12	0.0189713	0.0135357	0.161042	0.04050132	3	0.68549033
ENSG00000182004	1	SNRPE	203830731	rs11240609	1	203831261	A	G	0.112326	0.0163317	0.0106076	0.123651	0.657435	0.086356	2.68E-14	0.0248415	0.0164615	0.1312803	0.9617929	11	0.67084532
ENSG00000143839	1	REN	204123944	rs57406581	1	204141832	T	C	0.190855	0.0103223	0.00983314	0.293834	0.582264	0.103076	1.61E-08	0.0177279	0.0171769	0.3020362	0.8067194	5	0.80989807
ENSG00000143850	1	PLEKHA6	204187979	rs4338423	1	204231164	T	C	0.132207	0.014181	0.0172668	0.411482	-0.417583	0.071834	6.13E-09	-0.0339597	0.04176	0.4160969	0.07091114	3	0.86418667
ENSG00000174529	1	TMEM81	205052258	rs12117194	1	205040943	G	C	0.516899	-0.0046284	0.00811286	0.568337	-0.272088	0.0471513	7.90E-09	0.0170107	0.0299624	0.5702157	0.1993539	7	0.89834695
ENSG00000117222	1	RBBP5	205055270	rs7553876	1	205079915	G	A	0.474155	-0.0088583	0.00806748	0.272196	-0.238829	0.0426249	2.11E-08	0.0370903	0.0344218	0.2812462	0.0095914	5	0.79075254
ENSG00000133059	1	DSTYK	205111632	rs6696846	1	205041952	T	C	0.470179	0.00547051	0.00808275	0.498525	0.204253	0.0337726	1.47E-09	0.026783	0.0398193	0.5011927	0.1248906	17	0.86892864
ENSG00000117280	1	RAB7L1	205737114	rs823118	1	205723572	T	C	0.534791	0.0126965	0.0081637	0.119889	0.252315	0.0387596	7.53E-11	0.05032	0.0332658	0.1303641	0.5634901	9	0.66823977
ENSG00000162877	1	PM20D1	205797150	rs1772143	1	205799987	A	T	0.394632	0.0115132	0.00810584	0.155503	-0.633283	0.102822	7.32E-10	-0.0181802	0.0131357	0.1663487	0.0969129	7	0.68627999
ENSG00000196352	1	CD55	207494853	rs116059019	1	207572442	A	G	0.0735586	-0.0011063	0.0195143	0.954793	0.609949	0.0913045	2.38E-11	-0.0018137	0.0319945	0.954794	0.919352	8	0.99347767
ENSG00000203710	1	CR1	207669492	rs679515	1	207750568	C	T	0.828032	0.00898713	0.0102213	0.379264	-0.64839	0.105368	7.57E-10	-0.0138607	0.0159242	0.3840738	0.8292339	4	0.84681604
ENSG00000117335	1	CD46	207925402	rs2724384	1	207930203	A	G	0.797217	-0.0065938	0.00972839	0.497906	0.632027	0.0559357	1.32E-29	-0.0104328	0.01542	0.4986767	0.1006638	20	0.86872655
ENSG00000117597	1	DIEXF	210001352	rs10127446	1	210006086	G	A	0.722664	0.00415355	0.00898869	0.644019	0.383896	0.0612427	3.65E-10	0.0108195	0.0234779	0.6449164	0.02821509	8	0.92308109
ENSG00000054392	1	HHAT	210501596	rs910033	1	210578831	G	A	0.763419	0.00422103	0.0100441	0.674304	-0.495542	0.0744055	2.74E-11	-0.008518	0.0203092	0.6749125	0.2536148	20	0.93372697

ENSG00000153363	1	LINC00467	211556145	rs41303051	1	211556131	G	C	0.0387674	0.00631908	0.0182273	0.72883	-0.663922	0.113135	4.40E-09	-0.0095178	0.0275018	0.7292835	0.9269584	3	0.94860921
ENSG00000123685	1	BATF3	212859760	rs12133919	1	212870612	A	G	0.124254	-0.0056556	0.0137469	0.680774	0.6045	0.096947	4.51E-10	-0.0093558	0.0227904	0.6814281	0.6795663	5	0.9340028
ENSG00000198468	1	FLVCR1-AS1	213025450	rs11120060	1	213062180	A	G	0.563618	0.00589961	0.00824684	0.474375	1.13737	0.0822552	1.74E-43	0.00518706	0.0072605	0.4749658	0.6562643	20	0.86418667
ENSG00000162769	1	FLVCR1	213031597	rs12036853	1	213078181	T	A	0.249503	0.00227949	0.010291	0.824701	0.478954	0.0693915	5.12E-12	0.00475931	0.0214975	0.8247893	0.725089	5	0.97465638
ENSG00000067533	1	RRP15	218458629	rs56238934	1	218496066	C	T	0.403579	0.0143169	0.00806445	0.0758473	0.59825	0.0774443	1.12E-14	0.0239313	0.0138315	0.08359328	0.2865803	4	0.63149811
ENSG00000162817	1	C1orf115	220863187	rs146748429	1	220886764	T	C	0.0178926	0.0325099	0.0383348	0.396409	0.539475	0.0958456	1.82E-08	0.0602621	0.0718615	0.4017012	0.971421	6	0.85364306
ENSG00000272823	1	RP11-295M18.6	221002018	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.750939	0.0983496	2.25E-14	-0.0073652	0.0114055	0.5184342	0.191611	15	0.88111424
ENSG00000238078	1	RP11-295M18.2	221002597	rs11118618	1	221011546	T	C	0.244533	-0.0084943	0.00939039	0.365691	0.703853	0.104861	1.92E-11	-0.0120683	0.013462	0.3700019	0.05803145	14	0.84052584
ENSG00000225265	1	RP11-378J18.3	222763167	rs4400619	1	222729986	G	T	0.143141	-0.0098857	0.010838	0.3617	-0.656437	0.11308	6.43E-09	0.0150597	0.0167129	0.3675461	0.08402912	4	0.840274
ENSG00000272750	1	RP11-378J18.8	222832209	rs17465940	1	222836996	G	A	0.737575	0.00358127	0.00919488	0.696917	-0.830262	0.0857012	3.40E-22	-0.0043134	0.0110836	0.6971498	0.3427042	20	0.94142868
ENSG00000143502	1	SUSD4	223394161	rs825131	1	223518146	C	T	0.464215	0.00629743	0.00805452	0.434302	-0.246672	0.0353724	3.09E-12	-0.0255296	0.0328573	0.4371692	0.6556441	15	0.86418667
ENSG00000203697	1	CAPN8	223711349	rs61825184	1	223812935	C	T	0.447316	-0.0066623	0.00827772	0.420908	-0.645576	0.0893867	5.11E-13	0.0103199	0.0129016	0.4237712	0.5335464	10	0.86418667
ENSG00000272645	1	RP11-504P24.8	224139096	rs10799372	1	224146406	T	C	0.586481	0.0112441	0.00816275	0.168361	0.392812	0.0416433	3.99E-21	0.0286246	0.0210007	0.1728723	0.1319044	20	0.69632219
ENSG00000243709	1	LEFTY1	226073982	rs76889922	1	226104283	T	C	0.12326	-0.0040264	0.0121419	0.740185	-0.839814	0.128551	6.45E-11	0.00479436	0.0144765	0.7405061	0.4436732	5	0.94997803
ENSG00000163041	1	H3F3A	226249552	rs6692329	1	226278185	A	G	0.718688	-0.0073238	0.00897563	0.414519	-0.592652	0.0619142	1.05E-21	0.0123577	0.0151998	0.4162073	0.1830252	20	0.86418667
ENSG00000185155	1	MIXL1	226411319	rs2927338	1	226407325	A	G	0.323062	0.00343377	0.00942987	0.715756	-0.528822	0.092527	1.09E-08	-0.0064932	0.017868	0.7163055	0.2483618	5	0.94509525
ENSG00000143740	1	SNAP47	227916240	rs10916205	1	227957591	T	C	0.393638	-0.0193098	0.00822995	0.0189618	-0.246834	0.0320156	1.26E-14	0.0782299	0.0348518	0.02479104	0.7167058	20	0.4293542
ENSG00000162913	1	C1orf145	228391207	rs140308431	1	227910273	T	C	0.0238569	0.0162845	0.0460819	0.723802	1.12081	0.172202	7.58E-11	0.0145292	0.0411754	0.7241919	0.9145623	13	0.94540164
ENSG00000154358	1	OBSCN	228395831	rs947087	1	228415594	A	G	0.358847	-0.0029249	0.00843021	0.728625	-0.454202	0.065597	4.39E-12	0.00643965	0.0185838	0.7289521	0.1774778	20	0.94860921
ENSG00000135744	1	AGT	230838269	rs10864769	1	230833927	G	A	0.208748	-0.0028024	0.00910932	0.758354	-0.391872	0.0415893	4.41E-21	0.00715137	0.023258	0.7584786	0.3577746	20	0.95429111
ENSG00000135773	1	CAPN9	230883130	rs2354846	1	230889572	G	A	0.26839	0.00100806	0.0106937	0.924898	-0.644097	0.0776281	1.07E-16	-0.0015651	0.0166037	0.9249021	0.9922021	20	0.99163855
ENSG00000173409	1	ARV1	231114727	rs7545429	1	231152137	C	T	0.440358	-0.0066016	0.0084446	0.434359	-0.51885	0.0725889	8.82E-13	0.0127235	0.0163727	0.437088	0.3983628	13	0.86418667
ENSG00000182118	1	FAM89A	231154704	rs4310430	1	231172881	G	T	0.316103	-0.0017052	0.00892144	0.848421	0.489456	0.0535607	6.34E-20	-0.0034839	0.0182312	0.8484534	0.04828504	20	0.98277874
ENSG00000116906	1	GNPAT	231376953	rs562470	1	231407142	C	T	0.531809	0.00705499	0.00809364	0.383388	-0.27016	0.0463798	5.71E-09	-0.0261141	0.0302923	0.3886479	0.9992443	3	0.84859336
ENSG00000135778	1	NTPCR	233086351	rs12725558	1	233091463	A	T	0.16004	0.00406713	0.0107642	0.705552	1.26267	0.0886037	4.43E-46	0.00322106	0.00852795	0.7056491	0.535132	16	0.94255443
ENSG00000273367	1	RP5-827C21.6	234507932	rs10910416	1	234459353	T	C	0.0685885	0.0145518	0.0141329	0.303178	-0.413717	0.0721914	9.99E-09	-0.0351733	0.0347078	0.3108627	0.3638668	4	0.81319251
ENSG00000231663	1	RP5-827C21.4	234508553	rs11549817	1	234508956	C	A	0.0934394	0.00186299	0.0174304	0.914883	0.956641	0.10657	2.79E-19	0.00194743	0.0182217	0.9148889	0.8366473	13	0.98848475
ENSG00000168275	1	COA6	234509202	rs10910420	1	234509259	C	G	0.49503	8.97E-05	0.00812127	0.991186	0.488698	0.0614212	1.77E-15	0.00018359	0.0166182	0.9911857	0.6238598	17	0.99595203
ENSG00000224939	1	LINC00184	234765057	rs6696170	1	234772346	T	C	0.205765	-0.0173101	0.0105865	0.102027	0.800659	0.093931	1.54E-17	-0.0216198	0.0134633	0.1083107	0.04679208	17	0.65086925
ENSG00000086619	1	ERO1LB	236378855	rs1268613	1	236429502	G	A	0.248509	-0.0138073	0.00849578	0.104121	0.511767	0.0739285	4.44E-12	-0.0269797	0.0170522	0.1136092	0.5910077	15	0.65777444
ENSG00000225554	1	RP11-527D7.1	241587592	rs6696080	1	241594622	C	T	0.264414	-0.0036038	0.00845969	0.670111	0.393873	0.0607	8.65E-11	-0.0091496	0.0215245	0.670778	0.2664873	3	0.93280877
ENSG00000162843	1	WDR64	241815580	rs12037241	1	241853637	T	G	0.373757	0.00440128	0.00870212	0.613018	0.690178	0.0826457	6.77E-17	0.00637702	0.0126316	0.613667	0.2525626	5	0.90997983
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	0.976685	0.0729238	6.62E-41	0.00666465	0.00848477	0.43217	0.6889321	20	0.86418667
ENSG00000224525	1	RP11-561I11.3	242366857	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.03648	0.0755592	7.98E-43	0.00628016	0.00799463	0.432133	0.7190337	20	0.86418667
ENSG00000253326	1	RP11-261C10.7	243218163	rs61833150	1	243262740	T	C	0.111332	0.0190677	0.0107976	0.0774087	-0.75327	0.125053	1.71E-09	-0.0253132	0.0149376	0.0901516	0.6630937	20	0.64948716
ENSG00000272195	1	RP11-156E8.1	245132652	rs55936343	1	245147336	T	A	0.582505	0.0262311	0.00865899	0.00245081	1.02593	0.0726675	2.94E-45	0.0255681	0.00863225	0.00305716	0.1303776	20	0.26201963
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.876336	0.06527	4.24E-41	-0.013016	0.00929889	0.1615919	0.00167227	20	0.68549033
ENSG00000235021	1	RP11-439E19.7	246853349	rs3007303	1	246857840	A	T	0.336978	0.00478369	0.00884142	0.58847	0.529688	0.0942815	1.93E-08	0.00903115	0.016769	0.5901886	0.196866	12	0.90091544
ENSG00000260855	1	RP11-439E19.10	246935603	rs4926445	1	246952322	T	A	0.610338	0.0030085	0.00838927	0.719885	0.549881	0.0782286	2.08E-12	0.00547118	0.0152764	0.7202333	0.5000509	20	0.94509525
ENSG00000188295	1	ZNF669	247263264	rs2270616	1	247267668	T	G	0.388668	-0.0017997	0.00825834	0.827489	0.53734	0.0763295	1.93E-12	-0.0033492	0.0153763	0.8275706	0.3187113	20	0.97578831
ENSG00000221953	1	C1orf229	247273462	rs73135916	1	247274899	G	A	0.324056	0.0108087	0.00893166	0.226221	-0.682414	0.0789476	5.43E-18	-0.0158389	0.013216	0.230735	0.3600265	20	0.74640182
ENSG00000196418	1	ZNF124	247285277	rs10159377	1	247289430	T	C	0.276342	0.00985563	0.00936702	0.292725	-0.775017	0.0853203	1.05E-19	-0.0127167	0.012167	0.2959422	0.97978	20	0.80043284
ENSG00000259865	1	RP11-488L18.10	247350583	rs10754539	1	247365430	G	A	0.441352	0.00641899	0.00831723	0.440251	0.373945	0.0466383	1.07E-15	0.0171656	0.0223447	0.4423567	0.5787507	20	0.86418667
ENSG00000162714	1	ZNF496	247460714	rs6692645	1	247486421	C	G	0.663022	0.0101519	0.00828161	0.22026	-0.546861	0.0570227	8.79E-22	-0.0185639	0.0152671	0.2240064	0.4237297	15	0.74274316
ENSG00000162722	1	TRIM58	248020501	rs11204520	1	248006989	T	A	0.733598	0.00144146	0.00974383	0.882394	0.512275	0.0825984	5.58E-10	0.00281384	0.0190261	0.8824267	0.04121717	7	0.98658093
ENSG00000238243	1	OR2W3	248031277	rs6587387	1	248058879	T	A	0.980119	0.0438256	0.0297466	0.140671	1.13666	0.174881	8.05E-11	0.0385565	0.0268341	0.1507616	0.1958085	3	0.68107362
ENSG00000226191	1	RP11-438H8.8	248099363	rs10888274	1	248079963	C	A	0.203777	-0.0153967	0.00922516	0.0951196	0.768755	0.0843676	8.09E-20	-0.0200281	0.0121998	0.1006566	0.7896268	20	0.65086925
ENSG00000196071	1	OR2L13	248100493	rs7368310	1	248120187	G	T	0.657058	0.00625512	0.00845838	0.459593	-0.820652	0.0877692	8.76E-21	-0.0076221	0.0103391	0.4609915	0.3595504	18	0.86418667
ENSG00000233296	2	AC092159.2	677186	rs114064458	2	708876	C	A	0.0974155	0.00978663	0.0125191	0.434371	1.03479	0.16082	1.24E-10	0.0094576	0.0121872	0.4377315	0.5798196	6	0.86418667
ENSG00000237667	2	AC113607.1	779837	rs6760626	2	868162	C	A	0.455268	-0.0034471	0.00818039	0.673473	0.778784	0.110029	1.46E-12	-0.0044263	0.0105227	0.6740164	0.4403981	5	0.93372697
ENSG00000237720	2	AC011995.1	2838036	rs10200599	2	2838270	A	G	0.316103	-0.0136906	0.00869055	0.115176	-0.303971	0.0541469	1.98E-08	0.0450392	0.0296944	0.1293286	0.6427876	3	0.6682275
ENSG00000171853	2	TRAPPC12	3383446	rs6706868	2	3384825	A	G	0.498012	0.00437494	0.0081271	0.59036	-0.287514	0.0498217	7.89E-09	-0.0152164	0.0283895	0.5919668	0.7506557	5	0.90174025
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs4264589	2	3481098	T	G	0.419483	-0.0078561	0.00822221	0.339342	-0.680939	0.0544402	6.75E-36	0.0115371	0.01211	0.3407464	0.9915306	20	0.83501439
ENSG00000182551	2	ADI1	3501132	rs10179340	2	3523324	G	A	0.840954	0.00651919	0.00963286	0.498555	0.346549	0.051213	1.32E-11	0.0188117	0.0279352	0.5006889	0.9805886	6	0.86872655
ENSG00000234171	2	AC108488.3	3606082	rs12629	2	3609064	A	G	0.295229	0.0086602	0.00838912	0.301926	-1.16092	0.0725027	1.05E-57	-0.0074598	0.00724127	0.3029281	0.4507228	14	0.81037998
ENSG00000118004	2	COLEC11	3642426	rs4850068	2	3655743	T	C	0.67495	-0.0093067	0.00909112	0.305973	-0.802764	0.102311	4.28E-15	0.0115933	0.0114208	0.310055	0.6129433	18	0.81319251
ENSG00000151360	2	ALLC	3705785	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.72106	0.144166	7.50E-33	-0.0068606	0.00762734	0.3684001	0.4401087	11	0.840274
ENSG00000205837	2	LINC00487	6868309	rs10495545	2	6990020	T	C	0.115308	0.00656604	0.0120227	0.584973	1.04658	0.165027	2.27E-10	0.00627381	0.0115301	0.5863568	0.4409949	4	0.90003566
ENSG00000225964	2	AC017076.5	6968645	rs10495545	2	6990020	T	C	0.115308	0.00656604	0.0120227	0.584973	1.01255	0.167136	1.38E-09	0.00648466	0.0119218	0.5864888	0.5425719	4	0.90003566
ENSG00000271947	2	RP11-439M11.1	7045855	rs28490284	2	7050968	C	T	0.213718	-0.0004007	0.0107788	0.970348	0.62658	0.0875111	8.07E-13	-0.0006395	0.0172028	0.9703484	0.2335623	3	0.99471489
ENSG00000229727	2	AC013460.1	7561392	rs10182503	2	7437247	G	A	0.703777	0.00477727	0.00849486	0.573863	-0.529992	0.085815	6.58E-10	-0.0090139	0.0160946	0.5754421	0.105064	5	0.89834695
ENSG00000236790	2	LINC00299	8147901	rs12616139	2	8522651	C	T	0.536779	-0.0077436	0.00804555	0.335816	-0.362399	0.0593629	1.03E-09	0.0213675	0.022475	0.3417461	0.4247504	5	0.83501439
ENSG00000151694	2	ADAM17	9628615	rs11690078	2	9639194	T	C	0.583499	0.00459396	0.00805563	0.568488	0.408282	0.0529061	1.19E-14	0.0112519	0.0197844	0.5695403	0.4840596	19	0.89834695
ENSG00000115761	2	NOL10	10710892	rs55974540	2	10835999	A	G	0.319085	0.00044722	0.00863223	0.958682	0.425333	0.0643177	3.77E-11	0.00105145	0.0202959	0.9586832	0.9273163	16	0.99347767
ENSG00000143882	2	ATP6V1C2	10861775	rs12619522	2	10866050	G	A	0.50994	-0.0061111	0.00814737	0.453216	-0.572523	0.0684368	5.97E-17	0.0106739	0.0142877	0.4550229	0.9168415	18	0.86418667
ENSG00000271952	2	RP11-245G13.2	11018395	rs35968103	2	10985803	A	G	0.421471	0.0123105	0.00847153	0.14618	0.932071	0.097528	1.21E-21	0.0132077	0.0091934	0.1508179	0.3040326	8	0.68107362
ENSG00000145063	2	AC062028.1	11239977	rs6752604	2	11264444	G	A	0.835984	0.0005019	0.0108165	0.962991	0.393759	0.0458375	8.67E-18	0.00127463	0.0274702	0.9629912	0.8540852	10	0.99347767
ENSG00000226080	2	RP11-345J13.1	11242268	rs1546599	2	11263956	A	T	0.861829	0.00222779	0.0115081	0.846501	-0.572836	0.0834323	6.61E-12	-0.0038891	0.0200977	0.8465614	0.4584049	3	0.98207023
ENSG00000196208	2	GREB1	11674242	rs3816096	2	11752919	A	G	0.743539	-0.0157961	0.00945291	0.0947175	0.489644	0.0835584	4.63E-09	-0.0322604	0.0200753	0.1080611	0.5487571	5	0.65086925
ENSG00000134324	2	LPIN1	11817721	rs3795974	2	11924950	C	T	0.596421	0.0121625	0.00833667	0.144589	0.64416	0.0611297	5.80E-26	0.0188812	0.0130654	0.148421	0.3388846	16	0.68107362
ENSG00000151779	2	NBAS	15307032	rs9973946	2	15631022	T	C	0.690855	0.00764222	0.00814416	0.348055	-0.375371	0.0502883	8.37E-14	-0.0203591	0.0218671	0.3518329	0.6123314	5	0.840274
ENSG00000178295	2	GEN1	17935125	rs17381084	2	17914056	T	G	0.4334	0.00419732	0.0080619	0.602619	0.3332	0.0585482	1.26E-08	0.012597	0.0242964	0.6041293	0.8426949	10	0.90522734
ENSG00000183891	2	TTC32	20096404	rs13415707	2	20173673	T	G	0.111332	-0.0322402	0.0151017	0.0327718	1.27326	0.112305	8.56E-30	-0.025321	0.0120691	0.03590506	0.8460752	7	0.47321798
ENSG00000118961	2	C2orf43	20883788	rs10182643	2	20884586	C	G	0.246521	0.00474416	0.00930063	0.609988	-0.844256	0.071649	4.76E-32	-0.0056193	0.0110267	0.6103227	0.4021677	20	0.90688966
ENSG00000119771	2	KLHL29	23608088	rs13033444	2	23611438	G	A	0.255467	0.0132324	0.0090557	0.143954	0.218641	0.0369509	3.28E-09	0.0605211	0.0426624	0.1560137	0.1114308	3	0.68549033
ENSG00000219626	2	FAM228B	24299396	rs7577426	2	24313687	T	G	0.139165	0.0327723	0.0101483	0.00124068	-0.618004	0.0762297	5.18E-16	-0.0530293	0.0176759	0.00269902	0.7812345	15	0.2527635
ENSG00000115129	2	TP53I3	24300303	rs73920010	2	24347093	C	A	0.156064	0.0295885	0.009911	0.00283191	-0.499322	0.0790594	2.69E-10	-0.0592574	0.0219547	0.0069533	0.680725	7	0.30017552
ENSG00000232642	2	AC008073.7	24388753	rs10445893	2	24407128	G	A	0.61829	0.00817786	0.00858949	0.341057	-0.858019	0.0975004	1.37E-18	-0.0095311	0.0100693	0.3438661	0.03668722	20	0.83501439
ENSG00000186453	2	FAM228A	24397938	rs11125453	2	24373503	T	C	0.574553	0.00994057	0.00847468	0.240807	-0.471695	0.0726423	8.39E-11	-0.0210741	0.0182572	0.2483808	0.0789171	16	0.76274604
ENSG00000084676	2	NCOA1	24714783	rs12614742	2	24711484	C	T	0.519881	-0.0026264	0.00808466	0.745288	-0.249093	0.045473	4.31E-08	0.0105438	0.0325134	0.7457186	0.4726408	3	0.95189833
ENSG00000138031	2	ADCY3	25042038	rs6737082	2	25138040	C	A	0.45825	-0.0066489	0.00811658	0.412686	-0.307217	0.0454955	1.45E-11	0.0216424	0.0266134	0.4160952	0.1038715	20	0.86418667
ENSG00000138029	2	HADHB	26466038	rs10201087	2	26476977	G	A	0.920477	0.0203475	0.0171284	0.234856	-0.303458	0.0527818	8.96E-09	-0.0670521	0.0576364	0.2446815	0.9719481	5	0.76092327
ENSG00000157851	2	DPYSL5	27070615	rs7589183	2	27064336	T	C	0.399602	-0.01048	0.00822148	0.202412	-0.327425	0.0395593	1.27E-16	0.0320073	0.0254055	0.2077213	0.1156991	20	0.73069947
ENSG00000157992	2	KRTCAP3	27665233	rs12475426	2	27599132	A	G	0.384692	0.0214617	0.0081165	0.00818823	0.418943	0.0725843	7.84E-09	0.0512282	0.0213101	0.01621918	0.1072366	6	0.38351036
ENSG00000270210	2	RP11-373D23.3	28648812	rs7562	2	28635740	C	T	0.460239	-0.002247	0.00810061	0.781486	-0.422695	0.0746842	1.52E-08	0.00531582	0.0191872	0.7817415	0.7252675	11	0.96013235
ENSG00000213639	2	PPP1CB	28974506	rs12185717	2	29069551	A	C	0.483101	0.0132813	0.00807736	0.100122	0.272494	0.0343586	2.18E-15	0.0487398	0.0302727	0.1073925	0.9870906	20	0.65086925
ENSG00000171103	2	TRMT61B	29072687	rs56178008	2	29098543	A	T	0.423459	-0.0131966	0.00815302	0.10553	0.500131	0.0573866	2.90E-18	-0.0263863	0.0165805	0.1115194	0.9509203	20	0.65086925
ENSG00000189350	2	FAM179A	29179477	rs74175081	2	29180123	A	G	0.208748	-0.0120832	0.0122227	0.322867	1.31521	0.0853971	1.61E-53	-0.0091873	0.00931247	0.3238601	0.8386849	20	0.82228454
ENSG00000172954	2	LCLAT1	30670092	rs6727836	2	30654319	A	C	0.639165	-0.0041526	0.00843279	0.622412	-0.406816	0.0698979	5.88E-09	0.0102076	0.0208028	0.6236507	0.7728024	10	0.91443861
ENSG00000091106	2	NLRC4	32449522	rs212708	2	32451446	G	A	0.557654	-0.0061602	0.00831229	0.458635	0.410426	0.0739457	2.85E-08	-0.0150093	0.0204326	0.4625969	0.9996389	7	0.86418667
ENSG00000018699	2	TTC27	32853099	rs111896629	2	32903548	A	G	0.120278	0.00637116	0.0138566	0.645666	-0.698019	0.0982103	1.18E-12	-0.0091275	0.0198928	0.6463539	0.3898715	16	0.92308109
ENSG00000152689	2	RASGRP3	33661391	rs12468045	2	33775283	A	T	0.111332	-0.0027212	0.0143908	0.850021	0.432675	0.0619993	2.98E-12	-0.0062892	0.0332723	0.8500754	0.4873614	4	0.98404896
ENSG00000171055	2	FEZ2	36778570	rs1533949	2	36781020	A	G	0.379722	-0.0033853	0.00834945	0.685144	-0.319338	0.0565183	1.60E-08	0.0106011	0.0262134	0.6859081	0.8116136	16	0.93644307
ENSG00000218739	2	AC007390.5	37423631	rs4670193	2	37536488	A	G	0.582505	0.00202546	0.00825398	0.806153	-0.444212	0.0678191	5.76E-11	-0.0045597	0.0185942	0.8062862	0.6441685	20	0.96661161
ENSG00000115828	2	QPCT	37571717	rs3770756	2	37573897	C	T	0.579523	0.00039442	0.00826375	0.961932	-0.331257	0.0500605	3.66E-11	-0.0011907	0.0249473	0.9619334	0.8435355	16	0.99347767
ENSG00000143891	2	GALM	38893052	rs13011383	2	38897074	A	G	0.114314	-0.0259184	0.0139354	0.0628999	0.740919	0.0848082	2.41E-18	-0.0349814	0.0192298	0.06889166	0.4912179	10	0.59485717
ENSG00000115944	2	COX7A2L	42560686	rs10183278	2	42571486	T	C	0.585487	0.0128554	0.00826748	0.11996	-0.270146	0.0348936	9.79E-15	-0.0475869	0.0312149	0.1273859	0.3717251	20	0.6660315
ENSG00000152527	2	PLEKHH2	43864412	rs112505066	2	43938758	T	C	0.208748	0.00209068	0.00949771	0.825774	-0.684561	0.0860275	1.76E-15	-0.003054	0.0138795	0.8258396	0.7736745	7	0.97474496
ENSG00000138095	2	LRPPRC	44113647	rs6759659	2	44143756	G	A	0.407555	-0.006094	0.00818012	0.456287	0.410557	0.0402274	1.87E-24	-0.0148432	0.0199775	0.4574831	0.8017239	20	0.86418667
ENSG00000250565	2	ATP6V1E2	46717889	rs3754553	2	46769135	C	T	0.477137	-0.0072811	0.00805789	0.366206	-0.633231	0.0714984	8.25E-19	0.0114984	0.0127911	0.3686861	0.3575232	17	0.840274
ENSG00000119878	2	CRIPT	46843555	rs3087822	2	46852033	G	A	0.422465	0.00148707	0.00840828	0.85962	0.539371	0.0502984	7.90E-27	0.00275704	0.0155912	0.859639	0.8876186	20	0.98554401
ENSG00000180398	2	MCFD2	47129009	rs6716381	2	47148163	A	G	0.181909	-0.0184544	0.011842	0.119143	-0.720908	0.0475523	6.47E-52	0.0255988	0.0165131	0.1210895	0.8084347	20	0.66369299
ENSG00000119888	2	EPCAM	47572297	rs56368712	2	47599802	A	T	0.0765408	-0.0016539	0.0134386	0.902053	1.32815	0.170395	6.46E-15	-0.0012452	0.0101195	0.9020655	0.7518704	9	0.98658093
ENSG00000170802	2	FOXN2	48541776	rs79073127	2	48573895	C	G	0.12326	-0.0080756	0.0148553	0.586703	0.508113	0.0555763	6.10E-20	-0.0158934	0.0292878	0.5873632	0.169119	18	0.90020885
ENSG00000272663	2	RP11-191L17.1	48667182	rs72820445	2	48607856	C	T	0.321074	-0.0095316	0.00823488	0.247084	-0.474915	0.0852918	2.58E-08	0.02007	0.0177104	0.2571149	0.7327728	20	0.77175674
ENSG00000162869	2	PPP1R21	48667737	rs76875602	2	48676822	C	G	0.149105	0.00021984	0.00994502	0.982364	0.543282	0.0736101	1.58E-13	0.00040465	0.0183055	0.9823641	0.04309826	20	0.99550269
ENSG00000243244	2	STON1	48756522	rs4953592	2	48776217	G	A	0.136183	-0.0044558	0.0100169	0.656446	0.594564	0.0962273	6.46E-10	-0.0074942	0.0168911	0.6572762	0.6568781	20	0.92806508
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.629533	0.0854561	1.75E-13	-0.0043786	0.0132817	0.7416477	0.3558688	3	0.95046606
ENSG00000233266	2	HMGB1P31	54278471	rs4671178	2	54283493	C	T	0.392644	-0.0049272	0.00807059	0.541524	0.585119	0.0956209	9.41E-10	-0.0084208	0.0138616	0.5435236	0.1414595	20	0.88612583
ENSG00000237887	2	AC092839.1	54756480	rs6545424	2	54746811	A	T	0.384692	0.00463853	0.00888591	0.601664	-0.544215	0.079318	6.83E-12	-0.0085233	0.0163751	0.6027114	0.4370394	20	0.90455004
ENSG00000162994	2	CLHC1	55401927	rs6545475	2	55395807	T	C	0.45328	0.00849977	0.0083276	0.307409	0.514758	0.0762203	1.44E-11	0.0165122	0.0163614	0.312872	0.1208992	16	0.81435501
ENSG00000162997	2	PRORSD1P	55509455	rs111606289	2	55509478	G	A	0.0377734	0.00354442	0.0285325	0.901138	1.02708	0.188189	4.82E-08	0.00345097	0.0277874	0.9011634	0.584646	10	0.98658093
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	1.11453	0.0575974	2.02E-83	-0.0038334	0.00726346	0.5976606	0.03462301	20	0.90385749
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.732161	0.0497021	4.08E-49	0.0114391	0.011354	0.3136976	0.1975289	20	0.81435501
ENSG00000225889	2	AC074289.1	64370373	rs34354460	2	64501015	T	G	0.128231	0.0015892	0.0107054	0.881989	-0.536119	0.0871871	7.79E-10	-0.0029643	0.0199741	0.882023	0.1192336	9	0.98658093
ENSG00000138071	2	ACTR2	65454887	rs268858	2	65471137	A	T	0.581511	0.0103103	0.00843097	0.221365	0.157265	0.0274549	1.02E-08	0.06556	0.0548181	0.2317135	0.434513	5	0.74724783
ENSG00000163219	2	ARHGAP25	68906733	rs10048745	2	68962137	A	G	0.239563	0.00599281	0.00975178	0.538863	-0.504591	0.0834924	1.51E-09	-0.0118766	0.0194258	0.5409465	0.478806	4	0.88612583
ENSG00000087338	2	GMCL1	70056774	rs6546553	2	70111711	A	C	0.444334	0.00588586	0.00805346	0.464872	-0.334302	0.0531245	3.12E-10	-0.0176064	0.0242523	0.4678579	0.01080563	10	0.86418667
ENSG00000124380	2	SNRNP27	70120692	rs4852375	2	70125988	G	C	0.442346	0.00445663	0.00804239	0.579481	-0.359855	0.0465459	1.07E-14	-0.0123845	0.0224063	0.5804521	0.02349602	20	0.89924465
ENSG00000163235	2	TGFA	70674412	rs3755381	2	70718695	C	T	0.527833	0.00954033	0.00815924	0.242296	0.301067	0.0450184	2.27E-11	0.0316884	0.0275122	0.2494054	0.08792591	15	0.76347608
ENSG00000152672	2	CLEC4F	71035775	rs2302561	2	71221822	G	A	0.322068	0.00727516	0.00927965	0.433045	-0.455692	0.074867	1.15E-09	-0.0159651	0.0205321	0.4368242	0.2353998	5	0.86418667
ENSG00000144043	2	TEX261	71213068	rs6734489	2	71217621	A	G	0.304175	-0.0004405	0.00857508	0.95903	-0.313033	0.0453117	4.90E-12	0.00140721	0.0273943	0.9590316	0.2946007	5	0.99347767
ENSG00000124357	2	NAGK	71291474	rs34976255	2	71278492	A	G	0.23161	-0.0086159	0.00974266	0.376508	-0.313425	0.0548515	1.10E-08	0.0274896	0.0314546	0.3821482	0.7110866	13	0.84640362
ENSG00000135632	2	SMYD5	73441350	rs55693343	2	73482673	A	G	0.0884692	0.0103429	0.0129348	0.423933	-0.477524	0.079278	1.71E-09	-0.0216594	0.0273249	0.4279736	0.7993168	5	0.86418667
ENSG00000144035	2	NAT8	73867959	rs10206899	2	73900900	C	T	0.207753	0.00135216	0.0105288	0.897813	0.755826	0.113139	2.38E-11	0.00178898	0.0139328	0.8978315	0.2809395	13	0.98658093
ENSG00000163016	2	ALMS1P	73872046	rs10206899	2	73900900	C	T	0.207753	0.00135216	0.0105288	0.897813	0.785231	0.10746	2.73E-13	0.00172199	0.0134106	0.8978284	0.313719	10	0.98658093
ENSG00000257800	2	FNBP1P1	74347807	rs828899	2	74342229	T	C	0.430417	0.00103904	0.00830261	0.900407	0.830691	0.0776172	9.92E-27	0.00125081	0.00999551	0.9004146	0.9766407	16	0.98658093
ENSG00000217702	2	MGC10955	74361599	rs6731793	2	74350441	G	C	0.181909	-0.0049768	0.0107821	0.644383	1.33279	0.101179	1.26E-39	-0.0037341	0.00809484	0.6445851	0.5759425	20	0.92308109
ENSG00000163170	2	BOLA3	74362525	rs844168	2	74372925	A	G	0.434394	-0.0058537	0.00805586	0.46745	0.303678	0.0507199	2.13E-09	-0.0192759	0.0267223	0.470699	0.6328128	3	0.86418667
ENSG00000225439	2	BOLA3-AS1	74375136	rs828883	2	74375457	A	G	0.428429	-0.0068514	0.00805538	0.395029	-0.342326	0.0412767	1.10E-16	0.0200142	0.0236547	0.3974994	0.5189143	13	0.85165727
ENSG00000115275	2	MOGS	74688184	rs7579331	2	74696164	T	C	0.159046	0.00702092	0.0115738	0.544103	0.419557	0.0590852	1.24E-12	0.0167341	0.0276862	0.5455642	0.7603883	12	0.8868228
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.09226	0.0601269	9.61E-74	-0.0077681	0.00824439	0.3460778	0.370738	20	0.83531407
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.983246	0.0675254	4.96E-48	-0.0086293	0.00916531	0.3464385	0.4101634	20	0.83564625
ENSG00000115364	2	MRPL19	75873909	rs34645183	2	75897939	C	A	0.243539	-0.0032028	0.00869702	0.712681	-0.664464	0.0572463	3.79E-31	0.00482007	0.0130954	0.7128179	0.5262116	20	0.94509525
ENSG00000246575	2	AC093162.5	85542164	rs140300131	2	85571458	T	C	0.0248509	-0.030284	0.0234256	0.196089	1.54376	0.280949	3.91E-08	-0.019617	0.0155887	0.2082419	0.1399843	4	0.73109106
ENSG00000042445	2	RETSAT	85569211	rs908302	2	85573033	A	G	0.621272	-0.0134045	0.00823789	0.103701	0.323582	0.0563967	9.60E-09	-0.0414254	0.0264624	0.1174795	0.3861078	10	0.66335906
ENSG00000042493	2	CAPG	85621871	rs9677267	2	85641187	T	C	0.133201	-0.0041813	0.0130648	0.748935	-0.412124	0.0588759	2.56E-12	0.0101457	0.0317343	0.7491894	0.09978906	13	0.95264532
ENSG00000152292	2	SH2D6	85645844	rs6547617	2	85655402	A	T	0.554672	0.010847	0.00809998	0.180527	-0.419957	0.0672773	4.32E-10	-0.0258288	0.0197265	0.1904166	0.6661324	11	0.70304854
ENSG00000115486	2	GGCX	85771846	rs3755015	2	85764041	A	G	0.497018	-0.0045275	0.00809919	0.576157	0.789866	0.0774543	2.03E-24	-0.005732	0.0102693	0.5767301	0.4712361	20	0.89834695
ENSG00000115523	2	GNLY	85912298	rs3755007	2	85920249	G	T	0.367793	0.0127483	0.00880952	0.147869	-0.493899	0.0834255	3.21E-09	-0.0258116	0.0183618	0.1598073	0.2690434	5	0.68549033
ENSG00000068654	2	POLR1A	86247339	rs4832027	2	86369700	A	C	0.884692	0.00033306	0.012649	0.978993	0.555435	0.0757845	2.32E-13	0.00059964	0.0227733	0.9789936	0.3672361	20	0.99550269
ENSG00000132305	2	IMMT	86371055	rs9653508	2	86422816	G	T	0.508946	0.0119234	0.00812335	0.142162	-0.3049	0.043865	3.63E-12	-0.0391059	0.0272302	0.1509673	0.1878642	20	0.68107362
ENSG00000273080	2	RP11-301O19.1	86422713	rs12478097	2	86395961	C	T	0.479125	0.0131682	0.00805331	0.102023	0.733293	0.0899615	3.60E-16	0.0179576	0.0112012	0.1088926	0.06432005	20	0.65086925
ENSG00000132313	2	MRPL35	86426478	rs9653508	2	86422816	G	T	0.508946	0.0119234	0.00812335	0.142162	-0.229965	0.0393709	5.19E-09	-0.0518488	0.0364225	0.1545811	0.01706874	6	0.68522247
ENSG00000115561	2	CHMP3	86730554	rs7557796	2	86766153	C	T	0.627237	0.0242387	0.00824335	0.00327793	0.196296	0.0325076	1.56E-09	0.12348	0.0467086	0.00820223	0.02008234	7	0.31081905
ENSG00000183281	2	PLGLB1	87229682	rs181970253	2	87130278	G	C	0.0596421	0.051602	0.0202532	0.010839	-1.1604	0.136883	2.30E-17	-0.0444691	0.0182249	0.01468628	0.3111515	14	0.36922688
ENSG00000231259	2	AC125232.1	87257800	rs10205992	2	87279109	T	C	0.516899	0.00100886	0.00829855	0.903239	-0.917095	0.0757716	1.01E-33	-0.0011001	0.00904919	0.9032439	0.00798234	20	0.98658093
ENSG00000266931	2	RP11-1252D15.1	87282781	rs35104076	2	87326760	T	C	0.422465	0.011344	0.00811206	0.161988	-0.501958	0.0881666	1.25E-08	-0.0225995	0.0166412	0.1744493	0.00662302	6	0.69660051
ENSG00000222041	2	LINC00152	87754887	rs71238440	2	87835572	T	C	0.473161	-0.0064421	0.0084141	0.443899	0.684531	0.0762962	2.91E-19	-0.0094109	0.0123364	0.4455503	0.1127197	4	0.86418667
ENSG00000234231	2	AC093616.4	88000503	rs113331053	2	88024591	C	T	0.208748	0.00956015	0.0105311	0.363984	-0.540057	0.0937893	8.50E-09	-0.0177021	0.0197408	0.3698651	0.3842741	5	0.84052584
ENSG00000163586	2	FABP1	88422510	rs4246598	2	88438050	A	C	0.477137	0.011241	0.00832988	0.177183	-0.714502	0.0806178	7.80E-19	-0.0157326	0.0117927	0.1821701	0.5873775	9	0.69774631
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.10544	0.0930183	1.43E-32	0.0034912	0.00785353	0.6566531	0.7813569	20	0.92753488

ENSG00000223564	2	CYP4F32P	95425004	rs2001748	2	95423145	C	T	0.414513	-0.0227345	0.00859433	0.00816206	0.494441	0.0893948	3.18E-08	-0.0459802	0.0192676	0.01701421	0.8759877	5	0.38453234
ENSG00000144026	2	ZNF514	95813075	rs4854246	2	95837419	G	C	0.140159	-0.0026467	0.0125334	0.832752	-0.749336	0.119681	3.82E-10	0.0035321	0.0167355	0.832845	0.1357303	11	0.9781418
ENSG00000155066	2	PROM2	95940201	rs3772044	2	95966046	G	T	0.754473	0.0213124	0.00945154	0.024139	0.450611	0.0668983	1.63E-11	0.0472967	0.0221191	0.03249431	0.1598074	20	0.45862237
ENSG00000144021	2	CIAO1	96931870	rs62153039	2	96945712	T	C	0.32505	0.0166263	0.00952624	0.0809282	-0.279366	0.0421058	3.25E-11	-0.0595144	0.0352596	0.09143148	0.9123945	14	0.64948716
ENSG00000198885	2	ITPRIPL1	96991069	rs3821051	2	96912787	A	G	0.318091	-0.0155545	0.00807159	0.0539722	0.404385	0.0663761	1.11E-09	-0.0384646	0.0209349	0.06615925	0.8837598	13	0.59477339
ENSG00000144199	2	FAHD2B	97749320	rs1257094	2	97747978	T	C	0.762425	-0.0034167	0.0102635	0.739214	0.474617	0.0601743	3.09E-15	-0.0071988	0.0216441	0.7394369	0.2344982	20	0.94997803
ENSG00000135976	2	ANKRD36	97779233	rs2034403	2	98176612	C	A	0.748509	0.00664521	0.00994461	0.503991	0.307952	0.050738	1.28E-09	0.0215787	0.0324879	0.5065566	0.3927045	3	0.8740493
ENSG00000230606	2	AC159540.1	98081083	rs55772322	2	98280055	A	G	0.641153	-0.004049	0.00906028	0.654953	-0.876612	0.0840356	1.78E-25	0.00461887	0.010345	0.6552493	0.42994	20	0.92747464
ENSG00000196912	2	ANKRD36B	98108978	rs201946806	2	98204559	A	G	0.62326	0.00090798	0.00954193	0.92419	-0.457661	0.0681477	1.87E-11	-0.001984	0.0208514	0.9241978	0.5591985	6	0.99163855
ENSG00000115085	2	ZAP70	98330023	rs11893601	2	98314909	C	T	0.736581	0.00503934	0.00967693	0.602535	-0.564034	0.0922816	9.83E-10	-0.0089345	0.0172188	0.6038457	0.2402472	5	0.90516446
ENSG00000183513	2	COA5	99215773	rs6736755	2	99204428	T	C	0.271372	0.0177211	0.00983944	0.0716985	0.371623	0.047806	7.63E-15	0.0476857	0.0271783	0.07933596	0.3926056	8	0.62074989
ENSG00000135951	2	TSGA10	99613724	rs6753650	2	99706817	G	A	0.624254	0.00491378	0.00813393	0.545772	0.552955	0.0723232	2.08E-14	0.0088864	0.0147558	0.5470197	0.6992039	20	0.8868228
ENSG00000144182	2	LIPT1	99771418	rs2632260	2	99771590	T	G	0.632207	0.00050116	0.00815029	0.950969	0.347689	0.0597298	5.85E-09	0.00144141	0.0234426	0.9509714	0.6019176	5	0.99347767
ENSG00000144218	2	AFF3	100162323	rs4851250	2	100729293	C	T	0.17992	0.0118029	0.0110146	0.283914	0.622853	0.0587677	3.03E-26	0.0189497	0.0177743	0.2863634	0.2437677	20	0.79641232
ENSG00000115526	2	CHST10	101008327	rs3748930	2	101010082	C	G	0.499006	0.00541475	0.00804483	0.500901	0.271956	0.0446604	1.13E-09	0.0199104	0.0297615	0.5034969	0.6708409	15	0.8723864
ENSG00000163162	2	RNF149	101887681	rs1192799	2	101843276	A	G	0.427435	0.00351748	0.00844489	0.677029	-0.486866	0.0625695	7.18E-15	-0.0072247	0.0173702	0.677464	0.3893004	8	0.93372697
ENSG00000212283	2	SNORD89	101889398	rs13015768	2	101867170	G	C	0.432406	0.00362747	0.00806818	0.652998	0.798559	0.11045	4.83E-13	0.00454252	0.0101229	0.6536227	0.5506954	8	0.9271714
ENSG00000175874	2	CREG2	101962013	rs4405786	2	101992474	G	A	0.671968	0.00773068	0.00875635	0.377309	-0.124968	0.0220427	1.43E-08	-0.0618613	0.0709133	0.3830167	0.6934162	8	0.84640362
ENSG00000115602	2	IL1RL1	102927962	rs2110660	2	102918601	G	C	0.494036	0.0127759	0.00803259	0.111721	-0.574953	0.0550707	1.62E-25	-0.0222208	0.0141321	0.1158655	0.399498	20	0.66288056
ENSG00000115604	2	IL18R1	102927989	rs12712135	2	102930948	G	A	0.498012	0.01259	0.00802994	0.116909	-0.667856	0.05213	1.42E-37	-0.0188514	0.0121132	0.1196437	0.3564387	20	0.66369299
ENSG00000234177	2	AC068057.2	105363096	rs442203	2	105395302	C	T	0.642147	0.00166593	0.00897006	0.852663	-0.607824	0.0567636	9.34E-27	-0.0027408	0.0147599	0.8526853	0.3322759	14	0.98502986
ENSG00000224509	2	AC010884.1	105552869	rs10172135	2	105662912	C	A	0.468191	0.00046354	0.00811145	0.954428	0.524976	0.0907455	7.24E-09	0.00088298	0.0154518	0.9544304	0.2006244	7	0.99347767
ENSG00000119147	2	C2orf40	106679702	rs66989638	2	106689736	A	G	0.125249	0.0128267	0.010364	0.215856	-0.871907	0.11782	1.36E-13	-0.0147111	0.0120517	0.2222117	0.3418681	8	0.74274316
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.22263	0.100693	6.31E-34	0.00117641	0.00807425	0.8841594	0.1797501	17	0.98658093
ENSG00000198075	2	SULT1C4	108994367	rs563943466	2	109140745	A	G	0.0119284	-0.0100854	0.0317018	0.750383	-1.05761	0.173595	1.11E-09	0.00953603	0.0300158	0.7507121	0.7501029	13	0.95264532
ENSG00000175772	2	AC112229.7	111132715	rs336776	2	110786008	A	C	0.925447	-0.0024532	0.014221	0.863039	0.68444	0.112585	1.21E-09	-0.0035843	0.0207859	0.8630931	0.9628551	3	0.98554401
ENSG00000144152	2	FBLN7	112895962	rs13400421	2	112914329	A	G	0.389662	-0.0047799	0.00908549	0.598817	-0.241264	0.036657	4.65E-11	0.0198119	0.037778	0.5999788	0.0671887	9	0.90385749
ENSG00000169629	2	RGPD8	113127669	rs145713961	2	113117451	G	T	0.168986	0.00510244	0.0109226	0.640395	-1.12616	0.0934394	1.89E-33	-0.0045308	0.00970626	0.6406468	0.5792039	20	0.92308109
ENSG00000125630	2	POLR1B	113299492	rs200353609	2	113313835	C	A	0.083499	-0.0003823	0.0146081	0.979122	1.30299	0.115889	2.49E-29	-0.0002934	0.0112112	0.9791216	0.7441108	20	0.99550269
ENSG00000237753	2	AC079922.3	113399409	rs4849088	2	113399493	T	C	0.83002	-0.0138032	0.0119106	0.246496	-1.01331	0.0762694	2.79E-40	0.0136219	0.0117988	0.2482884	0.9195695	20	0.76274604
ENSG00000125637	2	PSD4	113914902	rs2241976	2	113943470	G	A	0.452286	-0.0135383	0.00815674	0.0969617	0.322794	0.0570658	1.54E-08	-0.041941	0.0263345	0.1112449	0.8643769	8	0.65086925
ENSG00000189223	2	AC016683.6	113969099	rs7589901	2	113993344	C	A	0.383698	-0.0087074	0.0081765	0.28691	-0.960132	0.110796	4.48E-18	0.00906892	0.00858008	0.2905234	0.5075688	20	0.79748937
ENSG00000125618	2	PAX8	113973574	rs7563094	2	113989327	C	T	0.392644	-0.0097043	0.00814004	0.233194	-0.925079	0.105658	2.03E-18	0.0104903	0.00888049	0.2374948	0.439655	20	0.75264543
ENSG00000184492	2	FOXD4L1	114256661	rs2748031	2	114256759	G	A	0.260437	-0.0095506	0.00977569	0.328584	-0.575099	0.0966543	2.68E-09	0.0166068	0.0172259	0.3350157	0.7596609	8	0.83123963
ENSG00000225398	2	RP11-395L14.5	114299514	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.869809	0.0843813	6.48E-25	0.0139065	0.0103769	0.1802014	0.2384103	20	0.69774631
ENSG00000226516	2	FAM138B	114334959	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.541021	0.0912127	3.00E-09	0.0223577	0.0169656	0.1875622	0.2591528	8	0.70253861
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.830272	0.058098	2.49E-46	-0.0149492	0.0108277	0.1673874	0.2884234	20	0.68829111
ENSG00000236397	2	DDX11L2	114356606	rs139955739	2	114336733	A	G	0.346918	0.0129897	0.00896377	0.147301	0.978625	0.0723969	1.23E-41	0.0132734	0.00921204	0.1496193	0.1714981	20	0.68107362
ENSG00000240356	2	RPL23AP7	114368079	rs144468477	2	114366384	T	A	0.345924	0.0147856	0.0091274	0.105251	0.895424	0.0768559	2.28E-31	0.0165124	0.0102914	0.1086085	0.2458091	20	0.65086925
ENSG00000115084	2	SLC35F5	114462588	rs7578249	2	114513386	T	C	0.54175	0.0100749	0.0081026	0.213715	-0.232593	0.0383361	1.30E-09	-0.0433156	0.03556	0.2231866	0.1445685	14	0.74274316
ENSG00000228857	2	AC104653.1	114588626	rs62171761	2	114595287	A	G	0.631213	0.0103211	0.00842129	0.22035	0.537945	0.0875543	8.04E-10	0.0191862	0.015963	0.2293956	0.1221319	13	0.74543747
ENSG00000235026	2	AC066593.1	115888512	rs12711818	2	115922821	A	G	0.640159	0.0167351	0.00842665	0.047036	-0.21201	0.0385036	3.67E-08	-0.0789354	0.0422527	0.06173783	0.1443732	3	0.57962384
ENSG00000236255	2	AC009404.2	118591513	rs17499330	2	118514931	T	C	0.149105	-0.0058719	0.0123921	0.63561	-0.734349	0.110668	3.23E-11	0.00799612	0.0169179	0.6364687	0.03316727	7	0.92139094
ENSG00000125633	2	CCDC93	118673054	rs7582655	2	118727358	A	G	0.350895	0.0159955	0.0093462	0.0870001	0.30423	0.0472177	1.17E-10	0.052577	0.0317861	0.09811	0.0489834	20	0.65086925
ENSG00000115109	2	EPB41L5	120770581	rs3891481	2	120955752	C	T	0.806163	0.0116278	0.00936694	0.214469	0.237453	0.0385288	7.14E-10	0.0489688	0.0402398	0.2236326	0.6635472	18	0.74274316
ENSG00000226479	2	TMEM185B	120978854	rs11550347	2	120980428	C	G	0.682903	0.0123065	0.0083671	0.14134	-0.309233	0.04766	8.68E-11	-0.0397969	0.0277441	0.1514507	0.1362329	4	0.68107362
ENSG00000144118	2	RALB	120997640	rs7587975	2	121022740	T	G	0.706759	0.0177818	0.0082333	0.0307929	-0.265471	0.0348154	2.44E-14	-0.0669821	0.032234	0.0377098	0.08620635	13	0.4779761
ENSG00000260634	2	RP11-521O16.1	127781828	rs72843888	2	127783846	G	T	0.317097	-0.0084213	0.00852553	0.323262	0.539143	0.093191	7.24E-09	-0.0156198	0.0160419	0.3302122	0.9082491	7	0.82863501
ENSG00000163161	2	ERCC3	128014866	rs11692990	2	128112190	T	C	0.252485	-0.0053265	0.00945126	0.573044	-0.314097	0.0456311	5.84E-12	0.0169581	0.0301909	0.5743245	0.9103367	15	0.89834695
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.45749	0.0911543	1.52E-57	-0.0075962	0.00625372	0.2244915	0.9758187	20	0.74274316
ENSG00000169994	2	MYO7B	128293378	rs6745343	2	128401742	G	A	0.104374	-0.0091756	0.0174783	0.599606	0.626726	0.11247	2.51E-08	-0.0146404	0.0280118	0.6012152	0.9552145	4	0.90385749
ENSG00000072163	2	LIMS2	128395956	rs62161993	2	128405642	T	C	0.0526839	0.0339023	0.0141216	0.0163621	0.494564	0.0864771	1.07E-08	0.0685499	0.0309674	0.02685547	0.02984353	8	0.43604346
ENSG00000144231	2	POLR2D	128603840	rs6721274	2	128616001	G	A	0.512922	-0.0053862	0.00807174	0.504589	-0.400827	0.0560603	8.68E-13	0.0134376	0.0202252	0.5064358	0.6392214	19	0.8740493
ENSG00000225449	2	AC079776.7	130724165	rs10928946	2	130733087	A	G	0.691849	-0.0152997	0.00826767	0.0642347	0.654658	0.0559247	1.19E-31	-0.0233705	0.0127858	0.06757252	0.4560857	20	0.59477339
ENSG00000222014	2	RAB6C	130737235	rs1882608	2	130695820	A	C	0.694831	-0.008326	0.00822806	0.311582	0.717119	0.067549	2.50E-26	-0.0116104	0.0115258	0.3137703	0.09566482	20	0.81435501
ENSG00000180178	2	AC018865.8	130748029	rs72988367	2	131453497	G	C	0.318091	-0.0183694	0.0107002	0.086028	0.90673	0.0990825	5.63E-20	-0.020259	0.0120067	0.09154544	0.5274271	13	0.64948716
ENSG00000152076	2	CCDC74B	130896860	rs28743163	2	130900188	G	A	0.355865	-0.0171435	0.00828515	0.0385292	-0.425185	0.0752092	1.57E-08	0.0403201	0.0207502	0.05200162	0.8882685	6	0.55150699
ENSG00000236595	2	MED15P5	131009141	rs10201769	2	131013743	T	C	0.450298	-0.0172846	0.00809835	0.0328148	0.602354	0.0890112	1.31E-11	-0.0286951	0.0140973	0.041801	0.553892	17	0.50700473
ENSG00000240253	2	AC140481.7	131447706	rs147881141	2	131214153	C	A	0.127237	0.00031944	0.0182695	0.98605	-0.574397	0.0982712	5.07E-09	-0.0005561	0.0318065	0.9860499	0.4876414	8	0.99595203
ENSG00000224425	2	AC073869.2	132109787	rs4850103	2	132103464	A	G	0.879722	-0.01151	0.0116648	0.323775	0.987551	0.102444	5.42E-22	-0.0116551	0.0118736	0.3262967	0.8362887	20	0.82449107
ENSG00000233087	2	AC073869.1	132118066	rs4110143	2	132117245	T	C	0.884692	-0.0121645	0.011679	0.29761	0.64491	0.102135	2.71E-10	-0.0188623	0.0183542	0.3040991	0.7493898	15	0.81037998
ENSG00000273073	2	RP11-109E12.1	132219394	rs2622026	2	132233740	A	C	0.0934394	0.025934	0.0171776	0.131104	1.15135	0.140232	2.21E-16	0.0225249	0.0151697	0.1375806	0.6047007	20	0.67926006
ENSG00000173272	2	MZT2A	132222473	rs2622026	2	132233740	A	C	0.0934394	0.025934	0.0171776	0.131104	-0.821938	0.0734875	4.84E-29	-0.0315523	0.0210884	0.1346047	0.7247098	20	0.67863926
ENSG00000152117	2	AC093838.4	132250386	rs374293949	2	132260297	A	G	0.194831	-0.0095517	0.00918408	0.298327	-1.10899	0.0699308	1.23E-56	0.00861297	0.00829927	0.2993638	0.9997665	20	0.80631721
ENSG00000163040	2	CCDC74A	132285248	rs7565546	2	132264958	A	G	0.324056	-0.003629	0.00860503	0.673225	-0.457678	0.0718957	1.94E-10	0.00792911	0.0188427	0.6738972	0.9779635	16	0.93372697
ENSG00000235615	2	AJ239322.1	132722304	rs9752245	2	132790220	T	C	0.364811	0.012734	0.00876546	0.146293	0.789624	0.083895	4.87E-21	0.0161267	0.0112323	0.1510747	0.4897056	14	0.68107362
ENSG00000236485	2	RP1-156L9.1	132741510	rs11688292	2	132783193	A	G	0.363817	0.00931605	0.00870569	0.284569	0.90628	0.086265	8.13E-26	0.0102794	0.00965566	0.2870561	0.1963509	8	0.79641232
ENSG00000227745	2	AC098826.5	132890429	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.31862	0.119926	4.03E-28	0.00645524	0.0156133	0.6792799	0.7436458	20	0.93372697
ENSG00000163046	2	ANKRD30BL	132905164	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.32152	0.124655	2.93E-26	0.00644108	0.0155798	0.6792961	0.7262999	20	0.93372697
ENSG00000082258	2	CCNT2	135675805	rs12617286	2	135701489	C	T	0.329026	-0.0193702	0.00895657	0.0305654	0.275457	0.043697	2.90E-10	-0.0703202	0.0343756	0.04079166	0.430461	20	0.49936457
ENSG00000168702	2	LRP1B	140988992	rs1882163	2	142924055	T	C	0.410537	0.00973895	0.00825761	0.238242	-0.299044	0.0534263	2.18E-08	-0.0325669	0.0282197	0.2484793	0.4470823	11	0.76274604
ENSG00000123610	2	TNFAIP6	152214106	rs62169365	2	152235324	C	A	0.302187	-0.0028112	0.00927746	0.761877	0.503726	0.0863537	5.43E-09	-0.0055809	0.0184425	0.7621877	0.4232558	7	0.9549947
ENSG00000080345	2	RIF1	152266397	rs5024580	2	152265280	C	G	0.309145	0.0136152	0.0084788	0.108321	-0.400113	0.0483369	1.26E-16	-0.0340284	0.0215861	0.1149326	0.7159666	16	0.66134796
ENSG00000162989	2	KCNJ3	155554811	rs977869	2	155757249	A	G	0.498012	-0.0316587	0.00805354	8.46E-05	-0.234201	0.0300388	6.36E-15	0.135177	0.0385109	0.00044793	0.0818166	19	0.19443108
ENSG00000196151	2	WDSUB1	160092304	rs12478479	2	160128600	C	G	0.350895	0.0126465	0.008183	0.122235	-0.689961	0.0756699	7.65E-20	-0.0183293	0.0120292	0.1275767	0.708017	16	0.6660315
ENSG00000226266	2	AC009961.3	160527219	rs60278928	2	160394229	T	A	0.0954274	0.00715237	0.0120867	0.554016	0.983351	0.159422	6.91E-10	0.00727347	0.0123478	0.5558271	0.1123876	6	0.89043924
ENSG00000054219	2	LY75	160628362	rs72957586	2	160762687	A	G	0.537773	0.0071658	0.00829354	0.387576	0.369124	0.0558227	3.78E-11	0.019413	0.0226592	0.3915891	0.01341672	18	0.84859336
ENSG00000082438	2	COBLL1	165510134	rs7601375	2	165604279	C	T	0.576541	0.00060153	0.00807791	0.94064	0.236273	0.0418619	1.66E-08	0.00254589	0.0341919	0.9406452	0.9121612	4	0.99347767
ENSG00000115339	2	GALNT3	166604101	rs12477613	2	166717184	C	G	0.44334	-0.0144748	0.00811051	0.0743105	0.517857	0.0734811	1.82E-12	-0.0279513	0.0161561	0.08361534	0.2350821	13	0.63149811
ENSG00000144285	2	SCN1A	166845670	rs10497276	2	166857000	A	C	0.152087	-0.0099401	0.00984893	0.312853	-0.290021	0.0421818	6.18E-12	0.0342737	0.0343233	0.3180108	0.5467803	10	0.81665079
ENSG00000169432	2	SCN9A	167051695	rs16851931	2	167196499	A	G	0.194831	-0.0059693	0.0107958	0.580313	0.500592	0.0785586	1.86E-10	-0.0119245	0.0216471	0.5817297	0.12699	5	0.89957103
ENSG00000138399	2	FASTKD1	170386259	rs2353192	2	170430388	C	G	0.130219	0.0063914	0.0106457	0.548256	0.441266	0.0635745	3.90E-12	0.0144842	0.0242154	0.5497462	0.05695403	20	0.88759986
ENSG00000144362	2	PHOSPHO2	170550975	rs9287916	2	170449075	A	G	0.715706	0.0341007	0.0095742	0.00036843	0.545368	0.0879105	5.52E-10	0.0625279	0.0202431	0.00200938	0.8840762	16	0.21506107
ENSG00000213981	2	AC007277.3	171475138	rs6433248	2	171639546	C	T	0.289264	-0.0060626	0.00875212	0.4885	0.540376	0.097399	2.89E-08	-0.0112192	0.0163221	0.4918562	0.9650615	3	0.86806745
ENSG00000222033	2	AC007405.2	171568961	rs6433238	2	171589253	A	G	0.291252	-0.0062336	0.00870703	0.474039	0.480364	0.0849433	1.56E-08	-0.0129767	0.0182706	0.4775468	0.1108499	6	0.86418667
ENSG00000239467	2	AC007405.6	171627623	rs10930438	2	171606871	G	A	0.295229	-0.0066199	0.00869141	0.446261	0.459583	0.0635661	4.83E-13	-0.0144042	0.0190162	0.4487679	0.04603444	10	0.86418667
ENSG00000071967	2	CYBRD1	172378757	rs72885911	2	172415450	G	A	0.242545	0.0106546	0.0102477	0.298477	-0.277016	0.0422732	5.64E-11	-0.038462	0.0374559	0.3044854	0.9824451	16	0.81037998
ENSG00000115840	2	SLC25A12	172640880	rs7355523	2	172744421	C	T	0.27336	0.0257347	0.00997714	0.00989806	0.253578	0.0393043	1.11E-10	0.101486	0.0423734	0.01661819	0.4638945	18	0.38427
ENSG00000172878	2	METAP1D	172864490	rs62183807	2	172877480	G	A	0.309145	-0.0123283	0.00864026	0.153625	0.372719	0.0569518	5.97E-11	-0.0330767	0.0237263	0.163289	0.573942	17	0.68549033
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs13000099	2	173604663	A	G	0.131213	0.0241668	0.0106475	0.0232247	0.824968	0.0848155	2.32E-22	0.0292942	0.0132533	0.02708198	0.05058176	14	0.43604346
ENSG00000138430	2	OLA1	174937175	rs6433462	2	174957262	C	T	0.427435	-0.0105434	0.00818325	0.197602	0.135108	0.0226931	2.62E-09	-0.0780368	0.0619702	0.2079353	0.8581851	5	0.73069947
ENSG00000115935	2	WIPF1	175424300	rs3205060	2	175425346	T	C	0.525845	0.0141687	0.0081795	0.0832339	-0.231083	0.0369934	4.19E-10	-0.0613143	0.0367321	0.09507207	0.3073304	11	0.65086925
ENSG00000154518	2	ATP5G3	176040986	rs268230	2	176046862	A	C	0.797217	-0.0173684	0.0118973	0.144327	-0.252322	0.0400198	2.88E-10	0.0688343	0.0483987	0.1549584	0.1094734	8	0.68522247
ENSG00000272551	2	RP11-324L17.1	177476165	rs56155737	2	177493377	A	G	0.0815109	0.0114223	0.0171758	0.506037	1.76904	0.19916	6.54E-19	0.00645678	0.00973628	0.5072237	0.215653	10	0.87439484
ENSG00000163364	2	AC017048.3	177494317	rs56155737	2	177493377	A	G	0.0815109	0.0114223	0.0171758	0.506037	1.62712	0.180704	2.17E-19	0.00701995	0.0105847	0.5071919	0.3158438	6	0.87439484
ENSG00000163002	2	NUP35	183982241	rs11904060	2	184021780	G	A	0.0984095	-0.0184204	0.011322	0.103746	-0.632488	0.106497	2.87E-09	0.0291237	0.0185603	0.1166146	0.6031467	5	0.66288056
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.23425	0.0791976	9.29E-55	0.00935661	0.00667215	0.160814	0.2422326	20	0.68549033
ENSG00000138448	2	ITGAV	187454792	rs1869031	2	187398616	A	G	0.252485	-0.0066242	0.00944261	0.48298	0.219317	0.0385956	1.33E-08	-0.0302036	0.0433815	0.4862833	0.3338298	7	0.86806745
ENSG00000115368	2	WDR75	190306159	rs80140954	2	190325685	A	G	0.0377734	0.00299163	0.020245	0.882523	-0.777804	0.106452	2.74E-13	-0.0038463	0.0260337	0.8825471	0.6651788	8	0.98658093
ENSG00000138449	2	SLC40A1	190425305	rs11568351	2	190445194	C	G	0.22664	0.0101851	0.00942839	0.280026	0.305968	0.0517217	3.31E-09	0.0332881	0.0313245	0.2879246	0.8972223	18	0.79641232
ENSG00000138381	2	ASNSD1	190526111	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	0.56768	0.0462444	1.22E-34	0.0357281	0.0157626	0.02341284	0.01948161	20	0.42363658
ENSG00000253559	2	OSGEPL1-AS1	190627430	rs5743061	2	190694266	T	G	0.229622	-0.022464	0.00928827	0.015583	-0.716885	0.102307	2.43E-12	0.0313356	0.0137065	0.02224315	0.1364114	18	0.4166142
ENSG00000273240	2	RP11-455J20.3	190628585	rs1234834	2	190676895	C	T	0.270378	-0.0191581	0.00877951	0.0290998	-0.814446	0.0911612	4.10E-19	0.0235229	0.0110966	0.034021	0.04076833	20	0.46036171
ENSG00000128699	2	ORMDL1	190635049	rs10207346	2	190577964	A	G	0.729622	0.0192369	0.00877443	0.0283518	-0.442521	0.0631908	2.51E-12	-0.0434712	0.0207773	0.03641642	0.05228919	9	0.4769787
ENSG00000198130	2	HIBCH	191054461	rs291430	2	191198727	C	A	0.604374	-0.0098351	0.00831076	0.236644	0.562932	0.0530035	2.39E-26	-0.0174712	0.0148547	0.2395394	0.0690679	16	0.75649413
ENSG00000151689	2	INPP1	191208196	rs2016037	2	191217257	G	A	0.767396	0.00644399	0.0113704	0.570896	-0.528964	0.0597309	8.31E-19	-0.0121823	0.0215396	0.5716815	0.00046716	20	0.89834695
ENSG00000234919	2	AC064834.3	196434352	rs114717357	2	196439100	T	C	0.0328032	0.0162849	0.0253582	0.520746	1.70942	0.24451	2.73E-12	0.00952656	0.0148968	0.5224962	0.04648545	4	0.88205082
ENSG00000196950	2	SLC39A10	196440701	rs186895	2	196766509	T	C	0.215706	-0.0036048	0.00996936	0.717664	-0.250985	0.0396358	2.42E-10	0.0143624	0.0397856	0.7181033	0.1167422	19	0.94509525
ENSG00000118997	2	DNAH7	196602427	rs10931722	2	196997203	C	T	0.611332	0.0159443	0.0082568	0.0534774	-0.355062	0.0527633	1.70E-11	-0.0449057	0.024193	0.06343367	0.05974474	20	0.58240816
ENSG00000236653	2	AC005235.1	199164087	rs980469	2	199119935	G	A	0.870775	0.00219439	0.0165951	0.894801	0.539948	0.0977498	3.32E-08	0.00406408	0.0307434	0.8948314	0.265061	5	0.98658093
ENSG00000213938	2	SEPHS1P6	200524274	rs11687699	2	200626678	A	G	0.66004	0.00644104	0.00947927	0.496829	0.485479	0.068376	1.25E-12	0.0132674	0.0196148	0.4987889	0.1075399	19	0.86872655
ENSG00000226124	2	FTCDNL1	200625267	rs2346585	2	200625156	G	C	0.687873	0.00904482	0.00988154	0.360021	-0.773251	0.0800517	4.48E-22	-0.0116971	0.0128365	0.3621674	0.05144659	20	0.840274
ENSG00000162971	2	TYW5	200794698	rs7592587	2	200786516	C	G	0.645129	-0.0247796	0.00828485	0.00278112	0.395222	0.0622397	2.15E-10	-0.0626979	0.0231715	0.00681352	0.4942691	10	0.30017552
ENSG00000240344	2	PPIL3	201735630	rs7559150	2	201754063	C	T	0.263419	0.00811619	0.00936911	0.386341	-1.04496	0.0836322	7.98E-36	-0.007767	0.00898752	0.3874799	0.4067784	20	0.84859336
ENSG00000064012	2	CASP8	202098166	rs2080303	2	202165206	C	T	0.7167	-0.0023139	0.00859682	0.787811	-0.864029	0.081767	4.24E-26	0.00267799	0.00995292	0.7878791	0.4378671	20	0.96301985
ENSG00000155749	2	ALS2CR12	202152994	rs10804112	2	202184165	T	C	0.614314	-0.0004754	0.00827255	0.954171	-0.734079	0.0690206	2.03E-26	0.00064764	0.0112695	0.9541717	0.33751	20	0.99347767
ENSG00000273456	2	RP11-686O6.2	203239655	rs12467409	2	203394348	T	G	0.141153	0.00062449	0.0122191	0.95924	0.814121	0.109464	1.03E-13	0.00076707	0.0150093	0.9592409	0.8673366	15	0.99347767
ENSG00000163596	2	ICA1L	203640690	rs72936353	2	204070956	G	A	0.130219	-0.0187807	0.0127612	0.1411	-0.270586	0.0495854	4.84E-08	0.0694075	0.0488464	0.1553356	0.6059923	3	0.68537946
ENSG00000023228	2	NDUFS1	206979541	rs6435330	2	207010558	T	G	0.482107	5.39E-05	0.00805822	0.994662	-0.301187	0.0389294	1.02E-14	-0.000179	0.0267549	0.9946615	0.2342436	17	0.99759089
ENSG00000138400	2	MDH1B	207602487	rs3828294	2	207629904	A	G	0.259443	0.00646004	0.00857921	0.451458	0.856873	0.0738917	4.30E-31	0.00753909	0.0100333	0.4524088	0.4163305	20	0.86418667
ENSG00000188674	2	C2orf80	209030067	rs62194829	2	209032161	A	G	0.298211	0.00042298	0.00845878	0.960119	0.360377	0.0406365	7.43E-19	0.00117371	0.0234724	0.9601193	0.1386223	13	0.99347767
ENSG00000115365	2	LANCL1	211295973	rs3856342	2	211335599	C	A	0.365805	-0.003598	0.00821461	0.661389	-0.15638	0.0285579	4.35E-08	0.0230079	0.0526976	0.6624	0.7466152	12	0.93065748
ENSG00000021826	2	CPS1	211342406	rs2370948	2	211331248	C	T	0.451292	-0.0022123	0.00810366	0.784856	0.355019	0.062853	1.62E-08	-0.0062314	0.0228526	0.7851016	0.6372812	7	0.96268105
ENSG00000138376	2	BARD1	215590370	rs17489363	2	215674341	G	A	0.740557	0.00141295	0.00980199	0.885382	0.408613	0.0549146	1.00E-13	0.00345792	0.0239929	0.8854039	0.3800026	15	0.98658093
ENSG00000138363	2	ATIC	216176540	rs28366034	2	216176780	T	C	0.140159	0.009994	0.0116167	0.389615	0.725488	0.100182	4.43E-13	0.0137756	0.0161249	0.3929356	0.0956238	8	0.8487255
ENSG00000079246	2	XRCC5	216972187	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	-1.27584	0.136599	9.63E-21	0.00571315	0.0158068	0.7177743	0.8814775	7	0.94509525
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	1.11517	0.108223	6.74E-25	-0.0065363	0.0180818	0.7177383	0.7645498	13	0.94509525
ENSG00000261338	2	RP11-378A13.1	219120042	rs12999734	2	219121528	G	A	0.587475	-0.0025925	0.00858517	0.762669	1.01934	0.0632766	2.20E-58	-0.0025434	0.00842376	0.7627086	0.2249477	20	0.9549947
ENSG00000144580	2	RQCD1	219433303	rs1344642	2	219555262	A	G	0.423459	0.0190245	0.00809998	0.0188382	0.312498	0.0571438	4.54E-08	0.0608788	0.0282096	0.03092103	0.7538238	4	0.45411895
ENSG00000115556	2	PLCD4	219472488	rs6723798	2	219504516	C	T	0.624254	-0.0189592	0.0082419	0.0214284	0.437616	0.0751315	5.72E-09	-0.0433238	0.0202492	0.03239242	0.3455192	6	0.45862237
ENSG00000182698	2	RESP18	220192131	rs6436142	2	220200459	G	T	0.276342	0.0101502	0.010797	0.347171	-1.03885	0.0925438	3.06E-29	-0.0097706	0.0104296	0.3488537	0.3005583	20	0.83823346
ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.790459	0.077726	2.70E-24	0.00893895	0.0112141	0.4253846	0.7303067	10	0.86418667
ENSG00000144468	2	RHBDD1	227700297	rs12615988	2	227769000	G	A	0.403579	-0.0003392	0.00805705	0.966423	-0.222798	0.0390115	1.12E-08	0.00152228	0.036164	0.966424	0.5590503	3	0.99444636
ENSG00000168958	2	MFF	228189867	rs4438464	2	228232211	G	A	0.214712	0.00177547	0.00903344	0.844184	-0.470961	0.0580807	5.11E-16	-0.0037699	0.0191865	0.8442294	0.9214756	20	0.98207023
ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-1.89724	0.213595	6.54E-19	-0.0004575	0.00900576	0.9594844	0.9287539	4	0.99347767
ENSG00000135899	2	SP110	231032009	rs2114585	2	231039341	T	C	0.107356	0.00463291	0.0139348	0.739535	0.384148	0.0619172	5.50E-10	0.0120602	0.0363266	0.7398937	0.9937641	5	0.94997803
ENSG00000135898	2	GPR55	231772033	rs747882	2	231807181	A	G	0.232604	-0.0034189	0.00894809	0.702404	-0.681161	0.0728322	8.56E-21	0.00501917	0.0131475	0.7026404	0.7891074	20	0.94255443
ENSG00000224376	2	AC017104.6	232253687	rs58092703	2	232236439	G	A	0.0695825	-0.0238387	0.0189881	0.209314	-0.945465	0.12721	1.07E-13	0.0252137	0.0203679	0.2157465	0.3282246	11	0.7394203
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-0.843359	0.103809	4.51E-16	-0.0151933	0.0109361	0.1647461	0.01920134	15	0.68549033
ENSG00000237412	2	PRSS56	233385173	rs2853447	2	233389918	G	A	0.666004	0.0160841	0.00888371	0.0702166	-0.555734	0.0666488	7.54E-17	-0.0289421	0.016358	0.07684582	0.7961462	18	0.61409544
ENSG00000182600	2	C2orf82	233721980	rs812383	2	233737132	A	C	0.626243	-0.014024	0.00882846	0.112174	0.591353	0.0565052	1.24E-25	-0.0237151	0.0151003	0.1162963	0.1447605	20	0.66288056
ENSG00000085982	2	USP40	234384166	rs1542325	2	234456752	G	C	0.757455	-0.0190665	0.00927836	0.0398841	-0.289959	0.0443775	6.41E-11	0.0657558	0.0335441	0.04996306	0.1562699	16	0.54407448
ENSG00000235529	2	AGAP1-IT1	236414395	rs6709622	2	236414877	A	G	0.700795	-0.0066721	0.00884369	0.450582	-0.59404	0.103789	1.04E-08	0.0112317	0.0150161	0.4544751	0.4228044	5	0.86418667
ENSG00000132321	2	IQCA1	237232794	rs79357137	2	237424922	G	A	0.0149105	0.0212931	0.0736321	0.772442	-1.17256	0.200998	5.42E-09	-0.0181595	0.0628731	0.7727133	0.5356786	3	0.95815426
ENSG00000124839	2	RAB17	238482965	rs57423896	2	238499319	C	T	0.346918	0.00015599	0.00855804	0.985458	0.709709	0.0782413	1.18E-19	0.00021979	0.0120585	0.9854575	0.2238663	20	0.99595203
ENSG00000132330	2	SCLY	238969530	rs2249540	2	238974913	T	C	0.78827	0.0064852	0.0108355	0.549498	-0.618273	0.071026	3.18E-18	-0.0104892	0.0175668	0.5504377	0.2738991	17	0.8876193
ENSG00000144488	2	ESPNL	239008798	rs3816348	2	239008067	A	G	0.0596421	-0.0034875	0.0175611	0.842583	0.897417	0.150955	2.77E-09	-0.0038861	0.0195794	0.8426696	0.5576623	9	0.98207023
ENSG00000144485	2	HES6	239146908	rs74605005	2	239140062	T	C	0.33499	-0.004182	0.00884395	0.636306	0.371253	0.0584228	2.09E-10	-0.0112647	0.0238878	0.6372364	0.4067299	5	0.92201142
ENSG00000130414	2	NDUFA10	240831867	rs10187574	2	240969312	G	A	0.350895	0.00347243	0.00846234	0.681557	0.365236	0.0469949	7.74E-15	0.00950736	0.0232018	0.6819758	0.7217831	20	0.93430005
ENSG00000063660	2	GPC1	241375088	rs71428439	2	241395500	G	A	0.127237	0.0162637	0.0117018	0.164577	-0.336585	0.0543531	5.92E-10	-0.0483197	0.0356311	0.1750641	0.7676796	4	0.69660051
ENSG00000144504	2	ANKMY1	241418839	rs7607949	2	241467664	T	C	0.166004	0.00379265	0.00968459	0.695341	-0.673292	0.0749931	2.76E-19	-0.005633	0.0143976	0.6956162	0.451934	8	0.94090446
ENSG00000219159	2	AC011298.2	241625751	rs79105947	2	241603393	A	G	0.0318091	0.00032954	0.0203544	0.987083	1.64114	0.22857	6.97E-13	0.0002008	0.0124026	0.9870826	0.688682	8	0.99595203

ENSG00000122085	2	MTERFD2	242011584	rs733997	2	242052632	T	C	0.167992	0.00203708	0.0106323	0.848061	-0.729318	0.0749451	2.22E-22	-0.0027931	0.0145812	0.8480897	0.5999153	8	0.98266131
ENSG00000115687	2	PASK	242045514	rs2268897	2	242108235	G	A	0.0854871	0.0240267	0.0148355	0.10533	0.527049	0.0805266	5.95E-11	0.0455872	0.0289972	0.1159214	0.8621333	9	0.66288056
ENSG00000146205	2	ANO7	242127924	rs111770284	2	242157087	T	C	0.168986	-0.0247231	0.011887	0.0375396	1.01599	0.110178	2.93E-20	-0.024334	0.0119938	0.04247069	0.8156741	20	0.50939963
ENSG00000115677	2	HDLBP	242166679	rs73004362	2	242365353	T	A	0.195825	0.0123153	0.00923863	0.182524	-0.283826	0.0517587	4.17E-08	-0.0433903	0.0334983	0.1952168	0.09753304	13	0.71275062
ENSG00000168385	2	2-Sep	242254515	rs115271170	2	242347614	T	C	0.0974155	0.00844605	0.0150171	0.573824	0.523022	0.0507801	7.06E-25	0.0161486	0.028755	0.5743939	0.1993026	20	0.89834695
ENSG00000006607	2	FARP2	242295658	rs4675955	2	242389865	T	G	0.782306	-0.0025635	0.009459	0.786383	0.573615	0.068475	5.43E-17	-0.004469	0.0164988	0.7864918	0.2498696	19	0.96301985
ENSG00000168393	2	DTYMK	242615157	rs7943	2	242613089	G	A	0.644135	-0.0034633	0.00839241	0.679853	-0.336067	0.0554375	1.34E-09	0.0103052	0.0250302	0.6805507	0.9083538	9	0.93372697
ENSG00000180902	2	D2HGDH	242673994	rs6756901	2	242707101	G	A	0.512922	0.00790634	0.00811217	0.329745	-0.726598	0.0639261	6.16E-30	-0.0108813	0.0112056	0.3315166	0.8699229	20	0.82926226
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.17287	0.0805072	4.46E-48	0.0149988	0.00789214	0.05737176	0.4320629	20	0.56431793
ENSG00000237940	2	AC093642.3	242912834	rs77268046	2	242877607	T	C	0.11829	0.0157848	0.0149394	0.290699	-0.65883	0.10167	9.17E-11	-0.0239588	0.0229751	0.2970328	0.2997246	13	0.80280294
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	0.891387	0.0782247	4.42E-30	0.0164289	0.00997832	0.09966931	0.180388	20	0.65086925
ENSG00000224318	3	CHL1-AS2	237441	rs76556748	3	238321	G	C	0.116302	0.0109572	0.0153396	0.475037	0.684827	0.120555	1.34E-08	0.016	0.0225756	0.4784939	0.2276308	7	0.86418667
ENSG00000144455	3	SUMF1	3742498	rs10494172	3	4410619	C	G	0.511928	0.00105614	0.00807196	0.895902	-0.671923	0.0742352	1.41E-19	-0.0015718	0.0120145	0.8959122	0.6814356	13	0.98658093
ENSG00000180914	3	OXTR	8792094	rs968389	3	8811163	G	A	0.468191	-7.81E-05	0.00813508	0.992343	0.498576	0.0664879	6.44E-14	-0.0001566	0.0163166	0.9923427	0.3081928	15	0.99608599
ENSG00000134077	3	THUMPD3	9404526	rs11547584	3	9406704	A	G	0.148111	-0.0152912	0.0120535	0.204579	-0.667286	0.0754968	9.69E-19	0.0229155	0.0182486	0.2092096	0.4909837	20	0.73192759
ENSG00000214021	3	TTLL3	9849770	rs4686376	3	9866064	G	C	0.899602	0.00135669	0.0166625	0.935107	0.344999	0.0607774	1.38E-08	0.00393245	0.0483022	0.9351132	0.2282807	4	0.99347767
ENSG00000156990	3	RPUSD3	9879533	rs2290306	3	9885615	C	G	0.05666	0.00311167	0.0184157	0.865822	-0.791369	0.0794471	2.26E-23	-0.003932	0.023274	0.8658407	0.5187856	4	0.98554401
ENSG00000163702	3	IL17RC	9958758	rs432815	3	9949659	A	T	0.554672	-0.0030565	0.00817245	0.708401	0.34872	0.0410563	2.00E-17	-0.008765	0.0234583	0.7086697	0.7170863	14	0.94335125
ENSG00000157017	3	GHRL	10327359	rs164938	3	10315103	T	G	0.408549	0.00641782	0.00820883	0.43432	0.482615	0.085608	1.73E-08	0.013298	0.0171719	0.4386898	0.5564088	9	0.86418667
ENSG00000240288	3	GHRLOS	10327438	rs168529	3	10314153	G	A	0.514911	0.00796764	0.00808686	0.324497	0.600653	0.080517	8.66E-14	0.013265	0.0135804	0.3286804	0.3982764	20	0.82688837
ENSG00000144559	3	TAMM41	11831916	rs9876026	3	11849807	C	A	0.419483	-0.0071937	0.00808536	0.373619	-0.746184	0.0789308	3.27E-21	0.00964061	0.0108835	0.3757247	0.6617473	20	0.84532416
ENSG00000075975	3	MKRN2	12598513	rs79185322	3	12581266	A	C	0.0795229	-0.0086041	0.0166138	0.604539	0.830505	0.121306	7.58E-12	-0.01036	0.0200616	0.6055678	0.6957586	15	0.90555682
ENSG00000233121	3	VN1R20P	13968310	rs6775584	3	13925728	C	G	0.678926	0.00525626	0.00848187	0.535451	0.584028	0.0737352	2.36E-15	0.00900001	0.0145674	0.5366958	0.4971228	15	0.88585906
ENSG00000163528	3	CHCHD4	14153580	rs2470353	3	14190268	C	G	0.462227	-0.0029507	0.00806738	0.714547	-0.230983	0.0411552	1.99E-08	0.0127745	0.0350004	0.7151243	0.4542373	3	0.94509525
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.916253	0.0731191	5.05E-36	0.00534384	0.00895969	0.5508871	0.6544344	15	0.88796174
ENSG00000206562	3	METTL6	15422782	rs6766086	3	15410365	G	A	0.154076	-0.0068425	0.0125958	0.586969	-0.515614	0.0877024	4.12E-09	0.0132705	0.0245328	0.5885569	0.3046473	9	0.90020885
ENSG00000224728	3	AC090945.1	15919554	rs2255248	3	15754849	T	C	0.604374	0.0087247	0.00827542	0.291749	-0.441704	0.0806859	4.39E-08	-0.0197524	0.0190795	0.3005443	0.7754038	9	0.80705301
ENSG00000271964	3	RP11-415F23.2	16355946	rs690216	3	16364919	C	A	0.562624	0.0105158	0.00821611	0.20058	-0.48819	0.0869683	1.98E-08	-0.0215404	0.0172617	0.2120771	0.1000322	8	0.73429563
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	1.14581	0.0728942	1.12E-55	-0.0005556	0.00727264	0.9391071	0.00034893	20	0.99347767
ENSG00000163491	3	NEK10	27151576	rs113737307	3	27405998	T	C	0.271372	0.0282314	0.00899809	0.00170404	0.261077	0.0448685	5.93E-09	0.108134	0.0391563	0.00575175	0.5564039	14	0.30017552
ENSG00000187118	3	CMC1	28283075	rs148428866	3	28294701	T	C	0.0149105	-0.0948876	0.0422266	0.0246337	-1.41714	0.235894	1.88E-09	0.0669571	0.0318133	0.03531851	0.1341434	3	0.47033241
ENSG00000152642	3	GPD1L	32147181	rs77308668	3	32208352	T	C	0.082505	-0.0084025	0.0180739	0.642007	0.342325	0.0608975	1.89E-08	-0.0245453	0.0529777	0.6431397	0.8448053	3	0.92308109
ENSG00000223899	3	SEC13P1	33075355	rs6780220	3	33087200	C	A	0.133201	9.51E-05	0.010297	0.992629	0.640418	0.116595	3.96E-08	0.00014853	0.0160786	0.9926292	0.3931535	4	0.99608599
ENSG00000093167	3	LRRFIP2	37094117	rs6775008	3	37179031	G	A	0.43837	-0.0060937	0.00833725	0.464839	0.223994	0.0377035	2.83E-09	-0.0272048	0.0375015	0.4681869	0.93016	12	0.86418667
ENSG00000236411	3	NDUFAF4P3	37831412	rs2685111	3	37826174	G	A	0.132207	0.00539463	0.0122473	0.659594	0.790323	0.135641	5.66E-09	0.00682585	0.0155408	0.6605009	0.5069557	4	0.93037449
ENSG00000136059	3	VILL	38029550	rs9311173	3	38045528	A	G	0.187873	0.00569744	0.0110647	0.606608	-0.735577	0.0658832	6.06E-29	-0.0077455	0.0150582	0.6069908	0.4243177	8	0.90555682
ENSG00000144671	3	SLC22A14	38323785	rs73064822	3	38355225	A	G	0.185885	-0.0208645	0.0108867	0.0552993	0.674755	0.085126	2.25E-15	-0.0309216	0.0165992	0.06248536	0.6971192	7	0.58095357
ENSG00000157036	3	EXOG	38537618	rs1073506	3	38566235	T	G	0.387674	0.0130314	0.00816288	0.110396	0.417551	0.0669983	4.60E-10	0.0312091	0.0201806	0.121986	0.1633371	12	0.66369299
ENSG00000168026	3	TTC21A	39149152	rs28362642	3	39149503	G	A	0.11829	0.00284643	0.0155068	0.854359	0.661635	0.0902391	2.27E-13	0.00430212	0.0234444	0.8544037	0.5033278	13	0.98502986
ENSG00000168028	3	RPSA	39448180	rs1803893	3	39449137	C	T	0.496024	-0.0020146	0.00812032	0.804067	-0.239641	0.0438647	4.68E-08	0.00840653	0.0339203	0.8042643	0.5804932	7	0.96661161
ENSG00000168032	3	ENTPD3	40428647	rs112418236	3	40483027	G	A	0.300199	-0.0091132	0.00835001	0.275095	-0.312749	0.0413954	4.18E-14	0.0291392	0.0269759	0.2800567	0.216774	20	0.79003956
ENSG00000168038	3	ULK4	41288090	rs2371627	3	41839219	G	A	0.189861	0.00534326	0.0100185	0.593798	1.16123	0.0964423	2.17E-33	0.00460138	0.00863595	0.5941603	0.3221719	6	0.90254426
ENSG00000093183	3	SEC22C	42589461	rs58825152	3	42586686	T	C	0.110338	0.00329198	0.0133122	0.804683	0.638425	0.0819849	6.86E-15	0.00515641	0.0208621	0.8047799	0.6260311	13	0.96661161
ENSG00000114857	3	NKTR	42642106	rs339727	3	42693126	C	A	0.347913	0.0149313	0.008552	0.0808221	-0.220675	0.0314252	2.18E-12	-0.0676619	0.0399337	0.09019737	0.6150312	10	0.64948716
ENSG00000230084	3	RP4-613B23.1	42643455	rs34801786	3	42630979	G	A	0.140159	0.00259997	0.0127013	0.837806	0.873329	0.0907967	6.68E-22	0.00297708	0.0145468	0.8378419	0.3330942	15	0.98018606
ENSG00000010282	3	HHATL	42734155	rs34549959	3	42753753	C	T	0.459245	-0.0112678	0.00807402	0.162846	-0.266441	0.0454038	4.40E-09	0.04229	0.0311484	0.1745597	0.3192719	5	0.69660051
ENSG00000244607	3	CCDC13	42734155	rs35488977	3	42832585	G	T	0.200795	-0.0059626	0.0119701	0.618395	0.59854	0.0943958	2.29E-10	-0.0099619	0.0200604	0.6194756	0.3798007	3	0.91360457
ENSG00000181061	3	HIGD1A	42798669	rs73077238	3	42858666	C	T	0.214712	0.0276072	0.00915174	0.00255623	-0.482798	0.0495972	2.15E-22	-0.0571817	0.019845	0.00395885	0.7782625	14	0.27595415
ENSG00000144648	3	ACKR2	42846244	rs2240861	3	42750324	A	G	0.267396	-0.0100194	0.00856934	0.242318	-0.499533	0.0895578	2.44E-08	0.0200575	0.0175275	0.2524812	0.2850035	5	0.76630512
ENSG00000144647	3	POMGNT2	43120724	rs1949585	3	43146116	T	A	0.466203	-0.0019268	0.008266	0.815681	0.299275	0.040128	8.78E-14	-0.0064384	0.0276336	0.8157688	0.1494214	9	0.97213764
ENSG00000144792	3	ZNF660	44619715	rs939649	3	44632212	T	G	0.899602	0.00131379	0.0142605	0.926596	-0.871662	0.08844	6.46E-23	-0.0015072	0.0163608	0.9265996	0.6178562	20	0.99241703
ENSG00000196653	3	ZNF502	44754135	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.710321	0.0762365	1.19E-20	-0.0377748	0.0142722	0.00812713	0.03468065	10	0.31081905
ENSG00000186446	3	ZNF501	44771088	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.425017	0.0730269	5.88E-09	-0.0631321	0.0253122	0.01262653	0.1415798	3	0.3603961
ENSG00000011376	3	LARS2	45429998	rs3774690	3	45511026	T	C	0.332008	-0.0073752	0.00963986	0.444229	-0.698922	0.0545727	1.50E-37	0.0105522	0.0138171	0.4450408	0.1941363	20	0.86418667
ENSG00000144791	3	LIMD1	45596886	rs36047207	3	45690948	A	C	0.241551	-0.0029665	0.00929765	0.749684	0.499504	0.0706367	1.53E-12	-0.0059388	0.0186327	0.74993	0.6628173	10	0.95264532
ENSG00000163827	3	LRRC2	46556913	rs3827494	3	46602231	G	A	0.352883	0.0093519	0.0083111	0.260492	-0.281831	0.0477394	3.56E-09	-0.0331827	0.0300206	0.2690161	0.821242	7	0.78302173
ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.899041	0.0742893	1.03E-33	-0.0235651	0.00987971	0.01706976	0.6969567	18	0.38453234
ENSG00000178038	3	ALS2CL	46710487	rs11718902	3	46734441	A	G	0.419483	-0.0016536	0.00811641	0.838558	0.499361	0.0606384	1.79E-16	-0.0033115	0.0162586	0.8386061	0.5136723	12	0.98062765
ENSG00000188086	3	PRSS45	46783582	rs57268847	3	46794745	T	A	0.149105	-0.0097795	0.0102912	0.341973	0.974222	0.109026	4.05E-19	-0.0100382	0.0106231	0.3446862	0.5177122	20	0.83501439
ENSG00000160801	3	PTH1R	46919236	rs114409151	3	47333651	G	A	0.0178926	-0.0043198	0.0275634	0.875464	1.17233	0.161879	4.42E-13	-0.0036848	0.0235171	0.8754932	0.8948015	3	0.98658093
ENSG00000160796	3	NBEAL2	47021173	rs11716553	3	46993127	A	G	0.410537	-0.0085714	0.0082366	0.298037	0.290724	0.0523222	2.75E-08	-0.0294831	0.0288239	0.3063704	0.2011949	13	0.81106962
ENSG00000260236	3	RP11-708J19.1	47420579	rs3736177	3	47451411	T	C	0.394632	-0.0056681	0.00829486	0.494397	-0.40261	0.0718843	2.13E-08	0.0140785	0.0207555	0.4975803	0.6725218	9	0.86872655
ENSG00000114650	3	SCAP	47455203	rs11130112	3	47024495	T	G	0.587475	0.009051	0.00822256	0.271004	-0.367322	0.0481455	2.36E-14	-0.0246405	0.0226169	0.2759461	0.1475132	20	0.78643683
ENSG00000164048	3	ZNF589	48282590	rs6806112	3	48276077	T	A	0.328032	-0.0243577	0.00960392	0.0112052	0.899454	0.0736325	2.57E-34	-0.0270805	0.0109052	0.01301841	0.09659805	20	0.3603961
ENSG00000232112	3	TMA7	48481667	rs13069724	3	48478039	C	T	0.537773	-0.0012973	0.00821852	0.874579	0.34986	0.0404595	5.28E-18	-0.0037079	0.0234948	0.8745999	0.0348082	16	0.98658093
ENSG00000213689	3	TREX1	48506445	rs11797	3	48508585	C	T	0.55666	-0.0041652	0.00825411	0.613827	0.502772	0.0539749	1.22E-20	-0.0082844	0.0164413	0.6143457	0.1201507	18	0.90997983
ENSG00000213672	3	NCKIPSD	48701364	rs6792510	3	48723302	C	G	0.647117	-0.0282879	0.00849467	0.00086822	0.405854	0.0331184	1.59E-34	-0.0696997	0.0216894	0.00131109	0.01680496	20	0.1985174
ENSG00000068745	3	IP6K2	48725436	rs72929172	3	48731961	G	A	0.0646123	0.034796	0.0167667	0.0379586	0.877794	0.113277	9.25E-15	0.0396403	0.0197741	0.04499955	0.09201411	5	0.52513494
ENSG00000178467	3	P4HTM	49027319	rs4292260	3	49148890	C	T	0.797217	-0.0239631	0.0103408	0.0204857	0.188933	0.0316918	2.50E-09	-0.126834	0.0587222	0.0307807	0.4551133	20	0.45411895
ENSG00000178252	3	WDR6	49044495	rs4974080	3	49030828	C	A	0.664016	-0.0291024	0.00854408	0.00065887	-0.317611	0.0471427	1.61E-11	0.0916291	0.0301437	0.00236777	0.3859384	17	0.23558181
ENSG00000178149	3	DALRD3	49052921	rs10865952	3	48744484	G	A	0.653082	-0.0280376	0.00849669	0.00096745	0.287974	0.0476257	1.48E-09	-0.0973616	0.0336128	0.00377272	0.1823591	17	0.27595415
ENSG00000233276	3	GPX1	49394609	rs9842132	3	49427933	A	G	0.23161	0.0169178	0.0100805	0.0932932	0.397376	0.0550392	5.20E-13	0.0425738	0.026044	0.1021147	0.02616015	18	0.65086925
ENSG00000145020	3	AMT	49454211	rs113741748	3	49490780	A	G	0.23161	0.0169274	0.0100564	0.0923294	-0.60093	0.0588026	1.62E-24	-0.0281687	0.0169602	0.09673996	0.01526525	20	0.65086925
ENSG00000226913	3	BSN-AS2	49586739	rs11130206	3	49596593	G	C	0.4334	0.0142726	0.00839799	0.0892216	-0.440713	0.0772664	1.17E-08	-0.0323852	0.0198834	0.1033637	0.00014603	8	0.65086925
ENSG00000164068	3	RNF123	49726932	rs7372725	3	49790544	A	C	0.525845	-0.0196465	0.00841831	0.0196069	-0.189537	0.0274636	5.15E-12	0.103655	0.0468859	0.02704989	0.02358953	9	0.43604346
ENSG00000173540	3	GMPPB	49754277	rs62262722	3	49769419	C	G	0.16004	0.0237903	0.0130644	0.0686072	0.78042	0.0758481	7.88E-25	0.030484	0.0170004	0.07295117	7.00E-05	20	0.607546
ENSG00000164078	3	MST1R	49924435	rs2681781	3	49898273	G	A	0.491054	0.00197635	0.00825796	0.810853	0.426512	0.0726651	4.37E-09	0.00463375	0.0193777	0.8110064	0.022571	10	0.97005522
ENSG00000004534	3	RBM6	49977440	rs4688756	3	50040194	A	T	0.519881	0.00152068	0.00807564	0.850638	-0.571837	0.0464235	7.26E-35	-0.0026593	0.0141239	0.8506551	0.02991283	20	0.98441582
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.569568	0.0510302	6.30E-29	0.0212889	0.0144455	0.1405521	0.00411271	16	0.67926006
ENSG00000243477	3	NAT6	50333833	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	0.387038	0.044646	4.36E-18	-0.031329	0.0213797	0.1428224	0.00180117	18	0.68107362
ENSG00000164088	3	PPM1M	52279841	rs114645176	3	52279951	G	T	0.104374	0.00745371	0.0166427	0.654249	0.862237	0.0975006	9.28E-19	0.00864462	0.0193265	0.6546632	0.02442138	19	0.9271714
ENSG00000114841	3	DNAH1	52350335	rs9844183	3	52315192	G	A	0.167992	-0.0094161	0.0135234	0.486252	-0.310619	0.0474344	5.82E-11	0.0303141	0.0437824	0.4886975	0.3951942	14	0.86806745
ENSG00000168268	3	NT5DC2	52558386	rs78892252	3	52715311	A	G	0.0457256	-0.0214328	0.0182936	0.241356	0.720248	0.129791	2.87E-08	-0.0297575	0.0259589	0.2516582	0.02412444	7	0.76610014
ENSG00000055955	3	ITIH4	52846991	rs6803519	3	52889771	T	C	0.264414	-0.038451	0.00915708	2.68E-05	0.813449	0.0803218	4.18E-24	-0.0472691	0.0121864	0.00010495	0.1067468	20	0.15046502
ENSG00000242142	3	SERBP1P3	53098299	rs2115782	3	53131830	A	G	0.593439	0.00350262	0.00815815	0.667676	0.806384	0.0630419	1.84E-37	0.00434361	0.0101227	0.6678517	9.34E-06	20	0.93253494
ENSG00000163933	3	RFT1	53122499	rs1864367	3	53111704	C	T	0.597416	0.00306764	0.00816143	0.707014	-0.908866	0.0649796	1.87E-44	-0.0033752	0.00898304	0.7071141	1.03E-05	20	0.94298662
ENSG00000163932	3	PRKCD	53190025	rs56972966	3	53212179	T	C	0.027833	0.0193286	0.0284898	0.497494	-0.604136	0.0791439	2.29E-14	-0.0319938	0.0473438	0.4991832	0.5027751	9	0.86872655
ENSG00000113812	3	ACTR8	53901093	rs45511795	3	53906891	T	C	0.326044	0.0036455	0.00883109	0.679751	-0.507266	0.0722617	2.22E-12	-0.0071866	0.0174393	0.6802727	0.05991975	12	0.93372697
ENSG00000180376	3	CCDC66	56591189	rs6791987	3	56579538	T	C	0.410537	-0.0065528	0.00807779	0.417241	-0.447056	0.0456282	1.15E-22	0.0146578	0.0181307	0.4188312	0.3204523	20	0.86418667
ENSG00000163947	3	ARHGEF3	56761446	rs75056025	3	56765247	T	A	0.164016	-0.0015027	0.0105156	0.886368	0.227364	0.0413684	3.88E-08	-0.0066092	0.0462657	0.8864065	0.3126128	5	0.98658093
ENSG00000168374	3	ARF4	57557090	rs7616604	3	57664489	G	C	0.847913	0.0199295	0.0101585	0.0497806	-0.298658	0.052893	1.64E-08	-0.0667302	0.0360084	0.06385625	0.8304974	4	0.58360816
ENSG00000168297	3	PXK	58318607	rs35320706	3	58322670	A	G	0.0854871	-0.0063901	0.0142329	0.653455	0.344695	0.0591702	5.69E-09	-0.0185384	0.0414137	0.6544145	0.7747743	4	0.9271714
ENSG00000168291	3	PDHB	58413357	rs67793196	3	58290129	G	T	0.27336	0.0029126	0.00864107	0.736068	0.507312	0.0572737	8.17E-19	0.00574124	0.0170454	0.7362519	0.8401437	20	0.94997803
ENSG00000163634	3	THOC7	63819546	rs832190	3	63842629	T	C	0.60338	0.00819559	0.0083862	0.328435	0.260823	0.0416899	3.94E-10	0.031422	0.0325427	0.3342635	0.9464705	20	0.83095154
ENSG00000144741	3	SLC25A26	66119285	rs146159281	3	66287056	A	G	0.341948	-0.0119615	0.00811514	0.140489	-0.73836	0.0542156	3.09E-42	0.0162001	0.0110549	0.1428075	0.6731869	20	0.68107362
ENSG00000241316	3	RP11-81N13.1	67705121	rs6793868	3	67695020	C	T	0.360835	0.0113299	0.0082035	0.167246	-0.507323	0.0766266	3.57E-11	-0.0223327	0.0165183	0.1763746	0.2752372	18	0.69740293
ENSG00000163378	3	EOGT	69024365	rs4855542	3	69036707	A	G	0.464215	0.00577921	0.00838178	0.490511	0.281774	0.0474518	2.88E-09	0.0205101	0.0299463	0.4934101	0.00571862	4	0.86806745
ENSG00000170837	3	GPR27	71803201	rs73090632	3	71784321	G	A	0.106362	0.0286007	0.0117396	0.0148399	0.655444	0.0915594	8.15E-13	0.0436356	0.0189197	0.02109073	0.4821109	4	0.40333901
ENSG00000172986	3	GXYLT2	72937224	rs1108154	3	73024609	T	A	0.590457	-0.0032441	0.00858514	0.705521	0.672063	0.0731612	4.07E-20	-0.0048271	0.0127851	0.7057581	0.4165037	20	0.94255443
ENSG00000244026	3	FAM86DP	75470703	rs151208235	3	75400034	G	C	0.0457256	-0.0129437	0.0163504	0.428569	-1.61739	0.177608	8.51E-20	0.00800283	0.0101473	0.430305	0.8931753	10	0.86418667
ENSG00000272690	3	RP11-803B1.8	75484499	rs151208235	3	75400034	G	C	0.0457256	-0.0129437	0.0163504	0.428569	-1.25557	0.201493	4.63E-10	0.010309	0.013127	0.4322589	0.8356197	7	0.86418667
ENSG00000243422	3	RP11-413E6.1	75673837	rs4974344	3	75861991	T	C	0.642147	-0.0045287	0.00893695	0.612339	-0.723602	0.0915246	2.66E-15	0.00625854	0.012376	0.6130672	0.5874324	9	0.909885
ENSG00000241622	3	RARRES2P1	75707685	rs9869748	3	75863554	C	T	0.640159	-0.0045159	0.00893557	0.613289	-0.650158	0.0872053	8.95E-14	0.00694587	0.0137752	0.6141007	0.4125701	20	0.90997983
ENSG00000227124	3	ZNF717	75758794	rs6549798	3	75849185	T	C	0.469185	-0.0138111	0.00807736	0.0872931	-0.64168	0.0782796	2.46E-16	0.0215233	0.0128588	0.09416447	0.4090328	20	0.65086925
ENSG00000239519	3	CADM2-AS1	86041333	rs68058340	3	86029958	G	A	0.412525	0.00262548	0.00827373	0.750995	0.695901	0.0931256	7.86E-14	0.00377278	0.0118999	0.7512121	0.6704654	20	0.95264532
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.867022	0.078771	3.54E-28	0.00528293	0.00934438	0.5718293	0.5929857	20	0.89834695
ENSG00000114021	3	NIT2	100053545	rs13082297	3	100071070	C	G	0.348907	-0.0066056	0.00854824	0.439676	-0.526349	0.0556827	3.30E-21	0.0125498	0.0162948	0.4411984	0.9597899	18	0.86418667
ENSG00000206535	3	LNP1	100120037	rs1036769	3	100122081	T	C	0.677932	0.00171276	0.00842763	0.838954	-0.359197	0.0446216	8.29E-16	-0.0047683	0.0234699	0.8390047	0.7356594	13	0.98062765
ENSG00000114354	3	TFG	100428205	rs1829551	3	100359632	C	T	0.363817	0.00839891	0.00828988	0.310988	0.278987	0.0498352	2.17E-08	0.030105	0.0301969	0.3187854	0.5747923	11	0.81665079
ENSG00000244119	3	PDCL3P4	101431316	rs13069443	3	101373305	T	C	0.328032	-0.0060134	0.0083769	0.472848	0.540115	0.0567536	1.79E-21	-0.0111335	0.0155535	0.474103	0.05275467	17	0.86418667
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.711492	0.0930563	2.08E-14	-0.0116164	0.0114591	0.3107122	0.9929693	14	0.81319251
ENSG00000243795	3	RP11-572M11.3	112861197	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	0.588692	0.100227	4.26E-09	0.0140395	0.0139337	0.3136481	0.9183404	7	0.81435501
ENSG00000072858	3	SIDT1	113251143	rs62265529	3	113322347	T	C	0.205765	0.00022192	0.00906084	0.98046	0.598021	0.0559809	1.23E-26	0.00037108	0.0151514	0.9804604	0.01340839	5	0.99550269
ENSG00000163389	3	POGLUT1	119187785	rs80141465	3	119227659	C	T	0.0656064	-0.0417648	0.018616	0.0248651	0.768177	0.107854	1.06E-12	-0.0543687	0.0254078	0.03236753	0.09509274	7	0.45862237
ENSG00000144843	3	ADPRH	119298115	rs13324934	3	119298630	T	G	0.0318091	-0.0198958	0.0215009	0.354786	-0.998977	0.110331	1.37E-19	0.0199162	0.021635	0.3572842	0.8276293	7	0.840274
ENSG00000173226	3	IQCB1	121488610	rs75640422	3	121457244	T	A	0.132207	-0.0083934	0.0116193	0.470072	1.114	0.112606	4.47E-23	-0.0075344	0.010458	0.4712507	0.8733403	17	0.86418667
ENSG00000163406	3	SLC15A2	121612936	rs9859192	3	121680681	C	A	0.146123	-0.0143581	0.0127491	0.260077	0.298607	0.0490569	1.15E-09	-0.0480836	0.0434199	0.2681167	0.7984689	9	0.78225116
ENSG00000082684	3	SEMA5B	122628041	rs2303983	3	122630346	C	T	0.809145	0.00799939	0.00916806	0.38292	-0.778684	0.0616088	1.28E-36	-0.010273	0.0118018	0.384051	0.1991196	20	0.84681604
ENSG00000241288	3	RP11-379B18.5	125546081	rs79344588	3	125632117	A	G	0.187873	0.0106543	0.00920041	0.246852	0.606473	0.0913184	3.11E-11	0.0175676	0.0153992	0.2539483	0.8722621	16	0.76716962
ENSG00000171084	3	FAM86JP	125635463	rs13325495	3	125637416	G	T	0.167992	-0.0178737	0.0141986	0.20809	1.22985	0.0860236	2.30E-46	-0.0145332	0.0115897	0.2098479	0.152847	20	0.73192759
ENSG00000189366	3	ALG1L	125648118	rs11925047	3	125698944	A	G	0.280318	0.0167024	0.00882893	0.0585208	-1.03104	0.0898488	1.76E-30	-0.0161996	0.00867871	0.06195943	0.4142908	20	0.58025006
ENSG00000241439	3	RP11-666A20.3	125677399	rs62270900	3	125677618	C	T	0.352883	0.0135888	0.00827022	0.100363	-0.768465	0.0864575	6.20E-19	-0.017683	0.0109443	0.1061538	0.4900687	20	0.65086925
ENSG00000114547	3	ROPN1B	125687987	rs11929488	3	125703352	T	C	0.39662	0.0137183	0.00821584	0.0949708	-0.597702	0.0698879	1.21E-17	-0.0229517	0.0140052	0.1012557	0.7231785	20	0.65086925
ENSG00000070476	3	ZXDC	126156444	rs800947	3	126186781	T	C	0.66998	0.0108861	0.0083977	0.194867	0.408244	0.0551689	1.36E-13	0.0266657	0.0208835	0.2016465	0.07352059	16	0.72353236
ENSG00000159685	3	CHCHD6	126423063	rs148900394	3	126480527	T	C	0.0178926	0.0593594	0.0305954	0.0523625	0.843412	0.111508	3.92E-14	0.0703801	0.0374501	0.06020348	0.02861345	9	0.56909091
ENSG00000163870	3	TPRA1	127291912	rs2630213	3	127333832	T	A	0.564612	0.00214162	0.00805266	0.790276	0.204476	0.0375	4.96E-08	0.0104737	0.0394287	0.7905195	0.553768	6	0.96301985
ENSG00000187715	3	KBTBD12	127634075	rs7635297	3	127648092	T	C	0.0596421	0.0603076	0.0306807	0.049339	-1.45228	0.185482	4.89E-15	-0.0415262	0.0217814	0.05658642	0.3573575	4	0.56226188
ENSG00000132394	3	EEFSEC	127872297	rs2999049	3	127878817	C	T	0.263419	-0.0048585	0.00883477	0.582369	-0.418396	0.0657904	2.02E-10	0.0116122	0.0211946	0.583771	0.2335732	5	0.89957103
ENSG00000242551	3	POU5F1P6	128393578	rs2712414	3	128305217	G	C	0.744533	0.00429494	0.00898757	0.632738	-0.686612	0.112366	9.93E-10	-0.0062553	0.0131297	0.6337746	0.7823742	14	0.92007447
ENSG00000261159	3	RP11-723O4.9	128578559	rs789248	3	128580574	C	T	0.351889	-0.0035731	0.00837314	0.669573	0.675135	0.0766641	1.29E-18	-0.0052924	0.0124167	0.6699369	0.3713978	14	0.93280877
ENSG00000231305	3	RP11-723O4.2	128580156	rs796862	3	128593040	A	G	0.186879	-0.011867	0.010469	0.256989	0.804315	0.0990873	4.77E-16	-0.0147542	0.0131423	0.2615889	0.1408943	16	0.77709121
ENSG00000177646	3	ACAD9	128598439	rs62265306	3	128661019	A	G	0.0178926	0.00759799	0.0204439	0.710153	1.97569	0.233556	2.69E-17	0.00384574	0.0103577	0.7104197	0.9426333	13	0.94355167
ENSG00000270773	3	RP13-685P2.7	129064254	rs9814650	3	129084464	A	G	0.0695825	0.0103033	0.0148734	0.488476	1.06266	0.14654	4.12E-13	0.00969576	0.0140601	0.4904495	0.9775203	6	0.86806745
ENSG00000251474	3	RPL32P3	129101765	rs60960425	3	129112454	G	A	0.172962	0.0184002	0.0148736	0.216049	0.447544	0.0759472	3.80E-09	0.0411137	0.0339583	0.2260055	0.359166	11	0.74274316
ENSG00000163913	3	IFT122	129158968	rs4429625	3	129139320	G	A	0.161034	0.0180009	0.0153793	0.241813	-0.620315	0.0653363	2.22E-21	-0.029019	0.0249804	0.2453702	0.4207841	20	0.76123939
ENSG00000249846	3	RP11-77P16.4	129831393	rs9713346	3	129822634	A	G	0.418489	-0.0115167	0.00827666	0.164083	0.802077	0.0777576	6.02E-25	-0.0143586	0.0104125	0.1679018	0.185475	18	0.68831561
ENSG00000228252	3	COL6A4P2	129931666	rs59803194	3	129845429	A	G	0.454274	-0.0105424	0.0081021	0.193192	-0.914097	0.0866218	4.93E-26	0.0115331	0.00893063	0.1965604	0.2195332	20	0.71625998
ENSG00000034533	3	ASTE1	130732719	rs6439273	3	130756547	G	A	0.213718	-0.0021989	0.0112344	0.844825	-0.512912	0.0852207	1.76E-09	0.00428699	0.0219148	0.8449066	0.4238728	10	0.98207023
ENSG00000014257	3	ACPP	132036211	rs144788163	3	132046175	C	T	0.0467197	-0.0166712	0.0131463	0.204752	1.18417	0.206538	9.84E-09	-0.0140784	0.01137	0.2156408	0.8960728	4	0.7394203
ENSG00000113971	3	NPHP3	132276986	rs66564593	3	132436967	G	A	0.21173	-0.001187	0.00997949	0.905317	-0.799188	0.0629521	6.29E-37	0.00148531	0.0124876	0.9053207	0.9931796	10	0.98658093
ENSG00000251011	3	RP11-402L6.1	132964950	rs12633060	3	132924276	C	T	0.295229	-0.0066475	0.008803	0.450166	0.456398	0.0815396	2.18E-08	-0.0145651	0.0194627	0.4542441	0.9894966	9	0.86418667
ENSG00000260633	3	RP11-375I20.6	134066130	rs2400279	3	134072649	T	C	0.607356	-0.0052909	0.00827668	0.522661	-0.846398	0.0874017	3.53E-22	0.00625102	0.00979999	0.523565	0.5857414	14	0.8830592
ENSG00000129055	3	ANAPC13	134196548	rs7371896	3	134249769	G	C	0.689861	-0.0003214	0.00901526	0.971561	0.334962	0.0482326	3.79E-12	-0.0009595	0.0269146	0.9715609	0.3668803	5	0.99471489
ENSG00000114054	3	PCCB	135969148	rs66691851	3	136154828	T	C	0.434394	-0.0196606	0.00808946	0.0150824	0.380455	0.0581765	6.17E-11	-0.0516765	0.0226835	0.0227171	0.6880758	20	0.41881492
ENSG00000261758	3	RP11-102M11.2	136471472	rs6764567	3	136425514	C	A	0.586481	0.0150299	0.00806986	0.0625374	-0.49166	0.0869155	1.54E-08	-0.0305697	0.0172803	0.07688488	0.457771	20	0.61409544
ENSG00000273486	3	RP11-731C17.2	136556180	rs4678443	3	136533033	T	A	0.65507	-0.0001389	0.00870301	0.987264	0.561037	0.0835308	1.86E-11	-0.0002476	0.0155124	0.9872643	0.6107742	7	0.99595203
ENSG00000118017	3	A4GNT	137842560	rs6798385	3	137865326	C	T	0.663022	-0.0052804	0.00841243	0.530205	0.61476	0.0960534	1.55E-10	-0.0085894	0.0137497	0.532171	0.8090594	6	0.88585906
ENSG00000181322	3	NME9	137980279	rs3856633	3	138005082	G	A	0.704771	0.00435218	0.00878459	0.620293	0.530119	0.0725874	2.81E-13	0.00820982	0.0166091	0.6210962	0.824824	6	0.91443861
ENSG00000158234	3	FAIM	138327448	rs9878436	3	138244400	T	C	0.44831	0.0115174	0.0084352	0.172129	-0.318716	0.0532526	2.16E-09	-0.0361369	0.0271462	0.183125	0.5677118	10	0.69774631
ENSG00000152952	3	PLOD2	145787227	rs12496198	3	145835383	G	A	0.454274	-0.0024986	0.00825708	0.762191	-0.209358	0.036923	1.43E-08	0.0119347	0.0394961	0.762519	0.1486059	6	0.9549947
ENSG00000071794	3	HLTF	148747914	rs7621515	3	148723252	T	A	0.745527	-0.0041899	0.00877663	0.633085	0.320461	0.0479939	2.44E-11	-0.0130745	0.0274574	0.6339505	0.4310787	13	0.92007447
ENSG00000114744	3	COMMD2	149456257	rs10935774	3	149456926	G	A	0.468191	0.0149836	0.0081774	0.0669037	0.383068	0.0544894	2.06E-12	0.0391147	0.0220603	0.07621492	0.1657713	10	0.61408976

ENSG00000243321	3	snoU13	149795281	rs56198011	3	149797925	T	C	0.317097	0.0168637	0.00869025	0.0523142	-0.590883	0.0710328	8.91E-17	-0.0285398	0.0151021	0.05878588	0.340828	3	0.56431793
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	1.05602	0.0652246	5.88E-59	-0.0127592	0.0104415	0.2217187	0.3945645	20	0.74274316
ENSG00000174953	3	DHX36	153990335	rs789301	3	154075522	G	A	0.866799	0.0141697	0.010549	0.1792	-0.403391	0.0666114	1.40E-09	-0.0351265	0.0267864	0.1897374	0.3652087	3	0.70253861
ENSG00000114805	3	PLCH1	155093369	rs4234307	3	155102654	G	A	0.550696	0.0114175	0.00810711	0.159034	0.41705	0.076216	4.45E-08	0.0273768	0.0200727	0.1726042	0.4883181	5	0.6962068
ENSG00000244515	3	KRT18P34	156880452	rs4680345	3	156892521	G	C	0.256461	-0.0165969	0.0106015	0.11746	-0.847256	0.0869431	1.94E-22	0.019589	0.0126732	0.1221759	0.02881577	20	0.66369299
ENSG00000168827	3	GFM1	158362067	rs6763018	3	158372930	G	A	0.385686	0.0143229	0.00873935	0.101235	-0.511292	0.0685869	9.01E-14	-0.0280132	0.0175009	0.1094498	0.02697663	6	0.65086925
ENSG00000079257	3	LXN	158363611	rs17643483	3	158444513	G	A	0.234592	0.0207002	0.0100432	0.0392916	0.575255	0.0868196	3.45E-11	0.0359844	0.0182839	0.04905736	0.3602137	9	0.5383209
ENSG00000118849	3	RARRES1	158414681	rs6441224	3	158450417	C	T	0.56163	0.00675712	0.00805755	0.40169	0.696535	0.100154	3.53E-12	0.00970105	0.0116518	0.4050837	0.07568806	14	0.85537967
ENSG00000240207	3	RP11-379F4.4	158450052	rs61794821	3	158460936	G	A	0.220676	0.0197886	0.0103114	0.0549731	0.735425	0.0710086	3.90E-25	0.0269077	0.0142597	0.05916333	0.1750268	20	0.56431793
ENSG00000272247	3	RP11-379F4.9	158519046	rs2713736	3	158520483	G	A	0.72167	-0.0203174	0.00842235	0.0158515	-0.600575	0.100369	2.18E-09	0.0338299	0.0151206	0.02526383	0.8581475	6	0.43017412
ENSG00000169064	3	ZBBX	166958075	rs6777059	3	167123597	T	C	0.127237	-0.0081764	0.011467	0.475824	-0.508002	0.0772338	4.79E-11	0.0160952	0.022705	0.4783963	0.6811953	5	0.86418667
ENSG00000206120	3	EGFEM1P	167967310	rs613688	3	168518043	A	G	0.403579	0.00406908	0.00849428	0.631911	-0.429261	0.0696987	7.33E-10	-0.0094793	0.0198479	0.6329384	0.7555617	9	0.91979557
ENSG00000239219	3	RP11-379K17.4	169657141	rs9836316	3	169684433	A	G	0.146123	-0.0031074	0.00984406	0.752258	0.992616	0.115393	7.83E-18	-0.0031305	0.00992396	0.7524199	0.8813725	19	0.95350641
ENSG00000171109	3	MFN1	179065480	rs3806687	3	179041396	A	G	0.335984	-0.0371303	0.00828323	7.37E-06	-0.27347	0.0433076	2.71E-10	0.135775	0.0371452	0.00025694	0.00922554	8	0.1604182
ENSG00000241231	3	RP11-275H4.1	181138846	rs1479163	3	181177919	C	T	0.687873	0.0256787	0.00868281	0.00310227	0.94876	0.0748622	8.30E-37	0.0270655	0.00939762	0.00397623	0.1274802	20	0.27595415
ENSG00000078070	3	MCCC1	182733006	rs11714270	3	182819912	C	T	0.82505	-0.0019635	0.0109865	0.858156	0.455551	0.0789352	7.87E-09	-0.0043102	0.0241285	0.8582232	0.276118	6	0.98554401
ENSG00000240024	3	LINC00888	183165396	rs7618933	3	183179946	A	G	0.533797	-0.0076095	0.00831315	0.360007	0.371862	0.0532788	2.96E-12	-0.0204631	0.0225469	0.3641006	0.5312904	10	0.840274
ENSG00000114796	3	KLHL24	183353356	rs7431540	3	183356629	G	C	0.262425	-0.0071722	0.00959789	0.454905	-0.277528	0.0429122	9.97E-11	0.025843	0.0348136	0.4578908	0.6578999	4	0.86418667
ENSG00000233885	3	YEATS2-AS1	183524245	rs2582078	3	183505651	T	C	0.469185	0.0039547	0.00840563	0.638011	0.601546	0.0578734	2.64E-25	0.00657423	0.0139877	0.6383543	0.5362858	20	0.9225516
ENSG00000114770	3	ABCC5	183637722	rs13066518	3	183635498	A	T	0.49006	0.00952741	0.00807875	0.238272	0.262483	0.0383698	7.87E-12	0.0362972	0.0312322	0.2451647	0.8318835	10	0.76123939
ENSG00000145198	3	VWA5B2	183948217	rs73185792	3	183974309	A	C	0.223658	0.00801099	0.0104961	0.445325	-0.618681	0.0629489	8.50E-23	-0.0129485	0.0170164	0.4466906	0.4138994	20	0.86418667
ENSG00000145194	3	ECE2	183967438	rs56172794	3	184001146	T	C	0.530815	0.00249554	0.00805989	0.756847	-0.445868	0.0592765	5.40E-14	-0.005597	0.0180922	0.7570457	0.5732635	5	0.9539366
ENSG00000272970	3	RP11-329B9.4	184451863	rs9875166	3	184463505	A	G	0.333002	0.00101884	0.00861478	0.905856	0.509738	0.0922665	3.30E-08	0.00199875	0.0169043	0.905878	0.9217236	9	0.98658093
ENSG00000156931	3	VPS8	184529931	rs62286929	3	184524492	G	A	0.055666	0.00299175	0.0230759	0.896844	0.897257	0.104652	1.00E-17	0.00333433	0.0257212	0.8968565	0.3635766	20	0.98658093
ENSG00000187068	3	C3orf70	184795838	rs61740263	3	184801094	A	G	0.0864811	-0.018781	0.0131297	0.152595	-0.369983	0.0652344	1.41E-08	0.0507618	0.0365986	0.1654452	0.9564608	9	0.68549033
ENSG00000113889	3	KNG1	186435065	rs10439970	3	186433932	G	T	0.322068	-0.0013599	0.00861775	0.874609	-0.700979	0.0763246	4.15E-20	0.00194006	0.0122957	0.8746274	0.7597431	10	0.98658093
ENSG00000225764	3	LEPREL1-AS1	189838753	rs478968	3	189890929	G	A	0.750497	-0.0078187	0.00918575	0.394669	-0.723835	0.0940518	1.40E-14	0.0108018	0.0127678	0.3975406	0.00480804	9	0.85165727
ENSG00000225473	3	ATP13A4-AS1	193271002	rs13317338	3	193233780	A	C	0.158052	0.0269732	0.0110273	0.0144434	-0.793571	0.12931	8.41E-10	-0.0339896	0.0149589	0.02307409	0.8646375	9	0.42163679
ENSG00000236297	3	RP11-175P19.2	193296601	rs9852115	3	193419289	T	C	0.345924	0.0087774	0.00819554	0.284171	0.567059	0.100259	1.55E-08	0.0154788	0.0147095	0.2926631	0.2961857	4	0.80043284
ENSG00000231770	3	TMEM44-AS1	194304740	rs7636054	3	194306240	C	T	0.191849	0.00083451	0.0105368	0.936874	0.603059	0.0769612	4.66E-15	0.00138379	0.0174731	0.9368775	0.791088	11	0.99347767
ENSG00000145014	3	TMEM44	194308402	rs3845908	3	194348600	T	C	0.375746	0.00092841	0.00809415	0.908682	0.328563	0.0585959	2.06E-08	0.00282566	0.0246402	0.9087012	0.801497	5	0.98750046
ENSG00000041802	3	LSG1	194361517	rs3821403	3	194369580	A	C	0.163022	0.00854817	0.0109511	0.435053	1.00051	0.0829884	1.80E-33	0.00854381	0.0109684	0.4360119	0.3509382	9	0.86418667
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.559176	0.0498781	3.61E-29	0.0275094	0.015061	0.06777003	0.2500879	20	0.59477339
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.927615	0.0867879	1.15E-26	0.00979804	0.00879046	0.2650123	0.6228812	20	0.77972167
ENSG00000271662	3	RP11-141C7.3	195377017	rs79114865	3	195661441	A	C	0.16998	-0.004035	0.0118263	0.732963	-0.854807	0.131029	6.85E-11	0.00472033	0.013854	0.733314	0.4363933	20	0.94997803
ENSG00000229178	3	AC069513.4	195382436	rs36016323	3	195315479	T	C	0.368787	-0.0172578	0.00879281	0.0496787	-0.783448	0.085425	4.68E-20	0.022028	0.0114774	0.05495165	0.1085786	20	0.55766034
ENSG00000215837	3	SDHAP2	195384967	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.726817	0.0916316	2.16E-15	0.013149	0.01126	0.2429021	0.8075235	20	0.76015979
ENSG00000176945	3	MUC20	195447753	rs11926771	3	195656731	A	C	0.187873	0.00929126	0.0099394	0.349896	0.872231	0.104164	5.59E-17	0.0106523	0.0114662	0.3528788	0.6574024	20	0.840274
ENSG00000145113	3	MUC4	195473636	rs4927798	3	195666742	C	G	0.38668	0.00510829	0.00823767	0.535184	0.610484	0.0944095	1.00E-10	0.00836761	0.0135556	0.5370491	0.5086468	12	0.88585906
ENSG00000231443	3	AC024937.6	195664114	rs9868045	3	195661770	T	C	0.230616	-0.0095044	0.00957056	0.320666	-0.545851	0.0868128	3.22E-10	0.0174121	0.0177506	0.326627	0.4601312	20	0.82449107
ENSG00000260261	3	RP11-480A16.1	195676059	rs9868045	3	195661770	T	C	0.230616	-0.0095044	0.00957056	0.320666	-0.517538	0.0822556	3.14E-10	0.0183647	0.0187214	0.3266192	0.8436642	17	0.82449107
ENSG00000185485	3	SDHAP1	195686619	rs7627446	3	195477407	A	G	0.697813	0.00291293	0.00876864	0.73974	0.546774	0.0869136	3.15E-10	0.00532748	0.0160594	0.7400883	0.2593637	11	0.94997803
ENSG00000231464	3	AC024937.4	195723609	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.752948	0.100477	6.69E-14	0.0126927	0.0108834	0.2435161	0.8866886	20	0.7608101
ENSG00000163959	3	SLC51A	195938358	rs60631199	3	195961254	T	C	0.204771	0.0203817	0.0100414	0.0423799	-0.626756	0.094006	2.61E-11	-0.0325194	0.0167472	0.05216442	0.1081599	11	0.55150699
ENSG00000161217	3	PCYT1A	195941093	rs712012	3	195964687	T	C	0.634195	-0.0112112	0.00821226	0.172196	0.337636	0.0540817	4.29E-10	-0.033205	0.0248976	0.1823137	0.01537663	8	0.69774631
ENSG00000163964	3	PIGX	196366646	rs1568603	3	196453467	C	A	0.319085	0.0248706	0.00844687	0.00323623	-0.289822	0.0453814	1.70E-10	-0.0858134	0.0320934	0.00749826	0.1851463	7	0.30202677
ENSG00000174007	3	CEP19	196433148	rs1463626	3	196454560	A	G	0.168986	0.0295219	0.0112954	0.0089588	-0.309599	0.0513445	1.64E-09	-0.0953553	0.0397638	0.01648296	0.6224451	3	0.38351036
ENSG00000119227	3	PIGZ	196673214	rs11922888	3	196675994	G	C	0.298211	-0.0098555	0.00953146	0.30114	0.538646	0.0491732	6.35E-28	-0.0182967	0.0177739	0.3032839	0.6557565	13	0.81037998
ENSG00000272989	3	RP13-616I3.1	197232133	rs1431500	3	197191912	C	A	0.380716	0.00888955	0.00844453	0.292479	0.456551	0.079491	9.28E-09	0.0194711	0.0188045	0.3004587	0.668079	9	0.80705301
ENSG00000214135	3	AC024560.3	197305084	rs73891642	3	197346558	C	A	0.0785288	0.0217604	0.0203539	0.285024	0.787655	0.103017	2.08E-14	0.0276268	0.0260925	0.2896901	0.587562	18	0.79710593
ENSG00000249626	3	RP11-496H1.1	197361186	rs7628440	3	197375902	G	T	0.267396	0.0137822	0.00991517	0.164526	-0.577509	0.0764113	4.10E-14	-0.0238649	0.0174568	0.1715993	0.8258612	6	0.6962068
ENSG00000114473	3	IQCG	197615946	rs145348918	3	197600841	G	A	0.111332	-0.0031228	0.0131157	0.811808	0.972151	0.110998	1.98E-18	-0.0032122	0.0134964	0.8118758	0.4323521	20	0.97041696
ENSG00000226435	3	ANKRD18DP	197780393	rs10154902	3	197834191	A	C	0.416501	0.0105395	0.00829346	0.203795	0.371917	0.0592325	3.41E-10	0.0283383	0.0227514	0.212924	0.2426936	6	0.73512747
ENSG00000250312	4	ZNF718	124386	rs7660115	4	127978	T	C	0.547714	0.00983341	0.00811794	0.225773	-0.833916	0.0770017	2.49E-27	-0.0117918	0.00979542	0.2286624	0.66239	20	0.74543747
ENSG00000250892	4	RP11-1365D11.1	195198	rs28637238	4	157597	C	G	0.544732	0.00963875	0.00812586	0.235551	-0.509803	0.0925669	3.64E-08	-0.0189068	0.0163047	0.2462153	0.5884109	8	0.76123939
ENSG00000182903	4	ZNF721	419604	rs61793688	4	397047	T	C	0.324056	0.00384433	0.00832397	0.644197	-0.37105	0.0560427	3.57E-11	-0.0103607	0.0224881	0.6450002	0.9714075	18	0.92308109
ENSG00000242686	4	RP11-1191J2.2	646639	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	-1.32293	0.0848173	7.58E-55	0.00606685	0.00831355	0.4655402	0.2889826	20	0.86418667
ENSG00000169026	4	MFSD7	675618	rs28655411	4	672177	C	G	0.195825	-0.003542	0.00973626	0.716015	0.584617	0.0766171	2.34E-14	-0.0060586	0.016673	0.7163234	0.3133783	20	0.94509525
ENSG00000127419	4	TMEM175	926175	rs2306244	4	862502	C	T	0.166998	0.0247619	0.0141585	0.0803064	-0.410986	0.0626075	5.22E-11	-0.06025	0.0356517	0.09103581	0.4433016	6	0.64948716
ENSG00000145217	4	SLC26A1	972861	rs11936407	4	987276	C	T	0.638171	0.00631186	0.00902571	0.484352	-0.757442	0.0667475	7.60E-30	-0.0083331	0.0119386	0.4851798	0.215321	20	0.8675339
ENSG00000159674	4	SPON2	1160720	rs3822017	4	1236312	T	C	0.435388	-0.0060526	0.00808216	0.453926	-0.400978	0.0636649	3.01E-10	0.0150946	0.0202981	0.4570902	0.2375704	20	0.86418667
ENSG00000163945	4	UVSSA	1341054	rs6820344	4	1185522	A	G	0.539761	-0.0093996	0.00825655	0.254936	-0.371876	0.0499768	9.99E-14	0.0252762	0.0224608	0.2604421	0.6569269	20	0.7755295
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.45045	0.150185	4.56E-22	-0.0118338	0.0167513	0.4799162	0.7772126	20	0.86437113
ENSG00000168936	4	TMEM129	1717679	rs28499138	4	1736737	C	T	0.440358	0.00185476	0.00842665	0.825788	-0.241648	0.0405645	2.57E-09	-0.0076755	0.0348954	0.8259051	0.8886062	5	0.97474496
ENSG00000013810	4	TACC3	1723227	rs1793990	4	1722187	A	G	0.177932	0.00493011	0.0134413	0.713776	-0.828477	0.10203	4.66E-16	-0.0059508	0.0162407	0.7140558	0.9376031	14	0.94509525
ENSG00000125388	4	GRK4	2965335	rs28619042	4	2965344	T	G	0.37674	0.00578663	0.00814066	0.47719	-0.627017	0.0686396	6.55E-20	-0.0092288	0.0130224	0.478518	0.3364078	20	0.86418667
ENSG00000109758	4	HGFAC	3443614	rs1055711	4	3433782	A	T	0.247515	0.00145541	0.00880434	0.868703	0.513	0.0641731	1.31E-15	0.00283706	0.0171661	0.868731	0.8412865	16	0.98554401
ENSG00000175920	4	DOK7	3465033	rs1203103	4	3463882	C	G	0.378728	0.0187055	0.00815775	0.0218494	0.440639	0.0777762	1.47E-08	0.0424509	0.0199723	0.03354579	0.4514507	6	0.45862237
ENSG00000261643	4	RP11-529E10.6	3505324	rs3468	4	3505448	A	G	0.348907	0.0109854	0.00806661	0.173251	-0.508681	0.0638227	1.58E-15	-0.0215959	0.0160877	0.1794723	0.7292257	15	0.69774631
ENSG00000163956	4	LRPAP1	3508103	rs11729369	4	3509962	C	A	0.22167	-0.0039654	0.0108249	0.714126	0.461335	0.056247	2.37E-16	-0.0085955	0.0234877	0.7143983	0.4146424	20	0.94509525
ENSG00000251669	4	FAM86EP	3943487	rs7655677	4	3961169	G	A	0.399602	0.00282858	0.00858681	0.741845	0.469946	0.0624729	5.38E-14	0.00601895	0.0182894	0.7420843	0.9418838	19	0.95070034
ENSG00000168824	4	NSG1	4349867	rs10015223	4	4388874	G	C	0.929423	0.00223505	0.0150538	0.881971	-0.41516	0.0734782	1.60E-08	-0.0053836	0.0362728	0.8820116	0.86102	10	0.98658093
ENSG00000251580	4	RP11-539L10.3	6672452	rs62289364	4	6673300	A	G	0.161034	-0.0039427	0.011301	0.72718	-0.962452	0.117057	2.00E-16	0.0040965	0.0117524	0.7274157	0.6382981	16	0.94746148
ENSG00000170801	4	HTRA3	8271492	rs13150043	4	8274500	T	C	0.309145	-0.002453	0.00855862	0.774414	0.386607	0.0668493	7.33E-09	-0.0063448	0.0221649	0.7746832	0.805104	11	0.95939787
ENSG00000251615	4	RP11-774O3.3	8356817	rs6824623	4	8365580	C	T	0.208748	0.00750646	0.0101532	0.459714	0.625134	0.0836607	7.88E-14	0.0120078	0.0163209	0.4618967	0.5333621	7	0.86418667
ENSG00000087008	4	ACOX3	8368009	rs28551127	4	8394492	C	T	0.0805169	0.00230102	0.0203414	0.909935	0.605684	0.108033	2.06E-08	0.00379904	0.033591	0.9099536	0.6532597	5	0.98802498
ENSG00000155275	4	TRMT44	8437867	rs4632643	4	8494206	T	C	0.49503	0.00506301	0.00805645	0.529715	0.403459	0.0544933	1.32E-13	0.012549	0.0200403	0.5311903	0.1840418	20	0.88585906
ENSG00000205959	4	RP11-689P11.2	8483997	rs1543246	4	8504909	T	A	0.641153	0.00135686	0.00827715	0.869787	-0.533187	0.0529535	7.58E-24	-0.0025448	0.015526	0.8698046	0.3735085	20	0.9857428
ENSG00000169676	4	DRD5	9783258	rs1533615	4	9804524	C	T	0.960239	0.00571435	0.0231053	0.804663	-0.681898	0.107292	2.08E-10	-0.0083801	0.0339095	0.8048071	0.5644582	11	0.96661161
ENSG00000273133	4	RP11-799M12.2	15565321	rs1134634	4	15603069	C	G	0.610338	-0.0064485	0.00811791	0.426991	0.676027	0.101255	2.45E-11	-0.0095388	0.012093	0.4302361	0.3651501	7	0.86418667
ENSG00000237765	4	FAM200B	15683285	rs10939627	4	15620327	C	T	0.747515	0.00725847	0.00990493	0.463672	0.398312	0.0612177	7.69E-11	0.0182231	0.0250245	0.4664852	0.7048075	14	0.86418667
ENSG00000004468	4	CD38	15779898	rs4698413	4	15737882	T	C	0.562624	0.00235747	0.0081332	0.771925	-0.387414	0.0495799	5.54E-15	-0.0060851	0.021008	0.7720776	0.6181152	7	0.95800023
ENSG00000007062	4	PROM1	15964699	rs1554243	4	16063055	G	A	0.753479	-0.0032291	0.00905784	0.721468	0.383706	0.0629791	1.11E-09	-0.0084155	0.0236466	0.7219245	0.8125358	14	0.94509525
ENSG00000249506	4	ZEB2P1	16362309	rs7673302	4	16411757	A	G	0.26839	-0.0082691	0.00899659	0.358026	1.21405	0.10408	1.93E-31	-0.0068111	0.00743336	0.3595135	0.775182	20	0.840274
ENSG00000163138	4	PACRGL	20697905	rs7660187	4	20740426	G	A	0.514911	9.69E-05	0.00821156	0.990581	-0.647685	0.0793754	3.36E-16	-0.0001497	0.0126783	0.990581	0.4679219	20	0.99595203
ENSG00000249948	4	GBA3	22694537	rs28378518	4	22797248	A	G	0.158052	-0.0056588	0.0126344	0.654237	1.33455	0.09987	9.96E-41	-0.0042402	0.00947248	0.6544175	0.7721822	20	0.9271714
ENSG00000053900	4	ANAPC4	25378835	rs9654100	4	25397695	T	G	0.550696	0.0118828	0.00829953	0.152217	-0.362918	0.0455934	1.72E-15	-0.0327424	0.0232359	0.1587967	0.3279255	20	0.68549033
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.841962	0.0771139	9.41E-28	0.00267212	0.00971498	0.783277	0.1554951	20	0.96107293
ENSG00000249228	4	RP11-769N22.1	29048213	rs34477336	4	28452567	T	C	0.305169	-0.0094606	0.00887921	0.28666	0.484018	0.0869073	2.56E-08	-0.019546	0.0186775	0.2953307	0.6306055	7	0.80043284
ENSG00000169299	4	PGM2	37828255	rs35282905	4	37821847	A	G	0.604374	0.00071029	0.00853622	0.933686	-0.486017	0.0566853	1.00E-17	-0.0014614	0.0175645	0.9336888	0.9353253	20	0.99347767
ENSG00000065882	4	TBC1D1	37892708	rs2003409	4	37987024	T	A	0.513917	-0.0032066	0.00807165	0.691167	-0.407163	0.0659146	6.53E-10	0.00787557	0.0198651	0.691771	0.5536452	8	0.94002195
ENSG00000231160	4	RP11-617D20.1	38614322	rs337625	4	38629653	T	C	0.126243	-0.016283	0.0116585	0.162513	-0.811302	0.0937051	4.80E-18	0.0200702	0.0145559	0.1679446	0.6424358	13	0.68831561
ENSG00000249685	4	RP11-360F5.3	39135533	rs35737896	4	39130955	G	A	0.575547	0.00635199	0.00818408	0.437666	0.61939	0.0895753	4.69E-12	0.0102552	0.0132961	0.4405313	0.5801892	10	0.86418667
ENSG00000134962	4	KLB	39408473	rs17510142	4	39455742	A	G	0.202783	-0.0076235	0.00969772	0.431802	-1.0247	0.0968568	3.71E-26	0.00743973	0.00949005	0.4330692	0.5767666	20	0.86418667
ENSG00000163682	4	RPL9	39455744	rs2125313	4	39458051	G	A	0.67992	0.000294	0.00844844	0.97224	-0.797411	0.0475073	3.14E-63	-0.0003687	0.0105949	0.9722397	0.5791645	20	0.99481287
ENSG00000014824	4	SLC30A9	41992489	rs28403249	4	42099996	C	T	0.749503	0.00584403	0.00973941	0.54848	-0.259028	0.0387726	2.38E-11	-0.0225614	0.0377512	0.5500844	0.9515744	20	0.88759986
ENSG00000177752	4	YIPF7	44624086	rs11729540	4	44847970	T	C	0.294235	-0.0084923	0.00951263	0.371997	0.553121	0.0994144	2.64E-08	-0.0153534	0.0174181	0.378067	0.2602765	11	0.84640362
ENSG00000151806	4	GUF1	44680444	rs11724396	4	44725334	C	G	0.244533	-0.0205507	0.0105638	0.0517285	-0.779072	0.0676215	1.03E-30	0.0263784	0.0137514	0.05508124	0.5280097	20	0.55766034
ENSG00000163281	4	GNPDA2	44684217	rs11724396	4	44725334	C	G	0.244533	-0.0205507	0.0105638	0.0517285	0.702498	0.0596143	4.72E-32	-0.0292537	0.015241	0.05493254	0.5363128	20	0.55766034
ENSG00000273369	4	RP11-700J17.1	44695963	rs61549581	4	44694719	T	A	0.153082	0.0187065	0.0107284	0.0812213	0.761213	0.132073	8.23E-09	0.0245746	0.0147247	0.09512892	0.4812178	3	0.65086925
ENSG00000170448	4	NFXL1	47849257	rs6826122	4	47916346	G	C	0.977137	-0.0956639	0.0387364	0.013526	-1.55286	0.1943	1.33E-15	0.061605	0.026109	0.0182981	0.8442003	5	0.38945842
ENSG00000198515	4	CNGA1	47937994	rs321645	4	48008920	G	A	0.239563	0.00337932	0.0108055	0.754479	0.733334	0.0950707	1.22E-14	0.00460816	0.0147469	0.7546727	0.9170455	13	0.9539366
ENSG00000248184	4	RP11-231C18.1	55199059	rs28590763	4	55201384	G	T	0.411531	0.00905853	0.00815159	0.266457	0.51025	0.0783776	7.51E-11	0.0177531	0.0162068	0.2733348	0.5175241	4	0.78596916
ENSG00000128039	4	SRD5A3	56212276	rs13152212	4	56525438	T	C	0.026839	-0.0148821	0.0205314	0.468548	0.638512	0.109453	5.42E-09	-0.0233075	0.0324023	0.4719472	0.8588855	8	0.86418667
ENSG00000128040	4	SPINK2	57676026	rs113233441	4	57692773	T	C	0.0437376	0.0264667	0.0193423	0.171209	1.21566	0.157713	1.28E-14	0.0217715	0.0161597	0.1778937	0.5138244	3	0.69740293
ENSG00000269949	4	RP11-738E22.3	57827093	rs13113032	4	57827119	A	T	0.286282	0.00260725	0.00979536	0.790107	-0.826422	0.104753	3.04E-15	-0.0031549	0.0118595	0.7902234	0.08494633	20	0.96301985
ENSG00000163453	4	IGFBP7	57896939	rs10015212	4	57950623	G	A	0.751491	-0.000566	0.00951259	0.952555	0.407671	0.0470707	4.68E-18	-0.0013884	0.0233345	0.9525557	0.3108416	20	0.99347767
ENSG00000250125	4	RP11-707A18.1	65779999	rs2033944	4	65807695	C	T	0.147117	0.0108364	0.0149503	0.468558	0.641956	0.10739	2.26E-09	0.0168803	0.0234592	0.4717972	0.2530432	12	0.86418667
ENSG00000250075	4	RP11-584P21.2	68283023	rs62301110	4	68401896	C	T	0.275348	0.0233375	0.00872738	0.00749394	-0.597433	0.106892	2.28E-08	-0.039063	0.016194	0.01585693	0.57096	7	0.38322619
ENSG00000251185	4	RP11-542G1.1	76194278	rs7658297	4	76232211	A	G	0.539761	0.00554855	0.00805901	0.491144	0.572329	0.100522	1.24E-08	0.00969469	0.0141837	0.494284	0.9563957	12	0.86806745
ENSG00000163743	4	RCHY1	76404247	rs28520516	4	76357047	C	T	0.392644	-0.0023026	0.00806893	0.775363	0.244032	0.03911	4.39E-10	-0.0094357	0.0330996	0.7755919	0.1193195	14	0.95939787
ENSG00000138769	4	CDKL2	76503215	rs10033564	4	76636255	G	A	0.570577	-0.0048192	0.00841653	0.566928	-0.204098	0.0360635	1.52E-08	0.0236119	0.0414482	0.5688992	0.6919638	7	0.89834695
ENSG00000138744	4	NAAA	76831809	rs4859582	4	76907213	C	T	0.577535	0.00890462	0.00814161	0.274079	-0.682606	0.0697001	1.20E-22	-0.013045	0.0120014	0.2770545	0.3219692	18	0.78684318
ENSG00000138750	4	NUP54	77035812	rs6838303	4	77030255	T	C	0.132207	-0.0063545	0.012088	0.599106	0.577212	0.0658287	1.81E-18	-0.0110089	0.0209796	0.599762	0.5354349	20	0.90385749
ENSG00000189157	4	FAM47E	77135193	rs1876540	4	77190902	C	T	0.406561	-0.002111	0.0081231	0.794959	-0.711883	0.0602519	3.26E-32	0.00296537	0.0114135	0.7950078	0.5018897	20	0.965513
ENSG00000163749	4	CCDC158	77234154	rs56049812	4	77227676	C	A	0.434394	0.00126096	0.00812834	0.876718	-0.446489	0.0725006	7.35E-10	-0.0028242	0.0182108	0.8767566	0.6003606	16	0.98658093
ENSG00000138758	4	11-Sep	77870856	rs7677255	4	77922864	C	T	0.626243	0.00721747	0.00818197	0.377712	0.308638	0.0497116	5.35E-10	0.0233849	0.0267762	0.3824736	0.8554388	10	0.84640362
ENSG00000138767	4	CNOT6L	78634541	rs9996218	4	78750500	G	A	0.870775	-0.0129031	0.0109254	0.237596	0.47922	0.0667398	6.95E-13	-0.0269252	0.0231046	0.2438731	0.5525396	15	0.76083381
ENSG00000163291	4	PAQR3	79808281	rs2554395	4	79835899	T	G	0.823062	-0.0049263	0.0103818	0.635135	-0.242359	0.0438804	3.33E-08	0.0203265	0.0429943	0.6363762	0.3189194	5	0.92139094
ENSG00000152784	4	PRDM8	81105033	rs12711161	4	81128045	G	T	0.300199	-0.0007332	0.00841037	0.930535	0.301499	0.0500246	1.67E-09	-0.0024317	0.0278981	0.9305419	0.9670189	4	0.99339127
ENSG00000251022	4	THAP9-AS1	83814162	rs2305876	4	83821324	G	A	0.244533	-0.0193563	0.00989471	0.0504382	-0.534155	0.0454346	6.53E-32	0.0362372	0.0187787	0.05364456	0.809122	20	0.55358821
ENSG00000273389	4	RP13-514E23.2	86921480	rs934648	4	86923452	A	G	0.22167	0.00761686	0.00954542	0.424893	0.962087	0.0934685	7.56E-25	0.00791702	0.00995135	0.4262805	0.6806912	5	0.86418667
ENSG00000170509	4	HSD17B13	88224941	rs13130041	4	88229139	T	C	0.251491	-0.0055553	0.00973486	0.568227	0.916147	0.0924602	3.82E-23	-0.0060638	0.0106435	0.5688673	0.7990038	14	0.89834695
ENSG00000152583	4	SPARCL1	88394487	rs10028788	4	88430396	A	C	0.121272	-0.0012631	0.0132546	0.924079	-0.435557	0.075323	7.36E-09	0.00290003	0.0304355	0.9240888	0.5085141	12	0.99163855
ENSG00000029559	4	IBSP	88720733	rs1054627	4	88732692	A	G	0.328032	0.00782176	0.00849225	0.357026	0.621016	0.0876944	1.43E-12	0.0125951	0.0137899	0.3610564	0.4530404	20	0.840274
ENSG00000118762	4	PKD2	88928820	rs11728697	4	88898941	T	C	0.55666	0.0171772	0.00808664	0.0336574	-0.304531	0.0441409	5.23E-12	-0.0564054	0.0277845	0.04234622	0.8069517	20	0.50939963
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	1.09613	0.0773553	1.40E-45	-0.0124103	0.00751879	0.09882623	0.265364	20	0.65086925
ENSG00000138722	4	MMRN1	90800683	rs76707913	4	90835226	C	T	0.0377734	0.00933161	0.0240819	0.69839	1.52709	0.219136	3.20E-12	0.00611071	0.0157942	0.6988324	0.9970147	20	0.94245315
ENSG00000151247	4	EIF4E	99792835	rs7697071	4	99793264	A	G	0.408549	-0.002399	0.00841353	0.775543	0.205909	0.0326542	2.87E-10	-0.0116506	0.0409022	0.7757666	0.6431121	6	0.95939787
ENSG00000246090	4	RP11-696N14.1	100010008	rs111294979	4	99981615	C	T	0.0258449	-0.0084115	0.0225179	0.70874	0.866203	0.147002	3.81E-09	-0.0097108	0.0260483	0.7092968	0.7782487	6	0.94335681
ENSG00000109270	4	LAMTOR3	100799493	rs6829912	4	100792483	T	C	0.257455	0.00504494	0.00929148	0.587155	-0.347148	0.0366311	2.62E-21	-0.0145325	0.0268091	0.5877668	0.8319884	20	0.90020885
ENSG00000254531	4	AP001816.1	102268937	rs2850328	4	102268940	C	T	0.292247	0.0191753	0.00825514	0.0201883	-0.372754	0.0539107	4.70E-12	-0.0514422	0.0233627	0.02767242	0.1084104	11	0.43604346
ENSG00000248161	4	RP11-499E18.1	103339759	rs62329487	4	103275132	C	A	0.293241	0.0091703	0.00997119	0.35774	-0.572908	0.090483	2.43E-10	-0.0160066	0.0175872	0.3627546	0.8341512	6	0.840274
ENSG00000164039	4	BDH2	104000592	rs6830624	4	104020422	C	T	0.293241	-0.0016966	0.00962065	0.860019	0.248197	0.0364202	9.44E-12	-0.0068357	0.0387751	0.8600647	0.4784242	6	0.98554401
ENSG00000138777	4	PPA2	106290234	rs1994636	4	106362011	G	A	0.590457	-0.0078513	0.00806384	0.330232	0.409817	0.0598443	7.49E-12	-0.0191581	0.0198746	0.3350699	0.6786701	17	0.83123963
ENSG00000138780	4	GSTCD	106629935	rs72673891	4	106814302	G	A	0.0636183	-0.0020226	0.0228603	0.929498	0.6786	0.117861	8.53E-09	-0.0029805	0.0336914	0.9295066	0.437106	13	0.99313512
ENSG00000249465	4	RBMXP4	110267482	rs113560983	4	110243217	G	T	0.0467197	0.00242837	0.0189173	0.897858	-1.12721	0.185013	1.11E-09	-0.0021543	0.0167861	0.8978805	0.9663483	8	0.98658093
ENSG00000123739	4	PLA2G12A	110631145	rs10004377	4	110648124	T	G	0.593439	0.00609604	0.00839238	0.467607	0.33417	0.0582711	9.77E-09	0.0182423	0.0253148	0.4711431	0.7474771	9	0.86418667
ENSG00000109534	4	GAR1	110736666	rs10365	4	110745854	G	C	0.647117	-0.0110425	0.00819385	0.177768	0.59271	0.0831133	9.94E-13	-0.0186305	0.0140691	0.1854303	0.01028501	16	0.70163829
ENSG00000138658	4	C4orf21	113460492	rs78940827	4	113558640	A	C	0.117296	0.0271498	0.0126223	0.0314804	0.651585	0.0872097	7.93E-14	0.0416673	0.0201585	0.03873517	0.2394876	6	0.48691928
ENSG00000234841	4	RP11-119H12.4	113747463	rs6829775	4	113719791	C	T	0.342942	0.00879687	0.0083626	0.292832	0.569911	0.0927	7.85E-10	0.0154355	0.0148868	0.2998003	0.00339149	4	0.80679018
ENSG00000269893	4	SNHG8	119199864	rs13132331	4	119153731	C	T	0.27336	0.0109788	0.00900224	0.222632	-0.420918	0.0591616	1.12E-12	-0.026083	0.0216991	0.2293514	0.2359585	20	0.74543747
ENSG00000260404	4	RP11-384K6.6	119512928	rs10006526	4	119515483	G	C	0.338966	0.00652874	0.0080908	0.419705	-0.485568	0.0577498	4.17E-17	-0.0134456	0.0167391	0.4218342	0.1950535	20	0.86418667
ENSG00000250412	4	KLHL2P1	120255484	rs7699346	4	120310542	T	C	0.282306	-0.0138541	0.00931298	0.136853	0.727928	0.106449	8.01E-12	-0.0190322	0.0130931	0.1460534	0.9859928	8	0.68107362
ENSG00000249244	4	RP11-548H18.2	120312986	rs6847075	4	120286043	T	A	0.285288	-0.0124284	0.00920162	0.176801	0.939865	0.0836234	2.62E-29	-0.0132236	0.00986081	0.1799119	0.9346137	13	0.69774631
ENSG00000245958	4	RP11-33B1.1	120375946	rs28491261	4	120294900	A	C	0.2833	-0.013844	0.00931691	0.137304	-1.05218	0.0830128	8.15E-37	0.0131574	0.0089155	0.1399992	0.7330662	9	0.67926006
ENSG00000164111	4	ANXA5	122589110	rs13109053	4	122599447	A	G	0.312127	0.00512921	0.00900707	0.56904	-0.500979	0.0406916	7.84E-35	-0.0102384	0.0179982	0.5694534	0.4409494	19	0.89834695
ENSG00000151470	4	C4orf33	130014472	rs530686	4	130039884	G	A	0.590457	-0.0057054	0.00826942	0.490232	-0.57119	0.0643715	7.10E-19	0.00998862	0.0145212	0.4915388	0.7766241	18	0.86806745
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.95575	0.0816668	1.23E-31	-0.0098518	0.0149051	0.5086335	0.5240421	10	0.87498098
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.815997	0.125088	6.87E-11	-0.011539	0.0175195	0.5101266	0.7151482	4	0.87661057
ENSG00000153132	4	CLGN	141309609	rs61562523	4	141344232	A	G	0.0775348	-0.0070935	0.0146566	0.628401	-0.449112	0.082356	4.94E-08	0.0157944	0.0327629	0.629747	0.8549279	5	0.91898413
ENSG00000246448	4	RP13-578N3.3	144621410	rs4342150	4	144796354	G	T	0.468191	-0.0044637	0.0080814	0.580714	-0.559217	0.0775793	5.66E-13	0.00798205	0.0144936	0.5818202	0.1690049	11	0.89957103

ENSG00000251600	4	RP11-673E1.1	144833484	rs34680080	4	144718443	C	A	0.343936	0.00227089	0.00855778	0.790731	-0.946954	0.0817917	5.35E-31	-0.0023981	0.00903954	0.790786	0.9982606	11	0.96303133
ENSG00000164167	4	LSM6	147096837	rs9308199	4	147102862	T	C	0.355865	0.00201106	0.0084087	0.810978	0.367394	0.0599452	8.85E-10	0.00547385	0.0229048	0.8111193	0.03115413	7	0.97005522
ENSG00000250673	4	RP11-6L6.2	147145709	rs919482	4	147095630	T	C	0.352883	0.00352996	0.00841116	0.674722	0.471262	0.0753289	3.95E-10	0.00749044	0.0178883	0.6754101	0.1230767	11	0.93372697
ENSG00000059691	4	PET112	152591656	rs7680604	4	152469917	T	C	0.488072	-0.0008248	0.00806188	0.918511	-0.312985	0.0469368	2.59E-11	0.00263528	0.0257611	0.9185209	0.802637	20	0.98963816
ENSG00000245954	4	RP11-18H21.1	153021906	rs6843300	4	153032049	C	T	0.798211	0.0176993	0.00928975	0.0567479	-0.58863	0.104178	1.60E-08	-0.0300686	0.0166551	0.07101599	0.02665765	7	0.60077456
ENSG00000164144	4	ARFIP1	153701089	rs12650788	4	153813812	A	G	0.610338	-0.0052041	0.00836839	0.534021	0.311699	0.0451436	5.03E-12	-0.016696	0.0269563	0.5356711	0.81497	15	0.88585906
ENSG00000145428	4	RNF175	154631277	rs7653960	4	154697430	G	T	0.706759	-0.0025581	0.00894138	0.774804	-0.23378	0.0420518	2.71E-08	0.0109423	0.0382976	0.7750936	0.5726819	7	0.95939787
ENSG00000250538	4	RP11-92A5.2	156127681	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.37893	0.173657	2.01E-15	0.0178137	0.0107886	0.09870569	0.1350953	11	0.65086925
ENSG00000185149	4	NPY2R	156129781	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.22796	0.126186	2.22E-22	0.0200037	0.0120271	0.09626809	0.2095698	9	0.65086925
ENSG00000151790	4	TDO2	156775890	rs1606603	4	156766822	T	C	0.862823	-0.0014028	0.0120734	0.907505	0.509166	0.0809345	3.15E-10	-0.002755	0.0237162	0.9075208	0.7738077	10	0.98710612
ENSG00000248429	4	RP11-597D13.9	159091904	rs12648410	4	159094786	C	T	0.851889	-0.0127427	0.011068	0.249605	1.14903	0.0980259	9.87E-32	-0.01109	0.00967882	0.2518794	0.5904779	16	0.76610014
ENSG00000171503	4	ETFDH	159593277	rs11559290	4	159601676	T	C	0.863817	0.0186238	0.01518	0.219876	0.57314	0.0704225	4.00E-16	0.0324943	0.0267849	0.2250696	0.3965431	8	0.74274316
ENSG00000271817	4	U3	159621843	rs6536365	4	159632293	A	C	0.289264	-0.0088001	0.0091931	0.338438	0.56747	0.100507	1.64E-08	-0.0155077	0.0164313	0.3452788	0.2664011	5	0.83512753
ENSG00000273449	4	RP11-218F10.3	164450923	rs958855	4	164451641	G	A	0.580517	-0.0075382	0.00830091	0.363819	-0.688101	0.0815106	3.12E-17	0.010955	0.0121331	0.3665772	0.2369585	14	0.840274
ENSG00000250486	4	FAM218A	165878100	rs13141120	4	165913175	A	C	0.16004	0.00705718	0.0111424	0.526496	-0.729851	0.102997	1.38E-12	-0.0096693	0.0153275	0.5281401	0.215237	19	0.88585906
ENSG00000109576	4	AADAT	170981373	rs11736939	4	171031170	T	C	0.0735586	-0.0012053	0.0173385	0.944581	-0.550144	0.0995748	3.30E-08	0.00219081	0.0315188	0.9445853	0.9583408	16	0.99347767
ENSG00000174473	4	GALNTL6	172733405	rs333008	4	172868501	C	T	0.531809	-0.0059622	0.0081253	0.46308	0.204767	0.0368957	2.86E-08	-0.0291171	0.040026	0.4669473	0.459131	5	0.86418667
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.559102	0.0472324	2.51E-32	0.00033428	0.0146491	0.9817945	0.4801335	20	0.99550269
ENSG00000248174	4	RP11-148L24.1	175015811	rs75632645	4	175040059	C	T	0.105368	0.017567	0.0137513	0.201435	1.52094	0.140762	3.26E-27	0.0115501	0.00910429	0.2045683	0.7238777	13	0.72742806
ENSG00000249106	4	RP11-806K15.1	176711458	rs78640136	4	176721419	G	A	0.0447316	0.0536789	0.0178709	0.0026671	-1.00591	0.160102	3.32E-10	-0.0533635	0.0196917	0.00672947	0.2162725	6	0.30017552
ENSG00000164122	4	ASB5	177134824	rs2170575	4	177167057	A	G	0.463221	0.00406281	0.00813276	0.617383	0.547917	0.0911324	1.83E-09	0.00741501	0.0148942	0.618593	0.3182563	4	0.9133817
ENSG00000038002	4	AGA	178351924	rs13149149	4	178360550	T	C	0.341948	0.0044973	0.00832365	0.588989	-0.632018	0.0605305	1.61E-25	-0.0071158	0.0131876	0.5894854	0.3758386	8	0.90020885
ENSG00000271538	4	RP11-326I11.4	185427614	rs1991229	4	185458709	T	C	0.737575	-0.0091099	0.00857442	0.288029	-0.716296	0.0755753	2.59E-21	0.0127181	0.0120455	0.2910407	0.3162785	9	0.79754094
ENSG00000164306	4	PRIMPOL	185570767	rs12108497	4	185571557	T	C	0.291252	-0.0099329	0.008665	0.251659	0.429241	0.063406	1.29E-11	-0.0231407	0.0204742	0.2583753	0.878848	20	0.7730622
ENSG00000164323	4	KIAA1430	186080819	rs11736380	4	186101781	A	T	0.473161	-0.0042474	0.00804038	0.597316	0.239574	0.0387222	6.13E-10	-0.0177291	0.0336833	0.5986461	0.8305437	13	0.90385749
ENSG00000109771	4	LRP2BP	186285032	rs6815168	4	186325429	C	T	0.0984095	-0.0008579	0.0181194	0.962239	-0.735783	0.094731	8.03E-15	0.0011659	0.0246265	0.9622395	0.3544629	16	0.99347767
ENSG00000109775	4	UFSP2	186320694	rs11132303	4	186347073	C	G	0.714712	-0.0196355	0.0096117	0.0410648	0.804883	0.0661815	4.97E-34	-0.0243955	0.012109	0.04394132	0.9644336	20	0.51600058
ENSG00000168491	4	CCDC110	186366336	rs9999033	4	186391323	A	G	0.193837	-0.0010601	0.0103919	0.918745	0.586784	0.0866309	1.26E-11	-0.0018067	0.0177119	0.9187539	0.09403969	6	0.98963816
ENSG00000109794	4	FAM149A	187025573	rs4241814	4	187093018	T	G	0.599404	-0.0040934	0.0080608	0.611581	0.459315	0.0507757	1.48E-19	-0.008912	0.0175772	0.6121409	0.3525548	18	0.90887032
ENSG00000145476	4	CYP4V2	187112674	rs2292426	4	187120753	G	A	0.673956	-0.0077475	0.00868372	0.37229	-0.493373	0.0478761	6.68E-25	0.0157032	0.0176666	0.3740749	0.3097384	20	0.84345932
ENSG00000164344	4	KLKB1	187130133	rs62350518	4	187118358	T	C	0.176938	0.00884754	0.0124287	0.476551	0.653018	0.0853644	2.01E-14	0.0135487	0.0191149	0.4784478	0.5499788	5	0.86418667
ENSG00000164366	5	CCDC127	196986	rs13474	5	205077	C	G	0.148111	0.0123714	0.010352	0.232058	0.589149	0.0719048	2.54E-16	0.0209988	0.017757	0.2369834	0.9402468	17	0.75264543
ENSG00000063438	5	AHRR	304291	rs28430503	5	281213	T	C	0.0606362	-0.0175187	0.0164121	0.285779	0.912471	0.125413	3.45E-13	-0.0191992	0.018179	0.2909132	0.8326374	20	0.79754094
ENSG00000221990	5	C5orf55	441645	rs10078	5	438102	T	G	0.784294	0.00073806	0.0113182	0.948007	0.595586	0.0758556	4.11E-15	0.00123921	0.0190041	0.9480088	0.01014662	20	0.99347767
ENSG00000180104	5	EXOC3	443273	rs957791	5	430217	T	C	0.468191	0.0210534	0.00810507	0.00938901	-0.535663	0.0593295	1.74E-19	-0.0393034	0.0157447	0.01254965	0.8762785	20	0.3603961
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	1.20812	0.0818182	2.43E-49	0.00277228	0.00735923	0.7063905	0.2242597	20	0.94255443
ENSG00000066230	5	SLC9A3	473425	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	1.0128	0.0799725	9.32E-37	0.00330692	0.0087795	0.7064232	0.2256755	20	0.94255443
ENSG00000171368	5	TPPP	660883	rs35696919	5	686244	A	C	0.16501	0.0147628	0.0120077	0.218907	0.29466	0.038098	1.04E-14	0.0501011	0.0412627	0.2246715	0.7354767	20	0.74274316
ENSG00000249908	5	CTD-2589H19.4	767512	rs6555453	5	744275	T	C	0.82505	-0.0090012	0.0111227	0.418367	-0.612022	0.110915	3.43E-08	0.0147073	0.0183681	0.4233073	0.2744728	6	0.86418667
ENSG00000028310	5	BRD9	850406	rs16903688	5	946680	T	C	0.0407555	0.0330072	0.0175852	0.0605202	0.796065	0.138027	8.05E-09	0.0414629	0.0232306	0.07428638	0.4000242	5	0.60886527
ENSG00000145506	5	NKD2	1008944	rs882623	5	1029851	C	T	0.512922	0.0100473	0.00808286	0.213855	-0.573417	0.065438	1.91E-18	-0.0175218	0.0142371	0.2184288	0.06098905	20	0.74274316
ENSG00000250584	5	RP11-325I22.2	1363697	rs4975544	5	1379743	A	G	0.307157	0.0118457	0.00987834	0.230468	-0.306242	0.0491005	4.46E-10	-0.0386808	0.0328474	0.2389596	0.9827494	4	0.75539465
ENSG00000185986	5	SDHAP3	1568637	rs111868694	5	1600294	C	T	0.130219	0.00075839	0.012515	0.951679	-0.45725	0.081318	1.88E-08	-0.0016586	0.0273717	0.951682	0.07174256	11	0.99347767
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.15996	0.0773754	8.37E-51	0.00351558	0.00721617	0.6261304	0.8084616	20	0.91584712
ENSG00000232615	5	CTD-2012J19.1	1614951	rs10061756	5	1630142	A	G	0.236581	-0.005788	0.00932053	0.534604	0.64762	0.109153	2.97E-09	-0.0089373	0.0144706	0.5368252	0.8755628	7	0.88585906
ENSG00000171421	5	MRPL36	1798500	rs10447190	5	1820443	A	G	0.642147	0.0113056	0.00842143	0.17944	-0.3454	0.0565442	1.01E-09	-0.0327319	0.0249635	0.1897942	0.6156158	4	0.70253861
ENSG00000250490	5	CTD-2324F15.2	6310554	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	0.654856	0.0769145	1.68E-17	0.00382941	0.0123037	0.7556187	0.02632076	10	0.9539366
ENSG00000133398	5	MED10	6371994	rs905140	5	6375337	G	A	0.496024	0.00251419	0.00805175	0.754849	-0.280703	0.0474095	3.20E-09	-0.0089568	0.0287241	0.7551769	0.09041709	3	0.9539366
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-1.01047	0.059545	1.37E-64	-0.0005834	0.00805383	0.9422526	0.5719378	20	0.99347767
ENSG00000145545	5	SRD5A1	6633456	rs248805	5	6645016	G	A	0.531809	0.0128397	0.00807832	0.11197	0.173686	0.0313172	2.92E-08	0.0739248	0.0483834	0.1265382	0.9521913	4	0.6648136
ENSG00000250060	5	RP11-332J15.2	6868672	rs1074437	5	6872682	G	A	0.382704	-0.0136968	0.00884086	0.12132	-0.669539	0.0799705	5.65E-17	0.0204571	0.0134286	0.127659	0.6319631	7	0.6660315
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.425304	0.05542	1.66E-14	-0.0113456	0.0192544	0.555696	0.5544511	17	0.89043924
ENSG00000250786	5	SNHG18	9546312	rs59758866	5	9546372	G	C	0.300199	-0.0004098	0.0098573	0.966837	-0.517791	0.0669695	1.06E-14	0.00079148	0.0190375	0.9668376	0.2362435	12	0.99444636
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.806585	0.0864892	1.10E-20	-0.0062988	0.0107066	0.5563227	0.9890108	20	0.89043924
ENSG00000112977	5	DAP	10679342	rs11740244	5	10761009	G	C	0.709742	-0.009476	0.00908752	0.297066	-0.259436	0.0467741	2.91E-08	0.0365253	0.0356416	0.3054609	0.8343736	5	0.81037998
ENSG00000039139	5	DNAH5	13690440	rs2582687	5	14013695	T	C	0.418489	-0.0081764	0.00804641	0.309557	0.466876	0.0816698	1.09E-08	-0.0175129	0.0175047	0.3170838	0.8747764	14	0.81665079
ENSG00000248150	5	RP1-167G20.1	16373470	rs17650129	5	16487330	T	G	0.270378	0.0220694	0.00964496	0.0221269	0.71471	0.0923818	1.02E-14	0.0308788	0.0140728	0.02821964	0.9611018	12	0.43604346
ENSG00000271892	5	CTD-2228A4.1	17107469	rs632754	5	17145142	A	G	0.34493	-0.0007489	0.00880559	0.932227	0.87707	0.0807555	1.77E-27	-0.0008538	0.0100401	0.932229	0.6138132	20	0.99347767
ENSG00000215196	5	AC091878.1	17130137	rs624867	5	17139187	A	C	0.869781	-0.0077119	0.0116056	0.506372	-0.367111	0.0493207	9.82E-14	0.021007	0.0317391	0.5080566	0.6140455	8	0.87498098
ENSG00000248455	5	RP11-321E2.3	17404128	rs17626779	5	17404430	C	G	0.242545	0.00595186	0.0096271	0.536418	-0.488935	0.079813	9.01E-10	-0.0121731	0.01979	0.5384783	0.5442997	6	0.88612583
ENSG00000249937	5	RP11-454P21.1	17684693	rs10064153	5	17802524	A	C	0.748509	0.00090916	0.00887714	0.918427	-0.687231	0.0974611	1.77E-12	-0.0013229	0.0129186	0.9184355	0.9573828	20	0.98963816
ENSG00000183666	5	GUSBP1	21341942	rs148024410	5	21464597	C	T	0.138171	-0.0238935	0.0139389	0.0864988	1.44586	0.137754	9.02E-26	-0.0165255	0.00976828	0.09069427	0.2324325	20	0.64948716
ENSG00000272130	5	RP11-360I2.1	21569864	rs71617525	5	21501875	T	C	0.139165	-0.0259629	0.013993	0.063536	1.37987	0.138587	2.36E-23	-0.0188155	0.0103154	0.06814896	0.2391687	20	0.59485717
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-0.951453	0.103749	4.70E-20	-0.0090858	0.0102209	0.3740355	0.3056328	16	0.84345932
ENSG00000242110	5	AMACR	33986283	rs10941112	5	34004707	T	C	0.503976	-0.0141563	0.00810468	0.0806938	0.86517	0.0525932	8.35E-61	-0.0163624	0.00942039	0.08240156	0.5206915	20	0.62995152
ENSG00000152582	5	SPEF2	35617946	rs34682820	5	35674769	A	G	0.398608	-0.0067723	0.00856596	0.429178	0.616275	0.0536736	1.63E-30	-0.010989	0.0139325	0.4302683	0.7261389	20	0.86418667
ENSG00000251141	5	RP11-53O19.1	44745002	rs563788155	5	44921968	A	T	0.0119284	0.0881836	0.0416778	0.0343582	1.24655	0.182455	8.37E-12	0.0707421	0.0350011	0.0432655	0.00010795	11	0.51451607
ENSG00000164172	5	MOCS2	52391509	rs10471831	5	52416716	A	T	0.131213	-0.0007196	0.0149349	0.961569	-0.284873	0.0475671	2.11E-09	0.00252618	0.0524282	0.9615699	0.7519758	6	0.99347767
ENSG00000247796	5	CTD-2366F13.1	52405672	rs62359378	5	52414791	A	G	0.324056	0.00720601	0.00858943	0.401503	0.575973	0.0747897	1.35E-14	0.012511	0.0150011	0.404278	0.01175654	10	0.85512444
ENSG00000178996	5	SNX18	53813589	rs2897743	5	53756309	G	C	0.187873	0.0087768	0.0127368	0.490768	-0.336965	0.0583119	7.53E-09	-0.0260466	0.0380664	0.4938223	0.2949224	5	0.86806745
ENSG00000152669	5	CCNO	54526980	rs334881	5	54520702	G	A	0.11829	0.0174386	0.011456	0.127953	-0.666569	0.0726603	4.57E-20	-0.0261617	0.0174215	0.1331769	0.06039511	20	0.67365314
ENSG00000177058	5	SLC38A9	54921673	rs76886972	5	54886355	A	G	0.0168986	0.0172678	0.0331382	0.602307	-1.17198	0.201342	5.86E-09	-0.0147339	0.0283885	0.6037545	0.8075268	13	0.90516446
ENSG00000152670	5	DDX4	55033845	rs72760037	5	54984585	T	C	0.645129	0.00925113	0.00856822	0.280275	0.495619	0.0801271	6.19E-10	0.0186658	0.0175493	0.2875009	0.8425184	9	0.79641232
ENSG00000155542	5	SETD9	56205087	rs185220	5	56205357	G	A	0.837972	-0.0059765	0.0106623	0.575119	1.25307	0.105112	9.17E-33	-0.0047695	0.00851834	0.575543	0.235379	20	0.89834695
ENSG00000178722	5	C5orf64	60933535	rs153379	5	61002805	A	T	0.331014	-0.0051426	0.00921721	0.576891	-0.446519	0.0605287	1.62E-13	0.011517	0.0207013	0.5779761	0.04918852	7	0.89834695
ENSG00000251575	5	CTD-2170G1.2	61028601	rs2937835	5	61025954	G	T	0.428429	-0.0077066	0.00827479	0.351681	0.405728	0.0640014	2.31E-10	-0.0189945	0.0206138	0.3568187	0.3106214	5	0.840274
ENSG00000164197	5	RNF180	63461671	rs10461381	5	63734463	T	C	0.742545	0.0193427	0.00981274	0.0487035	0.305048	0.0550883	3.07E-08	0.0634087	0.0341452	0.06330663	0.6234541	15	0.58240816
ENSG00000113593	5	PPWD1	64859063	rs6896398	5	64832460	A	T	0.61829	-0.0160357	0.00805233	0.0464333	0.38885	0.0511696	2.98E-14	-0.0412388	0.0214073	0.05405598	0.1215516	20	0.55477726
ENSG00000113597	5	TRAPPC13	64920543	rs12153235	5	64924408	T	C	0.287276	0.00319952	0.00888517	0.718775	0.256618	0.0454703	1.66E-08	0.012468	0.0346945	0.7193214	0.8681767	3	0.94509525
ENSG00000253203	5	GUSBP3	68790040	rs111743460	5	68929183	G	C	0.568588	0.00940679	0.00870377	0.279799	-0.681839	0.0773274	1.17E-18	-0.0137962	0.0128607	0.2833861	0.7115351	3	0.79294433
ENSG00000250138	5	RP11-848G14.5	68927790	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.592525	0.0920297	1.21E-10	-0.0135327	0.0182166	0.4575566	0.6948713	3	0.86418667
ENSG00000226259	5	GTF2H2B	69711179	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.10879	0.0981501	1.36E-29	-0.0072317	0.0096909	0.4555239	0.02596083	6	0.86418667
ENSG00000172058	5	SERF1A	70196492	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.999902	0.0931085	6.67E-27	-0.0080192	0.0107487	0.4556286	0.02232688	6	0.86418667
ENSG00000145736	5	GTF2H2	70330784	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.841609	0.0977618	7.38E-18	0.0238664	0.0111993	0.0330841	0.03337523	4	0.45862237
ENSG00000230847	5	RP11-195E2.1	70370052	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.769724	0.0859315	3.32E-19	0.0260953	0.0122166	0.0326743	0.05489872	3	0.45862237
ENSG00000131711	5	MAP1B	71403061	rs72761109	5	71506529	T	C	0.311133	0.014635	0.00901952	0.104676	0.266594	0.0322403	1.35E-16	0.0548962	0.0344776	0.1113337	0.666841	15	0.65086925
ENSG00000113048	5	MRPS27	71515236	rs6831	5	71515616	G	A	0.65507	0.00454141	0.00814031	0.576918	-0.427904	0.0455315	5.56E-21	-0.0106132	0.0190572	0.5775882	0.3309778	17	0.89834695
ENSG00000157111	5	TMEM171	72416119	rs481619	5	72412602	A	G	0.315109	0.0159416	0.00931064	0.086862	0.505398	0.07068	8.65E-13	0.0315427	0.0189432	0.09588863	0.8417578	10	0.65086925
ENSG00000164338	5	UTP15	72861268	rs343118	5	72876776	A	C	0.269384	-0.0189607	0.00878342	0.0308738	-0.593485	0.0766602	9.80E-15	0.0319481	0.0153643	0.03758341	0.409853	19	0.4779761
ENSG00000248673	5	CTC-419K13.1	73665201	rs432309	5	73648347	G	A	0.898608	-0.0285057	0.0118835	0.0164505	0.560682	0.1027	4.78E-08	-0.0508411	0.0231504	0.0280829	0.2874807	3	0.43604346
ENSG00000164346	5	NSA2	74062817	rs6870806	5	74067536	C	G	0.138171	-0.0151823	0.0126002	0.228233	1.53022	0.092442	1.52E-61	-0.0099217	0.00825603	0.229462	0.2516915	17	0.74543747
ENSG00000152359	5	POC5	74969949	rs3797581	5	75002895	T	G	0.188867	0.0165803	0.00991041	0.0943235	0.426328	0.0756629	1.75E-08	0.0388909	0.024249	0.108755	0.2669014	8	0.65086925
ENSG00000164251	5	F2RL1	76114758	rs13178844	5	76107988	T	C	0.513917	0.0163896	0.00815142	0.0443639	-0.615404	0.0800138	1.46E-14	-0.0266323	0.0136908	0.05174232	0.8355891	15	0.55150699
ENSG00000164253	5	WDR41	76721795	rs3797632	5	76729409	G	A	0.0666004	-0.0085585	0.0150943	0.570713	0.874183	0.116917	7.61E-14	-0.0097903	0.0173163	0.5718153	0.9082838	13	0.89834695
ENSG00000085365	5	SCAMP1	77656339	rs6867673	5	77779125	G	A	0.796223	0.0299643	0.00957581	0.00175303	-0.208322	0.0343452	1.32E-09	-0.143836	0.0517228	0.00542069	0.09608116	9	0.30017552
ENSG00000113273	5	ARSB	78073032	rs3098680	5	78153246	A	T	0.632207	-0.0028681	0.00847864	0.735159	-0.497965	0.0660265	4.63E-14	0.0057596	0.0170437	0.7354148	0.8410304	11	0.94997803
ENSG00000145692	5	BHMT	78407602	rs7700970	5	78411324	T	C	0.317097	-0.0072496	0.00932296	0.436802	-0.594838	0.0774863	1.63E-14	0.0121875	0.0157533	0.4391407	0.5571122	20	0.86418667
ENSG00000228716	5	DHFR	79922047	rs1650696	5	79951280	A	T	0.252485	0.00861033	0.00984454	0.381775	-0.833982	0.0741277	2.30E-29	-0.0103244	0.0118399	0.3832089	0.9334456	20	0.84640362
ENSG00000113318	5	MSH3	79950467	rs865644	5	80000152	G	A	0.704771	-0.0078754	0.00850867	0.35467	-0.468705	0.0782821	2.13E-09	0.0168024	0.0183692	0.3603464	0.461803	6	0.840274
ENSG00000251450	5	CTC-459I6.1	80243516	rs56202519	5	80239749	A	G	0.236581	0.00485568	0.0105503	0.645345	-0.425687	0.0669496	2.04E-10	-0.0114067	0.024849	0.6462055	0.9014268	9	0.92308109
ENSG00000247572	5	CKMT2-AS1	80499903	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	1.08169	0.0983203	3.75E-28	-0.0126856	0.00939431	0.1769037	0.3432055	12	0.69740293
ENSG00000248794	5	CTD-2248H3.1	80538149	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	0.835765	0.107789	8.93E-15	-0.0164184	0.0122511	0.1801933	0.5998486	11	0.69774631
ENSG00000152348	5	ATG10	81267844	rs4391141	5	81263522	A	T	0.23161	0.00452441	0.00978077	0.643664	0.940282	0.0985889	1.46E-21	0.00481176	0.0104142	0.6440533	0.3510735	20	0.92308109
ENSG00000186468	5	RPS23	81569177	rs226196	5	81576965	A	C	0.702783	-0.0054023	0.00871073	0.535137	0.922889	0.0659551	1.73E-44	-0.0058536	0.00944781	0.5355368	0.6523909	20	0.88585906
ENSG00000205464	5	ATP6AP1L	81575281	rs226199	5	81572464	C	G	0.701789	-0.0054114	0.00871124	0.534475	-0.892028	0.064197	6.78E-44	0.00606635	0.00977541	0.5348813	0.7360483	20	0.88585906
ENSG00000249664	5	CTD-2227C6.2	82308104	rs1478487	5	82376719	T	A	0.455268	0.00326602	0.00808227	0.686142	0.744151	0.0971447	1.86E-14	0.00438892	0.0108762	0.6865541	0.00105523	20	0.93671075
ENSG00000174695	5	TMEM167A	82348665	rs10514246	5	82365798	G	T	0.394632	-0.0017941	0.0081414	0.825587	-0.262907	0.0398737	4.30E-11	0.00682401	0.0309841	0.8256826	0.02109953	14	0.97474496
ENSG00000247828	5	TMEM161B-AS1	87564712	rs454693	5	87544213	G	A	0.734592	-0.0204249	0.00893386	0.0222403	-0.815385	0.0706087	7.56E-31	0.0250494	0.0111693	0.02491582	0.0587608	20	0.4293542
ENSG00000271904	5	CTC-498M16.4	87729709	rs6452788	5	87712913	A	G	0.270378	0.00215275	0.00962177	0.822962	0.65356	0.0848059	1.29E-14	0.00329388	0.0147283	0.823035	0.00915643	19	0.97350461
ENSG00000243806	5	CTC-484P3.1	94161666	rs152286	5	94193334	A	G	0.890656	0.00867352	0.0106707	0.416313	-0.890421	0.118011	4.52E-14	-0.0097409	0.0120532	0.418999	0.8677794	14	0.86418667
ENSG00000153113	5	CAST	95860971	rs152005	5	96025847	G	A	0.153082	0.0136443	0.0111336	0.220385	0.621712	0.0633178	9.33E-23	0.0219463	0.0180469	0.2239577	0.6109905	17	0.74274316
ENSG00000164307	5	ERAP1	96096521	rs13160562	5	96111371	A	G	0.327038	-0.0144342	0.00906573	0.111345	-0.871485	0.0806886	3.42E-27	0.0165628	0.010515	0.1152221	0.4463508	20	0.66176159
ENSG00000248734	5	CTD-2260A17.1	96120481	rs41135	5	96166026	C	T	0.465209	0.00714164	0.00810074	0.377991	0.600209	0.0956445	3.49E-10	0.0118986	0.0136291	0.3826465	0.1508482	13	0.84640362
ENSG00000164308	5	ERAP2	96211643	rs2927608	5	96252432	A	G	0.426441	-0.0050424	0.00809512	0.533353	1.06988	0.0627026	2.81E-65	-0.0047131	0.00757142	0.533626	0.08914939	20	0.88585906
ENSG00000058729	5	RIOK2	96496571	rs28484279	5	96519851	A	G	0.331014	-0.0156448	0.0094439	0.0976	0.423302	0.0723261	4.84E-09	-0.036959	0.0231866	0.1109403	0.2205819	4	0.65086925
ENSG00000174136	5	RGMB	98104354	rs2662258	5	98125530	G	T	0.476143	-0.0068561	0.0085664	0.423507	-0.32159	0.053667	2.07E-09	0.0213195	0.0268742	0.4275991	0.2064691	12	0.86418667
ENSG00000173930	5	SLCO4C1	101569690	rs6866255	5	101816327	G	A	0.653082	-0.0186689	0.00894127	0.0368027	0.370441	0.0610373	1.29E-09	-0.0503964	0.0255253	0.04833924	0.08273239	6	0.53621652
ENSG00000175749	5	EIF3KP1	102368080	rs34809	5	102430117	A	C	0.27336	0.00273315	0.00861172	0.750959	0.722731	0.112023	1.11E-10	0.0037817	0.0119299	0.7512494	0.8180279	16	0.95264532
ENSG00000112874	5	NUDT12	102884556	rs291844	5	102859998	T	A	0.524851	0.00130242	0.00809811	0.872228	-0.350231	0.0570333	8.21E-10	-0.0037188	0.0231301	0.8722706	0.9477546	4	0.98658093
ENSG00000249476	5	CTD-2587M2.1	108572821	rs1965670	5	108649798	T	A	0.248509	0.0119284	0.00922692	0.196085	0.670855	0.102351	5.58E-11	0.0177809	0.014019	0.2046741	0.725356	18	0.72742806
ENSG00000145777	5	TSLP	110405760	rs2289276	5	110407507	T	C	0.313121	-0.006163	0.00833281	0.459536	-0.539175	0.0844179	1.69E-10	0.0114305	0.015558	0.462522	0.5412228	4	0.86418667
ENSG00000134987	5	WDR36	110427414	rs1457113	5	110467074	G	A	0.0407555	0.00648534	0.0254301	0.798703	0.76909	0.132217	6.00E-09	0.00843249	0.0330969	0.798892	0.3137215	7	0.965513
ENSG00000129595	5	EPB41L4A	111478138	rs821746	5	111657893	T	A	0.124254	0.0006937	0.012277	0.95494	0.499898	0.0830701	1.77E-09	0.00138769	0.0245601	0.954942	0.4384874	20	0.99347767
ENSG00000047188	5	YTHDC2	112849380	rs4438867	5	112867138	G	T	0.498012	-0.0081365	0.00807415	0.313588	0.242731	0.033736	6.25E-13	-0.0335206	0.0335884	0.318289	0.6723768	20	0.81665079
ENSG00000113396	5	SLC27A6	127873706	rs2577492	5	128263475	T	G	0.362823	-0.0081402	0.00881341	0.355684	-0.564598	0.0927688	1.16E-09	0.0144178	0.0157888	0.3611562	0.1148645	18	0.840274
ENSG00000164398	5	ACSL6	131142683	rs426991	5	131327345	C	T	0.76839	-0.0170471	0.00944073	0.0709659	0.335156	0.047674	2.06E-12	-0.0508632	0.0290825	0.08030337	0.679781	20	0.62410046
ENSG00000131435	5	PDLIM4	131593364	rs10463891	5	131597392	G	A	0.605368	0.00898581	0.00806501	0.265205	-0.347981	0.0417866	8.25E-17	-0.0258227	0.0233831	0.2694492	0.1502626	20	0.78302173
ENSG00000233006	5	AC034220.3	131646978	rs441969	5	131702120	A	G	0.593439	0.00504333	0.00807987	0.532507	0.906987	0.0803824	1.58E-29	0.00556053	0.00892209	0.5331323	0.8135834	20	0.88585906
ENSG00000197536	5	C5orf56	131746328	rs2706386	5	131832687	T	C	0.654076	-0.0017075	0.00861884	0.842959	0.457959	0.0538064	1.72E-17	-0.0037285	0.0188252	0.8430008	0.6273324	9	0.98207023
ENSG00000113522	5	RAD50	131891711	rs144795118	5	131683878	T	C	0.0218688	0.0108351	0.0128221	0.398092	-1.17456	0.169335	4.02E-12	-0.0092248	0.0109972	0.4015641	0.6293943	3	0.85364306
ENSG00000053108	5	FSTL4	132532147	rs62374514	5	132534614	C	T	0.166004	-0.0026676	0.0126938	0.833553	0.368381	0.0651541	1.57E-08	-0.0072413	0.0344821	0.8336664	0.7669721	3	0.9781418
ENSG00000237190	5	CDKN2AIPNL	133737778	rs62381376	5	133746115	T	C	0.0357853	0.00826845	0.0203716	0.68483	0.73918	0.0851946	4.09E-18	0.011186	0.0275899	0.6851557	0.9188001	3	0.93629849
ENSG00000164615	5	CAMLG	134074191	rs12657663	5	134076812	A	G	0.133201	0.00532909	0.0101822	0.600716	1.48464	0.0885106	3.81E-63	0.00358948	0.0068617	0.6008918	0.5612562	20	0.90385749
ENSG00000113621	5	TXNDC15	134209493	rs7706190	5	134251868	C	T	0.148111	0.0117379	0.0100791	0.244191	0.826885	0.105888	5.76E-15	0.0141953	0.012324	0.2493868	0.5759573	9	0.76347608
ENSG00000270021	5	CTC-203F4.2	134734970	rs2652070	5	134737264	T	G	0.0497018	-0.0034786	0.0196058	0.859172	-0.67398	0.109427	7.31E-10	0.00516131	0.0291017	0.8592299	0.9422939	7	0.98554401
ENSG00000250378	5	RP11-119J18.1	135148356	rs2304071	5	135160374	T	C	0.500994	0.0130975	0.00806062	0.104189	-0.303452	0.0556413	4.93E-08	-0.0431617	0.027717	0.1194162	0.2889575	10	0.66369299
ENSG00000112981	5	NME5	137450866	rs17637720	5	137475056	G	T	0.0258449	-0.0396073	0.0253388	0.118027	-1.53406	0.134261	3.10E-30	0.0258186	0.0166713	0.1214577	0.00713392	18	0.66369299
ENSG00000253404	5	AC034243.1	138080123	rs311613	5	138083337	C	T	0.729622	-0.0278495	0.00868124	0.00133656	-0.884262	0.0852611	3.35E-25	0.0314946	0.0102764	0.00217856	0.5585265	20	0.22669158
ENSG00000120725	5	SIL1	138282409	rs1368425	5	138280217	G	A	0.2833	0.0260579	0.00866224	0.00262779	0.328237	0.0587036	2.25E-08	0.0793875	0.0299671	0.00806939	0.966698	13	0.31081905
ENSG00000228672	5	PROB1	138727635	rs6876106	5	138710030	A	G	0.328032	0.0059845	0.0088693	0.499839	-0.434557	0.0527192	1.68E-16	-0.0137715	0.0204782	0.5012693	0.9591929	16	0.86892864
ENSG00000120306	5	CYSTM1	139554227	rs7726349	5	139537771	T	C	0.22167	-0.0352582	0.00908881	0.00010476	-0.305847	0.0417864	2.49E-13	0.115281	0.0336327	0.00060888	0.4425049	7	0.19443108
ENSG00000213523	5	SRA1	139916925	rs9688094	5	139899059	A	G	0.717694	0.00677001	0.00833995	0.416931	0.470684	0.0564484	7.54E-17	0.0143833	0.0178026	0.4191268	0.3321424	15	0.86418667
ENSG00000170445	5	HARS	140052758	rs2230361	5	140057535	A	G	0.0596421	0.0121272	0.0142275	0.394006	0.341085	0.0582417	4.73E-09	0.0355548	0.042152	0.3989544	0.1396026	6	0.85301552
ENSG00000204963	5	PCDHA7	140213969	rs11167579	5	140124935	T	C	0.395626	0.0200752	0.00862407	0.0199223	-0.494257	0.0862595	1.00E-08	-0.0406169	0.0188335	0.03103429	0.5504536	17	0.45411895
ENSG00000204961	5	PCDHA9	140227048	rs11167605	5	140186937	T	G	0.373757	0.0236412	0.00870178	0.00659113	0.504071	0.085201	3.29E-09	0.0469005	0.0189962	0.01355119	0.5935255	11	0.3651997
ENSG00000250120	5	PCDHA10	140235595	rs3756337	5	140186438	C	G	0.455268	0.0156987	0.00828674	0.0581674	-0.52318	0.0821284	1.89E-10	-0.0300063	0.0165247	0.06939471	0.514809	20	0.59485717
ENSG00000239389	5	PCDHA13	140261793	rs155803	5	140296871	T	C	0.336978	0.0158617	0.00869473	0.0681083	0.692474	0.0728325	1.95E-21	0.0229058	0.0127851	0.07319584	0.5014186	20	0.607546
ENSG00000112852	5	PCDHB2	140474227	rs12521934	5	140464559	A	G	0.142147	-0.0090681	0.0130417	0.486861	0.70068	0.121623	8.36E-09	-0.0129418	0.018748	0.4900035	0.3090704	3	0.86806745
ENSG00000120322	5	PCDHB8	140557371	rs643918	5	140576282	G	C	0.232604	0.0083362	0.00960039	0.385219	0.585157	0.0977395	2.14E-09	0.0142461	0.0165782	0.3901597	0.3208879	6	0.84859336
ENSG00000120324	5	PCDHB10	140571942	rs12654953	5	140570973	T	C	0.39165	0.00044625	0.00856387	0.958442	-0.386054	0.0655411	3.86E-09	-0.0011559	0.022184	0.9584435	0.7500633	16	0.99347767
ENSG00000253731	5	PCDHGA6	140753651	rs57697403	5	140767066	A	T	0.05666	0.0114977	0.0153105	0.452671	-0.879808	0.142246	6.20E-10	-0.0130684	0.0175299	0.4559734	0.01711333	14	0.86418667
ENSG00000271871	5	AC005740.6	141331984	rs164086	5	141334054	G	A	0.576541	0.00589822	0.0080671	0.464691	-0.542176	0.0871659	4.97E-10	-0.0108788	0.0149816	0.4677495	0.5963829	3	0.86418667

ENSG00000133706	5	LARS	145492601	rs12153109	5	145515346	T	C	0.252485	0.0145425	0.00862024	0.091601	0.519901	0.0734735	1.48E-12	0.0279717	0.0170453	0.1007924	0.4299694	12	0.65086925
ENSG00000204909	5	SPINK9	147700766	rs13157347	5	147699410	A	G	0.239563	0.00053549	0.00954343	0.955254	0.899872	0.101984	1.11E-18	0.00059507	0.0106055	0.9552546	0.6205691	10	0.99347767
ENSG00000173210	5	ABLIM3	148521046	rs2963490	5	148594477	G	A	0.406561	0.0111461	0.00831641	0.180163	-0.442511	0.0606988	3.09E-13	-0.0251883	0.0191086	0.1874489	0.9078784	17	0.70253861
ENSG00000113716	5	HMGXB3	149379884	rs145060437	5	149377533	A	T	0.133201	-0.0100186	0.0133027	0.451374	0.538476	0.0776257	4.01E-12	-0.0186055	0.0248495	0.4540227	0.5348075	14	0.86418667
ENSG00000113722	5	CDX1	149546358	rs887344	5	149549022	T	C	0.445328	0.00955928	0.00827716	0.248132	0.528929	0.0868448	1.13E-09	0.0180729	0.0159278	0.2565098	0.6122712	4	0.77142607
ENSG00000164587	5	RPS14	149822753	rs3797622	5	149827098	A	G	0.257455	0.00471101	0.00877731	0.591457	-0.286713	0.0430309	2.68E-11	-0.0164311	0.0307127	0.5926547	0.9784346	11	0.90174025
ENSG00000254333	5	CTC-367J11.1	149855094	rs3846703	5	149857460	T	C	0.0725646	0.0225751	0.014915	0.130131	1.25563	0.174779	6.76E-13	0.0179791	0.0121393	0.138588	0.8812491	5	0.67926006
ENSG00000197083	5	ZNF300P1	150310207	rs58717741	5	150284936	G	A	0.115308	0.0157379	0.0133054	0.236879	1.19492	0.111284	6.78E-27	0.0131707	0.0112023	0.2397113	0.1132	18	0.75649413
ENSG00000260581	5	CTB-113P19.4	151031836	rs357630	5	150851258	G	A	0.378728	0.00454399	0.00837542	0.587447	0.623782	0.0574987	2.02E-27	0.00728458	0.0134436	0.5879139	0.7040535	20	0.90020885
ENSG00000213433	5	RP11-54C4.1	151145420	rs10463321	5	151323905	G	T	0.227634	-0.0116324	0.00921535	0.206845	-0.775521	0.0971763	1.46E-15	0.0149995	0.0120305	0.2124761	0.09854644	15	0.7349358
ENSG00000132911	5	NMUR2	151771093	rs56091570	5	151756828	G	A	0.196819	0.0154429	0.0105036	0.141494	-0.602386	0.107999	2.44E-08	-0.0256362	0.0180323	0.1551171	0.8842573	7	0.68522247
ENSG00000251405	5	CTB-109A12.1	156789623	rs11466815	5	156907171	A	G	0.0914513	0.00907302	0.0133309	0.496125	0.793666	0.123849	1.47E-10	0.0114318	0.0168911	0.4985364	0.5334098	8	0.86872655
ENSG00000248544	5	CTB-47B11.3	156802749	rs75019310	5	156902715	T	C	0.0904573	0.0116129	0.0138162	0.400613	0.823903	0.150564	4.45E-08	0.014095	0.0169659	0.4060955	0.9991441	3	0.85655053
ENSG00000113272	5	THG1L	157158205	rs9313719	5	157159686	T	C	0.32008	0.00167708	0.00857941	0.845019	0.591438	0.0894718	3.83E-11	0.0028356	0.0145124	0.8450862	0.03498583	14	0.98207023
ENSG00000118322	5	ATP10B	159990127	rs4921347	5	160286514	C	A	0.833002	0.0123723	0.0115599	0.284495	-0.570742	0.0558226	1.54E-24	-0.0216776	0.0203648	0.2871199	0.4839929	20	0.79641232
ENSG00000170584	5	NUDCD2	162873532	rs299285	5	162895573	G	A	0.300199	-0.0041435	0.00842361	0.622796	-0.299132	0.0495844	1.61E-09	0.0138517	0.0282536	0.6239469	0.5084581	10	0.91443861
ENSG00000113643	5	RARS	167913450	rs2432646	5	167946935	C	T	0.518887	-0.0010843	0.00814395	0.894084	-0.259104	0.0442251	4.66E-09	0.00418469	0.0314393	0.8941113	0.6978872	7	0.98658093
ENSG00000188573	5	FBLL1	167956121	rs58074238	5	167905779	T	C	0.129225	-0.0084457	0.0114181	0.459496	0.352768	0.0465301	3.42E-14	-0.0239411	0.0325208	0.4616221	0.7518476	20	0.86418667
ENSG00000174705	5	SH3PXD2B	171752185	rs2569211	5	171867309	T	C	0.366799	-0.0159779	0.00874894	0.0678094	0.250698	0.0438602	1.09E-08	-0.0637337	0.0366364	0.08192432	0.534228	5	0.62886988
ENSG00000113734	5	BNIP1	172571445	rs72814167	5	172478593	C	T	0.121272	-0.0047357	0.0131843	0.719454	-0.882059	0.0992946	6.49E-19	0.00536887	0.0149594	0.7196728	0.4449447	14	0.94509525
ENSG00000253955	5	CTB-33O18.3	173006646	rs72822182	5	173022152	C	T	0.229622	0.00189401	0.00919285	0.836767	0.617654	0.108436	1.23E-08	0.00306646	0.0148932	0.8368721	0.2433043	6	0.97996964
ENSG00000051596	5	THOC3	175344876	rs62389965	5	175370893	T	C	0.254473	-0.0149398	0.00915973	0.102885	0.769753	0.0745737	5.60E-25	-0.0194086	0.0120472	0.1071706	0.6400248	6	0.65086925
ENSG00000248469	5	RP11-826N14.2	175476681	rs377690773	5	175510305	C	T	0.0815109	0.0007225	0.0149096	0.961351	-0.90626	0.117393	1.16E-14	-0.0007972	0.0164521	0.9613513	0.9137512	3	0.99347767
ENSG00000251623	5	RP11-826N14.4	175564160	rs7443800	5	175559839	A	G	0.442346	0.00931346	0.00816824	0.254201	-0.636757	0.0848973	6.37E-14	-0.0146264	0.0129753	0.2596356	0.02891322	20	0.7755295
ENSG00000048140	5	TSPAN17	176074388	rs11134990	5	176086479	A	G	0.72167	0.0055746	0.00912923	0.541443	-0.236018	0.0421981	2.23E-08	-0.0236194	0.0389101	0.5438343	0.754195	8	0.88612583
ENSG00000160867	5	FGFR4	176513887	rs351855	5	176520243	A	G	0.294235	-0.0063139	0.00854125	0.459768	-0.44759	0.0680992	4.94E-11	0.0141065	0.0192031	0.4625854	0.5572777	7	0.86418667
ENSG00000213347	5	MXD3	176728462	rs11952102	5	176740704	A	G	0.763419	0.00682259	0.00878806	0.437543	-0.58487	0.0667489	1.91E-18	-0.0116651	0.0150845	0.4393341	0.3005699	16	0.86418667
ENSG00000169220	5	RGS14	176784838	rs4976647	5	176788622	C	A	0.348907	-0.0002955	0.0083825	0.971878	-0.339018	0.0402875	3.93E-17	0.00087166	0.024726	0.9718784	0.905299	20	0.99471489
ENSG00000272459	5	RP11-1277A3.3	176981825	rs62398471	5	176980904	A	G	0.270378	-0.002544	0.00898252	0.777011	0.748415	0.104022	6.26E-13	-0.0033992	0.0120114	0.7771787	0.398531	4	0.95939787
ENSG00000027847	5	B4GALT7	177027101	rs2133708	5	177104663	T	C	0.405567	-0.0140142	0.0081093	0.0839576	-0.273181	0.0478418	1.13E-08	0.0513001	0.0310145	0.09811348	0.09893982	11	0.65086925
ENSG00000249849	5	RP11-1101H11.1	177109295	rs12513605	5	177181107	A	G	0.569583	0.0146049	0.00824234	0.0764064	0.639022	0.0928168	5.79E-12	0.0228551	0.0133187	0.0861596	0.3772528	10	0.63911656
ENSG00000170074	5	FAM153A	177134982	rs12513605	5	177181107	A	G	0.569583	0.0146049	0.00824234	0.0764064	0.84028	0.0666075	1.74E-36	0.017381	0.00990533	0.07930863	0.3237608	20	0.62074989
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	1.16625	0.0897163	1.23E-38	0.0141418	0.00728398	0.05219805	0.6419289	20	0.55150699
ENSG00000170089	5	RP11-423H2.1	177236408	rs59329233	5	177265313	C	G	0.364811	0.00665574	0.00835785	0.425831	0.806223	0.0993782	4.95E-16	0.00825546	0.0104165	0.4280477	0.5135433	6	0.86418667
ENSG00000249684	5	RP11-423H2.3	177377336	rs10464110	5	177352825	A	G	0.600398	-0.00099	0.00829715	0.90502	-0.621323	0.0789079	3.43E-15	0.00159344	0.0133555	0.9050306	0.338298	6	0.98658093
ENSG00000204677	5	FAM153C	177433406	rs12518640	5	177430041	G	A	0.50497	-0.0030536	0.00808328	0.705606	-0.449736	0.0586769	1.79E-14	0.00678969	0.0179952	0.7059464	0.5206755	17	0.94255443
ENSG00000218227	5	RP11-889L3.1	177482605	rs12518640	5	177430041	G	A	0.50497	-0.0030536	0.00808328	0.705606	-0.484167	0.0591031	2.57E-16	0.00630685	0.016713	0.7059041	0.4924474	13	0.94255443
ENSG00000178187	5	ZNF454	178368192	rs6867221	5	178391860	A	G	0.313121	-0.0016731	0.00854851	0.844832	0.664123	0.0907457	2.51E-13	-0.0025193	0.0128765	0.8448863	0.9599084	19	0.98207023
ENSG00000127022	5	CANX	179105629	rs1134924	5	179126090	T	C	0.496024	0.0122447	0.00805621	0.128535	-0.301241	0.0385239	5.30E-15	-0.0406475	0.0272439	0.1357029	0.9383737	19	0.67869568
ENSG00000161010	5	C5orf45	179261436	rs10277	5	179264731	C	T	0.518887	-0.0154053	0.0082913	0.0631684	-0.464916	0.0582486	1.44E-15	0.0331357	0.0183108	0.07035426	0.490334	14	0.59897059
ENSG00000197226	5	TBC1D9B	179289066	rs248228	5	179357424	T	C	0.850895	-0.0004399	0.0122233	0.971294	0.634863	0.0837247	3.38E-14	-0.0006929	0.0192537	0.9712939	0.9997345	7	0.99471489
ENSG00000146090	5	RASGEF1C	179527795	rs62406101	5	179593476	A	G	0.124254	0.00026102	0.0102975	0.979777	-0.389187	0.0652453	2.45E-09	-0.0006707	0.0264592	0.9797777	0.9590813	16	0.99550269
ENSG00000161055	5	SCGB3A1	180017103	rs11739089	5	180005414	C	T	0.182903	-0.0004562	0.00955725	0.961925	1.0335	0.104196	3.45E-23	-0.0004415	0.00924757	0.9619253	0.05907772	17	0.99347767
ENSG00000168903	5	BTNL3	180415845	rs72494581	5	180430797	C	T	0.322068	-0.0104168	0.00852149	0.221551	0.891487	0.0960945	1.74E-20	-0.0116847	0.00964136	0.2255355	0.6053319	20	0.74274316
ENSG00000146054	5	TRIM7	180620924	rs390485	5	180631387	A	G	0.215706	-0.0020717	0.00910328	0.819975	0.447431	0.0642526	3.32E-12	-0.0046302	0.0203565	0.8200701	0.07229872	7	0.97259053
ENSG00000248275	5	TRIM52-AS1	180688213	rs1279911	5	180691200	G	C	0.279324	0.00526586	0.00895205	0.556378	-1.10436	0.0693093	3.69E-57	-0.0047683	0.00811162	0.556647	0.1596867	20	0.89043924
ENSG00000272463	6	RP11-532F6.3	708592	rs2244443	6	711150	C	A	0.707753	-0.006699	0.00912033	0.462634	0.879795	0.0985237	4.27E-19	-0.0076143	0.0104014	0.4641424	0.5024642	16	0.86418667
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.00447	0.0811791	3.64E-35	0.00853506	0.00989786	0.388515	0.9093118	20	0.84859336
ENSG00000164385	6	C6orf195	2622147	rs7750686	6	2625101	C	G	0.483101	-0.0163518	0.00805948	0.0424698	0.570966	0.0925182	6.77E-10	-0.0286388	0.0148588	0.05392932	0.1264452	5	0.55477726
ENSG00000145949	6	MYLK4	2663863	rs3757094	6	2766727	G	A	0.302187	-0.0092607	0.008518	0.276952	0.533111	0.0811932	5.17E-11	-0.0173711	0.0161955	0.2834556	0.03435549	6	0.79294433
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.988791	0.0836228	2.92E-32	-0.0026895	0.00831052	0.7462197	0.3243047	15	0.95189833
ENSG00000244041	6	LINC01011	2988201	rs9378755	6	3000978	A	G	0.197813	-0.002781	0.00977431	0.776013	-0.608668	0.093115	6.29E-11	0.00456896	0.0160737	0.7762187	0.77322	12	0.95939787
ENSG00000124588	6	NQO2	2988221	rs13198902	6	3022094	A	G	0.444334	-0.0161758	0.00844401	0.0554102	0.530436	0.0652016	4.11E-16	-0.0304953	0.0163544	0.06222968	0.2125762	20	0.58095357
ENSG00000137275	6	RIPK1	3064225	rs2272990	6	3077141	C	T	0.934394	-0.0072926	0.0138162	0.597618	-0.504265	0.0912663	3.29E-08	0.0144618	0.0275234	0.5992801	0.9214173	3	0.90385749
ENSG00000272277	6	RP1-40E16.12	3068279	rs12663589	6	3069057	T	C	0.544732	-0.0014399	0.00827713	0.861898	-0.702984	0.0933749	5.13E-14	0.00204823	0.0117774	0.8619352	0.3813783	15	0.98554401
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	1.02576	0.100242	1.41E-24	0.00350706	0.00995589	0.7246435	0.07602669	12	0.94540164
ENSG00000137267	6	TUBB2A	3153903	rs909962	6	3157399	G	A	0.733598	-0.0117361	0.00944855	0.214197	-0.309675	0.0441345	2.27E-12	0.0378981	0.0309856	0.2212959	0.4246947	11	0.74274316
ENSG00000180822	6	PSMG4	3231637	rs4959783	6	3260093	A	G	0.842942	0.00995894	0.0117077	0.394975	0.788516	0.0877589	2.59E-19	0.01263	0.0149142	0.3970815	0.09036037	18	0.85165727
ENSG00000228793	6	RP1-223B1.1	3594481	rs226967	6	3720283	A	G	0.667992	0.00948489	0.00877835	0.279925	0.593378	0.0720546	1.79E-16	0.0159846	0.0149207	0.2840324	0.07795819	10	0.79342682
ENSG00000198721	6	ECI2	4115923	rs660560	6	4125941	G	A	0.332008	-0.0026164	0.00928755	0.778169	-0.300511	0.0317843	3.24E-21	0.00870637	0.0309196	0.7782647	0.9884207	20	0.95939787
ENSG00000214113	6	LYRM4	5102827	rs457759	6	5115596	A	C	0.529821	0.00137988	0.00824965	0.867161	0.333161	0.0455639	2.63E-13	0.00414178	0.0247682	0.8671957	0.8164643	20	0.98554401
ENSG00000124783	6	SSR1	7268539	rs72818961	6	7297674	C	T	0.0347913	-0.0271692	0.0285434	0.34117	-0.683322	0.114852	2.69E-09	0.0397605	0.0423027	0.3472673	0.9321708	4	0.83656804
ENSG00000124784	6	RIOK1	7389729	rs6597266	6	7390077	T	C	0.345924	0.00819478	0.00852897	0.336644	-0.354397	0.0598032	3.10E-09	-0.0231232	0.0243804	0.3429096	0.9237262	20	0.83501439
ENSG00000230939	6	RP11-314C16.1	8784411	rs1928184	6	8532108	A	T	0.630219	0.0119324	0.00892056	0.181018	-0.497102	0.0903264	3.73E-08	-0.0240039	0.0184676	0.193674	0.8886114	8	0.70945692
ENSG00000272097	6	RP11-421M1.8	10743557	rs545383	6	10744326	C	T	0.38171	0.00365372	0.00825927	0.658215	-0.549911	0.094489	5.89E-09	-0.0066442	0.0150626	0.6591366	0.09386433	4	0.9296407
ENSG00000230314	6	ELOVL2-AS1	11043757	rs77750357	6	10969795	T	C	0.255467	0.0156112	0.0111185	0.160295	-0.437447	0.0777285	1.82E-08	-0.0356871	0.0261959	0.1730979	0.196925	13	0.69648199
ENSG00000145979	6	TBC1D7	13266774	rs202036	6	13288737	A	T	0.697813	0.0132756	0.00837278	0.112837	-0.435809	0.0657376	3.37E-11	-0.030462	0.0197539	0.1230552	0.8032768	20	0.66369299
ENSG00000124523	6	SIRT5	13574816	rs112443954	6	13574491	C	G	0.293241	0.00123147	0.00873709	0.887912	-0.430972	0.0663016	8.02E-11	-0.0028574	0.0202778	0.8879377	0.7909102	7	0.98658093
ENSG00000050393	6	MCUR1	13786789	rs3800505	6	13787304	C	T	0.215706	-0.0018456	0.0113631	0.870976	-0.453981	0.0493982	3.92E-20	0.00406532	0.0250338	0.8709961	0.1324901	11	0.98602339
ENSG00000112149	6	CD83	14117872	rs7766910	6	14097464	G	A	0.204771	0.00368948	0.00969754	0.703608	-0.424359	0.0767349	3.20E-08	-0.0086942	0.0229062	0.7042735	0.6147549	7	0.94255443
ENSG00000228412	6	RP4-625H18.2	19802395	rs7750716	6	19804839	T	C	0.125249	0.0145471	0.013249	0.272217	0.655806	0.098389	2.64E-11	0.022182	0.0204749	0.2786412	0.04851665	9	0.78921594
ENSG00000272168	6	CASC15	21665003	rs13196327	6	22190876	G	T	0.712724	-0.0105041	0.0096264	0.275196	0.28818	0.0460496	3.90E-10	-0.0364498	0.0339081	0.2823936	0.06839431	5	0.79120899
ENSG00000146038	6	DCDC2	24171984	rs793843	6	24217216	G	A	0.667992	-0.023462	0.00912551	0.0101393	0.437196	0.0624203	2.49E-12	-0.0536647	0.0222346	0.01579741	0.6038056	20	0.38322619
ENSG00000124532	6	MRS2	24403153	rs6920147	6	24413457	G	A	0.353877	-0.0153467	0.00820251	0.0613479	0.348153	0.057192	1.15E-09	-0.0440803	0.0246478	0.07370965	0.5002005	7	0.60818579
ENSG00000112294	6	ALDH5A1	24495080	rs2760141	6	24480897	T	C	0.338966	-0.0111938	0.00852556	0.189193	-0.209777	0.0343221	9.84E-10	0.0533605	0.0415682	0.1992523	0.6601322	20	0.71998228
ENSG00000111802	6	TDP2	24650205	rs1047782	6	24650731	G	T	0.675944	-0.0035478	0.00821818	0.665961	-0.278319	0.0478666	6.08E-09	0.0127471	0.0296092	0.6668235	0.4659732	8	0.93253494
ENSG00000168405	6	CMAHP	25081548	rs1547055	6	25111320	G	A	0.702783	-0.0002314	0.0092556	0.980056	-0.358378	0.0519334	5.17E-12	0.00064563	0.0258265	0.9800559	0.9723892	18	0.99550269
ENSG00000272462	6	U91328.19	25992890	rs74293932	6	26014811	A	C	0.209742	0.00800631	0.00927919	0.388233	-0.645555	0.0727013	6.71E-19	-0.0124022	0.0144417	0.3904622	0.125284	20	0.84859336
ENSG00000186470	6	BTN3A2	26365387	rs9393703	6	26356951	C	T	0.112326	-0.0691409	0.0145391	1.98E-06	-0.980376	0.0983589	2.12E-23	0.0705249	0.0164316	1.77E-05	0.0227061	20	0.06632083
ENSG00000124508	6	BTN2A2	26383324	rs4712987	6	26399615	C	A	0.439364	-0.0217828	0.0081292	0.00737157	0.382281	0.0562183	1.05E-11	-0.0569811	0.0228565	0.01266696	0.00020164	18	0.3603961
ENSG00000026950	6	BTN3A1	26402465	rs3799379	6	26404694	T	C	0.44831	-0.0221953	0.00810368	0.00616425	0.327354	0.0548351	2.38E-09	-0.0678021	0.0272362	0.01279533	0.01773572	9	0.3603961
ENSG00000181315	6	ZNF322	26636518	rs9379903	6	26606579	C	T	0.567594	-0.006318	0.00810257	0.435537	-0.624701	0.0640339	1.74E-22	0.0101136	0.0130117	0.436998	0.00037839	20	0.86418667
ENSG00000241549	6	GUSBP2	26839263	rs112070125	6	26909789	A	G	0.143141	0.00501317	0.0119689	0.675327	-0.956538	0.114859	8.23E-17	-0.005241	0.0125285	0.6757125	0.2555027	16	0.93372697
ENSG00000124613	6	ZNF391	27342394	rs10807020	6	27356902	G	A	0.744533	-0.0096168	0.00832388	0.247957	0.433786	0.0530551	2.93E-16	-0.0221695	0.0193795	0.2526393	0.02366963	11	0.76630512
ENSG00000219392	6	RP1-265C24.5	28083406	rs4713141	6	28101678	C	G	0.197813	-0.0344822	0.0103452	0.0008586	-0.965716	0.0862261	4.09E-29	0.0357064	0.0111768	0.00139985	0.0092912	20	0.1985174
ENSG00000226314	6	ZNF192P1	28129559	rs9295761	6	28147987	G	A	0.199801	-0.0353327	0.0103472	0.00063853	0.740959	0.0883797	5.12E-17	-0.0476851	0.0150785	0.00156443	0.03604947	20	0.1985174
ENSG00000216901	6	AL022393.7	28143966	rs1233696	6	28143010	C	T	0.374751	-0.0219315	0.00881407	0.0128378	1.12027	0.076361	9.93E-49	-0.019577	0.00798017	0.01415904	0.00056865	20	0.36922688
ENSG00000218016	6	ZNF192P2	28155828	rs203869	6	28040819	A	T	0.372763	-0.0218391	0.00881436	0.0132242	-0.630502	0.0762936	1.41E-16	0.0346376	0.0145947	0.01762973	0.00337072	20	0.38453234
ENSG00000197062	6	RP5-874C20.3	28234788	rs2394049	6	28239681	G	A	0.403579	-0.0294714	0.00853373	0.00055333	-0.453377	0.0483943	7.36E-21	0.0650042	0.0200608	0.00119378	0.2507068	20	0.19443108
ENSG00000235109	6	ZSCAN31	28292470	rs2859348	6	28359170	G	A	0.45825	-0.0274549	0.00807885	0.00067789	0.889834	0.0825416	4.26E-27	-0.030854	0.00951948	0.00119053	0.3185395	20	0.19443108
ENSG00000189298	6	ZKSCAN3	28317691	rs7757215	6	28212489	A	C	0.0526839	-0.0128522	0.022928	0.575107	-0.712628	0.13072	4.99E-08	0.0180349	0.0323435	0.5771134	0.06850247	19	0.89834695
ENSG00000187987	6	ZSCAN23	28399707	rs2859368	6	28418039	C	T	0.44831	-0.025331	0.00832773	0.00235196	0.597751	0.0712705	4.98E-17	-0.0423772	0.0148197	0.0042429	0.2594894	20	0.27687143
ENSG00000214922	6	HLA-F-AS1	29694378	rs3131844	6	29650837	C	T	0.481113	0.00383135	0.00875776	0.661764	-0.412431	0.0723769	1.21E-08	-0.0092897	0.021297	0.6626938	0.2714772	17	0.93065748
ENSG00000273340	6	MICE	29709508	rs733839	6	29718094	A	G	0.429423	-0.0073001	0.00849757	0.390298	-0.494724	0.0897381	3.53E-08	0.0147558	0.0173837	0.3959747	0.1142344	6	0.85165727
ENSG00000181126	6	HLA-V	29758731	rs73725909	6	29953626	T	C	0.0447316	0.0136181	0.0245547	0.579166	1.02541	0.177037	6.95E-09	0.0132806	0.0240557	0.5808953	0.1339265	16	0.89955924
ENSG00000176998	6	HCG4	29758816	rs1619379	6	29785235	T	C	0.366799	0.00537963	0.00893208	0.546987	-0.849741	0.0992592	1.12E-17	-0.0063309	0.0105375	0.5479753	0.08329655	20	0.8868228
ENSG00000230521	6	HCG4P7	29855071	rs115644852	6	29923184	T	C	0.110338	-0.0145045	0.0136521	0.288037	-1.2505	0.121571	8.14E-25	0.011599	0.0109754	0.2905961	0.6528167	20	0.79748937
ENSG00000206341	6	HLA-H	29855350	rs2975031	6	29832919	G	A	0.685885	0.00149461	0.00835509	0.858027	0.580864	0.0768712	4.15E-14	0.00257308	0.0143879	0.8580664	0.4870327	20	0.98554401
ENSG00000227262	6	HCG4B	29893760	rs2523793	6	29802550	T	C	0.227634	0.00455563	0.00982063	0.642731	-0.639717	0.100177	1.70E-10	-0.0071213	0.015392	0.6436048	0.1381687	20	0.92308109
ENSG00000230795	6	HLA-K	29894236	rs1611713	6	29829251	C	A	0.242545	-0.0236446	0.0103536	0.0223888	-0.9782	0.0952051	9.17E-25	0.0241715	0.0108426	0.02579358	0.06444304	20	0.43135157
ENSG00000228078	6	HLA-U	29901878	rs1655896	6	29913947	C	T	0.185885	-0.0070193	0.0120371	0.559803	0.839592	0.117387	8.53E-13	-0.0083604	0.0143844	0.5610999	0.00856498	20	0.89365656
ENSG00000206503	6	HLA-A	29909037	rs9260368	6	29917801	A	G	0.114314	0.00784698	0.0142931	0.583002	-0.569916	0.0803128	1.28E-12	-0.0137687	0.0251543	0.5841252	0.4420903	20	0.89957103
ENSG00000204623	6	ZNRD1-AS1	29968788	rs166327	6	30002881	C	T	0.39662	-0.0116273	0.00824079	0.158262	-0.495475	0.057623	8.07E-18	0.023467	0.0168545	0.1638241	0.5274028	20	0.68549033
ENSG00000237669	6	HCG4P3	29973898	rs1150741	6	30029651	G	C	0.260437	-0.0218985	0.00875903	0.0124157	0.862774	0.0964567	3.73E-19	-0.0253815	0.0105413	0.01604812	0.8382602	20	0.38351036
ENSG00000204622	6	HLA-J	29974360	rs9260321	6	29917028	C	G	0.61829	0.0130609	0.00826532	0.11406	0.544102	0.0773873	2.05E-12	0.0240045	0.0155697	0.1231355	0.2364273	20	0.66369299
ENSG00000204618	6	RNF39	30038043	rs2285805	6	30042861	G	C	0.0447316	0.0138512	0.0245041	0.571896	1.15063	0.131689	2.38E-18	0.0120379	0.0213408	0.5726988	0.9375006	20	0.89834695
ENSG00000270604	6	HCG17	30201816	rs916568	6	30202052	T	C	0.431412	-0.0066277	0.00813044	0.414972	-0.624149	0.0866634	5.93E-13	0.0106188	0.0131096	0.4179379	0.02587314	11	0.86418667
ENSG00000243753	6	HLA-L	30227361	rs261949	6	30270080	A	G	0.246521	-0.0126058	0.00925267	0.173071	-0.545934	0.0696252	4.47E-15	0.0230903	0.0172023	0.1795036	0.2692199	9	0.69774631
ENSG00000231074	6	HCG18	30255174	rs2516698	6	30232374	A	G	0.055666	0.0583276	0.0481725	0.225969	0.62775	0.106248	3.46E-09	0.0929153	0.0783332	0.2355609	0.00157363	7	0.75264543
ENSG00000137404	6	NRM	30655824	rs112112975	6	29972083	A	G	0.0149105	-0.0212591	0.0202734	0.294354	1.00457	0.139341	5.62E-13	-0.0211624	0.0203935	0.2994093	0.5028218	12	0.80631721
ENSG00000137312	6	FLOT1	30695486	rs11961853	6	30365629	T	C	0.122266	-0.0276071	0.0132012	0.0365056	0.369759	0.0612868	1.61E-09	-0.0746624	0.0377861	0.04816353	0.04791392	18	0.53621652
ENSG00000228022	6	HCG20	30734602	rs3131046	6	30758861	C	T	0.431412	0.0027458	0.00866326	0.751284	-0.71199	0.0922991	1.22E-14	-0.0038565	0.0121779	0.7514861	0.01418759	20	0.95264532
ENSG00000137411	6	VARS2	30876019	rs2517582	6	30808762	T	C	0.392644	-0.0048936	0.00822816	0.552016	0.697581	0.0617309	1.31E-29	-0.0070151	0.0118116	0.5525658	0.02027441	20	0.88897244
ENSG00000228789	6	HCG22	31021227	rs2394424	6	31020360	C	T	0.574553	-0.0149057	0.00810832	0.0660146	0.707319	0.0794222	5.30E-19	-0.0210735	0.0117051	0.07180283	0.1270629	20	0.60307937
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	1.03444	0.109423	3.27E-21	0.00283328	0.0107729	0.7925498	0.9794311	20	0.96392583
ENSG00000204531	6	POU5F1	31132119	rs3134755	6	31216300	T	C	0.384692	-0.0051064	0.00820634	0.533781	0.584233	0.0974278	2.02E-09	-0.0087403	0.0141218	0.5359682	0.4919639	20	0.88585906
ENSG00000272501	6	Xbac-BPG299F13.	31162977	rs1128175	6	31150435	G	A	0.762425	0.0009871	0.00878175	0.910504	-0.636078	0.0694677	5.36E-20	-0.0015519	0.0138071	0.9105103	0.3753329	20	0.98821764
ENSG00000206344	6	HCG27	31165537	rs9263847	6	31156086	C	T	0.385686	0.00327063	0.00809587	0.686223	0.559253	0.0776355	5.87E-13	0.00584821	0.014499	0.6866881	0.8455002	20	0.93671075
ENSG00000204525	6	HLA-C	31236526	rs2524105	6	31232910	C	G	0.409543	0.0111684	0.00811638	0.168813	-0.714807	0.0612976	2.01E-31	-0.0156244	0.0114334	0.1717661	0.3390952	20	0.6962068
ENSG00000272221	6	Xbac-BPG181B23.	31362066	rs7756426	6	31360694	A	G	0.295229	-0.006554	0.00871953	0.452264	-0.82854	0.0793077	1.51E-25	0.0079103	0.0105512	0.4534305	0.2385096	20	0.86418667
ENSG00000204520	6	MICA	31371356	rs9266814	6	31381458	T	C	0.300199	-0.0115419	0.00863167	0.181171	-0.687391	0.0590366	2.48E-31	0.0167909	0.0126397	0.1840375	0.00697208	20	0.6981016
ENSG00000204516	6	MICB	31462658	rs2246618	6	31478986	T	C	0.262425	-0.0046618	0.00881712	0.597	0.605684	0.0793273	2.25E-14	-0.0076967	0.0145922	0.5978762	0.00355154	20	0.90385749
ENSG00000204463	6	BAG6	31606805	rs2844462	6	31651247	A	G	0.0477137	0.0166426	0.0270633	0.538587	0.890463	0.109172	3.45E-16	0.0186898	0.0304786	0.5397372	0.2737856	20	0.88612583
ENSG00000240053	6	LY6G5B	31637944	rs4569	6	31637807	T	C	0.295229	-0.0200851	0.0082797	0.0152736	-0.402947	0.0478578	3.78E-17	0.0498455	0.0213837	0.01975309	0.03085905	15	0.39537444
ENSG00000204428	6	LY6G5C	31644461	rs805277	6	31662957	T	C	0.299205	-0.0199054	0.00827986	0.0162136	-0.967566	0.0767628	1.99E-36	0.0205727	0.00871167	0.01820093	0.03011563	20	0.38945842
ENSG00000213722	6	DDAH2	31694815	rs1144708	6	31710020	T	C	0.361829	-0.0306625	0.00809245	0.00015124	-0.175798	0.0318902	3.54E-08	0.174419	0.0558578	0.0017929	0.6389808	9	0.20988182
ENSG00000204351	6	SKIV2L	31926857	rs2734326	6	31943585	C	T	0.141153	0.0294523	0.0152044	0.0527351	0.899237	0.0766008	8.02E-32	0.0327525	0.0171368	0.05597304	0.7707627	20	0.55913335
ENSG00000244731	6	C4A	31949801	rs1265905	6	31909941	G	A	0.0725646	-0.0417551	0.0141302	0.00312637	-0.827446	0.11843	2.81E-12	0.0504626	0.0185415	0.00649648	0.2936096	20	0.30017552
ENSG00000204338	6	CYP21A1P	31973413	rs6463	6	32006621	C	A	0.338966	0.022406	0.00837367	0.0074559	0.80799	0.0921869	1.87E-18	0.0277305	0.0108358	0.01049238	0.2219416	20	0.35409419
ENSG00000250535	6	STK19P	31981047	rs66804014	6	31874338	A	G	0.0367793	-0.0407839	0.0225868	0.0709725	1.65805	0.290798	1.19E-08	-0.0245975	0.0142893	0.08517914	0.3181822	20	0.63688834
ENSG00000231852	6	CYP21A2	32006042	rs9275576	6	32679326	T	C	0.10338	-0.0333265	0.0134759	0.0133965	0.761216	0.119656	2.00E-10	-0.0437806	0.0189937	0.02116627	0.2055291	20	0.40333901
ENSG00000204301	6	NOTCH4	32162620	rs434841	6	32191041	A	G	0.301193	-0.0057649	0.00866021	0.505622	-0.338788	0.0538097	3.05E-10	0.0170161	0.0257048	0.5079833	0.3586841	20	0.87498098
ENSG00000198502	6	HLA-DRB5	32485120	rs35083819	6	32526526	G	A	0.852883	-0.0208016	0.0113742	0.0674249	-1.28546	0.0952994	1.82E-41	0.0161822	0.00892931	0.06994615	0.4974706	20	0.59685257
ENSG00000229391	6	HLA-DRB6	32520490	rs4587163	6	32593167	T	C	0.348907	-0.0016241	0.00894358	0.855898	0.821533	0.0777074	4.01E-26	-0.001977	0.0108881	0.8559189	0.7860652	20	0.98502986
ENSG00000196126	6	HLA-DRB1	32546546	rs9271385	6	32587409	G	A	0.634195	0.00324559	0.0082333	0.693431	-0.507021	0.0597731	2.21E-17	-0.0064013	0.0162561	0.6937451	0.2051509	20	0.94063022
ENSG00000196735	6	HLA-DQA1	32595956	rs17612852	6	32620572	A	G	0.763419	-0.0267074	0.00908174	0.00327386	-0.488648	0.0728848	2.02E-11	0.0546557	0.0202948	0.00707925	0.1414093	20	0.30017552
ENSG00000179344	6	HLA-DQB1	32627244	rs1766	6	32627795	G	A	0.425447	-0.0199086	0.00815666	0.0146555	-0.798588	0.0771775	4.30E-25	0.0249298	0.0104942	0.01752123	0.3635095	20	0.38453234
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs9274639	6	32636146	C	T	0.727634	-0.0266078	0.0089412	0.00292166	-0.803263	0.0953508	3.63E-17	0.0331246	0.0118052	0.00501699	0.944103	20	0.30017552
ENSG00000237541	6	HLA-DQA2	32709119	rs9274740	6	32637968	T	A	0.489066	0.00671913	0.00818312	0.411591	0.876341	0.0818262	9.16E-27	0.00766726	0.00936523	0.4129612	0.9900348	20	0.86418667
ENSG00000232629	6	HLA-DQB2	32723875	rs17212455	6	32652526	A	G	0.11829	0.0400237	0.012857	0.00185204	1.30586	0.0954207	1.24E-42	0.0306493	0.0100971	0.00240178	0.8167962	20	0.23558181
ENSG00000241106	6	HLA-DOB	32780540	rs241440	6	32797361	T	C	0.276342	-0.0210851	0.00858	0.013992	-1.10393	0.0990499	7.56E-29	0.0191	0.00795893	0.0164029	0.1875433	20	0.38351036
ENSG00000204267	6	TAP2	32789610	rs2071627	6	32809223	A	C	0.430417	0.00128135	0.00826677	0.876822	0.605275	0.0766612	2.89E-15	0.00211697	0.0136605	0.8768448	0.07605445	20	0.98658093
ENSG00000240065	6	PSMB9	32811913	rs1133896	6	32832817	G	A	0.398608	0.0189489	0.00826047	0.0217952	0.290534	0.051067	1.28E-08	0.0652209	0.0306562	0.03337866	0.00699233	7	0.45862237
ENSG00000242574	6	HLA-DMB	32902406	rs112935194	6	32957897	C	T	0.0526839	-0.0246643	0.0157154	0.116546	0.726647	0.107684	1.50E-11	-0.0339426	0.0222045	0.1263548	0.6644387	10	0.66478242
ENSG00000204257	6	HLA-DMA	32916390	rs57331574	6	32961191	C	T	0.0516899	-0.0246735	0.0157152	0.116406	1.19249	0.114039	1.36E-25	-0.0206907	0.0133262	0.1205098	0.4608874	20	0.66369299
ENSG00000223865	6	HLA-DPB1	33043703	rs2076312	6	33142162	A	C	0.173956	0.0116468	0.0104918	0.266962	0.467778	0.0774562	1.55E-09	0.0248981	0.0228048	0.2749232	0.1460486	8	0.78643683
ENSG00000224557	6	HLA-DPB2	33080228	rs3129279	6	33091370	A	G	0.2167	0.0125641	0.00968493	0.194533	1.10218	0.101227	1.31E-27	0.0113993	0.00884922	0.1976859	0.08248944	20	0.71789368
ENSG00000230313	6	HCG24	33112560	rs4711318	6	33090336	A	G	0.359841	0.0210102	0.0083012	0.0113744	0.90604	0.0930894	2.18E-22	0.023189	0.00946678	0.01430475	0.4406988	20	0.36922688
ENSG00000204228	6	HSD17B8	33172419	rs386084	6	33192662	A	G	0.293241	0.015052	0.00880509	0.0873635	-0.33194	0.0515732	1.22E-10	-0.0453455	0.0274458	0.098497	0.6883212	14	0.65086925
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.675016	0.0680516	3.44E-23	-0.0147277	0.0265463	0.5790355	0.3709066	16	0.89834695
ENSG00000030110	6	BAK1	33540329	rs210143	6	33546930	C	T	0.72664	0.00953471	0.00975137	0.328182	-0.567083	0.0653652	4.11E-18	-0.0168136	0.0173045	0.3312346	0.2330445	17	0.82926226
ENSG00000204188	6	GGNBP1	33551515	rs77388871	6	32992365	T	A	0.0149105	0.0688632	0.0977013	0.480914	-1.50797	0.267096	1.64E-08	-0.0456662	0.0652929	0.4842991	0.7267994	3	0.86678664

ENSG00000161904	6	LEMD2	33738979	rs9357164	6	33761021	C	T	0.503976	-0.019619	0.00805245	0.0148341	-0.320113	0.0395362	5.65E-16	0.0612877	0.0262692	0.01964487	0.00441058	11	0.39537444
ENSG00000196821	6	C6orf106	34555065	rs112563428	6	34800435	T	C	0.101392	-0.0229541	0.0102111	0.0245788	0.438275	0.0401472	9.59E-28	-0.0523737	0.0237872	0.02768226	0.4626911	20	0.43604346
ENSG00000124562	6	SNRPC	34725183	rs6457788	6	34721067	A	G	0.335984	-0.0087973	0.00857095	0.3047	-0.50318	0.054	1.18E-20	0.0174833	0.0171366	0.3076177	0.1068123	20	0.81150416
ENSG00000065060	6	UHRF1BP1	34759857	rs13215181	6	34759881	G	A	0.333996	-0.0087954	0.00857165	0.304845	0.54777	0.0674218	4.49E-16	-0.0160567	0.0157726	0.3086723	0.03301922	15	0.81256953
ENSG00000064999	6	ANKS1A	34857042	rs820075	6	35034059	C	T	0.379722	0.00572705	0.00825995	0.488089	0.47521	0.0653643	3.59E-13	0.0120516	0.0174606	0.4900559	0.6665556	13	0.86806745
ENSG00000198755	6	RPL10A	35436185	rs12525930	6	35439932	C	T	0.571571	0.00193904	0.00832025	0.815722	-0.325774	0.0491871	3.52E-11	-0.0059521	0.0255557	0.815834	0.3684979	9	0.97213764
ENSG00000196748	6	CLPSL2	35744371	rs2766577	6	35743233	A	T	0.285288	-0.0019368	0.00881401	0.826075	0.592092	0.0991325	2.33E-09	-0.0032711	0.0148963	0.8261903	0.5198387	5	0.97477445
ENSG00000096063	6	SRPK1	35800743	rs639421	6	35887466	T	C	0.323062	-0.0079699	0.00854343	0.35089	0.240517	0.0417682	8.49E-09	-0.0331363	0.0359842	0.3571248	0.4947735	6	0.840274
ENSG00000112053	6	SLC26A8	35911291	rs602932	6	35981637	T	C	0.236581	-0.0263817	0.00921289	0.00418909	-0.616948	0.0673289	5.04E-20	0.0427616	0.0156452	0.00627205	0.350279	9	0.30017552
ENSG00000156711	6	MAPK13	36095586	rs10447375	6	36115488	T	C	0.307157	0.0164146	0.00977604	0.0931387	0.319957	0.03959	6.38E-16	0.0513025	0.0312067	0.1001846	0.6817931	5	0.65086925
ENSG00000246982	6	RP1-179N16.6	36114475	rs2859135	6	36114703	T	C	0.637177	-0.0149821	0.00919647	0.103288	-0.686626	0.0735102	9.58E-21	0.0218199	0.0135959	0.1085187	0.1563017	14	0.65086925
ENSG00000010030	6	ETV7	36322419	rs7766404	6	36363819	T	C	0.542744	-0.016877	0.00805923	0.0362493	-0.497511	0.0817089	1.14E-09	0.0339229	0.0171304	0.04767285	0.6569103	12	0.53621652
ENSG00000198937	6	CCDC167	37450696	rs2776916	6	37462040	T	C	0.701789	-0.0119061	0.00832666	0.152752	0.512256	0.0616176	9.29E-17	-0.0232425	0.0164936	0.1587803	0.0860866	17	0.68549033
ENSG00000183826	6	BTBD9	38136227	rs12198616	6	38144000	C	G	0.590457	0.00831144	0.0080817	0.303749	0.173162	0.0283483	1.01E-09	0.0479981	0.0473282	0.3105094	0.7419454	4	0.81319251
ENSG00000164627	6	KIF6	39297766	rs113412831	6	39693193	T	A	0.0745527	0.00301838	0.0154952	0.845554	0.716365	0.0735823	2.13E-22	0.00421347	0.0216346	0.8455843	0.9919962	8	0.98207023
ENSG00000161912	6	ADCY10P1	41068761	rs72856298	6	41113920	C	T	0.132207	0.00932996	0.0136154	0.493187	0.761067	0.0747752	2.48E-24	0.0122591	0.0179304	0.4941629	0.8026238	18	0.86806745
ENSG00000048545	6	GUCA1A	42123144	rs1467448	6	42146298	C	G	0.0656064	0.0114437	0.0155153	0.460772	0.814542	0.119128	8.06E-12	0.0140492	0.0191584	0.4633627	0.9219468	9	0.86418667
ENSG00000112599	6	GUCA1B	42152139	rs13197564	6	42184400	T	C	0.637177	0.00399486	0.00886038	0.652085	0.697018	0.0673904	4.50E-25	0.00573136	0.0127239	0.6523932	0.06835143	13	0.9271714
ENSG00000048544	6	MRPS10	42174539	rs6936290	6	42176451	A	G	0.83996	0.0210517	0.0141199	0.135982	0.446367	0.0671659	3.02E-11	0.0471623	0.0324192	0.1457344	0.8077045	3	0.68107362
ENSG00000112619	6	PRPH2	42664340	rs3818087	6	42672407	C	T	0.256461	-0.0124102	0.00938345	0.18598	0.933964	0.0649628	7.23E-47	-0.0132877	0.0100893	0.187838	0.06323842	20	0.70253861
ENSG00000221821	6	C6orf226	42858005	rs61732354	6	42858524	T	C	0.0149105	-0.018648	0.0291273	0.522028	-0.828572	0.144214	9.17E-09	0.0225062	0.0353712	0.5245901	0.8376606	7	0.88359466
ENSG00000124713	6	GNMT	42928496	rs2296804	6	42931261	G	C	0.588469	0.00247486	0.00811008	0.760246	-0.972391	0.0738296	1.29E-39	-0.0025451	0.00834259	0.7603078	0.6670856	20	0.9549947
ENSG00000124587	6	PEX6	42931608	rs9986447	6	42942779	G	A	0.459245	-0.0003573	0.00832962	0.965787	0.785993	0.0591212	2.49E-40	-0.0004546	0.0105976	0.965787	0.9286421	19	0.99424461
ENSG00000112659	6	CUL9	43149913	rs9472022	6	43152573	G	A	0.122266	0.00920565	0.0116054	0.427649	-0.414583	0.0715165	6.75E-09	-0.0222046	0.0282538	0.4319272	0.5259989	5	0.86418667
ENSG00000137225	6	CAPN11	44126548	rs914503	6	44134581	T	C	0.713718	-0.0045304	0.00920531	0.622613	0.771475	0.0874125	1.09E-18	-0.0058724	0.0119506	0.6231525	0.2233808	13	0.91443861
ENSG00000146221	6	TCTE1	44246480	rs325001	6	44270936	T	C	0.552684	-0.0071476	0.00805661	0.374985	-0.332973	0.058223	1.07E-08	0.021466	0.0244854	0.3806565	0.2045066	8	0.84640362
ENSG00000196284	6	SUPT3H	44777054	rs9472367	6	44774597	T	C	0.265408	0.0028687	0.00922701	0.755875	0.709688	0.101294	2.45E-12	0.0040422	0.0130143	0.7561072	0.3618005	20	0.9539366
ENSG00000231769	6	RP1-8B1.4	46064830	rs13210417	6	46074143	G	A	0.676938	0.0315708	0.00904478	0.0004821	-0.815283	0.0797031	1.47E-24	-0.0387237	0.0117222	0.00095498	0.7673675	15	0.19443108
ENSG00000112796	6	ENPP5	46126924	rs2235881	6	46129345	A	G	0.534791	0.0202999	0.00806528	0.0118378	-0.521589	0.052121	1.42E-23	-0.0389193	0.0159445	0.01464955	0.1511707	15	0.36922688
ENSG00000153291	6	SLC25A27	46620678	rs2270450	6	46644875	T	C	0.276342	0.0239279	0.00893186	0.0073855	0.719718	0.056429	2.95E-37	0.0332462	0.012681	0.00874845	0.6147413	20	0.31817178
ENSG00000180113	6	TDRD6	46655612	rs2270450	6	46644875	T	C	0.276342	0.0239279	0.00893186	0.0073855	-0.758303	0.0666297	5.21E-30	-0.0315545	0.0121007	0.00911611	0.8248119	20	0.32215999
ENSG00000146085	6	MUT	49398073	rs112909331	6	49828372	A	C	0.0119284	0.0293807	0.0405879	0.469139	0.988033	0.135387	2.92E-13	0.0297366	0.0412811	0.4713136	0.4559157	9	0.86418667
ENSG00000031691	6	CENPQ	49431091	rs1471539	6	49460152	G	A	0.4334	0.00555906	0.0081465	0.494994	0.594604	0.0594193	1.42E-23	0.00934918	0.0137325	0.4959947	0.3008106	20	0.86872655
ENSG00000112118	6	MCM3	52128807	rs9474218	6	52277984	A	G	0.0407555	0.0140608	0.0271433	0.604443	0.968876	0.117224	1.40E-16	0.0145125	0.0280702	0.6051516	0.6947825	4	0.90555682
ENSG00000170915	6	PAQR8	52226219	rs74680118	6	52237386	C	T	0.191849	0.0150735	0.00991601	0.128481	0.325702	0.0509503	1.63E-10	0.04628	0.031294	0.1391725	0.1945847	3	0.67926006
ENSG00000096093	6	EFHC1	52285106	rs62407916	6	52369103	A	G	0.122266	0.00486788	0.0112418	0.665004	0.512085	0.0822661	4.82E-10	0.009506	0.022006	0.6657617	0.9041185	9	0.93231526
ENSG00000216775	6	RP1-152L7.5	52529946	rs1000809	6	52535274	G	A	0.715706	0.010485	0.00889174	0.238324	-0.597533	0.103218	7.08E-09	-0.0175471	0.0151863	0.2479032	0.2642969	3	0.76274604
ENSG00000243955	6	GSTA1	52656462	rs60120296	6	52732547	T	G	0.37674	-1.71E-05	0.00857489	0.998405	0.500038	0.0871865	9.74E-09	-3.43E-05	0.0171485	0.998405	0.7322584	6	0.99901418
ENSG00000146151	6	HMGCLL1	55299167	rs1546299	6	55299220	G	T	0.656064	0.00604489	0.00845239	0.474504	0.223805	0.0351072	1.83E-10	0.0270096	0.0380037	0.4772634	0.3599366	8	0.86418667
ENSG00000231441	6	RP11-472M19.2	56708800	rs34896026	6	56694181	A	C	0.193837	0.0119949	0.00989669	0.22551	0.7483	0.13707	4.78E-08	0.0160295	0.0135476	0.2367288	0.9942449	7	0.75264543
ENSG00000151917	6	BEND6	56819773	rs12154043	6	56820163	A	G	0.754473	-0.0011594	0.00868208	0.893764	0.494969	0.0392769	2.06E-36	-0.0023424	0.0175416	0.89377	0.4569035	20	0.98658093
ENSG00000168116	6	KIAA1586	56911347	rs2273921	6	57006933	C	T	0.241551	0.0041302	0.00859	0.630648	-0.414679	0.0729214	1.30E-08	-0.00996	0.0207887	0.6318636	0.9947191	3	0.91979557
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs6915273	6	58283185	T	C	0.373757	-0.0078325	0.00860069	0.362463	-0.43206	0.0521262	1.14E-16	0.0181282	0.020026	0.3653413	0.4086277	13	0.840274
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs4083398	6	58196307	G	A	0.715706	0.00108306	0.00871487	0.901096	0.606121	0.0683247	7.24E-19	0.00178687	0.0143795	0.9011054	0.9538432	20	0.98658093
ENSG00000239650	6	GUSBP4	58246051	rs4529322	6	58261295	G	C	0.717694	0.00102639	0.00871051	0.906199	0.608413	0.0899906	1.37E-11	0.001687	0.0143189	0.9062138	0.9477852	8	0.98658093
ENSG00000215190	6	LINC00680	58272352	rs11759752	6	58272379	C	T	0.258449	-0.0019999	0.00952814	0.833752	-0.902916	0.0775844	2.65E-31	0.00221491	0.0105543	0.8337786	0.4430413	20	0.9781418
ENSG00000250686	6	RP1-240B8.3	62340138	rs213833	6	62366272	C	T	0.250497	0.00706742	0.00852437	0.407057	0.565416	0.0814309	3.82E-12	0.0124995	0.0151834	0.4103736	0.7544219	16	0.86169255
ENSG00000112232	6	KHDRBS2	62389865	rs1192446	6	62679321	A	C	0.464215	0.0113131	0.00805238	0.160041	0.193143	0.0339902	1.33E-08	0.0585737	0.0429467	0.1726087	0.9936917	5	0.6962068
ENSG00000230910	6	RP3-525N10.2	69339854	rs2585593	6	69382507	T	C	0.375746	0.0139342	0.00849801	0.101067	0.302308	0.0507773	2.62E-09	0.0460927	0.0291571	0.1139142	0.2337468	6	0.65830417
ENSG00000154079	6	C6orf57	71276620	rs6940416	6	71253318	A	G	0.175944	0.00141725	0.00947358	0.88108	-0.453534	0.0713985	2.12E-10	-0.0031249	0.0208941	0.8811127	0.2105959	18	0.98658093
ENSG00000271967	6	RP11-134K13.4	71306141	rs1208476	6	71152462	A	T	0.375746	-0.0092274	0.00816672	0.25853	-0.555896	0.0890318	4.27E-10	0.0165991	0.0149297	0.2662177	0.6911231	10	0.78068516
ENSG00000256980	6	KHDC1L	73933267	rs6904505	6	73955930	C	G	0.225646	-0.0013648	0.00967288	0.887798	0.735072	0.103669	1.34E-12	-0.0018566	0.0131617	0.8878198	0.7877795	16	0.98658093
ENSG00000234882	6	EIF3EP1	74001685	rs16883573	6	74019376	C	T	0.0984095	-0.0038768	0.0115299	0.73669	0.591129	0.0847319	3.03E-12	-0.0065583	0.0195275	0.7369861	0.5622185	11	0.94997803
ENSG00000203908	6	KHDC3L	74072400	rs510551	6	73972946	T	G	0.793241	-0.0081151	0.00932783	0.384305	-0.491273	0.0856442	9.68E-09	0.0165186	0.0192042	0.3897039	0.4880153	4	0.84859336
ENSG00000112701	6	SENP6	76311225	rs11756209	6	76402905	G	A	0.33002	0.0106785	0.00894046	0.232319	-0.267619	0.0478801	2.28E-08	-0.0399019	0.0341617	0.2427944	0.8063518	10	0.76015979
ENSG00000196586	6	MYO6	76458909	rs3798455	6	76482136	A	G	0.159046	0.0112576	0.0116667	0.334578	-0.273671	0.0368321	1.08E-13	-0.0411355	0.0429884	0.3386182	0.5352115	20	0.83341904
ENSG00000198478	6	SH3BGRL2	80341000	rs55728170	6	80414761	A	G	0.0586481	-0.00379	0.016787	0.82138	0.557192	0.0847176	4.80E-11	-0.006802	0.0301456	0.8214833	0.1170976	3	0.97259053
ENSG00000135318	6	NT5E	86159809	rs7746186	6	86174860	T	C	0.136183	-0.0008921	0.0129597	0.945121	0.362775	0.0624114	6.15E-09	-0.0024591	0.0357263	0.9451248	0.4283405	3	0.99347767
ENSG00000220563	6	PKMP3	86369610	rs9885944	6	86149161	G	C	0.518887	0.0257597	0.00806617	0.00140537	0.411765	0.0648553	2.17E-10	0.0625592	0.0219278	0.00433137	0.288792	14	0.27687143
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.776358	0.0508631	1.34E-52	0.0405201	0.0106945	0.00015133	0.6952374	20	0.15046502
ENSG00000111850	6	SMIM8	88032301	rs9344685	6	87874662	T	G	0.521869	-0.0072342	0.00806387	0.369659	0.527769	0.0589651	3.54E-19	-0.0137071	0.0153557	0.3720499	0.1141499	19	0.84160563
ENSG00000272514	6	C6ORF165	88117701	rs9450674	6	88120920	C	G	0.263419	0.0156487	0.00938022	0.0952643	0.508316	0.0809308	3.37E-10	0.0307854	0.0190934	0.1068837	0.444693	12	0.65086925
ENSG00000083099	6	LYRM2	90277863	rs66750524	6	90451868	C	A	0.2167	-0.0142865	0.00958817	0.13622	0.719267	0.0748719	7.50E-22	-0.0198626	0.0134899	0.1409108	0.8842527	20	0.67926006
ENSG00000261366	6	MANEA-AS1	96023059	rs6926986	6	96016830	T	A	0.573559	0.00044481	0.00805849	0.955982	-0.449931	0.0813388	3.17E-08	-0.0009886	0.0179114	0.9559837	0.08075106	5	0.99347767
ENSG00000123545	6	NDUFAF4	97337189	rs12202527	6	97354319	A	G	0.132207	0.0113579	0.0122035	0.352006	0.461641	0.0530761	3.39E-18	0.0246033	0.026586	0.3547447	0.6029829	8	0.840274
ENSG00000228506	6	RP11-98I9.4	99872798	rs4840044	6	99888013	G	A	0.493042	-0.0012041	0.00807225	0.881422	0.907128	0.0817758	1.36E-28	-0.0013274	0.00889949	0.8814328	0.2953958	20	0.98658093
ENSG00000219755	6	RP1-199J3.5	100023588	rs330868	6	100012955	C	T	0.812127	0.00958848	0.0089081	0.281758	0.828307	0.0999758	1.18E-16	0.011576	0.010845	0.285788	0.9123112	20	0.79641232
ENSG00000152034	6	MCHR2	100367786	rs74561970	6	100441416	A	G	0.0576541	-0.0487947	0.0190707	0.0105087	0.540587	0.0775635	3.18E-12	-0.0902624	0.0375799	0.0163109	0.1322424	9	0.38351036
ENSG00000112249	6	ASCC3	100956070	rs9404055	6	101302260	T	C	0.0487078	-0.0204483	0.015991	0.200989	-0.681136	0.118213	8.32E-09	0.0300209	0.0240482	0.2118974	0.2718897	8	0.73429563
ENSG00000085382	6	HACE1	105175968	rs9377679	6	105345036	T	C	0.516899	-0.0071937	0.00810773	0.374938	0.385271	0.0422035	6.92E-20	-0.0186717	0.0211434	0.3771826	0.4309273	20	0.84606348
ENSG00000130348	6	QRSL1	107077453	rs2054365	6	107077502	A	G	0.383698	-0.0065645	0.00831098	0.429614	-0.817187	0.0715055	3.02E-30	0.00803298	0.0101945	0.4307125	0.6140169	20	0.86418667
ENSG00000081087	6	OSTM1	108362613	rs9285396	6	108373674	G	A	0.2833	-0.0133177	0.00842908	0.114112	0.325582	0.0475225	7.33E-12	-0.0409043	0.0265688	0.1236673	0.08749529	8	0.66369299
ENSG00000118690	6	ARMC2	109169619	rs2754817	6	109240465	C	T	0.771372	-0.004712	0.0103754	0.64972	-0.503241	0.0635961	2.51E-15	0.00936327	0.0206511	0.6502585	0.1989574	13	0.92645958
ENSG00000203799	6	CCDC162P	109612231	rs6925339	6	109559416	A	G	0.302187	0.00846458	0.00831652	0.308772	-0.664276	0.0867981	1.96E-14	-0.0127426	0.0126299	0.313013	0.1677785	11	0.81435501
ENSG00000135535	6	CD164	109687717	rs4945829	6	109638828	C	T	0.356859	-0.0025352	0.00868425	0.770336	0.228406	0.0393802	6.63E-09	-0.0110997	0.0380692	0.7706182	0.2762099	4	0.95757675
ENSG00000185250	6	PPIL6	109711418	rs79097132	6	109725822	A	G	0.0675944	-0.0231038	0.014435	0.10948	-0.898166	0.116576	1.31E-14	0.0257233	0.0164148	0.1170952	0.6195221	19	0.66335906
ENSG00000135587	6	SMPD2	109761966	rs12528822	6	109661541	C	G	0.354871	-0.0122362	0.00835146	0.142877	0.543169	0.0770295	1.77E-12	-0.0225274	0.0157038	0.1514245	0.2454675	12	0.68107362
ENSG00000155085	6	AK9	109814059	rs13201430	6	109956050	T	C	0.423459	-0.0179619	0.00807438	0.0261114	-0.491999	0.0671206	2.30E-13	0.036508	0.0171505	0.03328031	0.7962177	20	0.45862237
ENSG00000203797	6	DDO	110712974	rs9374176	6	110737247	T	C	0.40159	-0.0131257	0.00810024	0.105144	0.24262	0.0418218	6.58E-09	-0.0540998	0.0346645	0.1186014	0.421097	5	0.66369299
ENSG00000197498	6	RPF2	111303218	rs9688718	6	111349524	T	C	0.228628	-0.0017111	0.00960112	0.858555	-0.370618	0.0644602	8.95E-09	0.00461678	0.0259181	0.8586216	0.6013503	4	0.98554401
ENSG00000231889	6	TRAF3IP2-AS1	111804714	rs13210247	6	111922720	G	A	0.083499	-0.0224296	0.016239	0.167211	0.769134	0.130822	4.12E-09	-0.0291621	0.0216882	0.1787512	0.724977	6	0.69774631
ENSG00000255389	6	C6orf3	111921078	rs9481169	6	111929862	T	G	0.105368	-0.0270014	0.0150236	0.0722936	-1.04591	0.0934044	4.19E-29	0.0258162	0.014548	0.07597165	0.4138578	20	0.61408976
ENSG00000203778	6	FAM229B	112408802	rs6940134	6	112417353	A	G	0.499006	0.00213896	0.0081114	0.792012	0.336432	0.0523965	1.35E-10	0.00635778	0.0241304	0.7921838	0.0749668	5	0.96390687
ENSG00000188820	6	FAM26F	116782533	rs117361304	6	116783619	G	T	0.0914513	0.0182928	0.012437	0.141336	-0.967424	0.15746	8.05E-10	-0.0189088	0.013219	0.1525969	0.9907965	4	0.68213364
ENSG00000047936	6	ROS1	117609463	rs17634067	6	117730673	A	G	0.111332	-0.0048352	0.0108102	0.654668	0.433383	0.0786465	3.58E-08	-0.011157	0.0250258	0.6557282	0.03090663	6	0.92753488
ENSG00000164465	6	DCBLD1	117774980	rs56356719	6	117959945	A	T	0.194831	-0.0038774	0.00935253	0.67845	0.363829	0.0665521	4.58E-08	-0.0106571	0.0257797	0.6793189	0.1957872	9	0.93372697
ENSG00000111879	6	FAM184A	119280928	rs6569040	6	119427333	A	G	0.548708	0.011238	0.00814674	0.167759	-0.372692	0.0596602	4.19E-10	-0.0301536	0.0223858	0.1779811	0.6045581	8	0.69740293
ENSG00000111906	6	HDDC2	125541108	rs112982980	6	125622737	G	T	0.172962	-0.0168137	0.0132224	0.203514	-0.507024	0.0555814	7.36E-20	0.0331615	0.0263306	0.2078751	0.2616601	20	0.73069947
ENSG00000237742	6	RP11-624M8.1	125899704	rs2875881	6	126072853	G	C	0.599404	-0.0075845	0.00813311	0.351054	-0.562813	0.0672549	5.84E-17	0.0134761	0.0145403	0.354025	0.7024213	20	0.840274
ENSG00000198945	6	L3MBTL3	130334844	rs7740107	6	130374461	A	T	0.734592	0.00324847	0.00911463	0.721539	-0.607637	0.0864909	2.13E-12	-0.0053461	0.0150194	0.7218825	0.3635438	8	0.94509525
ENSG00000231023	6	LINC00326	133409219	rs271165	6	133278879	G	C	0.428429	0.00598513	0.00809927	0.459924	-0.869322	0.0716208	6.66E-34	-0.0068848	0.00933402	0.460754	0.2437945	20	0.86418667
ENSG00000118514	6	ALDH8A1	135238528	rs1014021	6	135334600	G	A	0.491054	0.0010014	0.00813763	0.902061	-0.747709	0.0655192	3.64E-30	-0.0013393	0.0108841	0.9020669	0.3446028	20	0.98658093
ENSG00000112339	6	HBS1L	135281516	rs11754265	6	135356216	C	G	0.493042	0.00089417	0.00813757	0.912503	-0.320528	0.0490561	6.41E-11	-0.0027897	0.0253916	0.9125157	0.7597538	10	0.98821764
ENSG00000232876	6	CTA-212D2.2	135376171	rs41294852	6	135376379	G	T	0.488072	0.00136494	0.00813803	0.866801	-0.92939	0.0871664	1.53E-26	-0.0014686	0.0087574	0.866817	0.4257969	20	0.98554401
ENSG00000135541	6	AHI1	135604670	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.648763	0.0523545	2.90E-35	-0.006867	0.0161253	0.6702151	0.7198316	12	0.93280877
ENSG00000234084	6	RP3-388E23.2	135622706	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.673723	0.0684877	7.79E-23	-0.0066126	0.0155332	0.6703226	0.5982158	8	0.93280877
ENSG00000272189	6	RP3-325F22.5	136871799	rs746973	6	136861575	A	C	0.156064	0.0184477	0.0114405	0.106857	0.625438	0.111989	2.34E-08	0.0294957	0.0190392	0.1213313	0.5305498	9	0.66369299
ENSG00000112357	6	PEX7	137143717	rs35265594	6	137189311	G	C	0.0984095	-0.0136978	0.0133797	0.305942	-0.747165	0.09176	3.87E-16	0.018333	0.0180483	0.3097354	0.02315262	7	0.81319251
ENSG00000016402	6	IL20RA	137321108	rs9376244	6	137368147	A	G	0.0745527	-0.0071563	0.016672	0.667747	-0.620056	0.0901491	6.06E-12	0.0115414	0.0269402	0.6683529	0.8562563	6	0.9328055
ENSG00000225177	6	RP11-390P2.4	139013685	rs1129180	6	139018132	G	A	0.22167	-0.0077603	0.0102507	0.449023	0.63007	0.0594676	3.14E-26	-0.0123165	0.0163106	0.4501748	0.8136135	20	0.86418667
ENSG00000189007	6	ADAT2	143743969	rs2496590	6	143735762	C	T	0.558648	0.013297	0.00847833	0.116798	0.354123	0.0610481	6.60E-09	0.0375491	0.0248014	0.1300283	0.10606	4	0.66823977
ENSG00000235652	6	RP11-545I5.3	146136048	rs9386132	6	146140751	C	T	0.410537	0.00239079	0.00807674	0.767224	0.497027	0.0595607	7.13E-17	0.00481018	0.0162603	0.7673651	0.4085063	10	0.9565588
ENSG00000164506	6	STXBP5	147525561	rs2119490	6	147566285	T	C	0.428429	-0.0092988	0.00809426	0.250634	-0.197091	0.0349999	1.79E-08	0.0471801	0.0419146	0.2603242	0.6549903	8	0.7755295
ENSG00000111962	6	UST	149068464	rs10499257	6	149242720	C	T	0.204771	-0.0006933	0.0110609	0.950021	0.629832	0.0827684	2.75E-14	-0.0011008	0.0175623	0.9500223	0.6389906	9	0.99347767
ENSG00000228408	6	RP1-111D6.3	149539062	rs9377197	6	149533668	A	C	0.301193	-0.0087501	0.00926899	0.345159	0.453109	0.0568281	1.54E-15	-0.0193113	0.0205993	0.3485148	0.495741	12	0.83795664
ENSG00000131023	6	LATS1	149979289	rs7752594	6	150000642	C	G	0.357853	0.011198	0.00829212	0.176876	0.270151	0.0440517	8.65E-10	0.0414509	0.0314298	0.1872222	0.418263	10	0.70253861
ENSG00000231760	6	RP11-350J20.5	150117711	rs2342765	6	150180009	C	G	0.365805	0.0121803	0.00825559	0.140106	0.722778	0.100646	6.90E-13	0.0168521	0.0116606	0.1483975	0.6500456	20	0.68107362
ENSG00000268592	6	RP11-244K5.8	150183733	rs7763719	6	150186535	G	T	0.435388	0.00563924	0.00816071	0.489551	0.414218	0.0717604	7.82E-09	0.0136142	0.0198422	0.4926349	0.2276797	9	0.86806745
ENSG00000203722	6	RAET1G	150238014	rs7763719	6	150186535	G	T	0.435388	0.00563924	0.00816071	0.489551	0.943383	0.087257	3.04E-27	0.00597768	0.00866813	0.4904357	0.3546873	20	0.86806745
ENSG00000131015	6	ULBP2	150263136	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	0.457886	0.0633617	4.95E-13	0.0144978	0.0179439	0.4191205	0.3340635	16	0.86418667
ENSG00000112031	6	MTRF1L	153308497	rs3818127	6	153323896	C	T	0.697813	0.0293675	0.00901811	0.00112792	-1.0333	0.0799668	3.40E-38	-0.0284211	0.00900038	0.00158984	0.00164958	20	0.1985174
ENSG00000235381	6	RP11-477D19.2	155574273	rs3011906	6	155568881	G	A	0.481113	-0.0141235	0.00808772	0.0807607	0.559917	0.0620672	1.86E-19	-0.0252243	0.0147126	0.08644382	0.7565217	20	0.63995761
ENSG00000029639	6	TFB1M	155578643	rs1334687	6	155635637	C	A	0.592445	0.00600881	0.0081233	0.459481	-0.503427	0.0810978	5.38E-10	-0.0119358	0.0162502	0.4626414	0.7810242	6	0.86418667
ENSG00000122335	6	SERAC1	158530536	rs6929520	6	158571655	C	G	0.694831	0.00901858	0.00889998	0.310904	0.342807	0.0567057	1.49E-09	0.026308	0.0263243	0.3176089	0.8565244	3	0.81665079
ENSG00000271913	6	RP1-111C20.4	159409210	rs926657	6	159463452	T	C	0.055666	-0.0108918	0.0172957	0.528864	-0.669294	0.107231	4.33E-10	0.0162736	0.0259729	0.5309481	0.7367667	4	0.88585906
ENSG00000112110	6	MRPL18	160210844	rs3798211	6	160186920	C	A	0.539761	-0.0026506	0.00814782	0.744941	-0.31515	0.0474564	3.12E-11	0.00841069	0.0258848	0.7452355	0.8810779	7	0.95189833
ENSG00000146453	6	PNLDC1	160221298	rs11757681	6	160211728	G	T	0.513917	0.00047899	0.00812686	0.953	-0.370848	0.0614585	1.60E-09	-0.0012916	0.0219153	0.9530027	0.7164922	4	0.99347767
ENSG00000146477	6	SLC22A3	160769300	rs3088442	6	160872652	A	G	0.351889	-0.0021302	0.00868217	0.806186	0.420163	0.054296	1.01E-14	-0.0050698	0.0206742	0.8062818	0.2971572	20	0.96661161
ENSG00000112530	6	PACRG	163148164	rs13213421	6	163203805	G	A	0.121272	0.0381831	0.017447	0.0286325	0.627133	0.0955148	5.17E-11	0.0608852	0.029325	0.03787359	0.1131948	11	0.4779761
ENSG00000235994	6	RP3-470B24.5	168376604	rs225755	6	168420221	G	C	0.522863	-0.0048362	0.00847723	0.568346	0.668257	0.0872585	1.88E-14	-0.007237	0.0127207	0.5694159	0.1740558	20	0.89834695
ENSG00000229921	6	KIF25-AS1	168393502	rs225755	6	168420221	G	C	0.522863	-0.0048362	0.00847723	0.568346	0.847642	0.0885013	9.92E-22	-0.0057054	0.0100187	0.5690312	0.214753	20	0.89834695
ENSG00000125337	6	KIF25	168396921	rs2636356	6	168410364	C	T	0.540755	-0.004797	0.00812717	0.555032	-0.612716	0.0956614	1.50E-10	0.00782899	0.0133204	0.5567028	0.2986341	20	0.89043924
ENSG00000164488	6	DACT2	168693510	rs67697211	6	168728700	G	A	0.208748	0.00592372	0.00986918	0.548357	-0.573405	0.0917077	4.04E-10	-0.0103308	0.0172907	0.5501887	0.4690535	4	0.88759986
ENSG00000112562	6	SMOC2	168841831	rs16887198	6	169009635	C	T	0.208748	-0.0176587	0.0106001	0.0957348	-0.427864	0.0705835	1.35E-09	0.0412718	0.025693	0.1081984	0.06290611	6	0.65086925
ENSG00000226445	6	XXyac-YX65C7_A.	169613349	rs9505939	6	169612102	C	A	0.483101	-0.005322	0.00811672	0.512028	0.447301	0.0737443	1.31E-09	-0.011898	0.0182517	0.5144756	0.3676839	4	0.87880989
ENSG00000186340	6	THBS2	169615875	rs35935937	6	169632219	A	G	0.16998	0.00131751	0.010163	0.896853	0.424557	0.064261	3.93E-11	0.00310326	0.0239425	0.8968727	0.6916129	12	0.98658093
ENSG00000226194	6	RP1-137D17.1	169770093	rs760947	6	169963939	A	G	0.214712	0.00326658	0.0100128	0.744242	0.699656	0.109651	1.76E-10	0.00466884	0.0143297	0.7445645	0.7335165	20	0.95179329
ENSG00000184465	6	WDR27	169857307	rs3211062	6	170108799	T	C	0.326044	0.00921509	0.00878587	0.294246	-0.438405	0.0602618	3.46E-13	-0.0210196	0.0202477	0.2992142	0.7672441	20	0.80631721
ENSG00000231690	6	LINC00574	170190417	rs1413253	6	170205510	A	G	0.204771	0.00482675	0.00961696	0.615738	-0.497625	0.091009	4.55E-08	-0.0096996	0.019407	0.6172169	0.6331555	17	0.91242877
ENSG00000273100	6	RP11-302L19.3	170493905	rs3012386	6	170471327	G	A	0.411531	0.0122628	0.00808878	0.129513	0.557337	0.0643198	4.51E-18	0.0220025	0.0147337	0.1353476	0.6458612	20	0.67869568
ENSG00000112584	6	FAM120B	170599791	rs12196499	6	170635900	T	C	0.801193	0.0033496	0.0125836	0.790094	0.491755	0.0840038	4.80E-09	0.00681152	0.0256156	0.7903062	0.8536584	5	0.96301985
ENSG00000261003	6	RP1-140C12.2	170723227	rs13207394	6	170713885	G	C	0.0715706	-0.0013	0.0195127	0.946881	1.25989	0.145113	3.88E-18	-0.0010318	0.0154881	0.9468828	0.6105359	14	0.99347767
ENSG00000071994	6	PDCD2	170884383	rs4140615	6	170892848	G	A	0.510934	0.00119755	0.00805543	0.88182	0.410034	0.0572924	8.25E-13	0.00292061	0.01965	0.8818443	0.36362	20	0.98658093
ENSG00000242611	7	AC093627.8	77038	rs144723171	7	70011	A	T	0.219682	-0.0001073	0.010132	0.991549	0.967674	0.101265	1.23E-21	-0.0001109	0.0104705	0.9915495	0.9901735	20	0.99595203
ENSG00000240859	7	AC093627.10	149597	rs76029673	7	161970	A	G	0.0367793	-0.0331414	0.0198264	0.0946063	-1.89135	0.230773	2.49E-16	0.0175226	0.0106985	0.1014509	0.8834457	5	0.65086925
ENSG00000223855	7	AC147651.3	560028	rs9770574	7	564581	A	G	0.17495	0.0080158	0.01051	0.44565	1.43004	0.0981453	4.32E-48	0.0056053	0.00735951	0.4462746	0.3621445	20	0.86418667
ENSG00000146540	7	C7orf50	1036622	rs11559183	7	1037025	A	C	0.0715706	-0.020108	0.0162487	0.215897	0.750861	0.0751806	1.73E-23	-0.0267799	0.0218056	0.2194009	0.6479962	20	0.74274316
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.12361	0.0699107	4.00E-58	-0.0063929	0.00748414	0.3929985	0.8043132	20	0.8487255
ENSG00000273230	7	RP11-1246C19.1	1504133	rs4720789	7	1504976	T	C	0.7167	0.0123546	0.00891673	0.165885	-0.344542	0.0515426	2.32E-11	-0.035858	0.02643	0.1748718	0.9518538	14	0.69660051
ENSG00000164880	7	INTS1	1509913	rs7806171	7	1542125	G	A	0.462227	0.00582917	0.00805946	0.469514	-0.543474	0.0475035	2.62E-30	-0.0107258	0.0148591	0.4703993	0.5821391	20	0.86418667
ENSG00000230487	7	PSMG3-AS1	1609709	rs4518570	7	1629376	C	T	0.38668	0.00166001	0.00833866	0.842205	-0.487052	0.0700632	3.61E-12	-0.0034083	0.0171277	0.8422687	0.8201297	18	0.98207023
ENSG00000122687	7	FTSJ2	2273866	rs3757437	7	2271980	T	C	0.336978	-0.0027093	0.00879214	0.757965	0.528338	0.0646456	3.01E-16	-0.005128	0.016653	0.7581311	0.4053453	20	0.95428733
ENSG00000174945	7	AMZ1	2719156	rs798565	7	2752152	A	G	0.279324	-0.0305549	0.00844558	0.00029705	-0.526147	0.0798704	4.47E-11	0.0580729	0.0183132	0.00151865	0.08927054	20	0.1985174
ENSG00000157927	7	RADIL	4836686	rs3750012	7	4828593	C	T	0.116302	-0.0095539	0.0164563	0.561535	0.67027	0.0944463	1.28E-12	-0.0142538	0.0246338	0.56284	0.8665699	20	0.89490604
ENSG00000196204	7	RNF216P1	5013619	rs115540690	7	5033063	G	C	0.10835	-0.026095	0.0154785	0.0918185	-1.05769	0.117239	1.85E-19	0.0246717	0.0148876	0.09747904	0.06274293	20	0.65086925
ENSG00000146587	7	RBAK	5085452	rs9639887	7	5020752	A	G	0.10835	-0.0260775	0.0154816	0.0921001	0.577623	0.0876595	4.42E-11	-0.0451462	0.0276641	0.1026914	0.4210923	10	0.65086925
ENSG00000272595	7	OR10AH1P	5156800	rs11762412	7	5189878	C	T	0.424453	-0.0004733	0.00831819	0.954625	-0.469358	0.0765046	8.51E-10	0.00100841	0.0177232	0.9546267	0.7154475	10	0.99347767
ENSG00000159904	7	ZNF890P	5160870	rs116964157	7	5881298	C	T	0.0864811	-0.0091755	0.0152043	0.54619	0.744256	0.0963758	1.14E-14	-0.0123284	0.0204911	0.5474096	0.7698138	20	0.8868228
ENSG00000235944	7	ZNF815P	5862791	rs118060809	7	5890328	G	A	0.0666004	0.00290073	0.0181047	0.872708	0.606253	0.0934416	8.70E-11	0.00478469	0.0298724	0.8727465	0.9752057	7	0.98658093
ENSG00000122674	7	CCZ1	5938356	rs7807287	7	6877519	G	A	0.44831	-0.0069425	0.00826067	0.40067	0.849049	0.0969798	2.04E-18	-0.0081768	0.00977405	0.4028287	0.4217101	12	0.85364306
ENSG00000122512	7	PMS2	6012870	rs12702467	7	6050390	G	A	0.236581	-0.0054344	0.00901917	0.546818	-0.387264	0.052904	2.48E-13	0.0140327	0.0233682	0.5481707	0.1698932	17	0.8868228
ENSG00000207217	7	SNORA42	6056508	rs13245536	7	6039941	T	G	0.140159	-0.0157987	0.0106313	0.137267	-0.723601	0.117493	7.34E-10	0.0218334	0.0151139	0.1485714	0.8559078	14	0.68107362

ENSG00000086232	7	EIF2AK1	6061881	rs13225265	7	6111464	T	C	0.312127	-0.0044369	0.00843111	0.598711	-0.36718	0.0658274	2.43E-08	0.0120837	0.0230638	0.6003287	0.6459884	5	0.90385749
ENSG00000215045	7	GRID2IP	6537093	rs75046124	7	6585477	T	C	0.0526839	0.00856071	0.0166619	0.6074	1.02054	0.164765	5.87E-10	0.00838841	0.0163826	0.6086293	0.5077146	4	0.90650194
ENSG00000136247	7	ZDHHC4	6617065	rs11559147	7	6617247	G	C	0.740557	9.75E-05	0.00826004	0.990584	0.400169	0.0654274	9.58E-10	0.00024359	0.0206414	0.9905845	0.4421262	5	0.99595203
ENSG00000187953	7	PMS2CL	6749759	rs57740170	7	6101822	A	G	0.0467197	0.0135137	0.0139768	0.33361	1.06553	0.149778	1.13E-12	0.0126826	0.0132378	0.3380331	0.786122	14	0.83307368
ENSG00000146574	7	CCZ1B	6833765	rs6970760	7	6877183	G	A	0.452286	0.00051403	0.00825982	0.950378	-0.76652	0.0843934	1.06E-19	-0.0006706	0.010776	0.9503788	0.2737592	17	0.99347767
ENSG00000106392	7	C1GALT1	7196565	rs10246303	7	7286445	T	A	0.439364	-0.0051191	0.00807606	0.526172	0.542591	0.0596733	9.66E-20	-0.0094345	0.0149204	0.5271744	0.1240666	20	0.88585906
ENSG00000230825	7	AC005532.5	7294785	rs1638216	7	7316101	A	G	0.496024	-0.0034157	0.00804669	0.671212	-0.544047	0.0814608	2.41E-11	0.00627832	0.0148203	0.6718355	0.4539038	12	0.93314638
ENSG00000215018	7	COL28A1	7395834	rs4720740	7	7614586	C	T	0.694831	0.0142842	0.00866382	0.0992065	0.629921	0.0659652	1.31E-21	0.0226762	0.0139573	0.1042305	0.3060758	20	0.65086925
ENSG00000272894	7	RP5-1159O4.1	7592093	rs73674582	7	7605391	T	C	0.254473	-0.0185873	0.00881886	0.035059	0.568736	0.0667863	1.66E-17	-0.0326818	0.0159739	0.04076204	0.425088	20	0.49936457
ENSG00000272745	7	RP5-1007H16.1	7659503	rs17168584	7	7580068	G	T	0.146123	-0.0033867	0.0100808	0.736901	0.793784	0.142244	2.40E-08	-0.0042666	0.0127227	0.7373601	0.9454432	11	0.94997803
ENSG00000106399	7	RPA3	7676149	rs6463710	7	7677809	T	C	0.898608	0.0417503	0.013843	0.00256147	-0.619513	0.0953207	8.07E-11	-0.0673921	0.0246337	0.00622343	0.5902347	20	0.30017552
ENSG00000244239	7	AC007009.1	8301863	rs9472	7	8302284	A	G	0.560636	-0.0022881	0.00805941	0.776485	0.617923	0.0709102	2.93E-18	-0.0037029	0.0130497	0.7766011	0.488762	11	0.95939787
ENSG00000146530	7	VWDE	12370511	rs847995	7	12439392	C	A	0.56163	0.00762548	0.00806139	0.344186	-0.737811	0.0687898	7.72E-27	-0.0103353	0.0109685	0.346055	0.06382053	20	0.83531407
ENSG00000224280	7	AC005014.5	16623407	rs10274133	7	16629037	A	C	0.32505	-0.0086786	0.00837929	0.300334	-0.554103	0.0779283	1.16E-12	0.0156624	0.0152818	0.3054089	0.5389288	13	0.81037998
ENSG00000272361	7	GS1-166A23.2	16633253	rs7807897	7	16626210	T	G	0.397614	0.00652674	0.00821888	0.427128	0.477053	0.0777217	8.36E-10	0.0136814	0.017372	0.430959	0.4379219	6	0.86418667
ENSG00000237773	7	AC003075.4	17319458	rs138250592	7	17301557	T	G	0.0149105	-0.0727337	0.0391145	0.062955	1.94259	0.30717	2.55E-10	-0.0374416	0.0209876	0.07442559	0.06412852	3	0.60886527
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-1.26844	0.120983	1.02E-25	0.0258785	0.015073	0.08600161	0.01569481	11	0.63911656
ENSG00000105877	7	DNAH11	21582833	rs2285944	7	21582964	T	A	0.49006	0.00452854	0.00813162	0.577592	-0.527407	0.0743852	1.34E-12	-0.0085864	0.0154656	0.5787613	0.8680866	20	0.89834695
ENSG00000196683	7	TOMM7	22852251	rs2240726	7	22853135	T	C	0.331014	-0.0024555	0.00824393	0.765813	-0.480356	0.0414266	4.35E-31	0.00511181	0.0171678	0.7658893	0.9310206	20	0.9565588
ENSG00000230658	7	KLHL7-AS1	23140847	rs4409314	7	23127952	C	T	0.362823	-0.0059366	0.00830275	0.474598	1.061	0.072276	8.68E-49	-0.0055953	0.00783468	0.4751217	0.01822606	20	0.86418667
ENSG00000136243	7	NUPL2	23221446	rs1881201	7	23194013	T	C	0.630219	-0.0025923	0.00827741	0.754144	0.732536	0.0674197	1.69E-27	-0.0035388	0.0113044	0.7542426	0.3051464	20	0.9539366
ENSG00000136235	7	GPNMB	23275586	rs858273	7	23294900	T	C	0.380716	0.0046481	0.00830082	0.575509	-0.638549	0.0688718	1.83E-20	-0.0072792	0.0130232	0.5762038	0.2804651	20	0.89834695
ENSG00000188732	7	FAM221A	23719749	rs2191305	7	23723212	T	C	0.480119	0.0119243	0.0081011	0.141038	0.357845	0.0527083	1.13E-11	0.0333225	0.0231645	0.1502879	0.1389605	20	0.68107362
ENSG00000105928	7	DFNA5	24737972	rs2721811	7	24749429	G	A	0.421471	0.0296628	0.00805688	0.00023171	0.605493	0.0588485	7.90E-25	0.0489895	0.0141325	0.00052741	0.5985665	20	0.19443108
ENSG00000225792	7	AC004540.4	26411764	rs6461933	7	26416413	G	A	0.681909	0.00991528	0.00879513	0.259591	-0.647894	0.0791663	2.75E-16	-0.0153039	0.0137031	0.2640739	0.4841201	8	0.77972167
ENSG00000214870	7	AC004540.5	26438213	rs976347	7	26440708	G	T	0.393638	-0.003331	0.00807032	0.679789	-0.701042	0.0724578	3.84E-22	0.00475154	0.0115224	0.6800642	0.04128087	6	0.93372697
ENSG00000122548	7	KIAA0087	26572740	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.835716	0.0751587	1.01E-28	0.00387823	0.00965105	0.6877978	0.03462933	11	0.93724647
ENSG00000234336	7	JAZF1-AS1	28219941	rs10255700	7	28220228	T	C	0.0904573	-0.0231352	0.0152244	0.128609	-0.980775	0.0871878	2.34E-29	0.0235887	0.0156638	0.132084	0.2129619	15	0.67286028
ENSG00000228421	7	AC005013.5	28997283	rs1006521	7	28996220	A	G	0.617296	0.00506794	0.00809193	0.531122	0.679411	0.101647	2.32E-11	0.00745931	0.0119624	0.5329138	0.08384545	5	0.88585906
ENSG00000272568	7	CTB-113D17.1	29019583	rs76335499	7	29039241	T	C	0.084493	0.00456232	0.0170198	0.788653	0.973411	0.12079	7.71E-16	0.00468694	0.0174944	0.7887675	0.8354604	7	0.96301985
ENSG00000106066	7	CPVL	29034847	rs12700939	7	29192746	G	A	0.375746	0.00428493	0.0081953	0.601077	-0.380095	0.0683835	2.72E-08	-0.0112733	0.0216564	0.6026774	0.8236445	3	0.90455004
ENSG00000223813	7	AC007255.8	29553841	rs190386206	7	29731034	C	G	0.0159046	-0.0144125	0.0423384	0.733547	1.80644	0.294685	8.78E-10	-0.0079784	0.0234736	0.7339406	0.4111532	4	0.94997803
ENSG00000225264	7	ZNRF2P2	29638411	rs34251700	7	29685827	T	C	0.0795229	0.0307553	0.020805	0.139337	1.29648	0.191182	1.19E-11	0.0237222	0.0164241	0.1486416	0.90718	9	0.68107362
ENSG00000006625	7	GGCT	30536237	rs38414	7	30544360	A	G	0.702783	-0.0064057	0.0087275	0.462969	-0.314167	0.0482488	7.45E-11	0.0203894	0.0279557	0.4657892	0.02499711	15	0.86418667
ENSG00000196295	7	AC005154.6	30555925	rs38497	7	30626569	G	A	0.756461	0.00014898	0.00892383	0.986681	-1.23187	0.0727597	2.67E-64	-0.0001209	0.00724414	0.9866807	0.2458612	20	0.99595203
ENSG00000244480	7	AC005154.7	30562759	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-0.72171	0.085842	4.19E-17	-0.0004723	0.0123619	0.9695214	0.219781	20	0.99471489
ENSG00000226468	7	AC018641.7	32496575	rs10274556	7	32513947	G	A	0.16004	-0.019898	0.0118696	0.0936634	1.05997	0.10809	1.06E-22	-0.0187722	0.0113605	0.09845046	0.5705896	20	0.65086925
ENSG00000226421	7	SLC25A5P5	32511125	rs35863123	7	32880363	C	T	0.318091	-0.0126079	0.00919251	0.170205	0.618965	0.0995705	5.09E-10	-0.0203693	0.0152086	0.1804636	0.1189213	11	0.69774631
ENSG00000272905	7	RP11-265E18.1	32885006	rs2392136	7	32808018	A	C	0.177932	0.00037077	0.0118643	0.97507	0.661698	0.103859	1.88E-10	0.00056032	0.0179303	0.9750701	0.1311773	19	0.99550269
ENSG00000205763	7	RP9P	32956427	rs2893441	7	32961379	A	C	0.185885	-0.0050358	0.00977905	0.606585	-0.571606	0.07255	3.31E-15	0.00880983	0.0171445	0.6073523	0.7437511	20	0.90555682
ENSG00000164610	7	RP9	33134409	rs62467397	7	32951554	A	G	0.193837	-0.0081043	0.00987222	0.411693	0.772897	0.0857597	2.02E-19	-0.0104856	0.0128259	0.4136232	0.2995467	20	0.86418667
ENSG00000122507	7	BBS9	33168856	rs1362368	7	33197232	A	C	0.399602	-0.0055159	0.00806814	0.494187	-0.379702	0.0690171	3.76E-08	0.0145269	0.021412	0.4974889	0.1329524	3	0.86872655
ENSG00000164619	7	BMPER	33944523	rs4236339	7	33948171	G	T	0.647117	-0.0020567	0.00834483	0.805321	-0.307279	0.0435923	1.80E-12	0.00669336	0.0271738	0.8054368	0.9488071	6	0.96661161
ENSG00000271122	7	RP11-379H18.1	35734824	rs345404	7	35747285	T	C	0.455268	0.00157333	0.00806135	0.845261	-0.567992	0.0704653	7.59E-16	-0.00277	0.0141969	0.845305	0.7944232	7	0.98207023
ENSG00000227191	7	TRGC2	38279181	rs12155081	7	38311790	T	C	0.463221	0.0028907	0.00806746	0.720107	-0.864618	0.0662749	6.70E-39	-0.0033433	0.00933418	0.7202079	0.5321178	20	0.94509525
ENSG00000211688	7	TRGJP2	38295938	rs2270169	7	38323398	A	G	0.457256	0.00030713	0.00808912	0.969713	-0.702344	0.0737443	1.67E-21	-0.0004373	0.0115174	0.9697137	0.7098149	20	0.99471489
ENSG00000211689	7	TRGC1	38297480	rs2270169	7	38323398	A	G	0.457256	0.00030713	0.00808912	0.969713	-0.60246	0.0822337	2.37E-13	-0.0005098	0.013427	0.9697139	0.7965909	14	0.99471489
ENSG00000261019	7	RP11-111K18.2	42940871	rs627521	7	42976197	T	C	0.871769	-0.0080952	0.016216	0.617631	0.688305	0.115645	2.65E-09	-0.0117611	0.023642	0.6188611	0.5857514	6	0.91341753
ENSG00000136197	7	C7orf25	42948325	rs644106	7	42950905	T	C	0.872763	-0.0088276	0.0162307	0.58652	-0.526746	0.0724711	3.64E-13	0.0167588	0.0308993	0.5875647	0.5067247	16	0.90020885
ENSG00000106605	7	BLVRA	43798279	rs1181603	7	43796100	A	G	0.533797	0.00119728	0.00818644	0.883723	-0.311205	0.0529441	4.15E-09	-0.0038472	0.0263138	0.8837585	0.7820777	7	0.98658093
ENSG00000241057	7	AC004985.12	44001189	rs62458704	7	44024565	G	T	0.259443	0.0121321	0.00880076	0.16804	0.576591	0.0662827	3.35E-18	0.0210411	0.0154539	0.1733435	0.1548266	20	0.69660051
ENSG00000239556	7	AC004951.5	44024593	rs7385469	7	44052127	G	A	0.588469	-0.0050094	0.0082529	0.543856	0.420252	0.0745084	1.70E-08	-0.0119201	0.0197514	0.5461716	0.9318917	10	0.8868228
ENSG00000228903	7	RASA4CP	44066550	rs374750779	7	44067720	A	G	0.132207	0.0180096	0.0119732	0.132542	-0.517402	0.0715267	4.70E-13	-0.0348078	0.023636	0.1408431	0.1804106	13	0.67926006
ENSG00000235314	7	LINC00957	44078770	rs6957051	7	44095382	G	T	0.240557	0.00806253	0.00868691	0.353343	-0.562795	0.0597042	4.24E-21	-0.0143259	0.0155099	0.3556646	0.4965727	20	0.840274
ENSG00000122678	7	POLM	44111846	rs28382637	7	44120037	C	T	0.0854871	0.00875222	0.0129019	0.49754	0.58894	0.0868879	1.22E-11	0.014861	0.0220164	0.4996791	0.151552	11	0.86872655
ENSG00000106624	7	AEBP1	44143960	rs2537193	7	44140670	C	G	0.328032	0.00265496	0.00868492	0.759834	0.349685	0.0456508	1.86E-14	0.00759243	0.0248562	0.76002	0.0029989	11	0.9549947
ENSG00000058404	7	CAMK2B	44256749	rs3824065	7	44247258	T	C	0.408549	0.00203254	0.00805092	0.800686	0.207249	0.0312187	3.17E-11	0.00980724	0.0388747	0.800826	0.01317022	3	0.965513
ENSG00000158604	7	TMED4	44617493	rs217376	7	44610490	T	C	0.4334	-0.0002081	0.00860011	0.980698	-0.312862	0.0551901	1.44E-08	0.00066505	0.0274888	0.9806982	0.2321042	7	0.99550269
ENSG00000122515	7	ZMIZ2	44788180	rs1050327	7	44808017	A	G	0.463221	-0.0059536	0.00809819	0.462232	0.273467	0.0381322	7.42E-13	-0.0217708	0.0297682	0.4645691	0.338265	14	0.86418667
ENSG00000136270	7	TBRG4	45139699	rs3757573	7	45147564	A	G	0.267396	-0.0151757	0.0100777	0.132099	0.331855	0.0577388	9.06E-09	-0.0457299	0.0313928	0.1451989	0.1600687	3	0.68107362
ENSG00000214765	7	SEPT7P2	45763379	rs2974729	7	45808432	G	A	0.586481	-0.0159221	0.00815069	0.0507645	0.34597	0.0427434	5.77E-16	-0.0460216	0.0242354	0.05757165	0.01123023	7	0.56431793
ENSG00000272556	7	RP11-638I8.1	45854201	rs3735666	7	45761952	C	A	0.17992	0.0167727	0.0118955	0.15854	-0.664062	0.0701097	2.75E-21	-0.0252577	0.0181106	0.1631258	0.01475247	20	0.68549033
ENSG00000158683	7	PKD1L1	47814250	rs2708906	7	48023754	A	G	0.569583	-0.0016421	0.0085248	0.847255	-0.559925	0.0797197	2.16E-12	0.00293264	0.0152306	0.8473121	0.4127593	19	0.98207023
ENSG00000132436	7	FIGNL1	50511831	rs12154303	7	50515627	A	G	0.457256	0.0129931	0.00821633	0.113793	0.649312	0.0595631	1.14E-27	0.0200106	0.0127863	0.1175842	0.1281464	20	0.66335906
ENSG00000132432	7	SEC61G	54819943	rs2699209	7	54878745	A	G	0.083499	0.00487999	0.014668	0.739362	-0.640328	0.0957952	2.32E-11	-0.0076211	0.0229354	0.7396741	0.2978464	3	0.94997803
ENSG00000146648	7	EGFR	55086714	rs77126132	7	54966738	A	G	0.120278	-0.0319508	0.0128553	0.0129399	-0.469397	0.064061	2.35E-13	0.0680678	0.0289195	0.01858754	0.8025993	9	0.38947497
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.1977	0.0697701	4.74E-66	0.0109181	0.00775628	0.159236	0.5140716	20	0.68549033
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.765017	0.0716666	1.34E-26	0.0170932	0.0122077	0.1614537	0.5677259	20	0.68549033
ENSG00000129103	7	SUMF2	56131695	rs28558245	7	56175923	A	G	0.21173	0.00156752	0.00897108	0.861291	0.62172	0.0718747	5.15E-18	0.00252126	0.0144324	0.8613195	0.5180957	20	0.98554401
ENSG00000106153	7	CHCHD2	56169262	rs4948107	7	56173407	T	C	0.154076	-0.0024901	0.0105242	0.812963	0.573245	0.0686374	6.72E-17	-0.0043438	0.0183664	0.8130367	0.9925692	20	0.97118478
ENSG00000185290	7	NUPR1L	56182374	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.927656	0.0953716	2.32E-22	0.0140964	0.0100851	0.1621902	0.6347409	20	0.68549033
ENSG00000225451	7	RP11-340I6.5	63336719	rs28416938	7	63120059	T	C	0.0576541	0.0073796	0.0175128	0.673474	0.989812	0.170272	6.13E-09	0.00745556	0.0177395	0.6742806	0.6676913	10	0.93372697
ENSG00000173041	7	ZNF680	63980262	rs6460161	7	64017448	G	A	0.27336	0.00253544	0.00868298	0.770286	-0.391604	0.0426599	4.32E-20	-0.0064745	0.0221841	0.7703986	0.2808525	20	0.95757675
ENSG00000197008	7	ZNF138	64254766	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	0.650884	0.074263	1.87E-18	-0.0202938	0.0126305	0.1081152	0.8707801	20	0.65086925
ENSG00000182722	7	SEPHS1P1	64312775	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	-0.588959	0.076478	1.35E-14	0.0224275	0.0140276	0.1098629	0.8038761	20	0.65086925
ENSG00000213640	7	RP11-797H7.3	64323377	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	-1.01024	0.0736539	8.14E-43	0.013075	0.00805638	0.1046024	0.9266721	20	0.65086925
ENSG00000198039	7	ZNF273	64330550	rs62461515	7	63991712	A	G	0.0447316	-0.0048297	0.0238391	0.839451	0.490549	0.0845991	6.69E-09	-0.0098455	0.0486264	0.8395476	0.4901643	19	0.98095612
ENSG00000152926	7	ZNF117	64432154	rs7796144	7	64453615	C	T	0.965209	0.003977	0.0187258	0.831809	0.7806	0.122304	1.74E-10	0.0050948	0.0240023	0.8319016	0.9727116	4	0.9781418
ENSG00000213462	7	ERV3-1	64451187	rs13239892	7	64474629	T	C	0.398608	-0.0044526	0.00831028	0.592101	0.832786	0.0741268	2.76E-29	-0.0053466	0.00999023	0.5925213	0.6426946	20	0.90174025
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-0.980306	0.0667669	8.34E-49	-0.0053457	0.00831799	0.5204393	0.9498447	20	0.8817574
ENSG00000226002	7	RP11-460N20.5	64544481	rs1812771	7	64925829	C	T	0.624254	0.00660532	0.00845398	0.43461	-1.04749	0.0872233	3.18E-33	-0.0063059	0.00808777	0.4355803	0.9809934	20	0.86418667
ENSG00000164669	7	INTS4L1	64601603	rs6954158	7	64790669	A	G	0.385686	-0.0025199	0.00841892	0.764698	-0.82938	0.0723051	1.85E-30	0.00303832	0.0101543	0.7647764	0.9130675	20	0.9559067
ENSG00000179406	7	LINC00174	65841031	rs35279320	7	66273221	T	C	0.0506958	-0.008476	0.0150843	0.574179	0.384798	0.0659563	5.41E-09	-0.0220271	0.039382	0.5759443	0.07856566	6	0.89834695
ENSG00000237310	7	GS1-124K5.4	65958693	rs6960848	7	65948749	A	G	0.256461	-0.013947	0.00945481	0.140179	0.705933	0.077537	8.67E-20	-0.0197568	0.013568	0.1453557	0.2678086	12	0.68107362
ENSG00000229180	7	GS1-124K5.11	65991075	rs1796225	7	66038363	G	C	0.630219	0.00840842	0.00821198	0.305873	0.324567	0.0584025	2.74E-08	0.0259066	0.0257272	0.313948	0.8919298	8	0.81435501
ENSG00000226824	7	RP4-756H11.3	66119525	rs2659909	7	66160279	A	G	0.542744	-0.0145459	0.00826285	0.0783394	-1.09931	0.0695697	3.03E-56	0.0132318	0.0075629	0.08019192	0.9182529	17	0.62410046
ENSG00000273142	7	RP11-458F8.4	66367844	rs13241598	7	66300652	G	A	0.281312	-0.0061256	0.00836751	0.464129	-0.36555	0.0490579	9.24E-14	0.0167571	0.0230004	0.4662733	0.01450144	10	0.86418667
ENSG00000198874	7	TYW1	66460160	rs3980757	7	66590764	A	G	0.2167	-0.0168375	0.0109842	0.125304	0.892107	0.0846547	5.76E-26	-0.0188739	0.0124422	0.129287	0.6013671	11	0.6682275
ENSG00000067601	7	PMS2P4	66752528	rs115806591	7	66645506	A	G	0.242545	-0.0172817	0.0107437	0.107715	0.476913	0.0837231	1.22E-08	-0.0362366	0.0234085	0.1216206	0.4368935	15	0.66369299
ENSG00000106610	7	STAG3L4	66767608	rs17137359	7	66783821	T	C	0.39165	0.00270255	0.00891507	0.761781	-0.921849	0.068345	1.84E-41	-0.0029317	0.0096733	0.7618384	0.512862	20	0.9549947
ENSG00000196313	7	POM121	72349936	rs11760353	7	72408286	T	G	0.535785	0.00775158	0.00811318	0.339359	-0.381271	0.0406879	7.21E-21	-0.0203309	0.0213896	0.3418569	0.2000252	20	0.83501439
ENSG00000106133	7	NSUN5P2	72418120	rs6460040	7	72392946	C	T	0.677932	0.0106285	0.00890076	0.232433	-0.872143	0.0956951	7.96E-20	-0.0121866	0.0102928	0.2364162	0.5133724	20	0.75264543
ENSG00000106638	7	TBL2	72983262	rs190736168	7	73006683	T	C	0.0437376	0.0167943	0.0220039	0.44532	0.993193	0.123248	7.72E-16	0.0169094	0.0222539	0.4473493	0.294949	3	0.86418667
ENSG00000106077	7	ABHD11	73150424	rs6460052	7	73151644	G	A	0.489066	-0.0041507	0.00806097	0.606616	-0.46146	0.0626225	1.72E-13	0.00899465	0.017511	0.6074918	0.5009093	6	0.90555682
ENSG00000165171	7	WBSCR27	73248920	rs10225983	7	73258750	A	G	0.725646	0.00539923	0.00869587	0.534668	-1.09111	0.0828697	1.37E-39	-0.0049484	0.0079786	0.5351217	0.2244855	20	0.88585906
ENSG00000196275	7	GTF2IRD2	74210483	rs2529269	7	74285969	C	T	0.7167	-0.0257347	0.00924013	0.00535119	-0.811979	0.0662721	1.64E-34	0.0316938	0.0116701	0.0066112	0.6126093	20	0.30017552
ENSG00000123965	7	PMS2P5	74306894	rs1635749	7	74360737	C	T	0.809145	-0.0231069	0.0104641	0.0272301	-1.19779	0.0936201	1.77E-37	0.0192913	0.00886534	0.02955272	0.04547348	20	0.44441855
ENSG00000184616	7	AC004166.6	74320406	rs142391349	7	74355639	A	G	0.0228628	0.024697	0.0205482	0.2294	-1.2268	0.152801	9.85E-16	-0.0201312	0.0169361	0.2345733	0.9310659	6	0.751678
ENSG00000205583	7	STAG3L1	74988448	rs6944634	7	75061769	C	G	0.810139	0.00809241	0.0112113	0.470413	-0.799567	0.124005	1.13E-10	-0.010121	0.0141093	0.4731719	0.4487669	6	0.86418667
ENSG00000223705	7	NSUN5P1	75039605	rs6465926	7	75048750	G	A	0.582505	-0.0050094	0.00823221	0.54285	-0.267941	0.0455607	4.08E-09	0.0186958	0.030888	0.5449949	0.4964125	4	0.8868228
ENSG00000189077	7	TMEM120A	75616155	rs1574107	7	75685047	C	A	0.331014	-0.0242306	0.00820744	0.00315442	-0.310169	0.0552688	2.00E-08	0.0781206	0.0298993	0.00898059	0.06525998	14	0.32039338
ENSG00000127952	7	STYXL1	75625656	rs41301427	7	75614557	A	G	0.102386	0.0127895	0.0180336	0.478197	1.12546	0.14196	2.23E-15	0.0113638	0.0160873	0.4799498	0.1622668	13	0.86437113
ENSG00000188372	7	ZP3	76026835	rs17718122	7	76209459	G	A	0.300199	-0.0094069	0.00952288	0.32324	1.11522	0.108518	8.96E-25	-0.008435	0.00857837	0.3254642	0.7963732	20	0.82338319
ENSG00000243566	7	UPK3B	76139745	rs10952936	7	76139453	T	C	0.405567	0.00068748	0.00806658	0.932082	-0.998985	0.094876	6.33E-26	-0.0006882	0.00807504	0.9320843	0.6181539	20	0.99347767
ENSG00000205485	7	AC004980.7	76178677	rs75292946	7	76224198	G	A	0.301193	-0.0099522	0.00952701	0.296195	0.856922	0.0885921	3.94E-22	-0.0116139	0.0111824	0.2989966	0.6503994	20	0.80631721
ENSG00000146707	7	POMZP3	76239303	rs2006267	7	76255933	T	C	0.209742	0.011984	0.0109192	0.272414	-1.32242	0.0935661	2.36E-45	-0.0090622	0.00828184	0.2738576	0.2583325	20	0.78610772
ENSG00000241350	7	PMS2P11	76640868	rs10953112	7	76697531	C	T	0.215706	-0.0026448	0.00956432	0.782143	0.63998	0.116851	4.33E-08	-0.0041326	0.0149638	0.7824137	0.132347	7	0.96032822
ENSG00000233448	7	PMS2P9	76669261	rs13247472	7	76550299	A	G	0.609344	0.00677765	0.00861648	0.431521	0.557348	0.0870121	1.50E-10	0.0121605	0.0155759	0.4349632	0.1116396	13	0.86418667
ENSG00000186088	7	GSAP	76940068	rs4727381	7	77045957	G	A	0.651093	-0.0043396	0.00839518	0.605214	0.611515	0.0595094	9.05E-25	-0.0070965	0.0137459	0.60567	0.5949578	9	0.90555682
ENSG00000214293	7	RSBN1L-AS1	77286977	rs34370301	7	77321144	A	G	0.141153	0.00161827	0.0129735	0.900732	-0.982755	0.0897716	6.85E-28	-0.0016467	0.013202	0.9007385	0.4828643	20	0.98658093
ENSG00000234456	7	MAGI2-AS3	79082198	rs17424273	7	79099739	T	C	0.130219	-0.0131026	0.012361	0.289147	0.351632	0.0543248	9.62E-11	-0.0372623	0.0356215	0.2955327	0.157946	12	0.80043284
ENSG00000157214	7	STEAP2	89796904	rs110360	7	89856608	T	C	0.511928	-0.0059691	0.00816489	0.464737	0.319391	0.0340026	5.82E-21	-0.018689	0.0256412	0.4660842	0.03294683	20	0.86418667
ENSG00000223969	7	AC002456.2	90219933	rs112535312	7	90279592	A	G	0.0457256	0.0191667	0.0185345	0.301083	1.80276	0.211569	1.58E-17	0.0106319	0.0103566	0.3046197	0.08779305	11	0.81037998
ENSG00000157259	7	GATAD1	92076767	rs111405543	7	92104681	A	G	0.175944	-0.0055436	0.0105806	0.600319	-0.409715	0.065014	2.94E-10	0.0135304	0.0259134	0.6015738	0.2578607	5	0.90392918
ENSG00000177409	7	SAMD9L	92759368	rs12666302	7	92775741	G	A	0.0487078	-0.014557	0.0227108	0.521542	-0.835535	0.148847	1.98E-08	0.0174224	0.0273578	0.5242328	0.8048434	7	0.88339004
ENSG00000231170	7	AC002451.3	95225994	rs10085637	7	95225813	C	T	0.351889	0.0121198	0.00891857	0.174165	0.645028	0.0783441	1.82E-16	0.0187896	0.0140137	0.1799858	0.5859779	13	0.69774631
ENSG00000183444	7	OR7E38P	97595402	rs56115498	7	97611455	A	C	0.28827	-0.0049641	0.00886282	0.575407	0.399245	0.0592886	1.65E-11	-0.0124338	0.0222756	0.5767216	0.641325	8	0.89834695
ENSG00000180535	7	BHLHA15	97840739	rs7791463	7	97819047	A	G	0.50994	-0.0106964	0.0080553	0.184221	-0.678009	0.0737109	3.64E-20	0.0157762	0.012004	0.1887631	0.11077	20	0.70253861
ENSG00000272950	7	RP11-307C18.1	97952165	rs28662014	7	97904505	A	G	0.422465	0.019668	0.00805764	0.0146501	-0.815917	0.0863918	3.58E-21	-0.0241054	0.0102001	0.01811498	0.01349541	20	0.38945842
ENSG00000160917	7	CPSF4	99036545	rs10238965	7	99145845	T	C	0.16501	0.00839222	0.0096542	0.384693	0.45062	0.0662177	1.01E-11	0.0186237	0.0215983	0.3885361	0.4839397	20	0.84859336
ENSG00000146833	7	TRIM4	99474581	rs2527906	7	99521698	T	C	0.532803	-0.0001255	0.00821296	0.987807	0.375813	0.0474756	2.45E-15	-0.000334	0.0218539	0.9878071	0.02196859	10	0.99595203
ENSG00000106261	7	ZKSCAN1	99613204	rs117296927	7	99552806	A	G	0.0298211	-0.0202849	0.0386021	0.599243	-0.899402	0.164864	4.89E-08	0.0225538	0.0431184	0.6009283	0.5886197	4	0.90385749
ENSG00000166529	7	ZSCAN21	99647390	rs4729577	7	99701640	C	T	0.596421	0.0153332	0.00811825	0.0589278	-0.436152	0.0769008	1.41E-08	-0.0351556	0.0196183	0.07313618	0.1289136	6	0.607546
ENSG00000214309	7	MBLAC1	99724317	rs117461151	7	99735364	T	C	0.0695825	-0.0025931	0.0208384	0.900967	0.839409	0.116777	6.57E-13	-0.0030892	0.0248288	0.9009813	0.4895924	14	0.98658093
ENSG00000066923	7	STAG3	99775186	rs1727140	7	99815399	A	T	0.73161	-0.0279589	0.00907086	0.00205423	-0.481669	0.0592662	4.39E-16	0.0580459	0.020141	0.00395191	0.4746701	20	0.27595415
ENSG00000213413	7	PVRIG	99815864	rs7811662	7	99792608	G	A	0.26839	0.0281586	0.00906676	0.00189837	0.540725	0.0726959	1.02E-13	0.0520756	0.0181707	0.00415809	0.7432095	20	0.27687143
ENSG00000242294	7	STAG3L5P	99933702	rs113387325	7	99913146	T	G	0.173956	-0.0150587	0.00987171	0.127148	0.87537	0.0550999	7.80E-57	-0.0172027	0.0113291	0.1288994	0.7865335	20	0.6682275
ENSG00000121716	7	PILRB	99933737	rs10085549	7	99983135	T	C	0.177932	-0.0150274	0.00985786	0.127406	0.938794	0.0588008	2.22E-57	-0.0160071	0.0105483	0.1291389	0.8691384	20	0.6682275
ENSG00000085514	7	PILRA	99965153	rs61735533	7	99955866	A	G	0.175944	-0.0149825	0.00985853	0.128573	1.22905	0.074693	7.76E-61	-0.0121903	0.0080554	0.1302012	0.7890277	20	0.66823977
ENSG00000078487	7	ZCWPW1	99998449	rs6978739	7	100098680	G	C	0.196819	-0.019108	0.0096508	0.0477101	0.58919	0.0632244	1.17E-20	-0.032431	0.0167454	0.05278076	0.8111557	14	0.55150699
ENSG00000205307	7	SAP25	100169855	rs67535650	7	100116424	A	T	0.0735586	0.020617	0.0162012	0.203174	0.439996	0.0628236	2.49E-12	0.0468572	0.0374241	0.2105481	0.3930871	10	0.73368668
ENSG00000146828	7	SLC12A9	100424442	rs3843541	7	100499142	C	T	0.514911	0.0144941	0.00804683	0.0716671	0.256649	0.0397118	1.03E-10	0.0564744	0.0325484	0.08272482	0.3438126	13	0.63113478
ENSG00000106404	7	CLDN15	100875373	rs59937851	7	100890252	T	A	0.0596421	-0.0077595	0.017081	0.649631	0.58042	0.090621	1.50E-10	-0.0133687	0.0295026	0.6504508	0.1103573	10	0.92645958
ENSG00000160999	7	SH2B2	101928405	rs803074	7	101928495	G	C	0.365805	0.00347285	0.0081683	0.670718	0.620305	0.0629666	6.76E-23	0.00559862	0.0131805	0.6710069	0.1086867	11	0.93280877
ENSG00000128563	7	PRKRIP1	102004319	rs811680	7	102004730	T	C	0.232604	0.0211646	0.00917437	0.0210586	0.299814	0.0460216	7.29E-11	0.0705924	0.0324622	0.02965954	0.02178386	11	0.44441855
ENSG00000161036	7	LRWD1	102105376	rs4473948	7	102112397	T	A	0.734592	-0.0061221	0.00840063	0.466145	-0.229245	0.0403889	1.38E-08	0.0267055	0.0369456	0.4697825	0.08681521	8	0.86418667
ENSG00000267368	7	UPK3BL	102277472	rs62483497	7	102332238	G	A	0.687873	-0.0009192	0.00836823	0.912534	-0.639033	0.0998142	1.53E-10	0.00143841	0.0130971	0.9125466	0.3594937	7	0.98821764
ENSG00000228049	7	POLR2J2	102277474	rs4403333	7	102347590	G	A	0.898608	0.00186862	0.0142083	0.895367	-1.39682	0.13944	1.28E-23	-0.0013378	0.0101728	0.895376	0.8160853	16	0.98658093
ENSG00000233297	7	RASA4DP	102322283	rs57480509	7	102090369	A	G	0.0357853	0.0298644	0.0136986	0.0292496	1.31293	0.237607	3.28E-08	0.0227464	0.0112163	0.04256329	0.06389071	9	0.50939963
ENSG00000170632	7	ARMC10	102715328	rs55817310	7	102672831	C	T	0.12326	0.00160803	0.0144347	0.911299	-0.48565	0.0780824	4.98E-10	-0.0033111	0.0297272	0.9113131	0.00212837	6	0.98821764
ENSG00000128536	7	CDHR3	105517242	rs4727635	7	105544732	T	C	0.280318	0.0142801	0.00880295	0.104761	0.51168	0.0821715	4.76E-10	0.0279083	0.0177782	0.1164614	0.03895808	11	0.66288056
ENSG00000241764	7	AC002467.7	107383262	rs2188561	7	107336058	A	C	0.235586	-0.0078479	0.00907631	0.387227	0.671037	0.106816	3.34E-10	-0.0116952	0.0136533	0.3916759	0.6912743	5	0.84859336
ENSG00000091140	7	DLD	107531415	rs4518	7	107560191	T	C	0.593439	-0.0027852	0.00823039	0.73506	0.331608	0.0429119	1.10E-14	-0.008399	0.0248434	0.7353054	0.9007517	20	0.94997803
ENSG00000177683	7	THAP5	108194987	rs40941	7	108202925	T	C	0.318091	-0.0162377	0.00873597	0.0630667	0.54718	0.057166	1.05E-21	-0.0296752	0.0162637	0.06805635	0.2633561	20	0.59485717
ENSG00000181016	7	LSMEM1	112120908	rs3183621	7	112116241	G	A	0.251491	-0.0066168	0.00895941	0.460195	0.464275	0.0623817	9.88E-14	-0.0142518	0.0193924	0.4623908	0.5818927	4	0.86418667
ENSG00000196937	7	FAM3C	120988905	rs2707478	7	121008001	G	C	0.189861	-0.0113696	0.0102536	0.267498	-0.246366	0.0395516	4.69E-10	0.0461492	0.0422737	0.2749747	0.1213511	8	0.78643683
ENSG00000230316	7	FEZF1-AS1	121943712	rs17144133	7	121802068	C	T	0.427435	0.0145223	0.00821028	0.076929	-0.693302	0.0804309	6.70E-18	-0.0209466	0.012089	0.08315052	0.4554663	11	0.63149811
ENSG00000234224	7	TMEM229A	123670973	rs10487808	7	123711663	C	T	0.177932	0.00228664	0.0122413	0.85182	0.414098	0.0619663	2.35E-11	0.00552198	0.0295729	0.8518769	0.03478768	10	0.98502986
ENSG00000242593	7	RP5-921G16.1	123672259	rs10235939	7	124032560	A	C	0.241551	-0.0084861	0.00937036	0.365129	-1.02636	0.0857996	5.60E-33	0.00826819	0.00915583	0.3664982	0.104616	20	0.840274
ENSG00000165055	7	METTL2B	128116783	rs7785264	7	128141638	A	G	0.491054	0.0013869	0.00809345	0.86394	-0.656147	0.091843	9.05E-13	-0.0021137	0.0123384	0.8639788	0.2380322	14	0.98554401
ENSG00000273270	7	RP11-212P7.2	128164070	rs1450874	7	128336850	A	G	0.291252	-0.0105588	0.00900235	0.24084	-0.478857	0.063256	3.73E-14	0.02205	0.019024	0.24643	0.5312539	12	0.76123939
ENSG00000230715	7	RP11-274B21.4	128292895	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.395064	0.049162	9.28E-16	-0.0135254	0.0205868	0.5111837	0.4810967	7	0.8770919

ENSG00000229413	7	AC018638.1	128293740	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.337419	0.0595864	1.49E-08	-0.0163021	0.0241951	0.5004538	0.1060303	3	0.86872655
ENSG00000243679	7	RP11-274B21.3	128294023	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.408805	0.0481823	2.17E-17	-0.0130708	0.019888	0.5110383	0.07365364	17	0.8770919
ENSG00000271553	7	RP11-274B21.10	128307097	rs7786772	7	128189738	T	C	0.120278	0.00648908	0.0109421	0.553155	0.639119	0.0970648	4.57E-11	0.0101532	0.0171899	0.5547569	0.4091346	14	0.89001673
ENSG00000271344	7	RP11-274B21.9	128330505	rs56249749	7	128188195	T	C	0.33996	0.0196567	0.00855549	0.0215874	0.37571	0.0503925	8.94E-14	0.0523188	0.0238282	0.028116	0.1059715	9	0.43604346
ENSG00000135248	7	FAM71F1	128349115	rs339066	7	128371206	A	G	0.587475	-0.0044478	0.00831119	0.592538	-0.521678	0.0768403	1.13E-11	0.00852601	0.0159811	0.5936829	0.6958778	16	0.90254426
ENSG00000272899	7	RP11-309L24.9	128510821	rs3736611	7	128509243	G	C	0.166998	-0.0022045	0.00975359	0.821187	0.434365	0.0594546	2.76E-13	-0.0050752	0.0224656	0.8212712	0.07863149	20	0.97259053
ENSG00000106477	7	CEP41	130033612	rs1465370	7	130013638	T	G	0.360835	-0.0032543	0.00858488	0.704635	0.268258	0.0484939	3.17E-08	-0.0121312	0.0320774	0.7052938	0.01520714	10	0.94255443
ENSG00000106484	7	MEST	130126012	rs3800564	7	130125948	T	C	0.807157	0.00687413	0.00955405	0.471834	0.462825	0.0707034	5.91E-11	0.0148525	0.0207672	0.4744905	0.6000169	13	0.86418667
ENSG00000226380	7	MIR29B1	130561495	rs731729	7	130566795	C	T	0.0974155	-0.0155726	0.0141718	0.271835	-0.507673	0.0774819	5.67E-11	0.0306745	0.0283051	0.2784935	0.7681378	9	0.78921594
ENSG00000231721	7	MKLN1-AS1	130626519	rs2293750	7	130629772	T	A	0.544732	-0.0058842	0.00842678	0.485008	0.309771	0.04955	4.06E-10	-0.0189952	0.0273724	0.4877104	0.6684121	3	0.86806745
ENSG00000131558	7	EXOC4	132937829	rs113546677	7	133563537	T	C	0.128231	0.00600398	0.0116473	0.606217	-0.496211	0.0764433	8.51E-11	-0.0120997	0.0235464	0.6073465	0.9751186	4	0.90555682
ENSG00000146856	7	AGBL3	134671259	rs10954478	7	134699994	C	G	0.707753	-0.0027639	0.00855871	0.746744	0.541912	0.0936722	7.24E-09	-0.0051003	0.0158181	0.7471253	0.4830747	4	0.95189833
ENSG00000272941	7	RP11-134L10.1	134853155	rs6415376	7	134714300	T	G	0.512922	-0.0041238	0.00804366	0.608176	-0.515675	0.0721361	8.76E-13	0.00799696	0.0156384	0.6090938	0.9084005	8	0.90650194
ENSG00000243317	7	C7orf73	135347244	rs11772708	7	135264737	G	A	0.158052	-0.0090247	0.0105725	0.393325	-0.44066	0.0588297	6.86E-14	0.02048	0.0241477	0.3963751	0.3804172	20	0.85165727
ENSG00000006459	7	JHDM1D	139784546	rs62491441	7	139875255	G	C	0.0775348	0.00089789	0.0144682	0.950515	0.889116	0.100058	6.33E-19	0.00100987	0.016273	0.9505166	0.9622298	8	0.99347767
ENSG00000133597	7	ADCK2	140372953	rs138517012	7	140746958	A	G	0.0864811	0.0343585	0.0125591	0.00622401	-0.382616	0.0643392	2.73E-09	-0.0897989	0.036131	0.01294175	0.06777116	10	0.3603961
ENSG00000228775	7	WEE2-AS1	141404138	rs2270009	7	141464765	T	C	0.463221	-0.001467	0.00806903	0.855737	0.798946	0.0715368	5.83E-29	-0.0018361	0.0101009	0.8557556	0.9777965	20	0.98502986
ENSG00000127364	7	TAS2R4	141478242	rs1859646	7	141495604	A	G	0.473161	-0.0014263	0.00804203	0.859226	0.904193	0.0669352	1.39E-41	-0.0015775	0.00889492	0.8592381	0.9793335	20	0.98554401
ENSG00000165076	7	PRSS37	141536086	rs12703406	7	141462738	A	G	0.468191	-0.0024306	0.00804311	0.762502	-0.555311	0.0917593	1.43E-09	0.00437701	0.014502	0.7627889	0.9945112	10	0.9549947
ENSG00000257335	7	MGAM	141607613	rs12703406	7	141462738	A	G	0.468191	-0.0024306	0.00804311	0.762502	-0.439502	0.0672228	6.24E-11	0.00553035	0.01832	0.7627479	0.8123527	8	0.9549947
ENSG00000155660	7	PDIA4	148700154	rs34909003	7	148726438	T	A	0.238569	-0.0040818	0.0113384	0.71885	0.298115	0.0536729	2.79E-08	-0.013692	0.0381135	0.7194125	0.3698654	10	0.94509525
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.665203	0.0547071	5.12E-34	-0.0176355	0.0131971	0.1814452	0.6196705	20	0.69774631
ENSG00000204947	7	ZNF425	148799876	rs2693316	7	148906075	T	C	0.858847	-0.0035838	0.0128552	0.78041	-0.632287	0.103525	1.01E-09	0.00566804	0.0203524	0.7806328	0.7217278	8	0.9600297
ENSG00000244560	7	RP4-800G7.2	148982372	rs6977581	7	148990933	A	G	0.105368	-0.0023568	0.01296	0.855699	-0.718618	0.0907986	2.48E-15	0.00327963	0.0180394	0.8557367	0.999989	8	0.98502986
ENSG00000181444	7	ZNF467	149461271	rs855676	7	149472312	T	C	0.156064	-0.0028615	0.0122865	0.815843	-0.732471	0.0854006	9.75E-18	0.00390657	0.0167802	0.8159105	0.2403469	20	0.97213764
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.587318	0.0623635	4.61E-21	0.0093362	0.0170624	0.5842542	0.1895755	15	0.89957103
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs6980260	7	149575065	G	A	0.601392	-0.0032553	0.0080715	0.686722	0.519004	0.0635718	3.24E-16	-0.0062722	0.0155709	0.687084	0.2375551	15	0.93671075
ENSG00000171130	7	ATP6V0E2	149570057	rs6976451	7	149582747	C	T	0.599404	-0.003239	0.00806651	0.688023	0.400674	0.0324596	5.26E-35	-0.0080839	0.020143	0.6881804	0.287889	20	0.93742683
ENSG00000127399	7	LRRC61	150019728	rs1962004	7	150020381	A	G	0.253479	-0.0084057	0.00915145	0.358353	0.932092	0.0793826	7.78E-32	-0.0090181	0.00984818	0.3598193	0.5353107	20	0.840274
ENSG00000188707	7	ZBED6CL	150026938	rs11769348	7	150026753	C	T	0.244533	-0.0087216	0.00915509	0.340766	-0.783504	0.0927384	2.95E-17	0.0111316	0.0117589	0.3438149	0.4575669	14	0.83501439
ENSG00000106565	7	TMEM176B	150488373	rs717658	7	150503637	T	A	0.456262	0.00601698	0.00808935	0.456988	0.233862	0.0420047	2.58E-08	0.0257288	0.0348976	0.4609615	0.7511692	3	0.86418667
ENSG00000002933	7	TMEM176A	150497491	rs2080054	7	150515674	C	T	0.153082	0.00162648	0.0105933	0.877973	0.364429	0.0536117	1.06E-11	0.00446309	0.0290756	0.8780045	0.1799312	9	0.98658093
ENSG00000197150	7	ABCB8	150725510	rs71539868	7	150724096	C	G	0.11829	-0.0115857	0.0129822	0.372162	-0.324344	0.0526524	7.27E-10	0.0357204	0.0404439	0.3771232	0.8601117	8	0.84606348
ENSG00000164896	7	FASTK	150773711	rs34104727	7	150777454	A	G	0.175944	-0.0023847	0.0114325	0.834769	0.337729	0.0592307	1.18E-08	-0.007061	0.0338737	0.8348775	0.9254378	4	0.97855166
ENSG00000261455	7	LINC01003	152160871	rs3087586	7	152162209	C	A	0.353877	-0.0087098	0.00825885	0.291605	-0.638955	0.0690605	2.20E-20	0.0136314	0.0130093	0.2947207	0.4351249	16	0.80043284
ENSG00000196584	7	XRCC2	152341864	rs35297184	7	152379822	A	C	0.196819	0.0212941	0.00958427	0.0262984	0.621131	0.097911	2.24E-10	0.0342828	0.0163493	0.03600297	0.6739695	3	0.47321798
ENSG00000214106	7	PAXIP1-AS2	154720208	rs11771393	7	154779099	T	C	0.324056	-0.0075366	0.00853001	0.376948	0.431418	0.0611499	1.72E-12	-0.0174693	0.0199265	0.3806574	0.1759302	20	0.84640362
ENSG00000273344	7	PAXIP1-AS1	154795158	rs431085	7	154796579	C	T	0.600398	-0.0139412	0.00837226	0.0958804	-0.49004	0.0667999	2.20E-13	0.0284491	0.0175195	0.1044062	0.7620424	7	0.65086925
ENSG00000218672	7	AC008060.7	155174771	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.497608	0.0852658	5.35E-09	-0.0047069	0.0164764	0.7751264	0.7434003	5	0.95939787
ENSG00000182648	7	LINC01006	156264890	rs7803221	7	156464511	A	G	0.335984	-0.0098117	0.00831158	0.237805	-0.824426	0.074628	2.26E-28	0.0119013	0.0101391	0.2404721	0.7981074	20	0.75759563
ENSG00000146909	7	NOM1	156742417	rs7786299	7	156781685	A	G	0.61829	0.0127646	0.0080854	0.114399	0.442828	0.0690222	1.40E-10	0.0288252	0.0188032	0.1252777	0.411484	11	0.66377689
ENSG00000155093	7	PTPRN2	157331750	rs11766174	7	158319010	A	G	0.0894632	-0.0116057	0.0128781	0.367483	-0.391339	0.052511	9.16E-14	0.0296564	0.0331475	0.3709587	0.1767224	17	0.84066019
ENSG00000126870	7	WDR60	158649269	rs2657381	7	158651087	A	G	0.234592	0.0108228	0.00934299	0.246704	-0.550367	0.0693495	2.09E-15	-0.0196647	0.0171558	0.2516955	0.4347499	10	0.76610014
ENSG00000106018	7	VIPR2	158820866	rs7788915	7	158946858	T	C	0.340954	-0.0079015	0.00882216	0.370446	0.577918	0.0819083	1.72E-12	-0.0136723	0.0153879	0.3742676	0.7035387	15	0.84345932
ENSG00000182366	8	FAM87A	325931	rs7002743	8	329471	A	G	0.161034	0.00653635	0.0106669	0.540029	-0.408696	0.0674518	1.37E-09	-0.0159932	0.026233	0.5420873	0.2646643	20	0.88612583
ENSG00000104714	8	ERICH1	564746	rs6559031	8	583130	A	T	0.247515	0.00324675	0.00960803	0.735423	0.49854	0.0904563	3.56E-08	0.00651252	0.0193085	0.7359005	0.674274	6	0.94997803
ENSG00000253982	8	CTD-2336O2.1	1710156	rs6558535	8	1710632	C	T	0.688867	0.0139258	0.00951819	0.143448	0.364916	0.0477452	2.12E-14	0.0381617	0.0265568	0.1507235	0.2721496	20	0.68107362
ENSG00000253764	8	RP11-439C15.4	1920736	rs4633105	8	1921428	A	G	0.696819	0.00988676	0.00900024	0.271986	0.372522	0.0636142	4.74E-09	0.0265401	0.0245817	0.2802902	0.8935375	7	0.79003956
ENSG00000147316	8	MCPH1	6264113	rs74607633	8	6315292	T	A	0.163022	-0.0024579	0.0140999	0.861615	0.632339	0.111221	1.30E-08	-0.003887	0.0223085	0.8616791	0.3347792	8	0.98554401
ENSG00000271743	8	CTD-2541M15.3	6473125	rs3020259	8	6472795	A	C	0.358847	0.0161875	0.00844539	0.0552726	-0.587108	0.0878311	2.32E-11	-0.0275716	0.0149644	0.06540534	0.7363382	19	0.59110941
ENSG00000249898	8	CTD-2541M15.1	6475996	rs10092065	8	6527610	G	C	0.156064	-0.0012368	0.0117011	0.915824	0.83854	0.124998	1.97E-11	-0.0014749	0.0139559	0.9158346	0.9396415	8	0.98848475
ENSG00000233295	8	FAM90A20P	7152536	rs181776644	8	7163005	A	T	0.0735586	0.0229737	0.0159143	0.148856	-0.748071	0.133073	1.89E-08	-0.0307106	0.021964	0.1620466	0.9145518	4	0.68549033
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-0.948245	0.0790112	3.49E-33	-0.0196153	0.008838	0.02645778	0.9721687	20	0.43469668
ENSG00000173295	8	FAM86B3P	8086117	rs1878561	8	8092405	C	A	0.480119	0.0135828	0.0082802	0.100923	-0.862781	0.0699166	5.51E-35	-0.015743	0.00968153	0.1039303	0.209095	20	0.65086925
ENSG00000233609	8	RP11-62H7.2	8818710	rs7014430	8	8827737	G	T	0.530815	0.0222882	0.00835432	0.00763343	0.815046	0.0866568	5.18E-21	0.0273459	0.0106545	0.01026979	0.2203411	20	0.34973303
ENSG00000261451	8	RP11-981G7.1	10291182	rs6994738	8	10292817	G	A	0.361829	-0.0013392	0.00821241	0.87046	-0.448307	0.0541285	1.21E-16	0.00298731	0.0183223	0.8704851	0.04200258	20	0.9857428
ENSG00000253678	8	RP11-981G7.3	10335001	rs6601468	8	10336140	G	A	0.677932	0.0101776	0.00853338	0.232993	-0.775698	0.0815111	1.79E-21	-0.0131206	0.011087	0.2366415	0.289176	20	0.75264543
ENSG00000272505	8	RP11-981G7.6	10344317	rs3750314	8	10285810	C	T	0.0337972	0.0444768	0.0218777	0.0420552	-0.698204	0.109471	1.79E-10	-0.0637017	0.0328876	0.05275082	0.1867749	9	0.55150699
ENSG00000184647	8	PRSS55	10383056	rs112322985	8	10363665	T	G	0.0934394	-0.0155616	0.0135832	0.251941	1.10275	0.138392	1.61E-15	-0.0141116	0.0124442	0.2567988	0.03014151	20	0.77142607
ENSG00000255310	8	AF131215.2	10965298	rs10113808	8	10926892	A	C	0.501988	-0.0168633	0.00818513	0.0393759	-0.361092	0.0590598	9.72E-10	0.0467008	0.0239201	0.05089415	0.3717597	20	0.54968599
ENSG00000177710	8	SLC35G5	11188397	rs11787413	8	11240571	T	C	0.33002	-0.0134945	0.00868754	0.120346	0.590494	0.106731	3.16E-08	-0.0228529	0.0152812	0.1347858	0.2327454	10	0.67863926
ENSG00000255020	8	AF131216.5	11203257	rs7816606	8	11205602	C	T	0.511928	0.015856	0.00824107	0.0543513	0.647967	0.0648429	1.64E-23	0.0244704	0.0129519	0.05884885	0.3872064	20	0.56431793
ENSG00000154328	8	NEIL2	11627148	rs2645455	8	11619635	A	T	0.648111	0.00559888	0.00871135	0.520412	0.357048	0.0632229	1.63E-08	0.015681	0.0245558	0.5230904	0.3420917	9	0.88265614
ENSG00000255046	8	RP11-297N6.4	11655437	rs60471430	8	11655911	G	A	0.201789	0.0179055	0.0106127	0.0915693	0.726419	0.13035	2.51E-08	0.024649	0.0152645	0.1063551	0.01889293	4	0.65086925
ENSG00000206014	8	OR7E161P	11786101	rs34937417	8	11787010	G	A	0.491054	0.0114796	0.00850725	0.177211	-0.638889	0.0847748	4.83E-14	-0.0179681	0.0135275	0.1840901	0.285747	20	0.6981016
ENSG00000254507	8	RP11-481A20.10	11860909	rs4841669	8	11878179	T	C	0.478131	0.0203866	0.00840717	0.0153123	0.72438	0.0738067	9.75E-23	0.0281435	0.011955	0.01856675	0.04717659	20	0.38947497
ENSG00000249889	8	ALG1L11P	12036206	rs12542040	8	11851998	C	T	0.528827	0.0181282	0.00835751	0.0300753	0.573274	0.0973959	3.96E-09	0.0316222	0.015537	0.0418218	0.2769772	20	0.50700473
ENSG00000255495	8	FAM85A	12051976	rs3988873	8	11986310	A	T	0.224652	-0.0126636	0.0132716	0.339989	0.732847	0.118633	6.52E-10	-0.01728	0.0183244	0.3456785	0.7206646	3	0.83531407
ENSG00000227888	8	FAM66A	12219527	rs9693773	8	12185802	T	C	0.45328	-0.0061023	0.0103773	0.556502	-0.830765	0.0901398	3.07E-20	0.00734541	0.0125167	0.5573039	0.2308898	20	0.89045423
ENSG00000254423	8	RP11-351I21.7	12231875	rs189148572	8	12193572	G	A	0.293241	0.00520488	0.0114129	0.648352	-0.491444	0.0779039	2.82E-10	-0.010591	0.0232838	0.6492062	0.05752837	20	0.92585192
ENSG00000255556	8	RP11-351I21.6	12236188	rs9693773	8	12185802	T	C	0.45328	-0.0061023	0.0103773	0.556502	-0.756466	0.0880919	8.91E-18	0.00806687	0.0137503	0.5574253	0.2297244	20	0.89045423
ENSG00000270074	8	RP11-351I21.11	12270336	rs7823712	8	12537031	C	G	0.366799	-0.0056676	0.00856759	0.508279	-0.556269	0.0953104	5.33E-09	0.0101887	0.0155005	0.5109802	0.6761554	20	0.8770919
ENSG00000251402	8	FAM90A25P	12272589	rs9774383	8	11868062	C	A	0.523857	0.01794	0.00847023	0.0341751	0.525343	0.093826	2.15E-08	0.0341491	0.0172382	0.04759016	0.3026526	19	0.53621652
ENSG00000270154	8	RP11-419I17.1	12333971	rs7823808	8	11836622	T	C	0.523857	0.0153079	0.00834229	0.0665105	0.523898	0.092922	1.72E-08	0.0292192	0.0167456	0.08100461	0.2004918	20	0.6269489
ENSG00000198791	8	CNOT7	17086737	rs6995500	8	17100282	T	C	0.0685885	0.0225526	0.0158725	0.155357	0.631951	0.0912137	4.26E-12	0.0356873	0.0256394	0.1639554	0.6251714	10	0.68549033
ENSG00000129422	8	MTUS1	17501304	rs7459632	8	17536088	C	T	0.722664	-0.0012932	0.00863308	0.880929	0.318953	0.0526783	1.41E-09	-0.0040544	0.0270752	0.8809654	0.9786169	20	0.98658093
ENSG00000104760	8	FGL1	17721889	rs7827713	8	17737491	C	G	0.769384	-0.008619	0.0102105	0.398595	-0.471179	0.0843921	2.36E-08	0.0182925	0.0219164	0.4039157	0.2878623	6	0.8548408
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.91149	0.0623701	2.28E-48	0.00559192	0.00925378	0.5456539	0.1555905	20	0.8868228
ENSG00000147408	8	CSGALNACT1	19261672	rs10888163	8	19315034	T	G	0.431412	-0.0052088	0.00810189	0.520283	0.714394	0.0547209	5.93E-39	-0.0072912	0.0113547	0.5207881	0.6641414	20	0.88179758
ENSG00000158815	8	FGF17	21899909	rs7818373	8	21897180	G	A	0.50497	0.00381966	0.00819254	0.641046	0.190648	0.0318855	2.24E-09	0.0200351	0.0431025	0.6420565	0.2629475	5	0.92308109
ENSG00000158856	8	DMTN	21906506	rs11782192	8	21906403	C	A	0.689861	0.00503825	0.0085906	0.55755	-0.197707	0.0350264	1.66E-08	-0.0254834	0.0436851	0.559662	0.4529565	5	0.89212504
ENSG00000120910	8	PPP3CC	22298332	rs2461490	8	22370115	C	G	0.454274	0.00580209	0.00811605	0.474676	-0.38748	0.0610735	2.23E-10	-0.0149739	0.0210783	0.477459	0.07976483	7	0.86418667
ENSG00000120913	8	PDLIM2	22435792	rs56036787	8	22445038	T	C	0.107356	-0.0104749	0.0141852	0.460246	-0.625253	0.0652899	1.00E-21	0.0167531	0.0227545	0.4615767	0.05358894	20	0.86418667
ENSG00000147439	8	BIN3	22477931	rs11136093	8	22479988	G	C	0.333002	0.0010595	0.00914536	0.90777	0.397616	0.0702521	1.52E-08	0.00266463	0.0230053	0.9077898	0.3735063	9	0.98710612
ENSG00000261026	8	CTD-3247F14.2	22536526	rs4872006	8	22536502	C	T	0.61829	-0.0005278	0.00854726	0.950765	-0.356724	0.0628665	1.39E-08	0.00147946	0.0239618	0.9507679	0.2338099	13	0.99347767
ENSG00000134020	8	PEBP4	22570769	rs10216634	8	22776796	C	T	0.190855	-0.0268378	0.0101083	0.00793012	-0.689605	0.0830885	1.04E-16	0.0389176	0.0153898	0.01144574	0.1601518	18	0.3603961
ENSG00000248738	8	RP11-87E22.2	22735485	rs2466176	8	22738040	T	C	0.353877	0.00931955	0.00886045	0.292884	-0.510516	0.0444656	1.64E-30	-0.0182552	0.0174286	0.2949021	0.4491569	20	0.80043284
ENSG00000173535	8	TNFRSF10C	22941868	rs72607399	8	22941949	G	C	0.156064	-0.0196522	0.00971491	0.0430844	0.669178	0.078141	1.09E-17	-0.0293677	0.0149172	0.0489863	0.1790356	20	0.5383209
ENSG00000228451	8	SDAD1P1	26236775	rs11774142	8	26274581	C	T	0.101392	0.00153021	0.0109625	0.888987	1.15118	0.13368	7.22E-18	0.00132925	0.00952409	0.8890017	0.7445488	7	0.98658093
ENSG00000015592	8	STMN4	27092840	rs17366947	8	27103024	G	A	0.37674	-0.0143389	0.00837076	0.0867181	-0.325423	0.0441729	1.74E-13	0.0440623	0.0264089	0.09522336	0.1485264	8	0.65086925
ENSG00000104228	8	TRIM35	27142404	rs17446091	8	27167942	C	T	0.204771	-0.001562	0.0114716	0.891692	-0.447213	0.069512	1.25E-10	0.00349277	0.0256571	0.8917163	0.1076572	6	0.98658093
ENSG00000147419	8	CCDC25	27590835	rs10097446	8	27625974	C	A	0.530815	0.0213454	0.00805767	0.00807124	-0.322439	0.0458523	2.03E-12	-0.0661998	0.0267041	0.01317469	0.4932007	11	0.3603961
ENSG00000134014	8	ELP3	27947190	rs13250007	8	27995722	G	T	0.338966	0.00552181	0.00848627	0.515256	0.45886	0.0423504	2.35E-27	0.0120338	0.0185276	0.5160116	0.8445359	19	0.87975713
ENSG00000214050	8	FBXO16	28205804	rs62001909	8	28286124	G	C	0.0208748	-0.0315169	0.0293182	0.282378	0.823157	0.137293	2.03E-09	-0.0382878	0.0361847	0.2900002	0.9730037	4	0.79710593
ENSG00000156687	8	UNC5D	35092975	rs10101683	8	35098551	C	A	0.467197	0.00220441	0.00820385	0.788157	0.168193	0.0294637	1.14E-08	0.0131064	0.0488304	0.7883859	0.4589207	12	0.96301985
ENSG00000085788	8	DDHD2	38082736	rs10958567	8	38108133	G	C	0.254473	-0.0141505	0.0102943	0.169259	0.216902	0.0373003	6.06E-09	-0.0652391	0.0487686	0.180985	0.5591033	5	0.69774631
ENSG00000147535	8	PPAPDC1B	38120648	rs1488936	8	38213739	T	A	0.255467	-0.0136193	0.0103755	0.189305	0.278377	0.0486975	1.09E-08	-0.0489239	0.0382414	0.2007755	0.7174644	6	0.72248321
ENSG00000253361	8	RP11-675F6.3	38401170	rs12681947	8	38381347	C	T	0.816103	-0.0085239	0.010798	0.429881	0.571134	0.0938786	1.17E-09	-0.0149245	0.0190647	0.4337248	0.9366599	5	0.86418667
ENSG00000176209	8	SMIM19	42396298	rs2974334	8	42438065	T	C	0.583499	-0.0008088	0.00823697	0.92178	-0.595477	0.0483299	6.98E-35	0.00135824	0.013833	0.9217828	0.5758729	20	0.99128987
ENSG00000104738	8	MCM4	48872745	rs762679	8	48885436	A	T	0.84493	0.0040172	0.01075	0.708632	0.493259	0.057754	1.33E-17	0.0081442	0.0218147	0.7088985	0.7245573	14	0.94335125
ENSG00000034239	8	EFCAB1	49623348	rs3750259	8	49647910	A	C	0.605368	0.00063178	0.00828332	0.939203	-0.996013	0.065874	1.20E-51	-0.0006343	0.00831658	0.9392036	0.3595976	20	0.99347767
ENSG00000236814	8	RP11-446E9.1	56962597	rs72653964	8	56997689	G	A	0.255467	0.0007915	0.010125	0.93769	-0.507753	0.0865025	4.36E-09	-0.0015588	0.0199426	0.9376958	0.1830523	8	0.99347767
ENSG00000008988	8	RPS20	56979854	rs2719263	8	56944687	T	C	0.227634	0.0102132	0.0107116	0.340353	0.290939	0.0342798	2.12E-17	0.0351043	0.0370489	0.3433787	0.2660432	20	0.83501439
ENSG00000215117	8	LINC00588	58192102	rs1961778	8	58168756	A	G	0.190855	-0.0093426	0.0103227	0.365439	0.86069	0.124077	4.01E-12	-0.0108547	0.0120952	0.3694817	0.6682872	14	0.84036336
ENSG00000251396	8	RP11-163N6.2	61297147	rs1893279	8	61390282	G	A	0.543738	0.0202932	0.00814848	0.0127591	-0.419052	0.0639921	5.81E-11	-0.0484264	0.0208038	0.01992407	0.8580351	13	0.39537444
ENSG00000137563	8	GGH	63927638	rs35525331	8	63963724	T	A	0.277336	0.00675437	0.00929702	0.467526	0.554696	0.0637779	3.40E-18	0.0121767	0.0168189	0.4690733	0.5521578	20	0.86418667
ENSG00000254081	8	CTD-3025N20.2	66439243	rs62507575	8	66478721	T	C	0.523857	0.0122212	0.00808754	0.130758	0.488653	0.051397	1.95E-21	0.02501	0.0167584	0.1355991	0.2121504	20	0.67869568
ENSG00000272010	8	CTD-3025N20.3	66504085	rs73236948	8	66521411	G	T	0.38668	-0.0130605	0.00866188	0.131602	-0.528874	0.0617137	1.04E-17	0.0246949	0.0166295	0.1375429	0.7009474	15	0.67926006
ENSG00000104442	8	ARMC1	66514694	rs3268	8	66514965	C	T	0.317097	-0.0142068	0.00906936	0.117241	0.381525	0.045209	3.20E-17	-0.0372369	0.0241774	0.123523	0.7905773	14	0.66369299
ENSG00000147576	8	ADHFE1	67342420	rs2555569	8	67381459	T	C	0.501988	0.00327167	0.00808412	0.685697	0.365502	0.0379739	6.27E-22	0.00895117	0.0221374	0.6859583	0.6867832	20	0.93644307
ENSG00000147592	8	LACTB2	71547553	rs1596565	8	71698832	T	C	0.4334	-0.0221234	0.00808883	0.00623706	0.348899	0.0539352	9.88E-11	-0.0634092	0.0251709	0.01176408	0.8618781	11	0.3603961
ENSG00000221947	8	XKR9	71581600	rs34282253	8	71582366	G	A	0.519881	-0.0153647	0.00805328	0.0564053	1.00377	0.0642487	5.06E-55	-0.015307	0.00808264	0.05824995	0.3854859	10	0.56431793
ENSG00000260838	8	RP11-531A24.3	73859385	rs11786730	8	73865193	A	G	0.410537	0.016019	0.00827907	0.0530054	0.295422	0.0529376	2.40E-08	0.0542241	0.0296612	0.06753222	0.6751117	3	0.59477339
ENSG00000121005	8	CRISPLD1	75896750	rs7017855	8	75903900	G	A	0.306163	0.00504204	0.00836065	0.546463	-0.389505	0.0669834	6.07E-09	-0.0129447	0.0215799	0.5486058	0.1299872	8	0.88695612
ENSG00000104432	8	IL7	79587978	rs2919919	8	79657509	C	T	0.210736	-0.0227058	0.0109038	0.0373078	-0.731735	0.121927	1.96E-09	0.0310301	0.0157728	0.04914729	0.4599811	3	0.5383209
ENSG00000254352	8	RP11-578O24.2	79636031	rs1026920	8	79632010	A	G	0.714712	0.0108078	0.00909896	0.23491	0.619721	0.107807	9.01E-09	0.0174398	0.0149925	0.2447352	0.1943431	5	0.76092327
ENSG00000272138	8	RP11-27N21.3	80680377	rs2440660	8	80702283	A	G	0.66004	0.0108825	0.00855089	0.203133	-0.575971	0.104217	3.26E-08	-0.0188942	0.0152346	0.2148955	0.2550512	3	0.73920895
ENSG00000104231	8	ZFAND1	82613569	rs7826125	8	82632694	T	C	0.593439	0.0132911	0.00807845	0.0999194	0.28933	0.0423386	8.27E-12	0.0459375	0.028719	0.1096986	0.2222063	13	0.65086925
ENSG00000104497	8	SNX16	82711816	rs774474	8	82726140	T	C	0.200795	-0.0016351	0.00883765	0.853218	-0.517507	0.0703472	1.89E-13	0.00315955	0.0170828	0.8532638	0.02281283	13	0.98502986
ENSG00000133739	8	LRRCC1	86019382	rs7818090	8	86091963	C	G	0.700795	0.00430297	0.00980827	0.660873	0.290818	0.0435147	2.34E-11	0.0147961	0.0337991	0.6615558	0.09120943	20	0.93065748
ENSG00000185015	8	CA13	86132816	rs4740048	8	86211571	G	A	0.712724	0.0194895	0.0100206	0.0517821	-0.476528	0.0631532	4.50E-14	-0.040899	0.0217157	0.05964837	0.1774001	20	0.56580409
ENSG00000253549	8	RP11-317J10.2	86354080	rs6988475	8	86383268	G	A	0.630219	0.00774796	0.00863278	0.369449	0.422474	0.0683987	6.55E-10	0.0183395	0.0206485	0.3744455	0.6584251	8	0.84345932
ENSG00000176623	8	RMDN1	87480486	rs4961193	8	87486168	C	T	0.27833	0.015466	0.00916869	0.0916368	0.351496	0.0395401	6.13E-19	0.0440005	0.0265502	0.09746777	0.4963015	16	0.65086925
ENSG00000164823	8	OSGIN2	90914087	rs40459	8	90846226	A	G	0.692843	-0.0033121	0.00860686	0.700372	0.345283	0.06261	3.49E-08	-0.0095923	0.0249876	0.7010644	0.2441841	5	0.94255443
ENSG00000104413	8	ESRP1	95653302	rs7842246	8	95724126	G	A	0.610338	-0.0076716	0.00830377	0.355554	0.454153	0.0800382	1.39E-08	-0.0168921	0.0185249	0.3618415	0.829171	6	0.840274
ENSG00000272321	8	KB-1517D11.4	99448897	rs7013308	8	99409497	T	G	0.758449	-0.03506	0.009152	0.0001277	-0.235432	0.0420207	2.11E-08	0.148918	0.0470913	0.00156517	0.3552067	8	0.1985174
ENSG00000174226	8	SNX31	101585116	rs1693549	8	101675374	T	C	0.201789	0.00131118	0.00936358	0.888637	0.589046	0.103461	1.25E-08	0.00222594	0.015901	0.8886699	0.8484032	7	0.98658093
ENSG00000164924	8	YWHAZ	101928753	rs964917	8	101937455	C	T	0.572565	-0.0118423	0.00807311	0.142408	-0.214844	0.0264268	4.30E-16	0.0551205	0.0381834	0.1488595	0.3130882	10	0.68107362
ENSG00000104490	8	NCALD	102698771	rs11778653	8	102954392	C	T	0.383698	-0.0096449	0.00840003	0.250887	0.14957	0.0272145	3.89E-08	-0.0644842	0.0573737	0.2610416	0.8134186	7	0.77608082
ENSG00000253633	8	KB-1980E6.3	103540968	rs9297327	8	103540181	C	A	0.466203	0.00488964	0.00810722	0.546428	0.426806	0.0782424	4.90E-08	0.0114564	0.0191108	0.5488604	0.4949272	6	0.88698493
ENSG00000164930	8	FZD6	104310661	rs16870364	8	104365116	C	T	0.305169	-0.0003057	0.00863331	0.971756	-0.276809	0.0479873	8.00E-09	0.00110428	0.0311893	0.9717563	0.1977541	6	0.99471489
ENSG00000164933	8	SLC25A32	104410863	rs2687364	8	104390224	A	T	0.524851	-0.0006832	0.0080522	0.932384	0.237857	0.0435654	4.77E-08	-0.0028723	0.0338572	0.9323925	0.7567513	7	0.99347767
ENSG00000271830	8	RP11-1C8.7	104493494	rs2080609	8	104553445	A	G	0.394632	0.00983861	0.0080912	0.223999	0.742595	0.0709384	1.21E-25	0.013249	0.0109691	0.2271077	0.7554187	19	0.74496098
ENSG00000253477	8	RP11-1C8.4	104495626	rs4734711	8	104476300	C	T	0.418489	0.00930607	0.00806798	0.248722	0.358824	0.0622065	8.01E-09	0.0259349	0.0229296	0.2580276	0.9398553	6	0.772639
ENSG00000104408	8	EIF3E	109213445	rs1584374	8	109263705	G	T	0.597416	0.00300747	0.00834021	0.718399	-0.260561	0.0394983	4.20E-11	-0.0115423	0.0320565	0.7188013	0.2627729	13	0.94509525
ENSG00000104412	8	EMC2	109455830	rs13249751	8	109066582	A	T	0.251491	0.00772096	0.00935825	0.409346	0.245455	0.0443599	3.14E-08	0.0314557	0.0385476	0.4144876	0.2404334	7	0.86418667
ENSG00000205002	8	AARD	117950438	rs16889283	8	117950768	C	G	0.280318	-0.0055889	0.00909586	0.538922	0.46469	0.0625613	1.10E-13	-0.0120272	0.0196409	0.5403044	0.1849457	3	0.88612583
ENSG00000164758	8	MED30	118532952	rs4876378	8	118499668	C	A	0.248509	-0.0189498	0.00870299	0.029451	0.441801	0.074866	3.61E-09	-0.0428922	0.020997	0.04107493	0.3604899	7	0.50119442
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.35766	0.113717	7.42E-33	-0.003978	0.00713251	0.5770345	0.6572154	14	0.89834695
ENSG00000172167	8	MTBP	121457640	rs13255475	8	121468076	C	T	0.691849	-0.0120587	0.0085327	0.157586	-0.502017	0.0561227	3.72E-19	0.0240205	0.0172077	0.1627388	0.375922	7	0.68549033
ENSG00000156787	8	TBC1D31	124054208	rs62521777	8	124118828	A	G	0.290258	-0.0181046	0.00846172	0.0323884	0.38957	0.0627121	5.23E-10	-0.0464733	0.0229729	0.04307732	0.01165226	3	0.51390968
ENSG00000156795	8	WDYHV1	124428965	rs13271857	8	124435852	A	G	0.306163	0.00263866	0.00838025	0.752863	-0.631803	0.0636248	3.08E-23	-0.0041764	0.0132707	0.7529831	0.3540851	11	0.95364688
ENSG00000245149	8	RNF139-AS1	125474726	rs7812363	8	125470047	T	C	0.407555	0.00775643	0.00826292	0.347883	-0.418786	0.0608225	5.76E-12	-0.0185212	0.0199132	0.3523196	0.5348313	6	0.840274
ENSG00000153317	8	ASAP1	131064353	rs17210536	8	131217790	C	T	0.138171	-0.0027579	0.0105581	0.79393	0.45906	0.0610973	5.75E-14	-0.0060077	0.0230133	0.7940515	0.3364644	20	0.96512554
ENSG00000253507	8	CTD-2501M5.1	132320792	rs6985272	8	132344370	G	T	0.675944	0.00875169	0.00849902	0.303137	0.677729	0.115908	5.00E-09	0.0129133	0.0127334	0.310524	0.5181097	3	0.81319251
ENSG00000008513	8	ST3GAL1	134467091	rs78997964	8	134500106	A	G	0.177932	0.0144776	0.0107456	0.17788	-0.577689	0.100572	9.24E-09	-0.0250612	0.0191058	0.1896197	0.6622167	9	0.70253861
ENSG00000259820	8	AC083843.1	135804263	rs737196	8	135847442	C	T	0.372763	0.00369799	0.00846404	0.66218	-0.360723	0.0533394	1.35E-11	-0.0102516	0.023513	0.6628388	0.2537131	4	0.93065748
ENSG00000167632	8	TRAPPC9	140742586	rs10099688	8	141441957	C	T	0.202783	0.00749369	0.0107463	0.485599	-0.294246	0.0529731	2.78E-08	-0.0254674	0.0368082	0.4890023	0.7789654	5	0.86806745
ENSG00000169398	8	PTK2	141667999	rs13268718	8	141687200	G	T	0.526839	0.0126047	0.00811502	0.120363	0.250491	0.0414332	1.49E-09	0.05032	0.0334486	0.132479	0.1961885	8	0.67286028
ENSG00000253210	8	RP11-809O17.1	142136143	rs7814272	8	142139682	G	T	0.465209	0.00034268	0.00820932	0.966704	-0.753386	0.0866703	3.54E-18	-0.0004549	0.0108967	0.9667041	0.6000056	7	0.99444636
ENSG00000261655	8	CTD-3064M3.3	142363503	rs12682621	8	142369469	A	G	0.0805169	0.00871265	0.013272	0.511522	-0.769825	0.138045	2.45E-08	-0.0113177	0.0173593	0.5144227	0.100695	3	0.87880989
ENSG00000171045	8	TSNARE1	143293441	rs7818332	8	143370806	C	T	0.16998	-0.0106882	0.0109632	0.329604	0.622479	0.0750359	1.08E-16	-0.0171704	0.0177334	0.3329181	0.09830128	20	0.83015198

ENSG00000261693	8	RP13-467H17.1	143485013	rs13272936	8	143479132	G	T	0.176938	-0.0014386	0.0116957	0.902109	0.756828	0.108917	3.69E-12	-0.0019008	0.015456	0.9021238	0.8998059	6	0.98658093
ENSG00000167653	8	PSCA	143751726	rs2920286	8	143754728	A	G	0.446322	-0.0064285	0.00804247	0.424109	0.77022	0.0907314	2.08E-17	-0.0083463	0.010488	0.4261524	0.01745834	20	0.86418667
ENSG00000160886	8	LY6K	143781529	rs2585141	8	143806343	A	G	0.333002	-0.0263489	0.00831835	0.00153723	0.502657	0.0868477	7.13E-09	-0.0524192	0.018865	0.00545851	0.03196217	10	0.30017552
ENSG00000253741	8	CTD-2292P10.4	143783670	rs2585175	8	143781289	C	G	0.473161	0.00767379	0.00809033	0.342868	-0.649342	0.0620059	1.16E-25	-0.0118178	0.0125103	0.3448391	0.02911855	20	0.83501439
ENSG00000130193	8	THEM6	143808621	rs2585139	8	143808175	G	C	0.452286	0.00469008	0.00813859	0.564429	-0.411549	0.0444126	1.92E-20	-0.0113962	0.0198137	0.5651793	0.00753079	20	0.89726458
ENSG00000180155	8	LYNX1	143845752	rs13362	8	143852964	G	C	0.266402	-0.0267723	0.00890137	0.00263263	0.215697	0.0320185	1.62E-11	-0.12412	0.0451941	0.00602581	0.7824826	8	0.30017552
ENSG00000167656	8	LY6D	143866296	rs10105811	8	143870183	T	A	0.400596	0.007659	0.00834883	0.358947	-0.701621	0.0788168	5.49E-19	-0.0109161	0.0119624	0.3614839	0.05919473	20	0.840274
ENSG00000247317	8	RP11-273G15.2	144063155	rs7820624	8	144092166	G	A	0.37674	-0.0107455	0.00818872	0.189443	0.327434	0.0530778	6.87E-10	-0.0328173	0.0255683	0.1993117	0.3789086	11	0.71998228
ENSG00000253716	8	RP13-582O9.5	144362331	rs2293923	8	144357992	G	A	0.485089	0.00216663	0.00810239	0.789156	-0.69784	0.0684739	2.17E-24	-0.0031048	0.0116147	0.7892272	0.7859945	20	0.96301985
ENSG00000185730	8	ZNF696	144371846	rs2450771	8	144410798	G	A	0.772366	0.0103117	0.0101786	0.311026	-0.35472	0.0634187	2.23E-08	-0.02907	0.0291616	0.3188338	0.5332638	13	0.81665079
ENSG00000272172	8	RP13-582O9.7	144372569	rs2467895	8	144411018	G	A	0.77336	0.0102939	0.0101859	0.31221	-0.509457	0.0927372	3.94E-08	-0.0202056	0.0203291	0.3202595	0.544714	10	0.8185229
ENSG00000104518	8	GSDMD	144635377	rs80346174	8	144640506	C	G	0.191849	-0.0122576	0.00956143	0.199848	-0.357679	0.0453744	3.20E-15	0.0342698	0.0270831	0.2057424	0.7018278	20	0.72835256
ENSG00000204839	8	MROH6	144648357	rs2015562	8	144660257	T	G	0.0944334	-0.0074939	0.0129117	0.561649	-0.457502	0.0824222	2.85E-08	0.01638	0.028376	0.5637723	0.6769152	6	0.89562809
ENSG00000255050	8	RP11-661A12.9	144655660	rs10282929	8	144681777	T	G	0.799205	-0.0007696	0.00974138	0.93703	1.04725	0.0987359	2.78E-26	-0.0007349	0.00930212	0.9370316	0.55759	20	0.99347767
ENSG00000147813	8	NAPRT1	144656955	rs10282929	8	144681777	T	G	0.799205	-0.0007696	0.00974138	0.93703	1.16578	0.0833164	1.74E-44	-0.0006602	0.00835624	0.9370309	0.5199605	20	0.99347767
ENSG00000104524	8	PYCRL	144686083	rs896955	8	144658370	T	C	0.130219	-0.0019145	0.0111707	0.863923	-0.351482	0.0597735	4.10E-09	0.00544682	0.0317952	0.8639804	0.6086693	4	0.98554401
ENSG00000183309	8	ZNF623	144718183	rs62524202	8	144761245	G	C	0.0984095	0.00644748	0.0122251	0.597917	0.620466	0.0867017	8.29E-13	0.0103914	0.0197565	0.5989087	0.8561524	9	0.90385749
ENSG00000181097	8	RP11-429J17.2	144778324	rs1141722	8	144780284	T	A	0.832008	0.00400449	0.00985641	0.684536	0.799451	0.101173	2.75E-15	0.00500905	0.0123453	0.6849286	0.9445935	10	0.93629849
ENSG00000180921	8	FAM83H	144806103	rs12156265	8	144848756	A	G	0.559642	8.66E-05	0.00807375	0.991441	-0.649944	0.0621965	1.47E-25	-0.0001333	0.0124222	0.991441	0.7177494	20	0.99595203
ENSG00000203499	8	FAM83H-AS1	144816310	rs12541792	8	144852879	A	G	0.552684	0.00056554	0.00809104	0.944276	-0.475629	0.0694245	7.33E-12	-0.001189	0.0170121	0.9442789	0.3157899	10	0.99347767
ENSG00000178209	8	PLEC	144989321	rs56034811	8	145010514	C	T	0.411531	0.0099132	0.00825015	0.229527	-0.354388	0.0513553	5.17E-12	-0.0279727	0.0236303	0.2365054	0.9681127	20	0.75264543
ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	1.51906	0.117472	3.00E-38	-0.0066988	0.00979055	0.4938454	0.5348756	11	0.86806745
ENSG00000071894	8	CPSF1	145618444	rs2977835	8	145622923	T	C	0.632207	-0.0033152	0.00828413	0.689017	1.01947	0.0596896	2.11E-65	-0.0032519	0.00812815	0.689098	0.4917947	20	0.9382607
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	1.21458	0.0932788	9.30E-39	0.0102465	0.0144233	0.4774464	0.01452081	7	0.86418667
ENSG00000198169	8	ZNF251	145946298	rs2955194	8	145988907	T	G	0.470179	0.00716335	0.008065	0.374432	-0.301596	0.0457457	4.31E-11	-0.0237515	0.0269827	0.378724	0.8005416	3	0.84640362
ENSG00000196378	8	ZNF34	145998499	rs11784860	8	146013799	T	C	0.552684	-0.0059718	0.00809031	0.460429	0.405965	0.0587829	4.98E-12	-0.0147101	0.0200421	0.4629734	0.5677368	10	0.86418667
ENSG00000161016	8	RPL8	146015150	rs2954654	8	146008168	G	A	0.462227	0.00672688	0.00807696	0.40493	0.209064	0.0333968	3.85E-10	0.0321762	0.0389743	0.409046	0.9169307	7	0.86143571
ENSG00000197363	8	ZNF517	146024261	rs7812603	8	146039038	A	C	0.343936	0.00433884	0.00848428	0.609073	0.428461	0.0571392	6.45E-14	0.0101266	0.0198478	0.6099027	0.2577038	16	0.90684164
ENSG00000170619	8	COMMD5	146066427	rs79747795	8	146080433	T	A	0.0198807	-0.0171946	0.0370391	0.642485	1.30429	0.221759	4.06E-09	-0.0131831	0.0284862	0.6435156	0.504442	5	0.92308109
ENSG00000196922	8	ZNF252P	146198975	rs6981609	8	146222424	T	C	0.0974155	-0.0059316	0.0120684	0.623072	0.905838	0.0856454	3.83E-26	-0.0065482	0.0133373	0.6234475	0.7037193	18	0.91443861
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407330	9	73986	G	A	0.44831	-0.0014228	0.00842389	0.865875	-0.778604	0.0927568	4.70E-17	0.00182737	0.0108214	0.8659017	0.5368019	8	0.98554401
ENSG00000172785	9	CBWD1	121041	rs3008143	9	193737	T	C	0.619284	0.00110801	0.00824952	0.893156	-0.815323	0.0840123	2.88E-22	-0.001359	0.0101191	0.893166	0.1138813	20	0.98658093
ENSG00000107099	9	DOCK8	214854	rs12156499	9	370199	G	A	0.144135	0.0118156	0.0126921	0.351885	0.610583	0.0665023	4.26E-20	0.0193513	0.0208934	0.354346	0.5682893	20	0.840274
ENSG00000147853	9	AK3	4711155	rs79965806	9	4740456	C	A	0.083499	-0.0290496	0.0240346	0.226794	-0.412929	0.0694719	2.78E-09	0.0703501	0.0593964	0.2362477	0.2583591	4	0.75264543
ENSG00000137033	9	IL33	6215805	rs13283687	9	6473296	G	A	0.0367793	0.00538403	0.0272188	0.843197	0.779751	0.109241	9.48E-13	0.00690481	0.0349204	0.8432566	0.773822	20	0.98207023
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	1.14626	0.136924	5.69E-17	-0.0005055	0.00963893	0.9581794	0.5139078	10	0.99347767
ENSG00000235448	9	RP11-3L8.3	12700100	rs7039325	9	12758156	T	C	0.599404	0.00489432	0.00844018	0.561993	0.620879	0.0695916	4.59E-19	0.00788289	0.0136226	0.562817	0.3588585	20	0.89490604
ENSG00000153714	9	LURAP1L	12775020	rs1326792	9	12761360	C	T	0.597416	0.00537848	0.00843631	0.523774	0.460321	0.0589846	5.99E-15	0.0116842	0.0183881	0.5251528	0.3525001	18	0.8837477
ENSG00000273399	9	RP11-408A13.3	14586767	rs10810183	9	14586790	C	T	0.0437376	-0.0341796	0.0256853	0.183287	-1.19321	0.199246	2.12E-09	0.0286451	0.0220512	0.1939359	0.04765834	4	0.70945692
ENSG00000272871	9	RP11-408A13.4	14588795	rs12236525	9	14616590	C	T	0.441352	0.0149066	0.00808189	0.0651193	0.377288	0.0536236	1.98E-12	0.0395099	0.0221448	0.07439804	0.8685908	20	0.60886527
ENSG00000164946	9	FREM1	14734664	rs10810271	9	14847175	C	T	0.107356	0.0008771	0.0139231	0.94977	-0.607818	0.0870325	2.87E-12	-0.001443	0.0229076	0.9497716	0.9145665	7	0.99347767
ENSG00000215237	9	RP11-54D18.2	14993310	rs1916311	9	15019719	C	T	0.5	-0.0052414	0.00807877	0.516473	0.984588	0.0699103	4.79E-45	-0.0053235	0.00821393	0.5169174	0.348592	20	0.87976946
ENSG00000164989	9	CCDC171	15552895	rs7025420	9	15751024	T	C	0.464215	-0.0180934	0.00809819	0.0254665	-0.608506	0.0695957	2.26E-18	0.0297341	0.0137359	0.03041107	0.4207364	20	0.45206297
ENSG00000044459	9	CNTLN	17134980	rs10962993	9	17274815	G	C	0.284294	0.0183543	0.00937838	0.0503373	0.371832	0.0518125	7.15E-13	0.0493618	0.0261431	0.05900776	0.04845561	19	0.56431793
ENSG00000273226	9	RP11-513M16.8	19375449	rs67906804	9	19376258	C	G	0.0944334	-0.0011094	0.0172729	0.948788	0.662808	0.11038	1.92E-09	-0.0016738	0.0260617	0.9487909	0.02607963	13	0.99347767
ENSG00000261402	9	RP11-378I6.1	19926092	rs2051134	9	19889326	C	A	0.619284	-0.0049292	0.00817859	0.546711	-0.621792	0.0593858	1.18E-25	0.00792741	0.013175	0.5473741	0.8055761	20	0.8868228
ENSG00000226393	9	IFNA20P	21321299	rs2225329	9	21257057	T	C	0.163022	-0.0006466	0.0101574	0.949243	-0.701742	0.125195	2.08E-08	0.00092142	0.0144755	0.949246	0.4380984	15	0.99347767
ENSG00000096872	9	IFT74	26947037	rs7034899	9	26975149	T	G	0.0457256	0.0174798	0.0135315	0.196431	1.47072	0.154402	1.65E-21	0.0118852	0.00928482	0.2005212	0.9994959	10	0.72226194
ENSG00000147894	9	C9orf72	27546544	rs774358	9	27559997	A	T	0.718688	-0.0039388	0.00900197	0.661718	0.526821	0.0618274	1.58E-17	-0.0074765	0.0171099	0.662135	0.0060839	20	0.93065748
ENSG00000241043	9	GVQW1	32566787	rs10813826	9	32497007	C	T	0.486083	0.0018409	0.00824481	0.823317	-0.568419	0.0787143	5.15E-13	-0.0032386	0.0145117	0.8234007	0.4442369	11	0.9736055
ENSG00000165269	9	AQP7	33384765	rs17251987	9	33388289	T	C	0.10338	-0.0005981	0.0119204	0.959981	1.41655	0.131522	4.75E-27	-0.0004223	0.00841518	0.9599812	0.4483431	7	0.99347767
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.823095	0.0584371	4.69E-45	-0.000682	0.0112007	0.9514463	0.8840909	20	0.99347767
ENSG00000234373	9	SNX18P7	33576378	rs10971548	9	33525569	A	G	0.425447	0.00218644	0.00856883	0.798598	0.46176	0.0834449	3.14E-08	0.00473501	0.0185766	0.7988071	0.595654	6	0.965513
ENSG00000226562	9	RP11-255A11.21	33580693	rs12005759	9	33522045	A	G	0.422465	0.00197918	0.00858511	0.817675	0.604466	0.0573816	6.01E-26	0.00327426	0.0142062	0.8177179	0.3929272	20	0.97249977
ENSG00000204982	9	PRSS3P4	33613846	rs12005759	9	33522045	A	G	0.422465	0.00197918	0.00858511	0.817675	0.531519	0.0759454	2.58E-12	0.00372363	0.0161608	0.8177721	0.2100005	11	0.97249977
ENSG00000205274	9	TRBV20OR9-2	33617760	rs9644876	9	33513303	C	G	0.422465	0.00143081	0.00857961	0.867552	0.465338	0.0764954	1.18E-09	0.00307478	0.0184443	0.8676014	0.5860758	6	0.98554401
ENSG00000260947	9	RP11-384P7.7	33697457	rs573176274	9	33677185	C	G	0.0675944	0.0300962	0.015529	0.0526151	1.49358	0.152148	9.55E-23	0.0201504	0.0105979	0.05725442	0.05779715	20	0.56431793
ENSG00000010438	9	PRSS3	33750515	rs1971429	9	33776182	A	C	0.741551	0.00485298	0.0086465	0.574616	-0.534962	0.0572952	9.92E-21	-0.0090716	0.016192	0.5753062	0.6583433	20	0.89834695
ENSG00000164978	9	NUDT2	34329504	rs10971957	9	34151463	T	C	0.590457	-0.0061091	0.0082792	0.460581	0.622468	0.0613954	3.72E-24	-0.0098144	0.0133358	0.461765	0.458211	17	0.86418667
ENSG00000164972	9	C9orf24	34379017	rs3818830	9	34378999	T	A	0.136183	-0.0087209	0.0108693	0.422353	-0.458529	0.0752931	1.13E-09	0.0190193	0.0239096	0.4263401	0.4585434	3	0.86418667
ENSG00000164967	9	RPP25L	34610483	rs2772545	9	34667361	G	C	0.559642	0.0130022	0.0082057	0.113073	-0.263134	0.0473335	2.71E-08	-0.0494128	0.0324265	0.1275485	0.7139704	10	0.6660315
ENSG00000205143	9	ARID3C	34621376	rs1800866	9	34637690	G	T	0.152087	0.0101557	0.0119211	0.394266	0.85778	0.0817921	9.88E-26	0.0118395	0.0139434	0.3958186	0.2139486	18	0.85165727
ENSG00000213930	9	GALT	34638130	rs72737176	9	34699700	C	G	0.0646123	-0.0230681	0.0166626	0.166229	-0.569999	0.0968919	4.03E-09	0.0404704	0.0300313	0.1777838	0.6304937	7	0.69740293
ENSG00000137070	9	IL11RA	34650699	rs2070074	9	34649442	G	A	0.102386	-0.0116565	0.0127672	0.361243	0.55692	0.0926354	1.83E-09	-0.0209303	0.0231875	0.3667095	0.7553797	3	0.840274
ENSG00000230074	9	RP11-195F19.9	34665662	rs2772554	9	34680853	A	C	0.775348	0.0104972	0.0105766	0.320959	0.866744	0.1017	1.56E-17	0.0121111	0.0122851	0.3242163	0.3819	20	0.82228454
ENSG00000165282	9	PIGO	35088685	rs2525080	9	35021410	T	C	0.544732	0.0117973	0.00819187	0.149833	0.292904	0.0492249	2.68E-09	0.040277	0.0287752	0.1615997	0.466739	8	0.68549033
ENSG00000137135	9	ARHGEF39	35658872	rs1934160	9	35656674	A	G	0.451292	0.019681	0.00816505	0.0159349	0.434124	0.0731857	3.00E-09	0.045335	0.0203016	0.02554415	0.1252876	4	0.43085467
ENSG00000198467	9	TPM2	35681989	rs3793537	9	35687556	C	G	0.275348	0.0161746	0.0094789	0.0879387	-0.749811	0.0620277	1.22E-33	-0.0215716	0.012767	0.09109901	0.5416087	20	0.64948716
ENSG00000227388	9	RP11-112J3.16	35772160	rs12351422	9	35789938	A	G	0.201789	0.0174642	0.0108363	0.107042	-0.404953	0.0715829	1.54E-08	-0.0431265	0.0278241	0.1211493	0.08496057	6	0.66369299
ENSG00000137103	9	TMEM8B	35814448	rs2381409	9	35829390	T	C	0.611332	-0.0125076	0.00814061	0.124428	-0.454098	0.0422414	5.92E-27	0.0275438	0.0181092	0.1282627	0.08143522	20	0.66639677
ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.27272	0.112613	1.29E-29	-0.0008923	0.00822937	0.9136509	0.1331079	12	0.98848475
ENSG00000237846	9	RP11-216M21.1	42250840	rs62542397	9	42204111	A	G	0.687873	-0.0024169	0.0103234	0.814897	-0.920122	0.0924446	2.44E-23	0.00262666	0.0112227	0.8149469	0.7061067	3	0.97213764
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.637064	0.0915823	3.50E-12	0.0231069	0.0159604	0.147681	0.9466498	5	0.68107362
ENSG00000083067	9	TRPM3	73143979	rs17521958	9	73730994	C	T	0.0874751	-0.0063414	0.0132822	0.633051	0.750885	0.128443	5.03E-09	-0.0084453	0.0177476	0.6341784	0.8987131	5	0.92007447
ENSG00000106733	9	NMRK1	77675489	rs10869500	9	77707695	T	A	0.366799	-0.0057783	0.00889866	0.516118	-1.05788	0.0659888	7.74E-58	0.00546212	0.00841868	0.5164615	0.4303526	20	0.87976946
ENSG00000156052	9	GNAQ	80331003	rs10870004	9	80618079	G	A	0.742545	4.95E-05	0.00894162	0.995587	0.235803	0.0359501	5.41E-11	0.00020971	0.0379199	0.9955874	0.5571926	20	0.99798512
ENSG00000254473	9	RP11-522I20.3	86322509	rs17080575	9	86319414	C	T	0.152087	-0.0195497	0.0124628	0.11673	0.698758	0.0922746	3.66E-14	-0.0279778	0.0182143	0.1245299	0.5480693	8	0.66377689
ENSG00000178966	9	RMI1	86595626	rs10868080	9	86626769	A	T	0.72167	-0.0141924	0.00918456	0.122286	0.362291	0.0653667	2.98E-08	-0.039174	0.0263182	0.1366249	0.7292797	8	0.67926006
ENSG00000231007	9	CDC20P1	89626567	rs1927080	9	89615009	T	C	0.745527	0.00308631	0.00918762	0.736931	-0.659617	0.080797	3.24E-16	-0.0046789	0.0139405	0.737145	0.8821439	14	0.94997803
ENSG00000214888	9	XXyac-YM21GA2.7	90471930	rs629074	9	90547488	G	A	0.499006	0.00269099	0.00812633	0.740536	0.573697	0.0838178	7.67E-12	0.00469061	0.0141814	0.7408275	0.6377918	6	0.95006498
ENSG00000123975	9	CKS2	91926113	rs10119002	9	91963682	A	G	0.915507	-0.007827	0.0178097	0.660315	1.29846	0.135769	1.14E-21	-0.0060279	0.0137305	0.6606505	0.2954729	11	0.93037449
ENSG00000229694	9	RP11-305L7.6	93881344	rs4744035	9	93922267	G	A	0.929423	-0.0084577	0.0143354	0.555198	-1.08758	0.182728	2.65E-09	0.00777663	0.0132456	0.5571296	0.5330775	12	0.89045423
ENSG00000273381	9	RP11-305L7.7	93968457	rs113778936	9	94056557	T	C	0.0964215	0.0170164	0.0151481	0.261295	0.635252	0.11056	9.15E-09	0.0267868	0.0242973	0.2702603	0.9178468	8	0.78358753
ENSG00000090054	9	SPTLC1	94794281	rs6479386	9	94694690	T	C	0.342942	-0.0038694	0.00855719	0.651138	0.322597	0.0577674	2.34E-08	-0.0119946	0.0266128	0.6522006	0.8182092	14	0.9271714
ENSG00000234537	9	RP11-100G15.7	94894680	rs3901406	9	94896482	A	C	0.32505	-0.0072265	0.00839577	0.389389	0.744545	0.0822717	1.43E-19	-0.0097059	0.0113273	0.3915232	0.9832936	20	0.84859336
ENSG00000188312	9	CENPP	95087766	rs10820970	9	95106713	C	A	0.172962	-0.014126	0.011788	0.230786	1.01975	0.0775737	1.80E-39	-0.0138524	0.0116076	0.232717	0.6487771	20	0.74829003
ENSG00000165233	9	C9orf89	95858500	rs10821068	9	95857936	A	C	0.770378	0.00879386	0.00995319	0.376955	0.355177	0.0509882	3.26E-12	0.0247591	0.0282477	0.3807585	0.3978908	3	0.84640362
ENSG00000227603	9	RP11-165J3.6	96197614	rs59483310	9	96265600	T	C	0.127237	0.0143455	0.0117173	0.220838	0.873974	0.105099	9.12E-17	0.0164141	0.0135514	0.225802	0.4115354	20	0.74274316
ENSG00000148120	9	C9orf3	97488983	rs7042320	9	97833522	T	A	0.77833	0.00589375	0.00940974	0.531089	0.236406	0.0414672	1.19E-08	0.0249306	0.0400428	0.5335478	0.3127879	6	0.88585906
ENSG00000175611	9	LINC00476	98521513	rs591486	9	98650046	G	A	0.440358	0.0144771	0.00808156	0.0732335	0.830896	0.0795292	1.50E-25	0.0174235	0.00986826	0.07746149	0.5064749	20	0.61476852
ENSG00000182150	9	ERCC6L2	98637983	rs10760189	9	98600825	T	C	0.306163	0.021758	0.00911676	0.0170055	0.392053	0.0577827	1.16E-11	0.0554976	0.0246505	0.02436171	0.9600315	20	0.42765806
ENSG00000224848	9	RP11-535M15.1	99449338	rs76481767	9	99468996	A	C	0.128231	0.0179663	0.0119208	0.131774	-0.947256	0.136511	3.95E-12	-0.0189667	0.012878	0.140805	0.02031492	8	0.67926006
ENSG00000233820	9	RP11-535M15.2	99488172	rs76481767	9	99468996	A	C	0.128231	0.0179663	0.0119208	0.131774	-0.797749	0.107133	9.60E-14	-0.0225212	0.0152461	0.1396259	0.09504562	11	0.67926006
ENSG00000196312	9	HIATL2	99660348	rs28470221	9	99789125	G	A	0.0328032	0.0391186	0.0152052	0.0100904	-1.17358	0.128928	8.82E-20	-0.0333327	0.0134638	0.01329648	0.1147655	11	0.36093199
ENSG00000228376	9	RP11-520B13.4	99837953	rs10817286	9	100001077	C	G	0.614314	0.00105826	0.00841749	0.899952	0.75655	0.0678816	7.56E-29	0.0013988	0.0111269	0.8999587	0.1869781	20	0.98658093
ENSG00000228038	9	VN1R51P	99855976	rs7869509	9	99983812	C	T	0.511928	-0.0033968	0.00807962	0.674185	0.621927	0.0682177	7.74E-20	-0.0054617	0.0130051	0.6745113	0.3990389	18	0.93372697
ENSG00000213612	9	FAM220CP	99883941	rs1542506	9	100160167	G	A	0.377734	0.00219633	0.00854594	0.797176	-0.545408	0.0911653	2.20E-09	-0.004027	0.0156833	0.7973595	0.1345807	9	0.965513
ENSG00000159712	9	ANKRD18CP	99918852	rs2242187	9	100137394	T	C	0.390656	0.0127503	0.00834736	0.126647	-0.731978	0.0645896	9.03E-30	-0.017419	0.011507	0.1300824	0.00884261	20	0.66823977
ENSG00000203279	9	RP11-498P14.5	99962757	rs10817286	9	100001077	C	G	0.614314	0.00105826	0.00841749	0.899952	0.976466	0.0935332	1.63E-25	0.00108377	0.00862099	0.8999595	0.1293024	18	0.98658093
ENSG00000197816	9	CCDC180	100000765	rs11581	9	100139161	G	A	0.195825	0.0167239	0.00970179	0.0847442	-0.436897	0.0753045	6.56E-09	-0.0382788	0.0231656	0.09845267	0.01286345	5	0.65086925
ENSG00000136932	9	C9orf156	100666771	rs7870125	9	100650737	C	G	0.37674	0.00193498	0.00810357	0.811275	0.825337	0.0709105	2.61E-31	0.00234447	0.00982056	0.8113142	0.1068656	20	0.97005522
ENSG00000106789	9	CORO2A	100883257	rs7029397	9	100954055	A	G	0.213718	-0.0023985	0.00987236	0.808042	0.327724	0.0447445	2.40E-13	-0.0073187	0.0301406	0.8081452	0.00160243	13	0.96812022
ENSG00000095383	9	TBC1D2	100961311	rs2900463	9	100977457	C	T	0.5666	0.0134016	0.00814344	0.0998275	0.411384	0.0385326	1.31E-26	0.0325769	0.020029	0.103847	0.3645688	20	0.65086925
ENSG00000119509	9	INVS	102861538	rs4237196	9	103121950	C	T	0.461233	-0.0032305	0.00806139	0.688611	0.428926	0.0728797	3.97E-09	-0.0075317	0.0188379	0.6892935	0.5820999	5	0.9382607
ENSG00000136881	9	BAAT	104122699	rs41281029	9	104151980	A	G	0.0904573	-0.0129963	0.0166871	0.436085	-0.813126	0.117619	4.74E-12	0.0159831	0.020652	0.4389737	0.5548363	11	0.86418667
ENSG00000136870	9	ZNF189	104161155	rs2777345	9	104167718	G	A	0.489066	0.00601603	0.00808145	0.45662	0.336532	0.0605649	2.75E-08	0.0178765	0.0242285	0.4606162	0.9792962	5	0.86418667
ENSG00000136824	9	SMC2	106856541	rs4742903	9	106856793	C	G	0.576541	0.00449065	0.00830583	0.588741	-0.744627	0.0583283	2.53E-37	-0.0060307	0.0111643	0.5890742	0.9291911	20	0.90020885
ENSG00000136783	9	NIPSNAP3A	107509969	rs10761085	9	107542068	T	G	0.254473	-0.0170087	0.00890257	0.0560635	-0.460861	0.0611698	4.92E-14	0.0369064	0.0199287	0.06403704	0.7150158	20	0.58365633
ENSG00000148143	9	ZNF462	109625378	rs72743718	9	109781455	A	G	0.082505	-0.0154722	0.0139643	0.267871	0.486449	0.0829735	4.55E-09	-0.0318064	0.0292148	0.2762816	0.6660068	11	0.78643683
ENSG00000106771	9	TMEM245	111777432	rs56021454	9	111875085	T	C	0.248509	0.00161659	0.0104074	0.876561	0.219191	0.0381153	8.89E-09	0.00737526	0.0474983	0.8766052	0.07828978	4	0.98658093
ENSG00000106853	9	PTGR1	114312002	rs59165439	9	114357952	T	C	0.235586	-0.0154837	0.00906671	0.0876819	-0.504385	0.0729182	4.61E-12	0.0306982	0.0185155	0.09732336	0.2065527	14	0.65086925
ENSG00000204173	9	LRRC37A5P	114353872	rs2093458	9	114385930	G	A	0.32505	-0.0183144	0.00831482	0.027621	-0.65891	0.0853368	1.15E-14	0.027795	0.0131225	0.03416459	0.09695184	20	0.46036171
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.527813	0.0493862	1.17E-26	-0.0018566	0.0168544	0.9122845	0.1060559	20	0.98821764
ENSG00000259953	9	RP11-4O1.2	114794835	rs10817277	9	114934532	A	G	0.34493	0.00598081	0.00812306	0.461563	-0.339498	0.048502	2.57E-12	-0.0176166	0.0240587	0.4640247	0.7651312	6	0.86418667
ENSG00000106868	9	SUSD1	114803065	rs10817276	9	114933834	A	G	0.34493	0.00361471	0.00811805	0.656127	-0.340674	0.0437959	7.33E-15	-0.0106105	0.0238684	0.6566518	0.3474699	11	0.92753488
ENSG00000119457	9	SLC46A2	115641200	rs3802492	9	115652836	A	G	0.319085	-0.0071648	0.00880777	0.415956	0.448657	0.0747013	1.90E-09	-0.0159693	0.0198107	0.4201864	0.2346507	17	0.86418667
ENSG00000136868	9	SLC31A1	115983808	rs10981707	9	116026034	G	A	0.246521	-0.0086004	0.0104497	0.410492	-0.322561	0.055179	5.04E-09	0.0266628	0.0327155	0.4150783	0.02435663	5	0.86418667
ENSG00000176386	9	CDC26	116018115	rs10981712	9	116046126	C	G	0.280318	-0.0043153	0.00886331	0.626347	-0.587163	0.0869833	1.48E-11	0.00734944	0.0151344	0.6272415	0.9102631	11	0.91632578
ENSG00000136875	9	PRPF4	116037623	rs11791027	9	116105154	T	A	0.188867	-0.0007162	0.00987761	0.942195	0.623354	0.0758019	1.98E-16	-0.001149	0.0158465	0.9421973	0.5251626	20	0.99347767
ENSG00000119411	9	BSPRY	116111821	rs10759641	9	116117034	G	C	0.521869	-0.007368	0.00808645	0.362215	0.838262	0.0779502	5.69E-27	-0.0087896	0.00968125	0.3639313	0.9706268	20	0.840274
ENSG00000136883	9	KIF12	116848406	rs7856692	9	116866605	A	G	0.258449	-0.0051667	0.0096973	0.594176	-0.450728	0.0501598	2.57E-19	0.0114629	0.0215525	0.5948225	0.7170175	10	0.90256737
ENSG00000233569	9	RP11-500B12.1	120410884	rs10818058	9	120409035	G	A	0.2833	-0.0088953	0.00901373	0.32371	-0.597006	0.0997711	2.18E-09	0.0148999	0.0153022	0.3302012	0.1438675	9	0.82863501
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.10856	0.0624355	1.57E-70	-0.0079654	0.00737582	0.2801728	0.6050752	20	0.79003956
ENSG00000056558	9	TRAF1	123664671	rs2159778	9	123678129	A	G	0.633201	0.0121196	0.00810761	0.134955	0.366663	0.0462196	2.14E-15	0.0330538	0.022501	0.1418354	0.1925166	11	0.68030142
ENSG00000136856	9	SLC2A8	130159421	rs4837147	9	130125645	G	T	0.252485	-0.001598	0.00851816	0.85119	-0.593833	0.0729377	3.90E-16	0.00269101	0.0143482	0.851229	0.6534688	20	0.98477574
ENSG00000197958	9	RPL12	130209953	rs4641163	9	130194536	C	G	0.633201	0.00708023	0.00859635	0.410148	0.424618	0.0373351	5.69E-30	0.0166744	0.0202979	0.4113725	0.2432621	20	0.86233989
ENSG00000187024	9	PTRH1	130455257	rs504434	9	130477768	A	G	0.555666	-0.0031576	0.00825921	0.702226	-0.397092	0.0567735	2.67E-12	0.00795191	0.0208303	0.7026486	0.00542619	13	0.94255443
ENSG00000136908	9	DPM2	130697378	rs2274426	9	130707081	G	A	0.870775	0.0110131	0.0120252	0.359754	-0.790274	0.0737655	8.81E-27	-0.0139358	0.015272	0.3615019	0.1288582	18	0.840274
ENSG00000228510	9	RP11-339B21.8	131206866	rs10987987	9	131197305	C	T	0.232604	-0.0033245	0.00938004	0.723026	-0.48537	0.0630732	1.41E-14	0.00684931	0.019346	0.7233073	0.8609458	20	0.94540164
ENSG00000136811	9	ODF2	131217465	rs113332436	9	131205407	G	A	0.245527	-0.0090965	0.00952087	0.339363	0.438145	0.0689645	2.11E-10	-0.0207613	0.0219743	0.3447603	0.06698826	3	0.83501439
ENSG00000167136	9	ENDOG	131580753	rs9408984	9	131652063	T	C	0.66998	-0.0050515	0.00904424	0.576481	0.426351	0.0521663	3.01E-16	-0.0118482	0.0212626	0.5773685	0.1404472	18	0.89834695
ENSG00000175287	9	PHYHD1	131683174	rs55758160	9	131685015	G	A	0.410537	0.00364907	0.00834004	0.661723	-0.309052	0.038214	6.09E-16	-0.0118073	0.0270253	0.6621858	0.4669386	6	0.93065748
ENSG00000095321	9	CRAT	131857089	rs3118639	9	131855603	A	G	0.242545	0.0128911	0.00963364	0.180851	-0.247794	0.0451078	3.94E-08	-0.0520235	0.0400144	0.1935607	0.8217649	9	0.70945692
ENSG00000119383	9	PPP2R4	131873229	rs3118634	9	131905854	A	G	0.0666004	0.0142712	0.014651	0.330017	-0.393638	0.0561967	2.48E-12	-0.0362546	0.0375776	0.3346486	0.01436162	7	0.83123963
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.65442	0.15316	3.37E-27	0.00817991	0.00889726	0.3579004	0.103754	20	0.840274
ENSG00000204055	9	RP11-247A12.2	131939050	rs3118634	9	131905854	A	G	0.0666004	0.0142712	0.014651	0.330017	1.24935	0.144798	6.23E-18	0.0114229	0.0118014	0.3330802	0.2221366	17	0.83015198
ENSG00000136816	9	TOR1B	132565432	rs2296793	9	132585058	A	G	0.275348	-0.000168	0.00942059	0.985769	0.399784	0.067973	4.07E-09	-0.0004203	0.0235643	0.9857693	0.5594313	6	0.99595203
ENSG00000136827	9	TOR1A	132575223	rs12634	9	132573536	T	G	0.272366	0.00072973	0.00943197	0.938331	-0.230213	0.0416901	3.35E-08	-0.0031698	0.0409746	0.9383367	0.784584	4	0.99347767
ENSG00000160539	9	PPAPDC3	134165081	rs2478861	9	134176180	C	T	0.748509	0.00543355	0.00993841	0.584569	0.213452	0.0375459	1.31E-08	0.0254556	0.0467752	0.5862959	0.6201768	3	0.90003566
ENSG00000130714	9	POMT1	134378289	rs77176471	9	134388562	T	C	0.146123	-0.0146633	0.0111191	0.187251	-0.553831	0.073018	3.33E-14	0.0264761	0.0203779	0.1938557	0.8479453	19	0.70945692
ENSG00000125485	9	DDX31	135468384	rs306556	9	135502173	C	A	0.491054	0.0143495	0.00828885	0.08342	-0.525966	0.0685389	1.67E-14	-0.0272822	0.0161553	0.09126867	0.6877353	16	0.64948716
ENSG00000165695	9	AK8	135600965	rs2772007	9	135731101	G	A	0.797217	-0.006371	0.0106994	0.551543	0.845888	0.0834746	3.92E-24	-0.0075317	0.0126705	0.5522261	0.5927337	20	0.88897244
ENSG00000165699	9	TSC1	135766735	rs9696501	9	135783754	A	G	0.144135	-0.0104169	0.0123331	0.398316	-0.40466	0.05725	1.57E-12	0.0257424	0.0306945	0.4016584	0.604279	7	0.85364306
ENSG00000175164	9	ABO	136125788	rs574347	9	136135659	C	T	0.22167	0.0141234	0.0105511	0.180709	-0.657809	0.0855196	1.45E-14	-0.0214704	0.0162808	0.1872521	0.2853943	10	0.70253861
ENSG00000148296	9	SURF6	136197552	rs2269894	9	136232758	C	T	0.395626	-0.0063667	0.00806919	0.430106	-0.332924	0.0566378	4.15E-09	0.0191235	0.0244547	0.4342166	0.126032	5	0.86418667
ENSG00000148290	9	SURF1	136218610	rs658517	9	136222490	A	G	0.534791	-0.0029094	0.00824555	0.724204	0.714273	0.0663811	5.31E-27	-0.0040732	0.0115502	0.7243469	0.3245524	20	0.94540164
ENSG00000148300	9	REXO4	136271186	rs3124750	9	136266086	C	G	0.399602	-0.0078248	0.00806927	0.332193	-0.332509	0.0479964	4.27E-12	0.0235327	0.0245044	0.3368822	0.5257176	15	0.83233161
ENSG00000160323	9	ADAMTS13	136279478	rs3124776	9	136284450	T	C	0.523857	-0.0056877	0.00819823	0.487827	0.432958	0.0525464	1.73E-16	-0.0131368	0.0190024	0.4893626	0.4057813	20	0.86806745
ENSG00000197859	9	ADAMTSL2	136397286	rs11560805	9	136415945	A	T	0.906561	-0.0014411	0.0125125	0.908307	-0.676721	0.107717	3.33E-10	0.00212955	0.018493	0.9083228	0.5635709	6	0.98739907
ENSG00000123454	9	DBH	136501482	rs1611115	9	136500515	C	T	0.790258	0.00384597	0.0107652	0.720898	0.698201	0.074201	4.98E-21	0.0055084	0.0154296	0.7210901	0.2187757	8	0.94509525
ENSG00000225756	9	DBH-AS1	136519708	rs2097629	9	136519700	G	A	0.409543	0.0184435	0.00840488	0.0282079	-0.467634	0.0566577	1.54E-16	-0.03944	0.0185976	0.03394638	0.5780964	10	0.46036171
ENSG00000123453	9	SARDH	136528682	rs9409879	9	136535200	G	C	0.149105	-0.0107656	0.0115732	0.352261	-0.405192	0.0607397	2.54E-11	0.0265691	0.0288386	0.3568917	0.2647385	9	0.840274

ENSG00000169925	9	BRD3	136895427	rs10821546	9	136934237	T	C	0.370775	0.0224542	0.00825968	0.00655722	-0.343617	0.0569109	1.56E-09	-0.0653466	0.0263616	0.01318053	0.6359558	7	0.3603961
ENSG00000225361	9	PPP1R26-AS1	138354573	rs2777323	9	138364389	C	T	0.477137	-0.0002026	0.00846575	0.980904	0.547779	0.0632026	4.44E-18	-0.0003699	0.0154547	0.9809045	0.3533133	4	0.99550269
ENSG00000160349	9	LCN1	138413284	rs56239374	9	138415201	G	C	0.429423	0.00418798	0.00812191	0.606107	0.989901	0.0720054	5.27E-43	0.00423071	0.00821054	0.6063591	0.6992693	16	0.90555682
ENSG00000122136	9	OBP2A	138437985	rs3762079	9	138437526	A	G	0.0298211	-0.0146655	0.0240248	0.541575	1.60967	0.218216	1.62E-13	-0.0091109	0.0149763	0.5429539	0.1508251	4	0.88612583
ENSG00000107147	9	KCNT1	138594031	rs11103190	9	138679895	C	T	0.235586	-0.0154482	0.0108632	0.155007	-0.455561	0.0462536	6.91E-23	0.0339103	0.024093	0.1592874	0.7064864	20	0.68549033
ENSG00000160360	9	GPSM1	139221932	rs10870201	9	139257147	C	G	0.466203	0.00639644	0.00806659	0.427805	-0.299363	0.041342	4.45E-13	-0.0213668	0.0271069	0.4305549	0.4444663	20	0.86418667
ENSG00000213221	9	DNLZ	139253932	rs75472867	9	139303352	C	G	0.0357853	0.00404077	0.0192739	0.833942	1.76327	0.223038	2.66E-15	0.00229163	0.0109346	0.8339985	0.9394971	7	0.9781418
ENSG00000187796	9	CARD9	139256355	rs140876101	9	139257903	A	G	0.0347913	-0.0033135	0.0360195	0.926705	0.815659	0.147543	3.23E-08	-0.0040623	0.0441661	0.9267151	0.3428882	6	0.99241703
ENSG00000148384	9	INPP5E	139323071	rs10781540	9	139321836	A	G	0.414513	-0.0014376	0.00851806	0.865976	-0.389461	0.0559935	3.51E-12	0.00369128	0.0218778	0.866015	0.2692666	20	0.98554401
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-1.02194	0.0893606	2.76E-30	-0.0080184	0.0155828	0.6068587	0.1409027	5	0.90555682
ENSG00000204001	9	LCN8	139648838	rs1108607	9	139648721	C	T	0.654076	0.00592087	0.00848703	0.485405	-0.612876	0.0835688	2.24E-13	-0.0096608	0.0139104	0.4873673	0.01713033	12	0.86806745
ENSG00000177984	9	LCN15	139654086	rs11145876	9	139663458	G	A	0.770378	-0.0153388	0.00872395	0.0787082	-0.957382	0.0831032	1.04E-30	0.0160216	0.00921781	0.08219073	0.7443362	20	0.62962469
ENSG00000228544	9	KIAA1984-AS1	139698379	rs2484661	9	139709976	T	C	0.802187	0.00268249	0.0109359	0.806231	-0.453211	0.0708658	1.60E-10	-0.0059189	0.0241476	0.8063698	0.3563432	9	0.96661161
ENSG00000184925	9	LCN12	139844003	rs10870148	9	139844504	C	T	0.675944	0.00232452	0.00825746	0.778323	-0.416809	0.0635407	5.39E-11	-0.0055769	0.0198294	0.7785213	0.6788403	20	0.95939787
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-1.04495	0.147548	1.42E-12	-0.0034257	0.0224388	0.8786606	0.9776369	16	0.98658093
ENSG00000148362	9	C9orf142	139886870	rs10870159	9	139887042	C	G	0.676938	0.00447453	0.00849182	0.598248	0.26301	0.0353511	1.01E-13	0.0170128	0.0323679	0.5991621	0.546448	20	0.90385749
ENSG00000180539	9	C9orf139	139921916	rs7025728	9	139932927	A	G	0.32505	-0.0115394	0.00851594	0.175407	-0.393769	0.0673256	4.95E-09	0.029305	0.0221996	0.1868115	0.9724261	14	0.70253861
ENSG00000186193	9	SAPCD2	139956581	rs4880086	9	139960177	T	C	0.223658	-0.0125115	0.00900102	0.164527	-0.508961	0.0707064	6.10E-13	0.0245824	0.0180118	0.1723172	0.1989891	12	0.6962068
ENSG00000268996	9	AL807752.1	139980807	rs3750518	9	139982868	T	C	0.398608	0.00018779	0.00829081	0.981929	0.42453	0.0544566	6.40E-15	0.00044235	0.0195295	0.9819291	0.8711457	9	0.99550269
ENSG00000177239	9	MAN1B1	139981379	rs7467320	9	139956356	A	G	0.675944	0.0115537	0.00848343	0.173224	-0.24241	0.0403781	1.93E-09	-0.0476618	0.0358854	0.1841229	0.3467576	20	0.6981016
ENSG00000176978	9	DPP7	140004994	rs13631	9	140006202	A	G	0.394632	-0.0034121	0.0082857	0.680486	-0.280054	0.0388878	5.95E-13	0.0121836	0.0296344	0.6809776	0.773449	10	0.93372697
ENSG00000188986	9	NELFB	140149625	rs9802698	9	140161909	T	G	0.728628	-0.0013742	0.00893065	0.87771	0.384737	0.0401661	9.83E-22	-0.0035718	0.0232153	0.8777252	0.00290982	10	0.98658093
ENSG00000130653	9	PNPLA7	140354404	rs2254149	9	140441177	G	A	0.456262	0.00310473	0.00833949	0.709674	0.582931	0.059041	5.43E-23	0.00532607	0.0143163	0.7098719	0.00385643	12	0.94335681
ENSG00000182154	9	MRPL41	140445651	rs10746563	9	140444078	C	T	0.447316	0.00739088	0.00829792	0.373095	-0.313321	0.0529872	3.36E-09	-0.0235888	0.0267825	0.3784505	0.8516344	3	0.84640362
ENSG00000165724	9	ZMYND19	140476531	rs4979655	9	140576488	C	T	0.298211	0.00929445	0.00843224	0.270352	-0.276892	0.0484563	1.10E-08	-0.0335671	0.0310146	0.2791192	0.02932591	18	0.78971339
ENSG00000148408	9	CACNA1B	140772241	rs12001881	9	141014140	C	G	0.385686	-0.0061427	0.00916197	0.502566	0.209291	0.0272723	1.67E-14	-0.0293501	0.043943	0.504189	0.5034869	20	0.87277819
ENSG00000159247	9	TUBBP5	141044565	rs9410166	9	141027783	A	G	0.481113	-0.0026651	0.00855153	0.755306	-0.586154	0.0668475	1.81E-18	0.00454676	0.0145984	0.7554546	0.2759908	19	0.9539366
ENSG00000225140	10	RP11-809C18.3	674578	rs1769236	10	734229	T	G	0.90159	0.023173	0.0137279	0.0914071	0.474035	0.0614754	1.25E-14	0.0488846	0.0296455	0.09915312	0.389486	15	0.65086925
ENSG00000107959	10	PITRM1	3179920	rs76088740	10	3193412	T	C	0.0447316	0.0123085	0.0179728	0.493445	-1.65437	0.17043	2.81E-22	-0.00744	0.0108908	0.4945169	0.6369727	20	0.8680695
ENSG00000237399	10	PITRM1-AS1	3183824	rs7898290	10	3188812	C	G	0.658052	-0.0002183	0.00847057	0.979437	-0.766881	0.0750061	1.54E-24	0.00028469	0.0110455	0.9794375	0.9936062	20	0.99550269
ENSG00000187134	10	AKR1C1	4934796	rs12569724	10	4992242	T	A	0.298211	0.00207096	0.00828384	0.802587	0.753845	0.110771	1.01E-11	0.0027472	0.0109962	0.8027177	0.6237902	7	0.96594298
ENSG00000151632	10	AKR1C2	5029967	rs71477878	10	4978744	A	G	0.133201	-0.004948	0.0120053	0.680227	1.11907	0.133481	5.13E-17	-0.0044215	0.0107409	0.6805929	0.6683192	13	0.93372697
ENSG00000196372	10	ASB13	5680830	rs4747997	10	5708077	T	G	0.22664	0.0151296	0.0100955	0.133963	0.305927	0.0453382	1.50E-11	0.0494549	0.0338038	0.1434677	0.1620727	7	0.68107362
ENSG00000151657	10	KIN	7792925	rs11255360	10	7819292	C	G	0.248509	0.0122735	0.00995026	0.217395	0.443438	0.0758591	5.05E-09	0.0276781	0.022933	0.2274674	0.5756268	9	0.74543747
ENSG00000225383	10	SFTA1P	10826400	rs7070632	10	10850543	A	G	0.579523	-0.0148435	0.00809299	0.0666377	-0.577219	0.0752091	1.66E-14	0.0257155	0.0144155	0.07444215	0.7824441	20	0.60886527
ENSG00000134463	10	ECHDC3	11784365	rs10906019	10	11839030	A	T	0.451292	-0.0034899	0.00819368	0.670165	-0.42996	0.0743406	7.31E-09	0.00811671	0.0191084	0.6710038	0.7337004	11	0.93280877
ENSG00000086475	10	SEPHS1	13359424	rs7083997	10	13384554	A	C	0.0725646	0.0247286	0.0142381	0.0824233	-0.414998	0.068934	1.74E-09	-0.0595873	0.035708	0.09516978	0.7623241	4	0.65086925
ENSG00000176236	10	C10orf111	15137384	rs11259482	10	15134999	A	T	0.193837	-0.0001997	0.0108688	0.985341	-0.598962	0.0963653	5.12E-10	0.0003334	0.0181461	0.9853412	0.3826138	14	0.99595203
ENSG00000225213	10	RP11-197M22.2	16763351	rs6602147	10	16728796	G	C	0.49006	0.0059774	0.00808884	0.459926	0.513369	0.0835833	8.15E-10	0.0116435	0.01587	0.4631452	0.9776513	14	0.86418667
ENSG00000026025	10	VIM	17270258	rs9423960	10	17017510	C	G	0.404573	0.00213013	0.00844034	0.800751	0.213717	0.0370763	8.20E-09	0.00996706	0.0395309	0.800938	0.8191076	7	0.965513
ENSG00000226083	10	SLC39A12-AS1	18290715	rs11012783	10	18425418	G	A	0.420477	-0.0124368	0.00811649	0.125452	0.777808	0.0823337	3.49E-21	-0.0159895	0.0105715	0.1304013	0.5983787	20	0.66823977
ENSG00000240291	10	RP11-499P20.2	18802044	rs7088091	10	18804094	C	T	0.371769	-0.0021429	0.00851129	0.801214	0.504368	0.0690008	2.68E-13	-0.0042488	0.0168852	0.8013294	0.1095621	20	0.965513
ENSG00000241058	10	NSUN6	18834490	rs7071897	10	18933802	A	G	0.537773	-0.0090923	0.00805408	0.258936	0.43614	0.0483666	1.93E-19	-0.0208473	0.0186109	0.2626437	0.0867072	20	0.77898915
ENSG00000204740	10	C10orf112	19492779	rs12218651	10	19771665	A	G	0.266402	-0.0045759	0.00873918	0.600554	-0.541493	0.0910226	2.70E-09	0.00845047	0.0162014	0.6019575	0.02953279	20	0.90414306
ENSG00000150867	10	PIP4K2A	22823778	rs9783154	10	22827411	C	A	0.307157	0.00105457	0.00869553	0.903471	-0.202089	0.032264	3.76E-10	-0.0052183	0.0430363	0.9034894	0.6054012	20	0.98658093
ENSG00000254635	10	WAC-AS1	28811581	rs61848475	10	28821444	A	G	0.224652	0.00318116	0.0105645	0.763324	0.32701	0.0504082	8.74E-11	0.00972802	0.0323411	0.7635716	0.4195203	17	0.95503813
ENSG00000224597	10	PTCHD3P1	29698331	rs7096194	10	29768353	G	C	0.462227	-0.0129609	0.00807173	0.108336	0.510476	0.083076	8.01E-10	-0.0253898	0.0163431	0.1202924	0.107948	7	0.66369299
ENSG00000259994	10	RP11-305E6.4	30591755	rs1781279	10	30641459	T	C	0.293241	0.00115169	0.00898312	0.897986	-0.412898	0.0606983	1.03E-11	-0.0027893	0.0217601	0.898004	0.7251425	11	0.98658093
ENSG00000216937	10	CCDC7	32735068	rs2488331	10	33223764	T	C	0.654076	-0.0040786	0.00850665	0.631613	-0.404755	0.0664941	1.15E-09	0.0100767	0.0210819	0.6326663	0.5747083	18	0.91979557
ENSG00000273038	10	RP11-479G22.8	33176189	rs12413584	10	33175619	C	G	0.475149	0.0027863	0.00807385	0.730019	0.448302	0.0747929	2.05E-09	0.00621523	0.0180397	0.7304468	0.1326578	20	0.94942877
ENSG00000233200	10	RP11-324I22.2	35508822	rs4934745	10	35577610	T	C	0.341948	0.0012982	0.00888507	0.883834	0.863892	0.0951323	1.08E-19	0.00150273	0.0102863	0.8838493	0.9773558	14	0.98658093
ENSG00000271335	10	RP11-324I22.4	35603480	rs1078942	10	35822780	A	G	0.323062	0.00250107	0.00893319	0.779496	0.399182	0.0613732	7.81E-11	0.00626549	0.0223995	0.7796954	0.9817236	14	0.95950689
ENSG00000226578	10	RP11-258F22.1	38064299	rs12262446	10	38012307	T	C	0.10338	0.00972068	0.015207	0.522677	-0.927401	0.148581	4.33E-10	-0.0104816	0.0164832	0.5248429	0.7559509	7	0.88362315
ENSG00000175395	10	ZNF25	38238500	rs1005278	10	38218748	A	G	0.597416	-0.0042421	0.00884689	0.631582	-0.176838	0.0286408	6.64E-10	0.0239886	0.0501789	0.6326058	0.9088716	8	0.91979557
ENSG00000272983	10	RP11-508N22.12	38426265	rs111997510	10	39095859	T	C	0.0815109	0.00703126	0.0157496	0.655279	-1.26403	0.191603	4.19E-11	-0.0055626	0.0124883	0.656015	0.9885962	5	0.92753488
ENSG00000215146	10	RP11-313J2.1	42827314	rs9326498	10	42700558	G	A	0.457256	0.0147225	0.00805053	0.0674357	1.01769	0.0837025	5.18E-34	0.0144666	0.00799957	0.07054122	0.8121119	20	0.59920048
ENSG00000182632	10	CCNYL2	42903616	rs56125863	10	43175055	T	C	0.219682	0.0151498	0.00949198	0.110476	0.718289	0.086309	8.63E-17	0.0210915	0.0134555	0.1169986	0.1656982	20	0.66335906
ENSG00000185904	10	LINC00839	42970991	rs2184238	10	43151039	G	A	0.645129	0.00338483	0.00861168	0.694282	-0.665886	0.0805508	1.38E-16	-0.0050832	0.0129473	0.6946094	0.05229382	20	0.94090446
ENSG00000196693	10	ZNF33B	43084555	rs210285	10	43079348	G	A	0.835984	-0.0113266	0.0092972	0.223116	-0.429789	0.0635399	1.34E-11	0.0263539	0.0219801	0.2305324	0.8028474	10	0.74639099
ENSG00000165733	10	BMS1	43278249	rs2506105	10	43324000	G	A	0.284294	0.00054293	0.0092203	0.953045	0.508946	0.0715276	1.12E-12	0.00106676	0.0181171	0.9530464	0.2157429	20	0.99347767
ENSG00000169826	10	CSGALNACT2	43633934	rs1270015	10	43698240	T	G	0.170974	0.00892233	0.0101671	0.38018	0.832722	0.0645269	4.22E-38	0.0107147	0.0122377	0.3812765	0.04970395	20	0.84640362
ENSG00000230555	10	RP11-517P14.2	43916186	rs2999222	10	43988635	C	T	0.88668	-0.0216666	0.0128458	0.0916685	1.05561	0.11082	1.64E-21	-0.0205252	0.0123584	0.0967471	0.1504205	9	0.65086925
ENSG00000012779	10	ALOX5	45869661	rs11239496	10	45876385	G	A	0.12326	-0.0108008	0.0110647	0.328989	0.753991	0.0969442	7.39E-15	-0.0143248	0.01479	0.3327694	0.9891798	20	0.83015198
ENSG00000172661	10	FAM21C	46222648	rs565409446	10	46237433	A	G	0.0944334	0.0105239	0.0136797	0.441708	-0.888108	0.0964436	3.30E-20	-0.0118498	0.0154569	0.4432973	0.6749098	8	0.86418667
ENSG00000188234	10	AGAP4	46321042	rs2279435	10	45923528	A	C	0.558648	0.00046839	0.00813579	0.95409	0.654487	0.0988532	3.57E-11	0.00071566	0.0124313	0.9540916	0.5548159	19	0.99347767
ENSG00000204177	10	BMS1P1	46737612	rs559593662	10	47360126	T	C	0.0109344	0.00975614	0.0664379	0.883254	-2.1006	0.320791	5.82E-11	-0.0046445	0.031636	0.8832827	0.6456009	3	0.98658093
ENSG00000204172	10	AGAP10	47191844	rs57959939	10	47386073	A	C	0.243539	-0.0004369	0.00974389	0.96424	-0.800703	0.0945481	2.48E-17	0.00054559	0.0121693	0.9642403	0.8699019	3	0.99395853
ENSG00000251079	10	BMS1P2	47228366	rs57959939	10	47386073	A	C	0.243539	-0.0004369	0.00974389	0.96424	-0.706788	0.10677	3.60E-11	0.00061809	0.0137865	0.9642406	0.1940999	6	0.99395853
ENSG00000170324	10	FRMPD2	49364601	rs769009	10	49390449	T	G	0.624254	0.00048934	0.00845063	0.953823	-0.648204	0.0658142	6.92E-23	-0.0007549	0.0130372	0.9538243	0.04487832	7	0.99347767
ENSG00000165633	10	VSTM4	50222290	rs2725199	10	50215461	T	C	0.785288	0.00405052	0.0108074	0.707815	0.369892	0.0624025	3.08E-09	0.0109505	0.0292761	0.7083713	0.9187264	14	0.94335125
ENSG00000204152	10	TIMM23B	51371390	rs61848261	10	51748721	T	C	0.270378	0.00267594	0.00959291	0.780283	0.614569	0.0613197	1.22E-23	0.00435417	0.0156152	0.7803662	0.6318297	20	0.96001701
ENSG00000204149	10	AGAP6	51748078	rs2664645	10	51054651	T	C	0.33002	0.00579119	0.00846499	0.49389	-0.309814	0.047194	5.21E-11	-0.0186925	0.0274708	0.4962201	0.80058	14	0.86872655
ENSG00000188611	10	ASAH2	51942538	rs9732483	10	52521538	G	A	0.750497	0.00179933	0.00851148	0.832575	1.09341	0.0770997	1.19E-45	0.00164561	0.00778521	0.8325932	0.6117831	20	0.9781418
ENSG00000204147	10	ASAH2B	52499078	rs67440360	10	52508516	T	C	0.347913	-0.0005871	0.00840555	0.944312	-0.435062	0.051358	2.43E-17	0.00134956	0.019321	0.9443135	0.2421109	20	0.99347767
ENSG00000185532	10	PRKG1	52750945	rs9415733	10	52914107	C	G	0.503976	-0.0183587	0.00808102	0.0230972	-0.362639	0.0455318	1.66E-15	0.0506253	0.0231728	0.02891159	0.3809687	14	0.4404424
ENSG00000108064	10	TFAM	60144782	rs12259591	10	60158385	A	G	0.26839	0.00239045	0.0104916	0.819768	-0.243885	0.0427704	1.18E-08	-0.0098016	0.043053	0.8199086	0.07717783	6	0.97259053
ENSG00000183346	10	C10orf107	63422719	rs12765373	10	63432048	A	T	0.0854871	-0.0191766	0.0112911	0.0894376	1.41044	0.1103	1.93E-37	-0.0135962	0.00807568	0.09225957	0.4412395	19	0.65086925
ENSG00000182010	10	RTKN2	63942794	rs12357210	10	64128089	T	C	0.629225	-0.0065022	0.00854607	0.446754	0.251845	0.0446317	1.67E-08	-0.0258181	0.0342409	0.4508407	0.5943166	9	0.86418667
ENSG00000232075	10	MRPL35P2	65394077	rs12218613	10	65390634	C	T	0.606362	0.00687452	0.00875405	0.43228	-0.468939	0.0810565	7.24E-09	-0.0146597	0.018839	0.4364748	0.8635365	6	0.86418667
ENSG00000228065	10	RP11-222A11.1	67330096	rs80074217	10	67330226	G	A	0.028827	-0.0086712	0.0252387	0.731171	1.91849	0.259016	1.29E-13	-0.0045198	0.0131696	0.7314482	0.9864728	7	0.94945828
ENSG00000108176	10	DNAJC12	69556427	rs16924888	10	69575572	A	G	0.129225	-0.0138057	0.0122689	0.260481	-0.343273	0.0599144	1.01E-08	0.0402178	0.0364237	0.2695213	0.8865085	5	0.78302173
ENSG00000108187	10	PBLD	70042417	rs4142049	10	70044452	A	C	0.198807	-0.0023135	0.00913403	0.800049	0.495446	0.0619006	1.21E-15	-0.0046695	0.0184452	0.800147	0.6254862	20	0.965513
ENSG00000138346	10	DNA2	70173821	rs10998215	10	70241049	T	C	0.106362	-0.0090521	0.0116989	0.439072	-0.752217	0.0906797	1.08E-16	0.0120339	0.0156201	0.4410544	0.6611255	18	0.86418667
ENSG00000122912	10	SLC25A16	70237756	rs61856499	10	70311875	A	G	0.119284	-0.0022665	0.01106	0.83763	0.5841	0.0907405	1.22E-10	-0.0038803	0.0189447	0.8377111	0.3023685	8	0.98018606
ENSG00000099282	10	TSPAN15	71211229	rs10823398	10	71270363	A	C	0.446322	0.00470692	0.00822371	0.567078	0.203305	0.0317281	1.48E-10	0.023152	0.0406112	0.5686167	0.4411739	17	0.89834695
ENSG00000042286	10	AIFM2	71857979	rs6480442	10	71900246	T	C	0.406561	0.00746552	0.00815519	0.359966	-0.645252	0.0580776	1.12E-28	-0.0115699	0.0126816	0.3615897	0.483238	20	0.840274
ENSG00000079332	10	SAR1A	71907045	rs10999165	10	71919271	A	G	0.441352	0.00124241	0.00805846	0.877472	0.425988	0.0554224	1.52E-14	0.00291654	0.0189209	0.8774965	0.08260055	12	0.98658093
ENSG00000180817	10	PPA1	71962586	rs7077538	10	71993094	G	T	0.365805	0.00981305	0.00820366	0.231626	0.372035	0.0504708	1.69E-13	0.0263767	0.0223392	0.2377083	0.8455024	20	0.75264543
ENSG00000172731	10	LRRC20	72058729	rs115679154	10	72142344	A	G	0.0377734	-0.0394982	0.0356536	0.267935	-0.639734	0.0876403	2.89E-13	0.0617416	0.0563701	0.2733897	0.6121644	4	0.78596916
ENSG00000138316	10	ADAMTS14	72432559	rs7095992	10	72428563	C	T	0.237575	0.00912258	0.00906893	0.314456	0.525253	0.0540773	2.65E-22	0.017368	0.0173582	0.3170375	0.7124018	20	0.81665079
ENSG00000166321	10	NUDT13	74870217	rs112745577	10	74936893	T	C	0.0586481	-0.0064903	0.0188815	0.731041	-0.981109	0.166301	3.64E-09	0.0066153	0.0192777	0.7314795	0.5882157	5	0.94945828
ENSG00000213551	10	DNAJC9	74943120	rs7914512	10	74721067	G	T	0.0109344	0.282044	0.126514	0.0257905	-0.985589	0.180686	4.91E-08	-0.286168	0.138671	0.03905105	0.03185129	4	0.48761744
ENSG00000196968	10	FUT11	75532049	rs10824032	10	75528130	A	G	0.625249	0.0134929	0.00807898	0.0948943	0.437935	0.0706387	5.66E-10	0.0308103	0.0191056	0.1068241	0.6886696	6	0.65086925
ENSG00000035403	10	VCL	75757872	rs767809	10	75865065	A	G	0.591451	-0.011575	0.00808653	0.152318	0.26861	0.0457002	4.16E-09	-0.0430922	0.030985	0.1643025	0.6791814	6	0.68549033
ENSG00000148655	10	C10orf11	77360998	rs11001777	10	78187034	A	C	0.345924	-0.0160472	0.00851628	0.0595251	-0.571477	0.0770008	1.16E-13	0.0280802	0.015375	0.06779718	0.4147984	5	0.59477339
ENSG00000151208	10	DLG5	79550549	rs10762765	10	79566407	C	T	0.338966	0.00069022	0.00905937	0.939269	0.500751	0.061115	2.54E-16	0.00137837	0.0180923	0.9392719	0.7301872	9	0.99347767
ENSG00000138326	10	RPS24	79793518	rs2434126	10	79888056	C	T	0.393638	-0.0046339	0.00842964	0.582519	-0.183753	0.0314035	4.88E-09	0.0252179	0.0460768	0.5841723	0.446312	7	0.89957103
ENSG00000224596	10	ZMIZ1-AS1	80703085	rs10824709	10	80808527	C	T	0.654076	0.0173416	0.00832037	0.037139	-0.687936	0.0968537	1.22E-12	-0.0252082	0.0126046	0.04550993	0.6004255	3	0.5259893
ENSG00000244733	10	RP11-506M13.3	81420647	rs1626423	10	81427138	G	C	0.201789	0.00668071	0.00894517	0.455154	-0.492603	0.0878792	2.08E-08	-0.0135621	0.0183195	0.4591125	0.9945725	7	0.86418667
ENSG00000188199	10	NUTM2B	81462983	rs11195631	10	81572274	T	C	0.659046	-0.0017714	0.00846014	0.834153	0.782274	0.0931361	4.49E-17	-0.0022644	0.0108182	0.8342037	0.4814132	20	0.9781418
ENSG00000225484	10	RP11-773D16.1	81563813	rs61860578	10	81522920	T	C	0.202783	-0.0035938	0.0116506	0.757727	-0.652464	0.0954948	8.35E-12	0.00550806	0.0178745	0.7579668	0.238026	20	0.95428733
ENSG00000228570	10	NUTM2E	81601114	rs9783140	10	81570079	G	C	0.832008	-0.0090097	0.00948155	0.341991	-1.20785	0.116621	3.89E-25	0.00745931	0.00788291	0.3440141	0.9939512	20	0.83501439
ENSG00000242600	10	MBL1P	81664654	rs45558131	10	81679949	A	G	0.111332	0.0130664	0.0140428	0.352128	0.8155	0.101974	1.27E-15	0.0160226	0.017336	0.3553641	0.9888319	20	0.840274
ENSG00000133661	10	SFTPD	81697496	rs4335482	10	81743578	C	T	0.600398	0.0134926	0.00820332	0.100016	0.655287	0.0838403	5.46E-15	0.0205904	0.0127929	0.1075026	0.213823	20	0.65086925
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	0.771128	0.11669	3.89E-11	0.00856884	0.0162062	0.5969874	0.3239378	9	0.90385749
ENSG00000189129	10	PLAC9	81891438	rs2789679	10	81907884	T	A	0.452286	-0.0132391	0.00811123	0.102638	0.575546	0.0746106	1.22E-14	-0.0230027	0.0144051	0.1103013	0.7715342	20	0.65086925
ENSG00000122359	10	ANXA11	81910645	rs11201989	10	81937705	C	G	0.366799	0.00634532	0.00858781	0.459983	-0.49494	0.0517198	1.07E-21	-0.0128204	0.0174029	0.4613154	0.3088111	20	0.86418667
ENSG00000133665	10	DYDC2	82104501	rs61859195	10	82108889	A	C	0.112326	0.0239032	0.0125008	0.0558586	-0.534588	0.0977423	4.52E-08	-0.0447133	0.0247719	0.07107411	0.9628004	4	0.60077456
ENSG00000148600	10	CDHR1	85954410	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.752635	0.0643304	1.28E-31	-0.0146307	0.0111217	0.188338	0.3406209	20	0.70253861
ENSG00000204033	10	LRIT2	85980254	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.790702	0.0900342	1.60E-18	-0.0139264	0.010638	0.190495	0.2285349	19	0.70304854
ENSG00000148604	10	RGR	86004809	rs2279228	10	86004736	G	A	0.491054	0.00276043	0.0080484	0.731616	0.686937	0.0616897	8.44E-29	0.00401846	0.0117219	0.7317368	0.9848877	19	0.94945828
ENSG00000122375	10	OPN4	88414314	rs3740341	10	88426042	A	G	0.134195	-0.0159441	0.0106156	0.133109	-1.1067	0.125136	9.24E-19	0.0144069	0.00972946	0.1386736	0.7438944	20	0.67926006
ENSG00000107779	10	BMPR1A	88516407	rs6586042	10	88678424	G	A	0.390656	-0.0073676	0.00808486	0.362148	-0.200309	0.0353424	1.45E-08	0.036781	0.0408803	0.368267	0.2646618	5	0.840274
ENSG00000122376	10	FAM35A	88853918	rs10887707	10	88997749	T	C	0.206759	-0.0055719	0.00918875	0.544257	0.517943	0.0842965	8.03E-10	-0.0107578	0.017827	0.5462057	0.04937218	5	0.8868228
ENSG00000184923	10	NUTM2A	88985205	rs2478639	10	89093624	T	G	0.813121	-0.0060517	0.0106655	0.570432	0.840519	0.0988359	1.83E-17	-0.0072	0.0127174	0.5712892	0.9041317	10	0.89834695
ENSG00000224914	10	LINC00863	89102493	rs57119949	10	89144411	T	G	0.133201	-0.0058875	0.0112761	0.601582	-0.732725	0.124602	4.09E-09	0.00803513	0.0154498	0.6030081	0.8000774	4	0.9046329
ENSG00000214562	10	NUTM2D	89117425	rs2475724	10	89136502	A	G	0.210736	0.0122597	0.00977523	0.209784	0.573743	0.092725	6.11E-10	0.0213679	0.0173841	0.21901	0.7842979	6	0.74274316
ENSG00000026103	10	FAS	90750414	rs1926196	10	90753748	C	T	0.468191	0.00966633	0.00808051	0.231598	0.705961	0.0556847	7.85E-37	0.0136924	0.011497	0.2336683	0.7308089	20	0.75006123
ENSG00000152778	10	IFIT5	91174343	rs304450	10	91175412	G	A	0.206759	0.0121223	0.00989596	0.220585	-0.599694	0.0769448	6.50E-15	-0.0202141	0.0167043	0.2262333	0.3383322	11	0.74274316
ENSG00000232229	10	LINC00865	91589267	rs12763878	10	91596427	C	G	0.151093	-0.0089447	0.0110858	0.419746	1.27394	0.0990671	7.62E-38	-0.0070213	0.00871909	0.4206575	0.7855101	20	0.86418667
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.945876	0.0801893	4.12E-32	-0.0013444	0.00921724	0.8840347	0.6947353	20	0.98658093
ENSG00000187553	10	CYP26C1	94821021	rs12256889	10	94827183	C	A	0.671968	-0.0138368	0.00874677	0.113664	0.589542	0.0783062	5.13E-14	-0.0234704	0.0151605	0.1215919	0.4818084	14	0.66369299
ENSG00000148690	10	FRA10AC1	95427640	rs7909452	10	95467509	C	T	0.593439	0.0143573	0.00831018	0.0840466	-0.836599	0.0948257	1.12E-18	-0.0171615	0.010122	0.08998572	0.6211341	18	0.64948716
ENSG00000119977	10	TCTN3	97423158	rs115178468	10	97549796	T	C	0.0526839	-0.0202955	0.0193742	0.294844	0.870212	0.123761	2.05E-12	-0.0233225	0.0225095	0.3001474	0.3609672	7	0.80705301
ENSG00000181274	10	FRAT2	99092255	rs29001262	10	99253302	T	C	0.243539	0.0120706	0.0088447	0.17234	-0.3759	0.0620028	1.34E-09	-0.0321112	0.0241182	0.1830538	0.847504	18	0.69774631
ENSG00000052749	10	RRP12	99116115	rs11189183	10	99144321	G	A	0.336978	-0.0014401	0.00843742	0.864475	0.296614	0.0467865	2.30E-10	-0.0048551	0.0284561	0.8645239	0.1517508	6	0.98554401
ENSG00000171314	10	PGAM1	99185917	rs77309868	10	99195200	T	C	0.05666	0.041998	0.0178285	0.0184897	-0.522384	0.0899494	6.34E-09	-0.0803968	0.0368299	0.02904145	0.6768666	3	0.4404424
ENSG00000171160	10	MORN4	99374310	rs11189303	10	99393234	A	G	0.213718	-0.0270449	0.00977719	0.00567283	-0.566849	0.0476267	1.16E-32	0.0477109	0.017708	0.00705338	0.09759884	9	0.30017552
ENSG00000119943	10	PYROXD2	100143322	rs942813	10	100153608	C	A	0.347913	-0.0096239	0.00816156	0.238332	0.463897	0.0485882	1.33E-21	-0.0207457	0.0177271	0.2418898	0.5377742	15	0.76015979
ENSG00000107521	10	HPS1	100175955	rs10883097	10	100206370	A	C	0.152087	-0.0114816	0.0132946	0.387792	-0.409884	0.0605597	1.30E-11	0.0280118	0.032698	0.3916202	0.4635648	10	0.84859336
ENSG00000095485	10	CWF19L1	101992055	rs12784396	10	102027407	T	C	0.427435	-0.0055387	0.00853414	0.516332	0.769102	0.0588473	4.92E-39	-0.0072016	0.0111099	0.5168485	0.0176172	20	0.87976946
ENSG00000196072	10	BLOC1S2	102033713	rs6584357	10	102050344	T	A	0.0576541	0.00385282	0.017285	0.823614	-0.934955	0.073311	2.99E-37	-0.0041209	0.0184903	0.8236401	0.02622909	15	0.9736055
ENSG00000075826	10	SEC31B	102246399	rs10509744	10	102271579	T	C	0.191849	0.0295779	0.00955345	0.00196119	-0.446396	0.0466949	1.18E-21	-0.0662593	0.0224956	0.00322507	0.6046085	9	0.26263296
ENSG00000186862	10	PDZD7	102767440	rs11597056	10	102791911	A	C	0.217694	0.0109075	0.0105562	0.301475	0.350468	0.0481151	3.24E-13	0.0311227	0.0304218	0.3062904	0.6893597	5	0.81106962
ENSG00000107819	10	SFXN3	102790991	rs807049	10	102798346	C	T	0.360835	0.00940552	0.00822604	0.252879	0.235491	0.0417638	1.71E-08	0.03994	0.0356424	0.2624677	0.3780999	4	0.77898915
ENSG00000269609	10	RP11-18I14.10	104209574	rs1133932	10	104215975	G	A	0.0944334	-0.0058032	0.0179323	0.746229	-1.09402	0.127921	1.21E-17	0.00530444	0.0164029	0.7464048	0.5757647	20	0.95189833
ENSG00000138111	10	TMEM180	104221149	rs11593589	10	104228299	A	C	0.563618	0.0060069	0.00807346	0.456858	-0.30651	0.0523854	4.88E-09	-0.0195977	0.0265521	0.4604616	0.9277088	4	0.86418667
ENSG00000156398	10	SFXN2	104474295	rs11191381	10	104493444	T	C	0.317097	0.00675901	0.0089301	0.449122	0.413992	0.0719084	8.55E-09	0.0163264	0.0217563	0.4530003	0.174736	5	0.86418667
ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.693014	0.0580706	7.87E-33	0.00541781	0.0141858	0.7025224	0.1769543	20	0.94255443
ENSG00000214435	10	AS3MT	104629273	rs12416687	10	104629011	C	T	0.254473	-0.0074018	0.00965458	0.443281	-0.827245	0.0792803	1.73E-25	0.00894757	0.0117022	0.4445073	0.4575595	20	0.86418667
ENSG00000076685	10	NT5C2	104845940	rs12761878	10	104997012	C	G	0.154076	-0.0001594	0.0114711	0.988915	-0.344712	0.0594864	6.84E-09	0.00046233	0.0332774	0.9889153	0.9461724	9	0.99595203
ENSG00000273108	10	RP11-416N2.4	105368376	rs4917392	10	105341214	C	A	0.234592	-0.017927	0.0103695	0.0838398	0.38116	0.0660478	7.88E-09	-0.0470327	0.0283996	0.09770068	0.0511528	4	0.65086925
ENSG00000148834	10	GSTO1	105995114	rs116998616	10	106038831	A	T	0.0178926	0.0454459	0.039093	0.245029	-0.938095	0.160927	5.57E-09	-0.0484449	0.0424933	0.254262	0.8625897	4	0.76749835
ENSG00000065621	10	GSTO2	106028631	rs276204	10	106035313	G	C	0.368787	-0.0128347	0.00868268	0.139355	-0.842904	0.07395	4.26E-30	0.0152268	0.0103872	0.1426701	0.04175286	20	0.68107362
ENSG00000228261	10	RP11-127L20.3	106083127	rs966645	10	106010539	A	G	0.497018	-0.0145394	0.00820938	0.0765491	-0.578525	0.0958488	1.58E-09	0.0251318	0.0147885	0.08923966	0.8149217	20	0.64948716
ENSG00000119950	10	MXI1	111967363	rs10884939	10	111981987	A	G	0.428429	0.00692795	0.00806597	0.390389	-0.202348	0.0368971	4.16E-08	-0.0342378	0.0403478	0.3961224	0.7603846	16	0.85165727
ENSG00000203867	10	RBM20	112404155	rs2840311	10	112513286	C	T	0.39662	0.0073194	0.00807443	0.364676	-0.680814	0.0855405	1.73E-15	-0.010751	0.0119366	0.3677647	0.5914103	4	0.840274
ENSG00000119913	10	TECTB	114043493	rs11195846	10	113985145	T	C	0.0576541	0.0158125	0.0163726	0.334147	1.09302	0.121098	1.78E-19	0.0144668	0.0150647	0.3368999	0.9460736	10	0.83233161
ENSG00000232934	10	RP11-324O2.3	114165977	rs2900946	10	114191550	C	T	0.297217	0.0216002	0.00872005	0.0132465	0.616886	0.0740372	7.94E-17	0.0350149	0.014747	0.01757904	0.6454639	11	0.38453234
ENSG00000165806	10	CASP7	115438942	rs7918733	10	115439394	T	C	0.39662	0.00469551	0.00841353	0.576782	0.355679	0.0410148	4.25E-18	0.0132015	0.0237038	0.5775696	0.4425136	19	0.89834695
ENSG00000234393	10	RP11-211N11.5	115470440	rs7071578	10	115543325	G	T	0.393638	-0.0067031	0.00884003	0.448289	0.832874	0.085041	1.20E-22	-0.0080482	0.0106457	0.449644	0.9933375	19	0.86418667
ENSG00000151892	10	GFRA1	117816444	rs4751955	10	117923225	G	A	0.56163	-0.0123763	0.00821531	0.131942	0.541509	0.0669722	6.19E-16	-0.0228552	0.0154322	0.1386052	0.04639485	12	0.67926006

ENSG00000165650	10	PDZD8	119040000	rs363230	10	119029515	T	C	0.5	0.00710655	0.00806352	0.378144	0.320669	0.0480367	2.46E-11	0.0221616	0.0253641	0.3822603	0.06857401	10	0.84640362
ENSG00000229847	10	EMX2OS	119232726	rs242965	10	119250211	C	T	0.259443	0.00658652	0.00868516	0.448233	0.174694	0.031989	4.73E-08	0.0377032	0.0501935	0.4525584	0.4374462	3	0.86418667
ENSG00000238276	10	RP11-245J24.1	120001076	rs2991221	10	120043180	C	A	0.338966	-0.0098912	0.00951145	0.298373	0.424589	0.0696235	1.07E-09	-0.023296	0.0227249	0.3053021	0.7864311	14	0.81037998
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	1.04359	0.0713761	2.06E-48	0.0106343	0.00784847	0.1754348	0.5335853	20	0.69690219
ENSG00000120008	10	WDR11	122610687	rs1866517	10	122661343	T	C	0.333996	-0.0056778	0.00882711	0.520081	-0.541183	0.0549967	7.55E-23	0.0104914	0.0163456	0.5209707	0.929895	20	0.88179758
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-1.0409	0.0727113	1.75E-46	-0.002901	0.0080677	0.7191625	0.2691198	20	0.94509525
ENSG00000203791	10	METTL10	126436718	rs10901819	10	126458373	A	G	0.54672	-0.0045104	0.00816922	0.580865	-0.414055	0.0562327	1.79E-13	0.0108932	0.0197852	0.5819246	0.8952616	20	0.89957103
ENSG00000188690	10	UROS	127477146	rs4256900	10	127511756	T	C	0.44334	0.0199608	0.00814064	0.0142066	-0.77042	0.0440006	1.22E-68	-0.025909	0.0106696	0.01516984	0.8605447	20	0.37385671
ENSG00000203780	10	FANK1	127585108	rs10794054	10	127706723	G	A	0.645129	0.0146406	0.00913187	0.108881	-0.421924	0.0701944	1.85E-09	-0.0346996	0.0224001	0.1213612	0.5920783	4	0.66369299
ENSG00000180745	10	CLRN3	129676105	rs10830193	10	129706049	G	T	0.587475	0.0124161	0.00807668	0.124226	-0.551661	0.095389	7.33E-09	-0.0225068	0.0151491	0.1373621	0.8881574	4	0.67926006
ENSG00000170430	10	MGMT	131265448	rs1008982	10	131445731	C	T	0.380716	0.0127442	0.00820274	0.120268	-0.676936	0.0707152	1.04E-21	-0.0188263	0.012276	0.1251319	0.6184514	20	0.66377689
ENSG00000108001	10	EBF3	131633547	rs728900	10	131590300	A	T	0.418489	-0.0021998	0.00825507	0.789873	-0.512493	0.0896479	1.09E-08	0.00429229	0.0161252	0.790096	0.3891396	5	0.96301985
ENSG00000188385	10	JAKMIP3	133918175	rs11592585	10	133955427	G	A	0.341948	0.00114395	0.00836815	0.891265	0.651492	0.054091	2.08E-33	0.00175589	0.0128454	0.8912726	0.04693971	20	0.98658093
ENSG00000235010	10	RP11-140A10.3	133994729	rs2818427	10	133978830	C	T	0.803181	-0.0134431	0.0103726	0.19497	-0.648289	0.0922787	2.14E-12	0.0207363	0.0162699	0.2024811	0.5597934	9	0.72583177
ENSG00000151640	10	DPYSL4	134000404	rs2814158	10	134011002	T	C	0.637177	0.00120023	0.00818266	0.883385	-0.353193	0.0452562	5.98E-15	-0.0033982	0.0231718	0.8834053	0.3693343	20	0.98658093
ENSG00000165752	10	STK32C	134020996	rs1873504	10	134002271	T	C	0.805169	-0.0098874	0.0101976	0.332252	-0.285373	0.0436414	6.19E-11	0.0346474	0.036125	0.3375098	0.3768592	5	0.83233161
ENSG00000148814	10	LRRC27	134145614	rs56678407	10	134167502	A	C	0.11829	-0.0091651	0.0115163	0.426127	1.12257	0.0964927	2.78E-31	-0.0081644	0.0102828	0.4272056	0.6627951	17	0.86418667
ENSG00000229081	10	RP11-432J24.6	134334331	rs57472801	10	134322756	G	A	0.422465	-0.0004995	0.00822406	0.951566	0.687052	0.0879073	5.47E-15	-0.0007271	0.0119704	0.9515679	0.08456967	20	0.99347767
ENSG00000171811	10	TTC40	134621896	rs12776902	10	134780983	T	C	0.5	-0.0097784	0.00807035	0.225648	0.296005	0.0482143	8.29E-10	-0.0330346	0.0277901	0.2345509	0.4002415	19	0.751678
ENSG00000232903	10	RP13-137A17.4	134757471	rs146707619	10	134791606	A	G	0.0218688	-0.0023018	0.0409729	0.9552	1.82876	0.189461	4.80E-22	-0.0012587	0.0224051	0.9552007	0.552161	13	0.99347767
ENSG00000240707	10	RP13-137A17.6	134779038	rs5025580	10	134798532	G	A	0.61829	-0.0147172	0.00811315	0.0696787	-0.388565	0.0557395	3.15E-12	0.0378758	0.0215751	0.07916855	0.6752888	11	0.62074989
ENSG00000148832	10	PAOX	135192695	rs4838735	10	135196301	A	C	0.719682	-0.0011442	0.0100029	0.908932	0.536304	0.0716032	6.89E-14	-0.0021335	0.0186537	0.9089433	0.5765486	20	0.98750046
ENSG00000148824	10	MTG1	135207598	rs2297031	10	135232654	T	C	0.222664	-0.0004777	0.010111	0.962318	0.776035	0.0763934	3.04E-24	-0.0006156	0.0130292	0.9623182	0.2966836	13	0.99347767
ENSG00000214279	10	RP11-108K14.4	135267432	rs2249546	10	135258147	T	C	0.67992	0.00023196	0.00889939	0.979206	0.675595	0.0900581	6.30E-14	0.00034334	0.0131727	0.9792059	0.2797911	15	0.99550269
ENSG00000273336	10	OR7M1P	135294742	rs2243619	10	135232934	T	C	0.668986	0.00366769	0.00889301	0.680028	0.517167	0.0893397	7.09E-09	0.00709189	0.0172392	0.6807931	0.5500275	8	0.93372697
ENSG00000130649	10	CYP2E1	135333910	rs7096321	10	135324536	G	A	0.16998	0.00164347	0.0131041	0.900194	-0.608487	0.0960836	2.41E-10	-0.0027009	0.0215398	0.9002133	0.06551935	11	0.98658093
ENSG00000177963	11	RIC8A	207511	rs56232710	11	202072	A	G	0.272366	0.00386327	0.00947595	0.683499	0.400171	0.056411	1.30E-12	0.00965405	0.0237188	0.6839929	0.9755791	12	0.93556083
ENSG00000142082	11	SIRT3	215458	rs4758627	11	280000	A	G	0.379722	0.0008699	0.00826463	0.916173	0.319783	0.050824	3.13E-10	0.00272029	0.0258481	0.9161843	0.9643153	12	0.98848475
ENSG00000185627	11	PSMD13	236546	rs10400248	11	247029	T	C	0.729622	-0.0043732	0.00944716	0.643428	-0.790619	0.0635181	1.45E-35	0.00553135	0.0119573	0.6436577	0.8472177	20	0.92308109
ENSG00000142102	11	ATHL1	289135	rs1060819	11	295527	C	T	0.747515	-0.0131952	0.00907825	0.146085	0.556264	0.0581432	1.10E-21	-0.0237211	0.0165073	0.1507162	0.01939189	19	0.68107362
ENSG00000185201	11	IFITM2	307631	rs2091850	11	304951	T	C	0.242545	-0.0070295	0.0095524	0.461796	0.352498	0.0501194	2.02E-12	-0.0199421	0.0272471	0.4642314	0.0904937	7	0.86418667
ENSG00000251661	11	RP11-326C3.11	318640	rs11246067	11	326564	T	A	0.417495	0.00697197	0.00808765	0.388659	-0.508976	0.0730852	3.30E-12	-0.013698	0.0160113	0.3922623	0.6788994	18	0.8487255
ENSG00000142089	11	IFITM3	319669	rs6421983	11	320394	T	C	0.451292	0.00676262	0.00813634	0.405881	-0.232172	0.0343708	1.43E-11	-0.0291276	0.0353087	0.4094051	0.8192754	9	0.86143571
ENSG00000255328	11	RP11-326C3.12	327171	rs6598042	11	324635	A	G	0.419483	0.00660631	0.00809749	0.414588	0.794992	0.0735003	2.89E-27	0.00830991	0.0102146	0.415911	0.5854479	20	0.86418667
ENSG00000270972	11	RP11-326C3.15	333192	rs11246067	11	326564	T	A	0.417495	0.00697197	0.00808765	0.388659	0.412873	0.0658564	3.63E-10	0.0168865	0.019773	0.3930963	0.4608211	11	0.8487255
ENSG00000182272	11	B4GALNT4	369796	rs11246138	11	371924	C	T	0.432406	-0.005659	0.0082065	0.490459	-0.336287	0.0557861	1.66E-09	0.0168279	0.0245624	0.4932747	0.7373935	7	0.86806745
ENSG00000185187	11	SIGIRR	405716	rs35828848	11	403545	T	C	0.217694	-0.007046	0.00975895	0.47029	-0.580887	0.0525479	2.09E-28	0.0121298	0.0168359	0.4712345	0.5002041	17	0.86418667
ENSG00000174915	11	PTDSS2	448268	rs116101630	11	506826	C	G	0.0974155	-0.0015535	0.0127571	0.903075	-0.380761	0.0584378	7.24E-11	0.00408007	0.0335101	0.9030919	0.512249	17	0.98658093
ENSG00000174775	11	HRAS	532242	rs11246177	11	539080	T	G	0.295229	-0.0051495	0.009443	0.585527	-0.366748	0.0454371	6.94E-16	0.0140411	0.0258066	0.5863806	0.4136924	20	0.90003566
ENSG00000161328	11	LRRC56	537527	rs10902175	11	578996	C	T	0.884692	-0.010538	0.0114419	0.357054	0.699521	0.0969773	5.46E-13	-0.0150646	0.0164896	0.3609354	0.5717982	20	0.840274
ENSG00000069696	11	DRD4	637293	rs702965	11	611868	T	C	0.214712	-0.0007425	0.0109715	0.946041	-0.454173	0.0677007	1.97E-11	0.00163495	0.0241583	0.9460433	0.3111322	20	0.99347767
ENSG00000177042	11	TMEM80	695428	rs12277188	11	688091	T	C	0.492048	-0.0030327	0.0080503	0.706379	-0.818964	0.066428	6.35E-35	0.00370313	0.00983445	0.7065104	0.7456679	20	0.94255443
ENSG00000255284	11	AP006621.5	777578	rs4963156	11	780827	T	C	0.440358	-0.000728	0.0080981	0.928369	0.81946	0.0652384	3.46E-36	-0.0008884	0.00988249	0.9283711	0.21899	20	0.99249094
ENSG00000255142	11	AP006621.6	781645	rs4963156	11	780827	T	C	0.440358	-0.000728	0.0080981	0.928369	0.613572	0.0772768	2.02E-15	-0.0011865	0.0131991	0.9283738	0.3018617	20	0.99249094
ENSG00000177595	11	PIDD	799179	rs28649421	11	799670	C	G	0.640159	0.00953024	0.00874444	0.275774	0.294685	0.0388517	3.33E-14	0.0323404	0.0299786	0.2806844	0.2833849	20	0.79003956
ENSG00000177666	11	PNPLA2	818902	rs7925131	11	820268	G	A	0.692843	0.011214	0.00915735	0.220731	-0.569335	0.0502548	9.43E-30	-0.0196967	0.016178	0.2234148	0.3344022	20	0.74274316
ENSG00000177697	11	CD151	832843	rs28648546	11	833327	G	A	0.7167	-0.0185734	0.010009	0.0635009	0.300612	0.0447479	1.84E-11	-0.0617853	0.0345423	0.07366567	0.8918012	8	0.60818579
ENSG00000254872	11	RP13-870H17.3	1049880	rs72842410	11	1010649	T	C	0.121272	-0.0011634	0.0146544	0.936722	0.788459	0.101453	7.75E-15	-0.0014756	0.0185871	0.9367259	0.1409042	17	0.99347767
ENSG00000117983	11	MUC5B	1244296	rs60268710	11	1267562	T	C	0.28827	-0.0021848	0.00895245	0.807196	1.0253	0.105472	2.45E-22	-0.0021309	0.00873429	0.8072556	0.09516928	20	0.96736388
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.86673	0.0534449	3.81E-59	0.0114829	0.00961036	0.2321461	0.7660559	20	0.74724783
ENSG00000130592	11	LSP1	1874200	rs75957079	11	1892161	A	G	0.0437376	0.00796086	0.0204529	0.697106	1.24949	0.162043	1.25E-14	0.00637129	0.0163898	0.6974729	0.3726515	3	0.9414679
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-1.1662	0.0899247	1.84E-38	-0.0004368	0.00935746	0.9627714	0.5548959	5	0.99347767
ENSG00000226416	11	MRPL23-AS1	2004467	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.929872	0.103014	1.77E-19	-0.0005478	0.0117358	0.9627717	0.7859164	3	0.99347767
ENSG00000232987	11	AC051649.6	2012326	rs61868802	11	1925953	G	A	0.292247	0.00440659	0.00889001	0.62012	0.800249	0.0936508	1.28E-17	0.00550652	0.0111277	0.6207081	0.6012658	3	0.91443861
ENSG00000110665	11	C11orf21	2316875	rs2651837	11	2317914	A	G	0.388668	-0.0091121	0.00829296	0.271865	-0.482061	0.0793572	1.24E-09	0.0189024	0.0174823	0.2795939	0.5594762	8	0.79003956
ENSG00000110651	11	CD81	2397407	rs2651844	11	2341861	T	C	0.779324	0.00092152	0.00879043	0.916509	-0.176639	0.0316183	2.32E-08	-0.005217	0.0497737	0.9165233	0.340358	9	0.98848475
ENSG00000254827	11	SLC22A18AS	2909010	rs413781	11	2925621	T	G	0.619284	-0.0050134	0.00832591	0.547078	-0.558187	0.0721584	1.03E-14	0.0089816	0.0149611	0.5482866	0.4874503	5	0.8868228
ENSG00000110628	11	SLC22A18	2920951	rs386111	11	2933605	G	A	0.776342	-0.0116157	0.0100587	0.248176	-0.61978	0.0798632	8.46E-15	0.0187417	0.0164082	0.2533647	0.9378167	14	0.76664311
ENSG00000236710	11	AC108448.2	3105623	rs2289998	11	3109408	T	C	0.685885	0.00420063	0.00879471	0.632913	0.528405	0.0754642	2.52E-12	0.00794964	0.0166826	0.633701	0.5176393	8	0.92007447
ENSG00000005801	11	ZNF195	3360491	rs739393	11	3399740	C	G	0.791252	0.00690012	0.00989284	0.485499	0.544663	0.0610294	4.47E-19	0.0126686	0.0182186	0.486826	0.8422756	20	0.86806745
ENSG00000167311	11	ART5	3659733	rs115012337	11	3663224	A	G	0.533797	0.00832645	0.00858246	0.331962	0.612658	0.0827596	1.33E-13	0.0135907	0.0141284	0.3360772	0.9087966	7	0.83185621
ENSG00000167325	11	RRM1	4115937	rs2923953	11	4045757	A	G	0.562624	-0.0112026	0.00806421	0.164781	-0.340969	0.0457676	9.33E-14	0.0328552	0.0240585	0.172053	0.1165655	20	0.6962068
ENSG00000167332	11	OR51E2	4701401	rs78708036	11	4755887	G	A	0.139165	0.0126576	0.014244	0.374203	0.894408	0.136273	5.26E-11	0.0141519	0.0160709	0.3785385	0.1845063	7	0.84640362
ENSG00000051009	11	FAM160A2	6232565	rs17238727	11	6240432	C	A	0.054672	-0.0163309	0.0204144	0.423729	0.737784	0.128371	9.07E-09	-0.0221351	0.0279366	0.4281676	0.956541	3	0.86418667
ENSG00000166341	11	DCHS1	6642556	rs12288043	11	6676285	G	A	0.181909	-0.0168621	0.00917604	0.066118	0.421736	0.0655643	1.26E-10	-0.0399826	0.0226282	0.07723941	0.9298916	3	0.61430749
ENSG00000175390	11	EIF3F	7991798	rs4559682	11	8015651	C	T	0.276342	0.00969353	0.00887181	0.27456	0.35049	0.0516571	1.16E-11	0.0276571	0.0256387	0.2807108	0.7573468	3	0.79003956
ENSG00000166405	11	RIC3	8127597	rs11041773	11	8183251	C	G	0.222664	-0.0136732	0.00925413	0.139535	0.308955	0.0565522	4.68E-08	-0.0442563	0.0310291	0.1537868	0.6031944	4	0.68418688
ENSG00000130413	11	STK33	8413418	rs73405938	11	8525987	C	T	0.206759	0.00199976	0.0103369	0.8466	-0.283952	0.0434204	6.17E-11	-0.0070426	0.0364196	0.8466662	0.9131406	14	0.98207023
ENSG00000166436	11	TRIM66	8633584	rs10840105	11	8699662	G	A	0.371769	0.0013574	0.00820195	0.868553	0.36502	0.0546362	2.37E-11	0.0037187	0.0224768	0.8685926	0.5681033	10	0.98554401
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	0.814461	0.0958559	1.95E-17	0.0142338	0.012835	0.2674371	0.5040614	12	0.78198773
ENSG00000133805	11	AMPD3	10329860	rs11042811	11	10473889	T	C	0.456262	-0.0090229	0.00813932	0.267623	0.378789	0.061614	7.86E-10	-0.0238203	0.0218343	0.2752914	0.53601	9	0.78643683
ENSG00000177112	11	MRVI1-AS1	10562819	rs1462941	11	10563090	T	G	0.0954274	-0.0038471	0.0149741	0.797244	-1.2816	0.131099	1.43E-22	0.00300179	0.0116879	0.7973119	0.3383662	13	0.965513
ENSG00000072952	11	MRVI1	10594638	rs28725289	11	10737302	G	C	0.299205	0.0309558	0.00899909	0.00058197	-0.270229	0.0383815	1.91E-12	-0.114554	0.0370639	0.00199675	0.1797041	5	0.21506107
ENSG00000247271	11	ZBED5-AS1	10879806	rs771372	11	10880371	A	T	0.130219	0.016032	0.0110651	0.147372	-0.404329	0.0739854	4.63E-08	-0.0396509	0.028312	0.1613649	0.5973373	5	0.68549033
ENSG00000006071	11	ABCC8	17414432	rs2067043	11	17424711	T	C	0.312127	0.0134232	0.00857481	0.117483	0.346267	0.0531027	7.00E-11	0.0387655	0.0254672	0.1279658	0.0960191	7	0.66639677
ENSG00000166788	11	SAAL1	18091482	rs78251200	11	18125948	C	T	0.260437	0.00621566	0.00890397	0.485129	-0.788437	0.100047	3.26E-15	-0.0078835	0.0113374	0.4868331	0.9933397	16	0.86806745
ENSG00000110768	11	GTF2H1	18343842	rs6486419	11	18376752	C	T	0.71173	-0.0055182	0.00889525	0.535025	0.408598	0.0431881	3.05E-21	-0.0135052	0.0218169	0.5359011	0.3093127	19	0.88585906
ENSG00000166796	11	LDHC	18433854	rs11605386	11	18433720	G	C	0.115308	0.0315272	0.0136316	0.0207339	1.47672	0.111206	3.06E-40	0.0213495	0.00936996	0.02269667	0.7354389	20	0.41881492
ENSG00000166800	11	LDHAL6A	18477371	rs2658548	11	18461054	C	G	0.759443	-0.0211615	0.0105604	0.0450848	-0.728817	0.0985006	1.37E-13	0.0290354	0.0150118	0.05309131	0.6391582	10	0.55244458
ENSG00000109854	11	HTATIP2	20385231	rs11025525	11	20379963	G	C	0.536779	0.00149949	0.0080743	0.852671	0.516441	0.0593029	3.08E-18	0.00290351	0.0156381	0.8527042	0.351784	20	0.98502986
ENSG00000165973	11	NELL1	20691117	rs7940204	11	21192129	T	C	0.345924	-0.0085522	0.00897948	0.340884	-0.187036	0.03173	3.76E-09	0.0457251	0.048632	0.3471014	0.1583972	5	0.83656804
ENSG00000198168	11	SVIP	22835345	rs10833823	11	22832056	C	T	0.301193	-0.0158508	0.00867886	0.0677954	-0.26726	0.0467253	1.07E-08	0.0593085	0.0340887	0.08188918	0.2330535	3	0.62886988
ENSG00000245573	11	BDNF-AS	27528385	rs11030025	11	27509136	T	C	0.498012	0.00580806	0.00808997	0.472798	0.2353	0.0399915	4.01E-09	0.0246836	0.0346365	0.4760637	0.655168	10	0.86418667
ENSG00000152219	11	ARL14EP	30344598	rs11031032	11	30304726	C	G	0.331014	-0.0045335	0.0085442	0.595701	-0.350587	0.0400329	2.00E-18	0.0129311	0.0244158	0.5963744	0.01168862	20	0.90336373
ENSG00000242353	11	RP4-710M3.1	30389695	rs1222212	11	30374643	T	C	0.244533	0.00085323	0.0100557	0.932381	-0.66901	0.0959626	3.13E-12	-0.0012754	0.0150318	0.9323856	0.1281906	4	0.99347767
ENSG00000060749	11	QSER1	32914724	rs11032076	11	32996805	T	C	0.148111	0.0119581	0.0124822	0.338057	-0.334375	0.0571954	5.03E-09	-0.0357625	0.0378278	0.3444533	0.09854667	7	0.83501439
ENSG00000085063	11	CD59	33719807	rs2273121	11	33757770	A	G	0.232604	0.00886147	0.00914572	0.332585	-0.345654	0.0438345	3.13E-15	-0.0256368	0.0266582	0.3362067	0.1539891	20	0.83185621
ENSG00000135372	11	NAT10	34127149	rs2982617	11	34154432	G	A	0.920477	0.00889139	0.0127725	0.486344	0.514496	0.0726062	1.38E-12	0.0172817	0.0249448	0.4884348	0.9999113	15	0.86806745
ENSG00000121691	11	CAT	34460472	rs2420388	11	34490537	A	G	0.215706	0.00336709	0.00997949	0.735816	-0.301366	0.044151	8.74E-12	-0.0111728	0.0331546	0.7361248	0.4680723	20	0.94997803
ENSG00000149089	11	APIP	34874641	rs3852516	11	34964491	G	A	0.328032	0.00359698	0.00922847	0.696707	1.00047	0.0600591	2.64E-62	0.00359529	0.00922666	0.6967856	0.09394134	20	0.94127618
ENSG00000149084	11	HSD17B12	43577986	rs1061810	11	43877934	A	C	0.303181	0.00454067	0.00877782	0.604954	-0.715412	0.0541548	7.63E-40	-0.0063469	0.012279	0.6052309	0.227265	20	0.90555682
ENSG00000166199	11	ALKBH3	43902361	rs2271820	11	43905096	C	T	0.235586	-0.0319491	0.00901883	0.00039637	0.49869	0.0738534	1.45E-11	-0.0640661	0.0204227	0.00170688	0.3119926	8	0.20625742
ENSG00000110455	11	ACCS	44087475	rs10769015	11	44114236	A	G	0.688867	0.00293541	0.00907444	0.746332	0.583273	0.075026	7.59E-15	0.00503265	0.0155713	0.7465427	0.6793068	20	0.95189833
ENSG00000151348	11	EXT2	44117099	rs12365753	11	44117424	A	G	0.606362	-0.0085371	0.00846686	0.313312	-0.455842	0.0786796	6.89E-09	0.0187282	0.0188533	0.3205323	0.1135689	5	0.8185229
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	0.989242	0.103106	8.44E-22	-0.0077592	0.0110081	0.4808941	0.1545329	16	0.86450418
ENSG00000205106	11	CTD-2210P24.4	45792983	rs7130242	11	45815234	T	C	0.135189	0.00162876	0.0111702	0.884069	0.602049	0.0862282	2.91E-12	0.00270536	0.0185577	0.8840941	0.00450009	15	0.98658093
ENSG00000109919	11	MTCH2	47638867	rs11604680	11	47457539	G	A	0.323062	-0.0193274	0.00870086	0.0263293	0.536287	0.05814	2.86E-20	-0.0360393	0.0166881	0.03080501	0.00295811	20	0.45411895
ENSG00000086205	11	FOLH1	49168187	rs10839239	11	49243246	G	A	0.275348	0.00749962	0.00863218	0.384958	0.167675	0.0294914	1.30E-08	0.0447271	0.0520792	0.3904349	0.4442342	9	0.84859336
ENSG00000205035	11	RP11-707M1.1	49580098	rs7123316	11	49861633	A	G	0.591451	0.00951465	0.00818053	0.244795	0.790131	0.0578098	1.58E-42	0.0120419	0.0103908	0.2464985	0.1347424	16	0.76123939
ENSG00000219061	11	TRIM51FP	49854692	rs4881714	11	50336223	A	C	0.50994	0.0107122	0.00804272	0.18289	0.644439	0.0814436	2.52E-15	0.0166225	0.0126558	0.1890363	0.04612153	12	0.70253861
ENSG00000254714	11	RP11-163O19.1	49872181	rs1916212	11	50516298	C	A	0.604374	0.0143464	0.00811543	0.0770957	0.489209	0.0873791	2.16E-08	0.0293257	0.0173962	0.09184292	0.0897519	20	0.65036593
ENSG00000255190	11	TRIM51DP	49896497	rs11040613	11	49898355	C	T	0.531809	0.00554201	0.00805915	0.491662	0.906659	0.0812466	6.45E-29	0.00611256	0.0089057	0.4924831	0.02291927	7	0.86806745
ENSG00000254547	11	RP11-738O11.13	55635045	rs297117	11	55540700	G	A	0.252485	-3.58E-05	0.0088506	0.99677	0.622512	0.0908205	7.17E-12	-5.76E-05	0.0142176	0.9967703	0.2304971	20	0.99857245
ENSG00000149150	11	SLC43A1	57252007	rs2848626	11	57283988	T	C	0.791252	-0.0046482	0.0102583	0.650462	-0.469147	0.0641306	2.56E-13	0.00990783	0.0219078	0.6510873	0.04005737	13	0.92681036
ENSG00000134809	11	TIMM10	57295936	rs2729371	11	57321322	C	T	0.797217	0.00749654	0.0105169	0.475965	-0.523763	0.0627512	7.02E-17	-0.0143128	0.0201526	0.4775654	0.07501644	13	0.86418667
ENSG00000214872	11	SMTNL1	57308979	rs2649653	11	57322940	G	C	0.444334	-0.0007618	0.00807993	0.924886	0.769131	0.0858321	3.22E-19	-0.0009904	0.0105059	0.9248901	0.3727061	15	0.99163855
ENSG00000156689	11	GLYATL2	58601542	rs10792206	11	58671731	A	G	0.871769	-0.001978	0.0100359	0.843755	0.714016	0.128425	2.70E-08	-0.0027703	0.0140644	0.843852	0.5510243	3	0.98207023
ENSG00000166928	11	MS4A14	60146003	rs1838095	11	60147347	T	C	0.659046	-0.0228383	0.00840417	0.00657779	0.454263	0.0740226	8.42E-10	-0.0502755	0.0202334	0.01296328	0.6961808	10	0.3603961
ENSG00000013725	11	CD6	60739115	rs11230563	11	60776209	T	C	0.357853	-0.0145832	0.00936363	0.119368	-0.967209	0.0694983	4.99E-44	0.0150776	0.00974151	0.121678	0.2664743	20	0.66369299
ENSG00000187049	11	TMEM216	61159159	rs2943807	11	61196289	A	G	0.853877	0.0343548	0.0125739	0.00629071	-0.339147	0.0497572	9.36E-12	-0.101298	0.0399428	0.01121056	0.1339676	15	0.3603961
ENSG00000149532	11	CPSF7	61170121	rs80264062	11	61183554	G	C	0.05666	0.0131345	0.0267234	0.623075	-0.637498	0.0908746	2.30E-12	-0.0206032	0.0420219	0.6239243	0.4523809	3	0.91443861
ENSG00000149485	11	FADS1	61567099	rs174560	11	61581764	C	T	0.313121	0.0244351	0.00823863	0.0030178	-0.33797	0.0457962	1.58E-13	-0.0722996	0.0262718	0.00592351	0.4361212	9	0.30017552
ENSG00000167995	11	BEST1	61717293	rs2736597	11	61718036	A	G	0.305169	0.0101902	0.00812776	0.209933	-0.2646	0.0424377	4.52E-10	-0.0385117	0.031332	0.2190159	0.1128943	4	0.74274316
ENSG00000149541	11	B3GAT3	62382768	rs597259	11	62430659	A	T	0.729622	0.0125788	0.00962523	0.191262	-0.250135	0.0453966	3.59E-08	-0.050288	0.0395477	0.2035221	0.3986685	4	0.72676285
ENSG00000162194	11	C11orf48	62430287	rs67308910	11	62377359	A	G	0.261431	-0.0079272	0.0102012	0.437113	0.449667	0.0787636	1.14E-08	-0.0176289	0.0228953	0.4413116	0.5336598	10	0.86418667
ENSG00000255717	11	SNHG1	62619460	rs147861683	11	62640727	G	A	0.0437376	-0.0031642	0.0161171	0.844355	0.700289	0.0874771	1.19E-15	-0.0045184	0.0230218	0.844401	0.491741	6	0.98207023
ENSG00000176485	11	PLA2G16	63340667	rs3809072	11	63381976	A	C	0.537773	0.00044917	0.00826836	0.956678	-0.174085	0.0290226	1.99E-09	-0.0025802	0.0474981	0.9566793	0.4756906	5	0.99347767
ENSG00000149743	11	TRPT1	63991271	rs11549691	11	63993287	T	C	0.0636183	0.00146154	0.0182843	0.93629	-0.670153	0.0861524	7.33E-15	-0.0021809	0.0272852	0.936293	0.4043941	9	0.99347767
ENSG00000257086	11	RP11-783K16.13	64014411	rs111799725	11	64018872	T	C	0.0884692	-0.0051172	0.0132267	0.69884	1.27051	0.163472	7.72E-15	-0.0040277	0.0104234	0.6991951	0.1230927	19	0.94249185
ENSG00000182450	11	KCNK4	64058774	rs28395875	11	64024048	C	G	0.16501	0.0152616	0.0109464	0.163252	0.348344	0.0634038	3.93E-08	0.0438119	0.0324201	0.1765745	0.2652179	10	0.69740293
ENSG00000219435	11	TEX40	64067863	rs41294396	11	64078581	A	G	0.162028	0.0130835	0.0110071	0.234581	-0.990446	0.0993636	2.11E-23	-0.0132097	0.011192	0.237889	0.5328992	20	0.75264543
ENSG00000173113	11	TRMT112	64083932	rs66493355	11	64108539	T	C	0.305169	0.00665662	0.00901842	0.460445	0.264532	0.0481709	3.98E-08	0.0251638	0.0343986	0.4644522	0.285823	4	0.86418667
ENSG00000168071	11	CCDC88B	64107695	rs479552	11	64110683	C	G	0.371769	-0.0134796	0.00819479	0.0999908	-0.487208	0.0582525	6.08E-17	0.027667	0.0171421	0.1065315	0.588178	14	0.65086925
ENSG00000231680	11	AP003774.6	64161814	rs10897495	11	64175044	T	C	0.43837	0.0115914	0.00806831	0.150814	0.666013	0.0790635	3.65E-17	0.0174042	0.0122893	0.1567143	0.8626629	15	0.68549033
ENSG00000068976	11	PYGM	64513861	rs686171	11	64519345	A	G	0.0755467	0.00484224	0.0131712	0.713142	-0.308753	0.0548699	1.83E-08	-0.0156832	0.0427503	0.7137262	0.9616869	14	0.94509525
ENSG00000110025	11	SNX15	64794880	rs532373	11	64799789	T	C	0.62326	0.0181762	0.00832879	0.0290851	0.356781	0.0521278	7.68E-12	0.050945	0.0245022	0.03759903	0.8737892	9	0.4779761
ENSG00000255200	11	AP003068.18	64941588	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-0.681329	0.0809019	3.71E-17	0.0183317	0.0131781	0.164203	0.1121912	12	0.68549033
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-1.2004	0.0860605	3.22E-44	0.0104048	0.00741455	0.1605298	0.00979811	20	0.68549033
ENSG00000245532	11	NEAT1	65190245	rs674485	11	65197393	A	G	0.756461	-0.0025536	0.0109241	0.815172	-0.477687	0.0628149	2.86E-14	0.00534578	0.0228795	0.8152575	0.08254525	14	0.97213764
ENSG00000172922	11	RNASEH2C	65482367	rs3372	11	65485218	A	G	0.355865	0.00230086	0.00896048	0.797349	-0.374664	0.0463317	6.14E-16	-0.0061411	0.0239281	0.7974495	0.9530196	11	0.965513
ENSG00000214659	11	KRT8P26	65494410	rs67995174	11	65547889	G	C	0.209742	-0.0105587	0.0112658	0.348637	-0.642008	0.0684683	6.81E-21	0.0164464	0.0176352	0.3510328	0.6680313	9	0.840274
ENSG00000172818	11	OVOL1	65554493	rs4930319	11	65555458	C	G	0.351889	0.00102009	0.00813615	0.900225	0.731795	0.103658	1.67E-12	0.00139396	0.0111198	0.9002404	0.8239891	16	0.98658093
ENSG00000172803	11	SNX32	65601112	rs17854357	11	65601560	C	G	0.161034	0.0109134	0.012092	0.366773	1.06913	0.0746292	1.51E-46	0.0102077	0.0113326	0.367724	0.6807474	20	0.840274
ENSG00000172500	11	FIBP	65651212	rs656980	11	65656282	A	G	0.188867	0.00077634	0.0109628	0.943544	0.324628	0.0400862	5.58E-16	0.00239149	0.0337716	0.9435462	0.6734622	14	0.99347767
ENSG00000087365	11	SF3B2	65818200	rs491618	11	65825951	A	T	0.27336	0.00170095	0.00865333	0.844167	-0.545872	0.0697422	5.00E-15	-0.003116	0.0158573	0.8442157	0.4996441	7	0.98207023
ENSG00000175115	11	PACS1	65837834	rs2254388	11	65837599	T	C	0.73161	0.0313243	0.00987355	0.00151109	0.32952	0.0507193	8.20E-11	0.0950604	0.033345	0.00436076	0.7089133	15	0.27687143
ENSG00000255320	11	RP11-755F10.1	66012311	rs10791862	11	66013664	C	T	0.173956	-0.0297113	0.0105702	0.00494094	1.1328	0.116973	3.52E-22	-0.0262282	0.00971614	0.00694548	0.03727456	16	0.30017552
ENSG00000174483	11	BBS1	66278077	rs17147644	11	66256660	T	C	0.241551	0.00081589	0.00832681	0.921946	-0.322887	0.0581805	2.86E-08	-0.0025269	0.0257926	0.9219578	0.1969389	8	0.99128987
ENSG00000174165	11	ZDHHC24	66288108	rs12272545	11	66302724	G	A	0.244533	2.88E-05	0.00833728	0.99724	-0.676797	0.0817684	1.26E-16	-4.26E-05	0.0123187	0.9972396	0.1924376	18	0.99857245
ENSG00000174080	11	CTSF	66330934	rs59829960	11	66338867	A	G	0.239563	0.00074396	0.00833721	0.928896	0.383958	0.060786	2.67E-10	0.0019376	0.021716	0.9289036	0.06320214	5	0.992774
ENSG00000173715	11	C11orf80	66511922	rs35287213	11	66569509	T	G	0.111332	0.0100335	0.0223793	0.653909	-0.749389	0.0970969	1.18E-14	-0.0133889	0.0299137	0.6544535	0.1452032	12	0.9271714
ENSG00000173156	11	RHOD	66824289	rs11227678	11	66842469	A	G	0.0745527	0.0125086	0.0161382	0.438284	-0.66386	0.101083	5.12E-11	-0.0188422	0.0244784	0.441448	0.6986343	3	0.86418667
ENSG00000172613	11	RAD9A	67159176	rs61734601	11	67184725	A	G	0.0685885	0.0241226	0.0181297	0.183334	0.977916	0.113022	5.04E-18	0.0246674	0.018757	0.1884768	0.0516121	15	0.70253861
ENSG00000084207	11	GSTP1	67351066	rs762803	11	67352256	A	C	0.409543	0.0018119	0.0084908	0.831019	-0.30238	0.030682	6.50E-23	-0.0059921	0.0280865	0.8310574	0.08435801	20	0.9781418
ENSG00000160172	11	FAM86C2P	67559119	rs10896228	11	67558416	T	G	0.502982	-0.0019635	0.00810574	0.808599	-0.378492	0.0693908	4.91E-08	0.00518764	0.021437	0.8087842	0.3513813	4	0.96829455
ENSG00000255306	11	RP5-901A4.1	67792277	rs2075626	11	67799926	C	T	0.212724	-0.0191327	0.0123075	0.120053	0.918619	0.124407	1.54E-13	-0.0208277	0.0136915	0.1282073	0.3978678	6	0.66639677
ENSG00000197345	11	MRPL21	68658744	rs2444765	11	68655063	A	C	0.300199	-0.0082148	0.00832727	0.323894	-0.938902	0.0572035	1.53E-60	0.00874932	0.00888516	0.3247661	0.3992817	20	0.82256512
ENSG00000132740	11	IGHMBP2	68671310	rs584108	11	68630282	A	T	0.302187	-0.0091385	0.00832277	0.272197	0.384294	0.045768	4.60E-17	-0.0237801	0.0218417	0.2762655	0.9565456	20	0.78643683
ENSG00000261625	11	RP11-554A11.4	68768233	rs35377497	11	68778383	C	T	0.390656	-0.0123762	0.00806899	0.12508	-0.457683	0.0755353	1.37E-09	0.027041	0.0181862	0.1370415	0.8628787	13	0.67926006
ENSG00000162341	11	TPCN2	68816365	rs72932523	11	68906120	A	G	0.114314	-0.0013486	0.0108181	0.90079	0.511656	0.0857747	2.44E-09	-0.0026358	0.0211479	0.9008117	0.2914119	15	0.98658093
ENSG00000131626	11	PPFIA1	70116806	rs12283131	11	70243641	G	A	0.335984	0.00011297	0.0082276	0.989045	-0.310139	0.0441043	2.04E-12	-0.0003643	0.0265288	0.9890448	0.02700969	7	0.99595203
ENSG00000254682	11	RP11-660L16.2	71159720	rs732934	11	71186476	A	G	0.700795	0.00719952	0.00824953	0.382817	1.11875	0.0687415	1.49E-59	0.00643533	0.00738448	0.3834994	0.2903041	20	0.84654611

ENSG00000172890	11	NADSYN1	71164155	rs3794060	11	71187679	T	C	0.700795	0.00714827	0.00824939	0.386204	0.284524	0.0382732	1.05E-13	0.0251236	0.02919	0.3894067	0.3226786	13	0.84859336
ENSG00000244411	11	KRTAP5-7	71238313	rs2282620	11	71183477	T	C	0.701789	0.00722888	0.00824926	0.380863	0.510579	0.0833393	8.98E-10	0.0141582	0.0163211	0.3856804	0.7214571	10	0.84786313
ENSG00000255562	11	UNC93B6	71314306	rs4245445	11	71345288	G	A	0.672962	0.00021827	0.00839995	0.97927	-0.74067	0.100547	1.75E-13	-0.0002947	0.0113411	0.9792702	0.6866906	18	0.99550269
ENSG00000227467	11	RP11-169D4.1	72281704	rs61522071	11	72283586	T	G	0.382704	0.00657489	0.00873393	0.451571	0.642867	0.0770045	6.92E-17	0.0102274	0.013641	0.4534013	0.6581312	10	0.86418667
ENSG00000214530	11	STARD10	72465774	rs35668754	11	72523110	T	C	0.452286	0.0109026	0.00809632	0.178106	0.314059	0.0416462	4.66E-14	0.0347151	0.0261874	0.1849582	0.01058576	11	0.70055957
ENSG00000175581	11	MRPL48	73498361	rs149655762	11	73457037	G	C	0.130219	0.0271819	0.0102431	0.00796196	0.502499	0.0783646	1.43E-10	0.0540934	0.0220609	0.01420635	0.1566629	7	0.36922688
ENSG00000175575	11	PAAF1	73587744	rs7942963	11	73615599	A	G	0.0815109	-0.010621	0.0179452	0.553948	-0.875938	0.0837307	1.30E-25	0.0121253	0.0205196	0.5545791	0.1078387	20	0.89001673
ENSG00000175538	11	KCNE3	74165886	rs683144	11	74181483	C	T	0.775348	0.0059134	0.00967602	0.541107	0.479443	0.0797977	1.88E-09	0.0123339	0.0202859	0.5431858	0.6854123	4	0.88612583
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.4114	0.0738219	1.75E-81	0.00066918	0.00606684	0.912171	0.5046839	20	0.98821764
ENSG00000241170	11	RP11-147I3.1	74587331	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	-0.765475	0.0725934	5.37E-26	-0.0012338	0.0111866	0.9121744	0.4335662	20	0.98821764
ENSG00000261594	11	TPBGL	74951950	rs2712811	11	74864729	A	G	0.620278	9.45E-06	0.00840077	0.999102	-0.28876	0.0431426	2.18E-11	-3.27E-05	0.0290926	0.9991022	0.06201208	9	0.9992569
ENSG00000149273	11	RPS3	75110530	rs373711199	11	75121187	T	G	0.0536779	0.00788547	0.0142476	0.579949	-0.354162	0.0627299	1.64E-08	-0.0222651	0.0404219	0.5817576	0.09217029	3	0.89957103
ENSG00000255135	11	RP11-111M22.3	76152382	rs113130900	11	76152515	T	C	0.0457256	0.0113897	0.0176949	0.519788	-1.06393	0.1458	2.94E-13	-0.0107053	0.0166962	0.5214046	0.7727438	6	0.88179758
ENSG00000178301	11	AQP11	77300436	rs12290511	11	77266663	G	T	0.346918	-0.0090704	0.00818884	0.268009	0.388738	0.0645471	1.72E-09	-0.023333	0.0214185	0.2759832	0.9557867	15	0.78643683
ENSG00000159063	11	ALG8	77811982	rs7101694	11	77853896	T	C	0.464215	0.0142124	0.00807694	0.0784711	0.595151	0.0614838	3.67E-22	0.0238803	0.0137937	0.0834064	0.2111331	20	0.63149811
ENSG00000246174	11	KCTD21-AS1	77850817	rs1263577	11	77869742	C	A	0.533797	-0.0156847	0.00807125	0.0519828	1.04742	0.0741774	2.84E-45	-0.0149746	0.00777847	0.05421247	0.2036296	20	0.55486315
ENSG00000188997	11	KCTD21	77882295	rs510318	11	77808818	C	T	0.16998	0.00040881	0.0123269	0.973544	-0.811301	0.0919966	1.16E-18	-0.0005039	0.0151941	0.9735437	0.04700534	20	0.99505995
ENSG00000137513	11	NARS2	78147007	rs10793337	11	78285875	T	A	0.767396	-0.0031873	0.00890594	0.720427	0.750737	0.0778165	5.04E-22	-0.0042456	0.0118711	0.720612	0.03313289	20	0.94509525
ENSG00000137500	11	CCDC90B	82970139	rs569401	11	82951359	A	G	0.373757	-0.0021773	0.00822938	0.791332	-0.253742	0.0462646	4.14E-08	0.00858088	0.0324698	0.7915698	0.4195565	5	0.96367256
ENSG00000077616	11	NAALAD2	89864683	rs4753261	11	89933910	G	T	0.430417	-0.0046561	0.00806129	0.563547	-0.255013	0.0445812	1.06E-08	0.0182581	0.031772	0.565521	0.8557764	12	0.89726458
ENSG00000182919	11	C11orf54	93474757	rs1284141	11	93482094	A	G	0.634195	0.00476945	0.00845116	0.572513	-0.570449	0.0543354	8.76E-26	-0.0083609	0.0148363	0.5730666	0.3935516	15	0.89834695
ENSG00000042429	11	MED17	93517393	rs613610	11	93520726	C	T	0.254473	-0.0068558	0.00988839	0.488111	0.479209	0.0673684	1.13E-12	-0.0143065	0.0207326	0.4901652	0.7740844	11	0.86806745
ENSG00000214376	11	VSTM5	93551398	rs11020540	11	93583368	T	C	0.354871	0.00545298	0.00841953	0.517207	0.2725	0.0445548	9.59E-10	0.0200109	0.0310701	0.5195382	0.6077096	18	0.88142667
ENSG00000123901	11	GPR83	94110477	rs12420783	11	93997886	T	C	0.168986	0.0137645	0.0109552	0.208956	-0.376866	0.0618372	1.10E-09	-0.0365236	0.0296805	0.2184886	0.3742927	17	0.74274316
ENSG00000020922	11	MRE11A	94152895	rs680695	11	94212154	G	A	0.33499	-0.009451	0.00848404	0.265291	0.683066	0.0669931	2.06E-24	-0.0138361	0.0124944	0.2681288	0.5396948	20	0.78225116
ENSG00000150316	11	CWC15	94695787	rs55881158	11	94743931	C	T	0.145129	0.00642003	0.0126993	0.613177	-0.444628	0.0803668	3.16E-08	-0.0144391	0.0286806	0.6146517	0.1177309	8	0.91007323
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	1.04066	0.0804373	2.76E-38	0.0105763	0.0117195	0.3668173	0.8860269	20	0.840274
ENSG00000075239	11	ACAT1	107992243	rs3741056	11	107992346	C	G	0.341948	-0.0010774	0.00870768	0.901533	0.438882	0.0565481	8.41E-15	-0.0024548	0.0198431	0.9015453	0.09202371	7	0.98658093
ENSG00000178202	11	KDELC2	108342832	rs112020878	11	108375829	A	G	0.148111	0.0148155	0.0116215	0.202367	-0.30175	0.0483578	4.38E-10	-0.0490986	0.0393092	0.2116523	0.6809576	9	0.73429563
ENSG00000254890	11	RP11-10A7.1	109357694	rs10890996	11	109328421	T	C	0.311133	-0.0095062	0.00823498	0.248348	0.577313	0.0899235	1.36E-10	-0.0164663	0.0144931	0.2558931	0.3501132	20	0.77055913
ENSG00000204381	11	LAYN	111411005	rs4581484	11	111415822	A	G	0.389662	-0.0103862	0.00873724	0.234547	-0.224958	0.0395042	1.24E-08	0.0461695	0.0396766	0.2445681	0.6389395	11	0.76092327
ENSG00000137713	11	PPP2R1B	111597632	rs615642	11	111649421	A	G	0.624254	0.0135583	0.00832203	0.10327	-0.374888	0.0515107	3.39E-13	-0.0361663	0.0227481	0.111867	0.5059006	20	0.65086925
ENSG00000197580	11	BCO2	112046190	rs11214138	11	112084061	C	T	0.262425	-0.0020484	0.00914525	0.822767	-0.484323	0.0808583	2.10E-09	0.00422945	0.0188957	0.8228889	0.3477748	13	0.97350461
ENSG00000149292	11	TTC12	113185251	rs11214587	11	113232422	G	T	0.465209	-0.0173888	0.00811857	0.0322055	-0.668974	0.0606043	2.49E-28	0.0259932	0.0123622	0.0354974	0.2534479	20	0.47033241
ENSG00000270179	11	RP11-159N11.4	113239200	rs10891529	11	113159770	T	G	0.308151	-0.0026447	0.00861664	0.758894	-0.465082	0.0838618	2.93E-08	0.00568661	0.0185555	0.7592506	0.2417293	3	0.95473405
ENSG00000170209	11	ANKK1	113258513	rs6589371	11	113192797	T	C	0.134195	-0.018913	0.0137542	0.169112	0.898475	0.11065	4.66E-16	-0.0210501	0.0155263	0.1751729	0.4993878	6	0.69660051
ENSG00000166682	11	TMPRSS5	113558272	rs3914060	11	113586757	C	T	0.303181	0.00285334	0.00860487	0.740195	0.632435	0.0605013	1.42E-25	0.00451167	0.0136128	0.7403203	0.2137881	20	0.94997803
ENSG00000246100	11	LINC00900	115624966	rs12419439	11	115628122	T	C	0.0457256	-0.0162188	0.0195676	0.407182	0.960787	0.1284	7.28E-14	-0.0168807	0.0204908	0.4100411	0.839082	7	0.86152138
ENSG00000109917	11	ZNF259	116648436	rs619054	11	116660813	A	G	0.23161	0.00282458	0.00958982	0.768346	0.401524	0.0560742	8.03E-13	0.00703465	0.0239037	0.7685359	0.3621155	15	0.95736588
ENSG00000254851	11	RP11-109L13.1	117006244	rs171052	11	117081763	G	C	0.261431	-0.0068707	0.00884573	0.437323	1.0486	0.0924504	8.10E-30	-0.0065522	0.00845551	0.4383941	0.6960257	20	0.86418667
ENSG00000110274	11	CEP164	117185273	rs516712	11	117192376	G	A	0.421471	-0.0057561	0.00817212	0.481207	0.212066	0.0336588	2.97E-10	-0.0271431	0.0387758	0.4839266	0.8869132	6	0.86653396
ENSG00000137731	11	FXYD2	117671559	rs516655	11	117709028	A	G	0.790258	-0.0032141	0.0127495	0.800967	-0.563847	0.0966669	5.45E-09	0.00570029	0.0226327	0.8011491	0.7484791	4	0.965513
ENSG00000255274	11	TMPRSS4-AS1	117886487	rs948460	11	117960018	T	A	0.27833	0.00325663	0.00874631	0.709637	0.920278	0.0892266	6.09E-25	0.00353875	0.00951018	0.7098177	0.3645844	20	0.94335681
ENSG00000118096	11	IFT46	118415243	rs60067274	11	118412296	T	A	0.131213	-0.0024992	0.0110133	0.820485	-0.731499	0.0881736	1.08E-16	0.00341648	0.0150614	0.8205511	0.9694203	7	0.97259053
ENSG00000118181	11	RPS25	118886422	rs11217125	11	118889185	C	T	0.257455	-0.0072221	0.00919148	0.432021	-0.228718	0.0362977	2.95E-10	0.0315764	0.0404982	0.4355681	0.5651427	6	0.86418667
ENSG00000196655	11	TRAPPC4	118889142	rs569	11	118894287	G	A	0.227634	-0.0046618	0.00953482	0.624895	0.95727	0.0731033	3.53E-39	-0.0048699	0.00996737	0.625136	0.06274489	20	0.91474979
ENSG00000160695	11	VPS11	118938403	rs1182922	11	118932859	A	G	0.483101	-0.0036797	0.00808209	0.648903	0.428108	0.0452738	3.20E-21	-0.0085952	0.0189005	0.6492827	0.3501191	10	0.92585192
ENSG00000256269	11	HMBS	118955576	rs1168569	11	118947168	G	A	0.364811	-0.0069817	0.00884227	0.429774	0.584974	0.0635402	3.37E-20	-0.011935	0.0151712	0.4314628	0.2913751	7	0.86418667
ENSG00000248712	11	CCDC153	119060347	rs11217175	11	119064394	T	C	0.133201	-0.0002484	0.0113131	0.982481	0.54669	0.0951113	9.04E-09	-0.0004544	0.020694	0.9824809	0.6662528	5	0.99550269
ENSG00000254854	11	CTD-2523D13.2	119600293	rs3829260	11	119598729	C	G	0.499006	-0.0045927	0.00807577	0.569559	-0.440509	0.0727927	1.43E-09	0.0104259	0.0184136	0.5712543	0.3048661	12	0.89834695
ENSG00000254406	11	RP11-215D10.1	119692013	rs34952981	11	119620339	T	A	0.403579	-0.0092924	0.0082159	0.258047	-0.546397	0.0841817	8.54E-11	0.0170066	0.0152631	0.2651803	0.7079559	5	0.77972167
ENSG00000137699	11	TRIM29	119981983	rs620602	11	120006705	G	A	0.115308	0.0286238	0.0117638	0.0149655	0.902788	0.161288	2.18E-08	0.031706	0.0142085	0.02564885	0.9688237	6	0.43085467
ENSG00000184232	11	OAF	120081475	rs12792820	11	120055403	A	T	0.287276	-0.0090115	0.0091637	0.325417	-0.25846	0.0377254	7.33E-12	0.034866	0.0358184	0.3303495	0.1784105	13	0.82863501
ENSG00000255248	11	RP11-166D19.1	121899063	rs59538106	11	121956831	T	C	0.241551	0.00043188	0.0100784	0.96582	-0.459628	0.0697509	4.41E-11	-0.0009396	0.0219278	0.9658206	0.2456679	14	0.99424461
ENSG00000166261	11	ZNF202	123594885	rs10893080	11	123610288	C	T	0.703777	-0.0092473	0.00866363	0.285802	-0.389655	0.05598	3.39E-12	0.0237321	0.022494	0.291406	0.6104295	13	0.79795824
ENSG00000245498	11	RP11-677M14.7	124670346	rs659357	11	124660184	C	A	0.367793	-0.0070231	0.00864561	0.4166	0.729306	0.0831701	1.80E-18	-0.0096299	0.0119053	0.4185891	0.5071235	9	0.86418667
ENSG00000254941	11	RP11-677M14.5	124677718	rs659357	11	124660184	C	A	0.367793	-0.0070231	0.00864561	0.4166	0.9066	0.0856779	3.63E-26	-0.0077467	0.00956436	0.417968	0.6073314	11	0.86418667
ENSG00000149554	11	CHEK1	125495036	rs12276635	11	125476569	T	C	0.0656064	-0.0357638	0.0209908	0.0884219	0.931411	0.147199	2.49E-10	-0.0383974	0.0233392	0.09993112	0.2376346	5	0.65086925
ENSG00000064309	11	CDON	125825691	rs7124748	11	125846293	C	T	0.380716	0.0103081	0.0082365	0.210747	0.853097	0.0655274	9.55E-39	0.0120832	0.00969933	0.2128482	0.4011959	20	0.73512747
ENSG00000110074	11	FOXRED1	126138950	rs672908	11	126149651	G	C	0.76839	0.0180493	0.00970191	0.0628304	0.571105	0.0513198	9.13E-29	0.0316042	0.0172237	0.06651723	0.8789464	20	0.59477339
ENSG00000170322	11	NFRKB	129733531	rs60335545	11	129740759	T	C	0.180915	0.0138536	0.0124686	0.266532	-0.56108	0.0764096	2.09E-13	-0.024691	0.0224755	0.2719537	0.5343888	15	0.78596916
ENSG00000175773	11	RP11-121M22.1	130184888	rs747250	11	130271678	G	T	0.494036	-0.0003448	0.00805269	0.965844	0.483649	0.0848985	1.22E-08	-0.000713	0.0166503	0.9658452	0.3760969	4	0.99424461
ENSG00000255455	11	RP11-890B15.3	130736149	rs3751039	11	130773076	A	G	0.43837	-0.0037761	0.00810797	0.641415	-0.398429	0.0642862	5.73E-10	0.00947737	0.0204072	0.6423521	0.8771114	12	0.92308109
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.66417	0.0566392	9.34E-32	0.00357621	0.0121841	0.7691299	0.3429285	20	0.95736588
ENSG00000204241	11	RP11-713P17.3	133902167	rs1144231	11	133909341	C	T	0.164016	-0.0096645	0.0104818	0.356517	0.719067	0.0857973	5.25E-17	-0.0134403	0.0146649	0.3594072	0.61955	5	0.840274
ENSG00000255545	11	RP11-627G23.1	134306367	rs4495909	11	134335720	C	T	0.7167	-0.0106565	0.0100017	0.286662	-1.03878	0.0747822	7.21E-44	0.0102587	0.0096566	0.2880776	0.5690626	13	0.79641232
ENSG00000251226	11	RP11-469N6.1	134605490	rs12360957	11	134611417	A	T	0.383698	-0.0052189	0.00838416	0.533631	-0.642078	0.0761521	3.41E-17	0.00812816	0.0130934	0.5347423	0.857185	18	0.88585906
ENSG00000256540	12	RP11-598F7.6	276022	rs12368193	12	276220	A	G	0.327038	0.00336119	0.00852282	0.693304	-0.475669	0.086363	3.63E-08	-0.0070662	0.0179634	0.6940475	0.4772611	8	0.94063022
ENSG00000256577	12	RP11-283I3.2	312808	rs216249	12	311816	T	C	0.505964	-0.0052024	0.00805826	0.518543	-0.468634	0.0679326	5.25E-12	0.0111011	0.0172703	0.5203645	0.9065791	15	0.8817574
ENSG00000120647	12	CCDC77	498439	rs7133796	12	502025	A	C	0.790258	0.0153268	0.0088121	0.0819823	0.655454	0.090836	5.36E-13	0.0233835	0.0138293	0.09086275	0.2080033	20	0.64948716
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.970576	0.100953	6.97E-22	-0.0163029	0.0110274	0.1392999	0.9918944	20	0.67926006
ENSG00000002016	12	RAD52	1021243	rs12822733	12	1056030	G	C	0.187873	-0.007274	0.00957357	0.447372	-0.5128	0.0630992	4.40E-16	0.0141849	0.0187506	0.4493469	0.4539475	20	0.86418667
ENSG00000078246	12	TULP3	2986389	rs10848744	12	3038585	G	A	0.417495	0.00067412	0.00826272	0.934976	-0.386169	0.0415748	1.56E-20	-0.0017457	0.0213975	0.9349785	0.8537586	16	0.99347767
ENSG00000111224	12	PARP11	3900213	rs727704	12	3946828	G	C	0.119284	-0.0172139	0.0136726	0.208027	-0.576221	0.103473	2.57E-08	0.0298738	0.0243269	0.2194416	0.7443742	5	0.74274316
ENSG00000111254	12	AKAP3	4724674	rs979877	12	4757896	C	T	0.522863	-0.0023352	0.00829202	0.778235	0.637127	0.0673179	2.95E-21	-0.0036652	0.0130205	0.7783312	0.8750056	16	0.95939787
ENSG00000111321	12	LTBR	6484211	rs2364484	12	6511996	A	C	0.732604	-0.0154722	0.00949306	0.103135	-0.336404	0.0402636	6.54E-17	0.0459929	0.0287511	0.1096672	0.9746267	14	0.65086925
ENSG00000215039	12	CD27-AS1	6548167	rs111922468	12	6556078	T	C	0.17495	-0.0010177	0.0108375	0.925186	0.519443	0.0824638	2.99E-10	-0.0019592	0.020866	0.925194	0.573253	3	0.99163855
ENSG00000139192	12	TAPBPL	6560856	rs2244083	12	6570539	T	A	0.305169	0.00150986	0.00889562	0.865222	0.511739	0.0520875	8.82E-23	0.00295045	0.0173857	0.8652418	0.6125858	20	0.98554401
ENSG00000139190	12	VAMP1	6571403	rs12964	12	6572191	C	T	0.496024	0.00749663	0.00807452	0.353184	-0.246154	0.0372447	3.87E-11	-0.030455	0.0331248	0.3578848	0.4307739	8	0.840274
ENSG00000111664	12	GNB3	6949118	rs1129649	12	6948468	C	T	0.358847	0.0004452	0.00858574	0.958645	-0.690262	0.0659711	1.28E-25	-0.000645	0.0124385	0.9586459	0.1086421	13	0.99347767
ENSG00000111665	12	CDCA3	6953957	rs1047776	12	6948692	G	A	0.645129	-0.0026755	0.00817768	0.743536	-0.587944	0.0610148	5.63E-22	0.00455065	0.013917	0.7436783	0.1416632	20	0.95144089
ENSG00000111671	12	SPSB2	6980099	rs2001004	12	6977359	G	A	0.305169	-0.0009903	0.00928199	0.915038	0.759198	0.0677017	3.49E-29	-0.0013044	0.0122266	0.9150417	0.8729825	15	0.98848475
ENSG00000240370	12	RPL13P5	6982553	rs7132019	12	6992122	T	C	0.303181	-0.0039115	0.00933991	0.675363	0.561138	0.0811698	4.74E-12	-0.0069707	0.0166751	0.6759237	0.4530434	8	0.93372697
ENSG00000010626	12	LRRC23	6982733	rs2239163	12	7014076	G	C	0.297217	-0.004683	0.00940127	0.618399	0.515572	0.0659009	5.14E-15	-0.009083	0.0182716	0.6191099	0.6232216	11	0.91342485
ENSG00000248593	12	DSTNP2	6993846	rs7134129	12	6998158	C	G	0.289264	-0.0039049	0.00941736	0.6784	0.531139	0.0747523	1.20E-12	-0.0073519	0.0177607	0.6789153	0.5811485	8	0.93372697
ENSG00000111676	12	ATN1	7033626	rs2071065	12	6977069	C	T	0.298211	0.00022517	0.0092473	0.980574	-0.272976	0.0481927	1.48E-08	-0.0008249	0.0338762	0.9805738	0.7979351	11	0.99550269
ENSG00000139197	12	PEX5	7341281	rs9738229	12	7365831	C	T	0.498012	-0.0029619	0.00813032	0.715632	0.495477	0.055023	2.16E-19	-0.0059779	0.0164225	0.7158541	0.6252619	17	0.94509525
ENSG00000164845	12	FAM86FP	8385108	rs2953215	12	8383295	A	C	0.828032	0.0219945	0.0107545	0.0408413	-0.834168	0.115461	5.02E-13	-0.026367	0.0133991	0.04908881	0.3112631	8	0.5383209
ENSG00000226091	12	LINC00937	8448582	rs9738201	12	8452516	G	T	0.924453	0.0360955	0.0132122	0.00629521	-1.22719	0.134639	7.89E-20	-0.0294131	0.0112394	0.0088718	0.999136	20	0.31955541
ENSG00000139187	12	KLRG1	9102640	rs12828013	12	9158317	T	C	0.263419	-0.0003578	0.00909582	0.968618	0.689053	0.0696807	4.66E-23	-0.0005193	0.0132006	0.9686181	0.6472961	18	0.99471489
ENSG00000245105	12	A2M-AS1	9217773	rs11611936	12	9072162	T	C	0.279324	0.0138837	0.0099205	0.161666	-0.481247	0.0856599	1.93E-08	-0.0288494	0.0212441	0.1744649	0.8050956	6	0.69660051
ENSG00000256069	12	A2MP1	9381129	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.462771	0.0825883	2.10E-08	0.00745589	0.0175481	0.6709226	0.5048978	5	0.93280877
ENSG00000256427	12	RP11-118B22.4	9399093	rs34371	12	9393753	G	A	0.636183	-0.0150764	0.00868429	0.0825544	-0.614397	0.089312	6.02E-12	0.0245385	0.0145778	0.0923208	0.2114038	16	0.65086925
ENSG00000111788	12	RP11-22B23.1	9429831	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-1.14279	0.0738294	4.82E-54	0.00301925	0.00708832	0.6701461	0.1835764	20	0.93280877
ENSG00000214826	12	DDX12P	9570309	rs7300369	12	9434538	A	G	0.461233	-0.0033164	0.00809349	0.681982	-0.651018	0.0831008	4.72E-15	0.00509414	0.012449	0.6823932	0.3146292	20	0.93430005
ENSG00000214776	12	RP11-726G1.1	9620148	rs4764205	12	9631035	G	A	0.577535	-0.0057571	0.00809355	0.476889	-0.846991	0.0806432	8.37E-26	0.00679709	0.00957754	0.4778963	0.6741698	20	0.86418667
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.91497	0.215658	6.71E-19	-0.0072404	0.00995814	0.467173	0.7942167	13	0.86418667
ENSG00000172322	12	CLEC12A	10103915	rs12231872	12	10118747	C	G	0.224652	-0.0017366	0.00940068	0.853438	0.571961	0.0970227	3.74E-09	-0.0030363	0.0164439	0.8535092	0.3948824	3	0.98502986
ENSG00000213809	12	KLRK1	10524952	rs7962112	12	10540756	T	A	0.130219	0.0151005	0.0121069	0.212301	0.595601	0.100739	3.37E-09	0.0253534	0.0207746	0.222312	0.01412231	9	0.74274316
ENSG00000183542	12	KLRC4	10559983	rs12817345	12	10550007	A	G	0.140159	-0.0065809	0.0122578	0.591353	0.789183	0.10593	9.33E-14	-0.0083389	0.0155725	0.5923134	0.00275815	12	0.90174025
ENSG00000205810	12	KLRC3	10564911	rs10743899	12	10642477	C	T	0.808151	-0.013489	0.0105514	0.201107	-0.5836	0.0872797	2.28E-11	0.0231134	0.0184073	0.2092376	0.015159	8	0.73192759
ENSG00000205809	12	KLRC2	10579453	rs7955680	12	10630711	T	C	0.805169	-0.0154332	0.0105256	0.142579	-1.00829	0.0993543	3.37E-24	0.0153063	0.0105475	0.1467282	0.00682223	17	0.68107362
ENSG00000134545	12	KLRC1	10594863	rs73054450	12	10703240	C	G	0.173956	-0.0230385	0.0122978	0.0610141	1.01706	0.122949	1.31E-16	-0.0226521	0.0123977	0.06768235	0.7598345	10	0.59477339
ENSG00000111215	12	PRR4	10977559	rs2708335	12	11270704	T	G	0.489066	0.00189935	0.00819914	0.816808	0.479748	0.0672342	9.64E-13	0.00395906	0.0170995	0.8169028	0.48275	12	0.97249977
ENSG00000231887	12	PRH1	11033610	rs1013313	12	11042137	C	T	0.631213	-0.0089659	0.00840248	0.285949	-0.75016	0.0771276	2.33E-22	0.0119519	0.0112681	0.288833	0.2215326	20	0.79710593
ENSG00000212127	12	TAS2R14	11090005	rs10772397	12	11138683	T	C	0.657058	-0.009542	0.00840476	0.256248	-0.490209	0.0731602	2.08E-11	0.0194651	0.0173896	0.2629906	0.1600822	20	0.77940094
ENSG00000256274	12	TAS2R64P	11229368	rs35413384	12	11211781	C	G	0.356859	-0.0008066	0.0086645	0.925829	1.04391	0.0882607	2.81E-32	-0.0007727	0.0083003	0.9258311	0.4112748	17	0.99203756
ENSG00000247157	12	RP11-434C1.1	11700964	rs11054320	12	11644576	G	A	0.584493	0.017205	0.00831234	0.0384689	-0.525112	0.0800023	5.25E-11	-0.0327644	0.0165981	0.04838259	0.1822918	20	0.53621652
ENSG00000255621	12	RP11-377D9.3	13153385	rs3782568	12	13145457	A	C	0.76839	0.015471	0.0100723	0.12454	0.816998	0.112527	3.86E-13	0.0189364	0.0126013	0.1329075	0.8026759	14	0.67365314
ENSG00000084444	12	KIAA1467	13197218	rs3736208	12	13242371	A	G	0.455268	0.00377466	0.00812835	0.642374	-0.168866	0.0267515	2.75E-10	-0.022353	0.048265	0.6432708	0.7295529	4	0.92308109
ENSG00000182993	12	C12orf60	14956506	rs11830399	12	14956932	C	G	0.588469	0.00364015	0.00811323	0.653671	-0.740016	0.0704437	8.19E-26	-0.004919	0.0109736	0.6539657	0.6642574	16	0.9271714
ENSG00000121350	12	PYROXD1	21590549	rs4762828	12	21603039	A	G	0.449304	0.00821937	0.008104	0.31047	-0.373133	0.0625625	2.46E-09	-0.022028	0.0220306	0.3173678	0.3630167	5	0.81665079
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.61801	0.125523	5.12E-38	-0.0083818	0.00839858	0.3182763	0.5405518	16	0.81665079
ENSG00000064115	12	TM7SF3	27126128	rs79716120	12	27103588	G	A	0.122266	0.00648423	0.0123749	0.600293	0.631355	0.0891584	1.43E-12	0.0102703	0.0196541	0.6012848	0.8359305	8	0.90385749
ENSG00000165935	12	SMCO2	27619743	rs57487384	12	27647677	A	T	0.0258449	-0.0786762	0.0458193	0.0859607	-1.64344	0.262624	3.91E-10	0.0478729	0.0289106	0.09774394	0.2448949	5	0.65086925
ENSG00000256377	12	RP11-1060J15.4	27849321	rs17552066	12	27863531	C	T	0.0467197	0.00972878	0.0207537	0.639231	1.52906	0.18008	2.05E-17	0.00636259	0.0135935	0.6397413	0.2862818	6	0.92278433
ENSG00000247934	12	RP11-967K21.1	28316231	rs11049391	12	28322273	G	A	0.575547	0.00646383	0.00810204	0.424985	-0.544448	0.080215	1.14E-11	-0.0118723	0.0149836	0.4281578	0.4681348	20	0.86418667
ENSG00000257176	12	RP11-996F15.2	29433351	rs7136223	12	29437861	G	A	0.2833	0.00643919	0.00886468	0.467602	0.781915	0.0848885	3.23E-20	0.00823515	0.0113723	0.4689804	0.9704604	16	0.86418667
ENSG00000133704	12	IPO8	30781922	rs12370947	12	30786569	C	G	0.235586	0.0100294	0.00914644	0.272843	-0.445174	0.0553703	8.99E-16	-0.0225292	0.020736	0.2772677	0.9946108	20	0.78685212
ENSG00000110888	12	CAPRIN2	30862486	rs1485345	12	30907740	G	T	0.0964215	-0.0200901	0.016767	0.230844	-0.431455	0.055586	8.36E-15	0.0465636	0.0393218	0.236347	0.8951472	9	0.75264543
ENSG00000235884	12	LINC00941	30947977	rs73082102	12	30948824	C	G	0.217694	-0.0033556	0.0098804	0.734144	0.533592	0.0860441	5.60E-10	-0.0062886	0.0185445	0.7345263	0.7144041	11	0.94997803
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	0.941954	0.0887504	2.58E-26	0.00808682	0.0137003	0.5550131	0.07917437	17	0.89001673
ENSG00000013573	12	DDX11	31226779	rs1808348	12	31244846	G	C	0.439364	-0.0099445	0.00813411	0.221496	-1.19789	0.064039	4.46E-78	0.00830164	0.00680485	0.2224805	0.9291259	20	0.74274316
ENSG00000177359	12	RP11-551L14.1	31264586	rs11545332	12	31256995	A	G	0.290258	0.00683022	0.00885741	0.440629	0.757257	0.111499	1.11E-11	0.00901969	0.0117719	0.4435528	0.6141677	13	0.86418667
ENSG00000110975	12	SYT10	33527173	rs17575491	12	33672663	C	T	0.249503	0.00013921	0.010373	0.989292	-0.440458	0.0753566	5.07E-09	-0.0003161	0.0235505	0.9892921	0.3400071	20	0.99595203
ENSG00000165966	12	PDZRN4	41582250	rs12227680	12	41827060	A	T	0.227634	0.00569925	0.00899481	0.526332	0.530309	0.0800171	3.42E-11	0.010747	0.0170388	0.5282109	0.1974678	8	0.88585906
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.543342	0.0807121	1.68E-11	-0.0191806	0.0169579	0.2580249	0.8089853	3	0.772639
ENSG00000079337	12	RAPGEF3	48128455	rs12423645	12	48143978	T	C	0.145129	-0.010071	0.0118797	0.396578	0.358979	0.0540406	3.08E-11	-0.0280546	0.0333614	0.4003881	0.5747015	8	0.85364306
ENSG00000134291	12	TMEM106C	48357352	rs11168332	12	48353477	G	A	0.295229	-0.0066768	0.00835394	0.424151	-0.301617	0.0515348	4.84E-09	0.0221367	0.0279542	0.4284242	0.1290352	4	0.86418667
ENSG00000240399	12	RP1-228P16.1	48448596	rs4760695	12	48591848	G	A	0.234592	0.0443333	0.0110568	6.08E-05	-0.583283	0.0933506	4.15E-10	-0.0760065	0.0225235	0.00073937	0.7586962	12	0.19443108
ENSG00000177981	12	ASB8	48541571	rs10875746	12	48518264	C	A	0.230616	0.0362443	0.0114558	0.00155704	0.501231	0.0609344	1.94E-16	0.0723106	0.0244876	0.00314759	0.1356647	20	0.26201963
ENSG00000187166	12	H1FNT	48722763	rs2732469	12	48712932	A	T	0.408549	-0.0159539	0.0082958	0.0544641	-0.39649	0.0602623	4.72E-11	0.0402378	0.0217986	0.06490786	0.2307811	10	0.59008044
ENSG00000167528	12	ZNF641	48733791	rs9788082	12	48752056	A	C	0.212724	0.0437692	0.011864	0.00022493	0.416844	0.0677952	7.82E-10	0.105001	0.0331917	0.00155896	0.02158235	5	0.1985174
ENSG00000239617	12	RP11-302B13.1	49297201	rs9645813	12	49353138	C	G	0.415507	-0.0002485	0.00824135	0.975945	0.538811	0.0712465	3.95E-14	-0.0004612	0.0152956	0.9759449	0.5711469	15	0.99550269
ENSG00000139537	12	CCDC65	49297893	rs11168812	12	49361363	T	A	0.415507	0.0002071	0.0082482	0.979968	-0.465612	0.0615272	3.80E-14	-0.0004448	0.0177148	0.9799682	0.6209469	15	0.99550269
ENSG00000134285	12	FKBP11	49315301	rs2641450	12	49341386	A	G	0.568588	-0.0018834	0.00821083	0.818573	0.43768	0.0616832	1.29E-12	-0.0043031	0.0187697	0.8186667	0.4981361	14	0.97258841
ENSG00000169884	12	WNT10B	49359123	rs2070940	12	49351493	G	C	0.470179	0.00545153	0.00802734	0.497061	-0.322135	0.0410073	3.98E-15	-0.0169231	0.0250121	0.4986619	0.3861442	13	0.86872655
ENSG00000161798	12	AQP5	50355653	rs7299924	12	50348961	G	A	0.17992	0.0192398	0.0115014	0.0943626	-0.633344	0.0879639	6.02E-13	-0.0303781	0.0186435	0.1032236	0.3116265	6	0.65086925
ENSG00000178449	12	COX14	50505762	rs34167640	12	50516991	C	T	0.348907	-0.0026583	0.00880511	0.762723	0.268165	0.0456073	4.11E-09	-0.009913	0.0328779	0.763027	0.810353	5	0.9549947
ENSG00000272368	12	RP4-605O3.4	50505980	rs11831413	12	50550383	T	A	0.399602	-0.0018343	0.00832251	0.825559	0.595081	0.0719436	1.32E-16	-0.0030824	0.0139905	0.8256197	0.5572571	20	0.97474496
ENSG00000139624	12	CERS5	50523575	rs7964698	12	50507179	T	C	0.332008	-0.0021452	0.00886263	0.808738	-0.559999	0.0631308	7.28E-19	0.00383079	0.015832	0.8088077	0.9835792	20	0.96829455
ENSG00000050426	12	LETMD1	51441745	rs55897461	12	51459319	C	T	0.140159	0.0138971	0.0109393	0.203946	0.501093	0.0720378	3.50E-12	0.0277336	0.022192	0.2114047	0.01195885	12	0.73429563
ENSG00000139629	12	GALNT6	51745031	rs2241545	12	51754629	G	A	0.2833	-0.0028563	0.00857962	0.739197	-0.453373	0.0583651	7.98E-15	0.00630013	0.0189413	0.7394267	0.1314346	5	0.94997803
ENSG00000257542	12	OR7E47P	52473480	rs3951715	12	52458644	C	T	0.0785288	0.00327494	0.0144658	0.820897	1.07186	0.153603	2.99E-12	0.00305538	0.0135031	0.8209892	0.2607927	3	0.97259053
ENSG00000205426	12	KRT81	52679697	rs2857673	12	52707973	G	C	0.406561	0.0100339	0.00849766	0.237691	0.756122	0.0743799	2.82E-24	0.0132702	0.011314	0.2408366	0.2937175	20	0.75759563
ENSG00000170523	12	KRT83	52708085	rs2277384	12	52711375	C	G	0.234592	0.00956833	0.00877122	0.275326	0.817292	0.0895343	6.96E-20	0.0117074	0.0108084	0.2787327	0.2868572	20	0.78921594
ENSG00000111077	12	TENC1	53440753	rs11610008	12	53440582	T	C	0.605368	-0.0130565	0.00807522	0.105909	0.269658	0.0309421	2.91E-18	-0.0484187	0.0304572	0.1118953	0.4522196	14	0.65086925
ENSG00000135390	12	ATP5G2	54026510	rs3892761	12	54070445	T	A	0.299205	0.0138158	0.00944164	0.143391	0.766799	0.0524198	1.86E-48	0.0180175	0.0123745	0.1453879	0.03213953	20	0.68107362
ENSG00000248265	12	RP11-834C11.3	54452038	rs2233921	12	54575800	A	C	0.477137	0.00299254	0.00811907	0.71244	0.844319	0.0931454	1.25E-19	0.00354432	0.00962406	0.7126665	0.3425435	11	0.94509525
ENSG00000135426	12	TESPA1	55341802	rs7309221	12	55250196	A	T	0.639165	-0.0220832	0.00931046	0.0176986	-0.195	0.0351058	2.78E-08	0.113247	0.0519167	0.02915929	0.3005992	5	0.44044637
ENSG00000135441	12	BLOC1S1	56109820	rs3138141	12	56115778	A	C	0.191849	-0.0017964	0.0108589	0.868604	0.401935	0.0508562	2.71E-15	-0.0044694	0.0270225	0.8686332	0.2148762	7	0.98554401
ENSG00000139531	12	SUOX	56390964	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	0.302034	0.0488231	6.16E-10	-0.0661843	0.0290711	0.02280786	0.8414214	9	0.41881492

ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.07269	0.0565339	2.78E-80	0.0186353	0.0076741	0.01516829	0.4638402	20	0.37385671
ENSG00000257303	12	RP11-977G19.11	56693926	rs2066818	12	56753822	A	C	0.0636183	-0.0053403	0.0177429	0.763428	-1.18988	0.130314	6.80E-20	0.00448811	0.0149196	0.7635521	0.8888735	16	0.95503813
ENSG00000025423	12	HSD17B6	57145945	rs747906	12	57233350	G	C	0.0735586	-0.0174617	0.0153258	0.254549	0.615417	0.0847905	3.93E-13	-0.0283738	0.0252081	0.2603424	0.03250376	5	0.7755295
ENSG00000166881	12	TMEM194A	57449426	rs62621200	12	57472544	T	C	0.0159046	0.0546971	0.0285217	0.0551442	1.48551	0.195662	3.14E-14	0.0368204	0.019803	0.06297922	0.6845368	14	0.58240816
ENSG00000123427	12	METTL21B	58165275	rs10783847	12	58196447	A	G	0.319085	-0.0215891	0.00847211	0.0108263	0.694694	0.063274	4.81E-28	-0.0310771	0.0125196	0.01305476	0.1268704	20	0.3603961
ENSG00000123297	12	TSFM	58176372	rs701008	12	58117645	C	T	0.353877	-0.0112312	0.00822244	0.171964	-0.385999	0.0608812	2.29E-10	0.0290964	0.0217905	0.1817833	0.00278358	9	0.69774631
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.750689	0.0752108	1.84E-23	0.0394615	0.0120922	0.00110096	0.5512899	20	0.19443108
ENSG00000177990	12	DPY19L2	63952693	rs11503710	12	64073716	G	A	0.332008	-8.08E-06	0.00867602	0.999257	0.369442	0.0464153	1.73E-15	-2.19E-05	0.0234841	0.9992569	0.3706462	20	0.9992569
ENSG00000255693	12	RP11-766N7.3	65277174	rs1147083	12	65277530	T	A	0.383698	-0.0049242	0.00807617	0.542045	-0.444285	0.052934	4.73E-17	0.0110835	0.0182258	0.5431073	0.7630407	10	0.88612583
ENSG00000239335	12	RP11-745O10.2	66524531	rs4328252	12	66503562	C	T	0.4334	0.0142186	0.00805741	0.0776211	-1.12207	0.0755539	6.83E-50	-0.0126718	0.00723136	0.07971634	0.03312526	19	0.6221196
ENSG00000127311	12	HELB	66696325	rs7308068	12	66696706	T	C	0.532803	-0.0040243	0.00821583	0.624264	0.429273	0.0586122	2.41E-13	-0.0093746	0.0191817	0.6250365	0.3253707	11	0.91474979
ENSG00000111554	12	MDM1	68666223	rs10878804	12	68669257	C	G	0.237575	0.00900965	0.0106507	0.397595	0.368722	0.0647933	1.26E-08	0.0244348	0.0292028	0.402746	0.00993771	3	0.85364306
ENSG00000111581	12	NUP107	69080514	rs10878860	12	69121392	C	A	0.197813	0.00253286	0.00952661	0.790338	-0.570934	0.0683589	6.71E-17	-0.0044363	0.0166945	0.7904414	0.5534276	15	0.96301985
ENSG00000127337	12	YEATS4	69753483	rs4761239	12	69776886	A	T	0.449304	0.00602811	0.00831203	0.468313	-0.442161	0.0497832	6.58E-19	-0.0136333	0.0188612	0.4697895	0.7599727	16	0.86418667
ENSG00000166268	12	MYRFL	70219084	rs4332561	12	70157582	T	C	0.0616302	0.00825455	0.0148537	0.5784	1.63986	0.18606	1.21E-18	0.00503369	0.00907589	0.5791532	0.1053353	7	0.89834695
ENSG00000257815	12	RP11-611E13.2	70297813	rs111396273	12	70562685	A	G	0.168986	-0.0012865	0.0129855	0.921083	0.543917	0.0922038	3.66E-09	-0.0023652	0.0238774	0.9210946	0.2626222	7	0.99093061
ENSG00000257139	12	RP11-320P7.2	70574118	rs7315956	12	70563865	G	A	0.692843	-0.0001115	0.00877885	0.989866	-0.626122	0.0796007	3.67E-15	0.00017808	0.014021	0.9898664	0.9301999	9	0.99595203
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-0.943763	0.0596859	2.56E-56	-0.0040242	0.00890101	0.6511919	0.2431252	20	0.92681036
ENSG00000139278	12	GLIPR1	75874460	rs2242435	12	75874913	A	G	0.415507	0.00263126	0.00823437	0.749313	-0.243236	0.0420293	7.15E-09	-0.0108177	0.033905	0.749681	0.3699855	5	0.95264532
ENSG00000257497	12	RP11-585P4.5	75877904	rs7966268	12	75899918	T	G	0.374751	0.00359239	0.00853922	0.67398	-0.48001	0.0740155	8.86E-11	-0.007484	0.0178271	0.6746238	0.5284167	15	0.93372697
ENSG00000111615	12	KRR1	75890684	rs10506667	12	75907288	A	G	0.233598	0.00900376	0.00985677	0.361001	0.486272	0.0567075	9.90E-18	0.0185159	0.0203848	0.363709	0.2660992	18	0.840274
ENSG00000175183	12	CSRP2	77252495	rs11116780	12	77436044	C	T	0.315109	0.0125228	0.00869182	0.149653	-0.388636	0.0649198	2.15E-09	-0.0322224	0.0230035	0.1612859	0.5926583	3	0.68549033
ENSG00000111058	12	ACSS3	81331594	rs10778792	12	81541007	T	C	0.409543	0.0120781	0.00818394	0.139989	-0.211875	0.0380401	2.55E-08	-0.0570058	0.0399592	0.1536957	0.8662849	3	0.68418688
ENSG00000257431	12	RP11-263K4.3	82906456	rs10778889	12	82739258	G	A	0.907555	0.0122448	0.0177765	0.490936	-0.932044	0.135791	6.70E-12	-0.0131376	0.0191684	0.4931061	0.8127961	13	0.86806745
ENSG00000246363	12	RP11-13A1.1	89404458	rs7294645	12	89413399	A	G	0.0298211	0.015211	0.0282361	0.590088	-0.691709	0.0919517	5.37E-14	-0.0219905	0.0409253	0.5910387	0.2426019	4	0.90174025
ENSG00000257322	12	RP11-511B23.2	93397191	rs7960229	12	93717719	C	T	0.365805	0.00209237	0.00835266	0.802198	-0.586854	0.104494	1.95E-08	-0.0035654	0.0142471	0.8023905	0.4178911	15	0.96588106
ENSG00000166130	12	IKBIP	99007183	rs12371097	12	99029299	G	A	0.195825	-0.010441	0.00932605	0.262903	0.538428	0.0774243	3.54E-12	-0.0193916	0.0175439	0.2690208	0.7890479	20	0.78302173
ENSG00000238105	12	GOLGA2B	100550135	rs11110266	12	100557345	T	C	0.0984095	0.00586804	0.0159364	0.712712	0.499948	0.0914739	4.62E-08	0.0117373	0.0319484	0.7133331	0.6049408	6	0.94509525
ENSG00000111666	12	CHPT1	102090725	rs2695296	12	102085487	C	T	0.60835	0.0176523	0.00811961	0.0297023	0.286335	0.0384465	9.50E-14	0.0616491	0.0295405	0.03689398	0.09284811	17	0.4779761
ENSG00000136048	12	DRAM1	102271129	rs12230626	12	102275477	C	G	0.220676	-0.0017101	0.00997504	0.863879	-0.28568	0.0520699	4.10E-08	0.00598607	0.0349339	0.8639452	0.5423939	6	0.98554401
ENSG00000120860	12	CCDC53	102406705	rs78301341	12	102778012	G	A	0.0308151	0.00924497	0.0219968	0.674275	-0.994507	0.14992	3.28E-11	-0.009296	0.0221626	0.6748902	0.2048798	10	0.93372697
ENSG00000171759	12	PAH	103230663	rs34631206	12	103350467	C	G	0.318091	0.0108923	0.00893172	0.22265	0.67832	0.0678367	1.53E-23	0.0160578	0.013265	0.2260725	0.1651506	9	0.74274316
ENSG00000257681	12	RP11-341G23.4	104140093	rs954920	12	104173310	T	A	0.277336	-0.0058415	0.00904668	0.518472	0.882833	0.0792408	7.91E-29	-0.0066167	0.0102645	0.5191725	0.8096834	20	0.88142667
ENSG00000111696	12	NT5DC3	104164231	rs11111758	12	104161084	G	A	0.290258	-0.0037958	0.00879869	0.666173	-0.278049	0.045938	1.42E-09	0.0136516	0.0317247	0.6669668	0.6359547	7	0.93253494
ENSG00000204954	12	C12orf73	104343980	rs2723847	12	104380594	C	T	0.157058	-0.0095374	0.0137874	0.489098	-0.576707	0.0886153	7.62E-11	0.0165377	0.0240418	0.4915334	0.6140619	11	0.86806745
ENSG00000257890	12	RP11-114F10.2	106444739	rs10861553	12	106452814	T	G	0.519881	0.0162171	0.00806308	0.0442966	-0.657352	0.0908478	4.63E-13	-0.0246703	0.012731	0.05264644	0.06875509	13	0.55150699
ENSG00000139428	12	MMAB	109991542	rs7300998	12	110016450	A	G	0.2833	0.02518	0.00875875	0.00404231	-0.447662	0.0647515	4.73E-12	-0.0562478	0.0211897	0.00794289	0.2197418	17	0.31081905
ENSG00000139433	12	GLTP	110288748	rs4766489	12	110306345	A	G	0.605368	-0.0023552	0.00838787	0.778879	-0.238043	0.0432111	3.61E-08	0.0098938	0.0352825	0.779158	0.01735027	9	0.95939787
ENSG00000111237	12	VPS29	110928902	rs28764794	12	110843797	G	T	0.388668	-0.0221506	0.00815274	0.0065887	0.233626	0.0414823	1.78E-08	-0.0948122	0.038745	0.01440181	0.9581365	7	0.36922688
ENSG00000111275	12	ALDH2	112204691	rs11608345	12	112187840	G	A	0.167992	-0.0183204	0.0106798	0.0862681	-0.240401	0.0356716	1.59E-11	0.0762077	0.0458415	0.09642948	0.6225575	15	0.65086925
ENSG00000139405	12	C12orf52	113623331	rs61932124	12	113750856	G	A	0.0914513	0.00630975	0.0110889	0.569347	-0.480453	0.0629803	2.37E-14	-0.0131329	0.0231442	0.5704162	0.8900265	12	0.89834695
ENSG00000122965	12	RBM19	114254543	rs7970186	12	114256137	C	T	0.383698	-0.0117403	0.00838039	0.161236	0.639532	0.0640935	1.90E-23	-0.0183576	0.0132325	0.1653447	0.0934079	18	0.68549033
ENSG00000196668	12	LINC00173	116971227	rs10850662	12	116974128	A	C	0.0576541	-0.0143966	0.0227188	0.526285	-0.79774	0.122947	8.67E-11	0.0180467	0.0286144	0.5282459	0.2973827	4	0.88585906
ENSG00000088992	12	TESC	117476728	rs7978725	12	117477816	A	G	0.139165	-0.0143028	0.0123038	0.245047	-0.470606	0.0641918	2.28E-13	0.0303923	0.0264712	0.2509164	0.6372871	18	0.76604143
ENSG00000089250	12	NOS1	117645947	rs3844050	12	117879346	G	A	0.429423	-0.0040311	0.00807007	0.617416	-0.442887	0.0682511	8.64E-11	0.00910192	0.0182754	0.6184548	0.2380883	3	0.9133817
ENSG00000089220	12	PEBP1	118573663	rs643270	12	118666919	T	G	0.534791	-0.004628	0.00807067	0.566348	-0.364848	0.0521953	2.75E-12	0.0126848	0.0221949	0.5676476	0.1848945	14	0.89834695
ENSG00000089154	12	GCN1L1	120565007	rs4767884	12	120661977	C	T	0.761431	0.018286	0.00956492	0.0559049	0.34772	0.0587087	3.17E-09	0.0525883	0.028905	0.0688584	0.8116682	6	0.59485717
ENSG00000111775	12	COX6A1	120875893	rs1167688	12	120922849	A	G	0.349901	-0.0056918	0.00868193	0.512085	-0.330388	0.0418849	3.07E-15	0.0172277	0.0263686	0.5135363	0.01865724	7	0.87840501
ENSG00000257218	12	GATC	120884241	rs680795	12	120906034	G	C	0.648111	0.0100653	0.00871923	0.248346	1.06775	0.0824851	2.52E-38	0.00942665	0.00819839	0.2502195	0.2070309	20	0.76453691
ENSG00000110871	12	COQ5	120941077	rs603574	12	120998443	G	A	0.279324	-0.0012958	0.00863711	0.880741	0.517959	0.0640165	5.92E-16	-0.0025018	0.0166781	0.8807618	0.6612702	6	0.98658093
ENSG00000167272	12	POP5	121016567	rs73405628	12	121027132	G	A	0.101392	-0.0043419	0.0123219	0.724559	0.429585	0.0659381	7.27E-11	-0.0101071	0.0287252	0.7249463	0.2673135	17	0.94540164
ENSG00000122971	12	ACADS	121163538	rs2239760	12	121163518	A	C	0.425447	0.013573	0.00820316	0.0980054	0.382223	0.0357113	9.84E-27	0.0355107	0.0217166	0.1020108	0.3416588	20	0.65086925
ENSG00000157837	12	SPPL3	121200313	rs58918988	12	121332953	A	G	0.478131	0.0259679	0.00809068	0.00132917	-0.445624	0.0486373	5.09E-20	-0.0582731	0.0192376	0.00245267	0.9874534	20	0.23558181
ENSG00000089041	12	P2RX7	121570622	rs208311	12	121604314	G	A	0.285288	0.00864173	0.00899597	0.336742	0.338655	0.0538214	3.13E-10	0.0255178	0.0268716	0.3423057	0.131183	4	0.83501439
ENSG00000135124	12	P2RX4	121647660	rs28360467	12	121648132	T	G	0.0924453	-0.0077819	0.012544	0.535015	-0.859157	0.152156	1.64E-08	0.0090576	0.0146882	0.5374605	0.4831186	4	0.88612583
ENSG00000089053	12	ANAPC5	121746048	rs1799525	12	121789927	A	C	0.648111	-3.81E-05	0.00898321	0.99662	0.19348	0.0316764	1.01E-09	-0.0001967	0.0464297	0.9966202	0.706938	5	0.99857245
ENSG00000212694	12	AC084018.1	122233173	rs2019562	12	122250491	T	A	0.809145	0.00046776	0.00983801	0.962078	0.403012	0.0445083	1.37E-19	0.00116066	0.0244115	0.9620784	0.3293336	20	0.99347767
ENSG00000272849	12	RP11-347I19.8	122235417	rs2019561	12	122250617	C	T	0.822068	0.00533992	0.0100559	0.595404	0.535365	0.0670258	1.38E-15	0.00997435	0.0188247	0.5962132	0.1426943	19	0.90336373
ENSG00000256092	12	hsa-mir-8072	123848415	rs10773016	12	123843239	G	A	0.949304	0.00443905	0.0243613	0.855412	1.28501	0.165032	6.89E-15	0.00345449	0.0189633	0.8554513	0.3614365	17	0.98502986
ENSG00000111364	12	DDX55	124086624	rs11057306	12	124097766	G	A	0.115308	0.0188477	0.01415	0.182861	-0.837565	0.0951122	1.30E-18	-0.022503	0.0170864	0.1878346	0.9077592	20	0.70253861
ENSG00000168778	12	TCTN2	124155660	rs10773025	12	124200135	A	G	0.0417495	-0.0061708	0.0197283	0.754441	-0.909518	0.133458	9.43E-12	0.00678471	0.0217138	0.75469	0.6689114	4	0.9539366
ENSG00000270028	12	RP11-380L11.4	124410008	rs12809125	12	124407991	G	A	0.372763	0.0260701	0.00876588	0.002939	0.413672	0.064708	1.63E-10	0.0630212	0.0233712	0.0070066	0.3588083	4	0.30017552
ENSG00000250091	12	DNAH10OS	124410971	rs9863	12	124421453	C	T	0.368787	0.0197837	0.00879073	0.0244163	0.37026	0.0560738	4.03E-11	0.0534319	0.0250832	0.03315584	0.1373488	9	0.45862237
ENSG00000255595	12	RP4-809F18.1	126843848	rs17577161	12	126842742	A	G	0.616302	-0.0077354	0.00829979	0.351339	-0.840715	0.0756346	1.05E-28	0.00920095	0.00990694	0.3530248	0.7113316	13	0.840274
ENSG00000214043	12	RP5-944M2.3	126927027	rs17577161	12	126842742	A	G	0.616302	-0.0077354	0.00829979	0.351339	0.424731	0.0697313	1.12E-09	-0.0182124	0.0197687	0.3569071	0.3573249	3	0.840274
ENSG00000255853	12	RP11-407A16.1	126995456	rs10492044	12	126825979	C	T	0.255467	-0.0010539	0.0104744	0.919851	0.736505	0.110137	2.28E-11	-0.001431	0.0142234	0.9198607	0.7806892	5	0.99027474
ENSG00000151948	12	GLT1D1	129337972	rs74693681	12	129338781	G	A	0.144135	-0.0150522	0.0109073	0.167585	0.261392	0.0383603	9.48E-12	-0.0575848	0.0425749	0.1761986	0.3157351	19	0.69740293
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.811613	0.0845317	7.90E-22	-0.004103	0.0100193	0.6821623	0.5781424	14	0.93430005
ENSG00000185684	12	EP400NL	132568828	rs61942869	12	132593606	A	G	0.136183	0.0132556	0.00959571	0.167154	-0.62591	0.0878515	1.04E-12	-0.0211781	0.0156163	0.1750506	0.1986167	6	0.69660051
ENSG00000256576	12	RP13-977J11.2	132671287	rs11246977	12	132673707	G	C	0.479125	0.0115958	0.00814009	0.154292	0.666429	0.0556733	5.08E-33	0.0173999	0.0123007	0.1572009	0.151464	20	0.68549033
ENSG00000255916	12	RP13-895J2.7	132906436	rs58012118	12	132909888	C	G	0.413519	-0.0081606	0.00847731	0.335727	0.306045	0.0498453	8.26E-10	-0.0266648	0.0280379	0.3415918	0.1002444	6	0.83501439
ENSG00000204583	12	LRCOL1	133179736	rs11146965	12	133182037	G	A	0.410537	0.00149215	0.00829516	0.857245	-0.553504	0.094597	4.88E-09	-0.0026958	0.0149937	0.8573119	0.05143999	9	0.98554401
ENSG00000187848	12	P2RX2	133195366	rs6560896	12	133228453	T	C	0.430417	0.00076322	0.00812681	0.925178	-0.728143	0.0771445	3.77E-21	-0.0010482	0.0111616	0.9251815	0.00646931	20	0.99163855
ENSG00000177084	12	POLE	133200348	rs5744839	12	133239844	A	G	0.565606	0.0128516	0.00814456	0.114579	-0.785183	0.0622145	1.63E-36	-0.0163676	0.0104536	0.1174081	0.4362692	20	0.66335906
ENSG00000176894	12	PXMP2	133264192	rs118132909	12	133287321	T	G	0.101392	0.0235743	0.0128652	0.0668914	0.484967	0.0721276	1.77E-11	0.0486101	0.0274955	0.07707251	0.2665716	13	0.6142843
ENSG00000072609	12	CHFR	133398773	rs12578355	12	133475698	A	G	0.198807	0.0142178	0.00904404	0.115936	0.486317	0.0593588	2.55E-16	0.0292357	0.0189363	0.1226132	0.7181818	18	0.66369299
ENSG00000196458	12	ZNF605	133498019	rs6560906	12	133414054	C	T	0.719682	-0.0016647	0.00915966	0.855789	-0.255024	0.045334	1.85E-08	0.00652746	0.0359356	0.8558626	0.1316341	19	0.98502986
ENSG00000090612	12	ZNF268	133707570	rs7971566	12	133694678	C	T	0.295229	0.00423292	0.0093009	0.64903	-0.407706	0.0580101	2.09E-12	-0.0103823	0.0228605	0.6497155	0.9460887	14	0.92611654
ENSG00000244155	13	CYP4F34P	19315870	rs2801739	13	19448609	A	C	0.055666	0.0285825	0.019609	0.144946	1.16152	0.153643	4.03E-14	0.0246078	0.0171931	0.1523557	0.8616042	7	0.68186912
ENSG00000227879	13	PSPC1P1	19775777	rs9512591	13	19902411	T	G	0.517893	0.0178775	0.00828261	0.0308937	-0.747468	0.0912371	2.56E-16	-0.0239174	0.011459	0.0368688	0.1058299	20	0.4779761
ENSG00000237636	13	ANKRD26P3	19864733	rs1929074	13	19872585	A	G	0.425447	-0.0172702	0.00863627	0.0455292	0.740831	0.0893049	1.08E-16	-0.0233119	0.0119915	0.05189039	0.321851	20	0.55150699
ENSG00000236834	13	LINC00421	19919189	rs4771075	13	19891519	T	C	0.516899	0.0180738	0.00828408	0.0291273	-0.604678	0.0895934	1.49E-11	-0.02989	0.014398	0.03789613	0.2576118	20	0.4779761
ENSG00000224976	13	PARP4P2	19923277	rs1929074	13	19872585	A	G	0.425447	-0.0172702	0.00863627	0.0455292	0.896987	0.0853466	7.77E-26	-0.0192536	0.00980082	0.04947384	0.06711212	20	0.5403178
ENSG00000132958	13	TPTE2	19997017	rs9551393	13	19947076	A	G	0.319085	0.00638842	0.00932706	0.493386	0.556307	0.0974372	1.13E-08	0.0114836	0.0168862	0.4964679	0.9593304	19	0.86872655
ENSG00000032742	13	IFT88	21140585	rs2480431	13	21172412	T	G	0.17495	0.0248746	0.01203	0.038667	0.412476	0.0528703	6.11E-15	0.0603056	0.0301723	0.04564005	0.5469399	20	0.5259893
ENSG00000027001	13	MIPEP	24304328	rs11616760	13	24443988	C	T	0.133201	-0.0231595	0.0139518	0.0969215	1.14138	0.119622	1.41E-21	-0.0202908	0.0124072	0.1019651	0.762671	16	0.65086925
ENSG00000205863	13	C1QTNF9B	24465238	rs9553115	13	24515740	A	G	0.163022	-0.0053201	0.0134829	0.693151	0.76441	0.130649	4.89E-09	-0.0069598	0.0176784	0.6938116	0.8652805	9	0.94063022
ENSG00000196593	13	ANKRD20A19P	24513696	rs9580817	13	24529552	T	A	0.170974	0.00107852	0.0138059	0.937732	0.804013	0.115538	3.43E-12	0.00134142	0.0171723	0.9377363	0.2474346	9	0.99347767
ENSG00000228741	13	RP11-309I15.1	24553949	rs9553143	13	24591554	G	C	0.300199	0.00790267	0.00894477	0.376968	0.498503	0.089328	2.40E-08	0.0158528	0.0181667	0.3828658	0.1715064	4	0.84640362
ENSG00000240654	13	C1QTNF9	24881304	rs77821894	13	24445237	G	A	0.133201	-0.0232793	0.0139497	0.0951546	0.97556	0.132828	2.06E-13	-0.0238625	0.0146636	0.1036682	0.6823351	12	0.65086925
ENSG00000205822	13	TPTE2P6	24982295	rs7988190	13	25157296	T	C	0.4334	-0.001694	0.00820952	0.836518	0.831133	0.0740269	2.99E-29	-0.0020382	0.00987917	0.8365452	0.9537895	18	0.97996964
ENSG00000151849	13	CENPJ	25457171	rs2483380	13	25541467	T	C	0.407555	0.00746747	0.00873707	0.392725	-0.487138	0.0646233	4.77E-14	-0.0153293	0.0180504	0.395744	0.7563093	20	0.85165727
ENSG00000253771	13	TPTE2P1	25498815	rs12862994	13	25530088	C	T	0.132207	-0.0017468	0.0123256	0.887302	1.07333	0.120753	6.19E-19	-0.0016274	0.011485	0.8873163	0.8523993	20	0.98658093
ENSG00000122033	13	MTIF3	28009776	rs7317179	13	28043515	A	G	0.537773	0.0022167	0.00807291	0.783635	-0.403027	0.0611133	4.26E-11	-0.0055001	0.020048	0.7838177	0.647451	9	0.96142145
ENSG00000186184	13	POLR1D	28194903	rs12873937	13	28194089	A	T	0.055666	0.00859051	0.0245966	0.726897	0.680574	0.101701	2.20E-11	0.0126224	0.0361902	0.7272535	0.2045242	3	0.94746148
ENSG00000122025	13	FLT3	28577411	rs61944200	13	28602256	T	C	0.190855	0.0170466	0.0109322	0.118923	0.963709	0.065531	5.89E-49	0.0176885	0.0114075	0.1209952	0.6853142	16	0.66369299
ENSG00000139508	13	SLC46A3	29274201	rs913798	13	29293681	G	A	0.304175	0.0158163	0.00953186	0.0970532	0.305756	0.05367	1.22E-08	0.0517285	0.0324701	0.1111356	0.7308073	9	0.65086925
ENSG00000238121	13	LINC00426	30914407	rs1337940	13	30948970	A	T	0.466203	0.0149106	0.00839247	0.0756241	-0.576336	0.0670099	7.92E-18	-0.0258714	0.0148692	0.08187145	0.1803837	18	0.62886988
ENSG00000120669	13	SOHLH2	36742345	rs9531684	13	36836802	A	G	0.470179	0.0153024	0.00822013	0.0626628	1.09921	0.0796521	2.54E-43	0.0139213	0.00754595	0.06505692	0.9901658	20	0.59008044
ENSG00000242715	13	CCDC169	36801182	rs7327905	13	36797515	A	G	0.218688	0.0121783	0.0102579	0.235145	-0.830564	0.105633	3.76E-15	-0.0146627	0.0124905	0.2404329	0.6582886	20	0.75759563
ENSG00000120693	13	SMAD9	37418968	rs72648864	13	37494534	G	A	0.240557	-0.0192487	0.0104103	0.064457	0.465348	0.0646223	5.98E-13	-0.0413641	0.0230967	0.07330774	0.9059081	3	0.607546
ENSG00000236354	13	LINC00437	39107480	rs9532275	13	39338062	G	A	0.378728	-0.0115547	0.00820503	0.159057	-0.515992	0.0850049	1.28E-09	0.0223932	0.0163238	0.1701217	0.1554005	10	0.69495735
ENSG00000150893	13	FREM2	39261266	rs9532275	13	39338062	G	A	0.378728	-0.0115547	0.00820503	0.159057	-0.678504	0.0595271	4.27E-30	0.0170297	0.0121848	0.1622274	0.07432655	15	0.68549033
ENSG00000176268	13	CYCSP34	41437735	rs11147827	13	41491854	C	T	0.707753	-0.011502	0.00869609	0.185949	0.902748	0.104355	5.12E-18	-0.0127411	0.00974486	0.1910534	0.3398622	20	0.70441539
ENSG00000023516	13	AKAP11	42846289	rs9590686	13	42903018	G	A	0.235586	0.00754774	0.00885113	0.393802	-0.358841	0.0367431	1.57E-22	-0.0210337	0.0247597	0.3955971	0.7476	18	0.85165727
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-0.880642	0.0617619	3.96E-46	-0.0016545	0.0108392	0.8786788	0.4496433	15	0.98658093
ENSG00000227258	13	SMIM2-AS1	44716682	rs66786230	13	44711625	C	T	0.149105	0.00035869	0.0122742	0.976687	1.10293	0.139214	2.33E-15	0.00032522	0.0111288	0.9766868	0.3761517	14	0.99550269
ENSG00000170919	13	TPT1-AS1	45915480	rs35200401	13	45994867	A	G	0.111332	-0.0308054	0.016872	0.067875	0.540803	0.0978352	3.24E-08	-0.0569623	0.0328559	0.08297089	0.479694	4	0.63149811
ENSG00000235903	13	CPB2-AS1	46626941	rs17600984	13	46675714	A	C	0.261431	0.00027308	0.00886137	0.975416	1.00759	0.0754906	1.23E-40	0.00027102	0.00879464	0.9754156	0.1349141	19	0.99550269
ENSG00000139684	13	ESD	47345391	rs1018579	13	47376144	C	T	0.463221	0.00609381	0.00835975	0.466034	0.300275	0.0462446	8.40E-11	0.0202941	0.0280152	0.4688227	0.3308155	10	0.86418667
ENSG00000260388	13	LINC00562	48504290	rs2094195	13	48513426	C	T	0.947316	-0.0127435	0.0158181	0.420459	0.824382	0.12734	9.55E-11	-0.0154582	0.0193358	0.424023	0.9816208	12	0.86418667
ENSG00000102547	13	CAB39L	49882786	rs7998955	13	49945410	G	T	0.50994	-0.006019	0.0081927	0.462534	0.600488	0.0739653	4.72E-16	-0.0100235	0.0136992	0.4643579	0.00253205	17	0.86418667
ENSG00000136144	13	RCBTB1	50106082	rs7336027	13	50138802	T	C	0.513917	-0.0064643	0.00810949	0.425374	0.314542	0.046524	1.37E-11	-0.0205516	0.0259605	0.4285659	0.3839203	14	0.86418667
ENSG00000123179	13	EBPL	50234859	rs9562915	13	50283389	C	T	0.215706	-0.0025155	0.00980292	0.797486	-0.840652	0.0756971	1.18E-28	0.00299226	0.0116642	0.7975388	0.3566638	20	0.965513
ENSG00000204977	13	TRIM13	50570024	rs59931782	13	50539874	T	C	0.166998	-0.0128422	0.0101535	0.205943	0.443119	0.0728104	1.16E-09	-0.0289814	0.0234033	0.2155881	0.47672	8	0.7394203
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs9568483	13	51444889	G	A	0.737575	-0.0007448	0.00917037	0.935268	0.656777	0.103886	2.58E-10	-0.001134	0.0139638	0.9352731	0.2258509	14	0.99347767
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.765037	0.0523644	2.43E-48	-0.004937	0.0107285	0.6453893	0.4313403	20	0.92308109
ENSG00000197168	13	NEK5	52611093	rs61957359	13	52864935	T	C	0.0238569	0.0535343	0.0250402	0.0325222	-1.0949	0.168676	8.52E-11	-0.0488942	0.0240784	0.04229265	0.685803	17	0.50939963
ENSG00000136108	13	CKAP2	53029564	rs11620062	13	52994026	G	T	0.595427	-0.0044397	0.0081399	0.585461	-0.540359	0.0567498	1.70E-21	0.00821622	0.0150886	0.5860748	0.00659963	20	0.90003566
ENSG00000139675	13	HNRNPA1L2	53191605	rs9536190	13	53181044	C	T	0.408549	-0.0096741	0.00827749	0.242515	-0.613757	0.078935	7.52E-15	0.0157621	0.0136381	0.2477876	0.01487213	18	0.76274604
ENSG00000250299	13	MRPS31P4	53191693	rs61958133	13	53181503	G	A	0.45328	-0.0014845	0.00814503	0.855385	-0.39607	0.0721053	3.95E-08	0.00374795	0.0205759	0.8554634	0.1540021	9	0.98502986
ENSG00000150361	13	KLHL1	70274726	rs4254198	13	70606628	T	C	0.696819	0.00683982	0.00906993	0.450776	0.537789	0.0853886	3.01E-10	0.0127184	0.0169857	0.4539946	0.4959899	15	0.86418667
ENSG00000083535	13	PIBF1	73356197	rs9573051	13	73452857	A	G	0.267396	-0.0181523	0.0087504	0.0380365	-0.450019	0.067344	2.35E-11	0.0403367	0.0203599	0.04757051	0.8425542	7	0.53621652
ENSG00000136111	13	TBC1D4	75858808	rs1431825	13	75886304	C	G	0.375746	-0.0078506	0.00858545	0.360504	0.436468	0.0536694	4.20E-16	-0.0179866	0.0197942	0.3635188	0.03569355	5	0.840274
ENSG00000118939	13	UCHL3	76123619	rs9543976	13	76136648	A	G	0.878728	0.00423846	0.0128988	0.742462	0.824661	0.0953189	5.08E-18	0.00513964	0.0156526	0.742642	0.7251608	9	0.95108955
ENSG00000261105	13	RP11-173B14.5	76178836	rs11616974	13	76220623	C	G	0.555666	0.00549293	0.00811673	0.49857	-0.781009	0.0909818	9.14E-18	-0.0070331	0.0104249	0.4998991	0.222687	5	0.86872655
ENSG00000227354	13	RBM26-AS1	79980444	rs7993295	13	79880201	A	C	0.914513	-0.0019777	0.0104271	0.849568	-1.42576	0.133818	1.66E-26	0.00138713	0.00731452	0.8495911	0.2003177	16	0.98379235
ENSG00000165300	13	SLITRK5	88324870	rs76500515	13	88354233	G	A	0.083499	0.00619978	0.0134431	0.644665	0.315519	0.0568912	2.92E-08	0.0196495	0.0427534	0.645803	0.4310662	3	0.92308109
ENSG00000080166	13	DCT	95089558	rs9561589	13	95163585	T	C	0.308151	-0.0153713	0.0083886	0.0668929	0.820488	0.0803472	1.76E-24	-0.0187343	0.0103872	0.07129455	0.6262688	10	0.60077456
ENSG00000165621	13	OXGR1	97637973	rs9556649	13	97646583	C	A	0.59841	-0.0051114	0.00831274	0.538627	-0.424945	0.0630164	1.55E-11	0.0120285	0.0196431	0.5403058	0.09897294	13	0.88612583
ENSG00000260992	13	DOCK9-AS2	99740073	rs2390187	13	99739129	T	C	0.271372	-0.0066739	0.00895265	0.455993	-0.538243	0.06502	1.25E-16	0.0123993	0.0167004	0.4578101	0.05089389	20	0.86418667
ENSG00000139780	13	METTL21C	103338094	rs966724	13	103347428	G	T	0.621272	0.00083098	0.00856034	0.922668	0.561971	0.0766887	2.34E-13	0.00147869	0.015234	0.9226751	0.4051472	8	0.99149195
ENSG00000250878	13	METTL21EP	103532449	rs4150355	13	103523312	T	C	0.378728	0.00057681	0.00857843	0.946391	0.569643	0.074737	2.50E-14	0.00101259	0.0150599	0.9463929	0.2895273	20	0.99347767
ENSG00000272542	13	RP11-255P5.2	103541208	rs876430	13	103529284	G	A	0.698807	0.00191803	0.00841974	0.819801	0.50637	0.0926423	4.61E-08	0.0037878	0.0166421	0.8199541	0.5245699	7	0.97259053
ENSG00000272274	13	LINC00551	107270158	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.923886	0.0912305	4.20E-24	0.00094448	0.00903127	0.9167101	0.0865023	12	0.98848475
ENSG00000230156	13	LINC00443	107306264	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-1.09637	0.0853441	9.00E-38	0.00079589	0.00761029	0.9167084	0.05635322	12	0.98848475
ENSG00000213995	13	CARKD	111267881	rs330559	13	111278337	T	C	0.166004	0.0151648	0.0100099	0.129776	0.460342	0.0766238	1.88E-09	0.0329425	0.0224252	0.1418344	0.6063037	12	0.68030142
ENSG00000255874	13	LINC00346	111521578	rs67008969	13	111535439	C	T	0.243539	-0.0092392	0.00933377	0.322238	0.611116	0.0913769	2.26E-11	-0.0151186	0.0154397	0.3274804	0.04983421	7	0.82553269
ENSG00000088448	13	ANKRD10	111530887	rs4773274	13	111567385	C	T	0.371769	0.01444	0.0083009	0.0819351	-0.324188	0.0407241	1.71E-15	-0.0445421	0.0262094	0.08923124	0.8156405	6	0.64948716
ENSG00000235875	13	ARHGEF7-AS2	111766159	rs4771731	13	111768407	T	C	0.407555	0.00817934	0.00886846	0.356375	0.578985	0.0819028	1.56E-12	0.014127	0.0154471	0.3604307	0.1022845	10	0.840274
ENSG00000102606	13	ARHGEF7	111766906	rs3825461	13	111925387	C	T	0.304175	-0.0307522	0.0084159	0.00025813	0.275526	0.0375953	2.32E-13	-0.111613	0.034131	0.00107499	0.619943	11	0.19443108
ENSG00000153495	13	TEX29	111968531	rs942650	13	111980150	C	T	0.314115	-0.0027611	0.00892069	0.756929	0.701862	0.0835918	4.61E-17	-0.003934	0.0127187	0.7570885	0.1024567	10	0.9539366
ENSG00000267868	13	RP11-120K24.3	113619149	rs4907571	13	113618496	C	T	0.282306	-0.0029886	0.00839015	0.721686	0.562964	0.079757	1.68E-12	-0.0053087	0.0149225	0.7220255	0.3986928	8	0.94509525
ENSG00000235280	13	MCF2L-AS1	113621798	rs2993344	13	113617022	T	C	0.685885	0.00136809	0.00822372	0.867875	-0.529249	0.0696014	2.87E-14	-0.002585	0.0155422	0.8679057	0.6197989	9	0.98554401
ENSG00000057593	13	F7	113760105	rs2774033	13	113765235	A	G	0.115308	0.00807955	0.0155941	0.604376	-0.399299	0.0680331	4.38E-09	-0.0202343	0.0392056	0.6057785	0.6878423	6	0.90555682
ENSG00000153531	13	ADPRHL1	114076260	rs3751415	13	114055313	C	A	0.584493	-0.0008614	0.00812235	0.915539	-0.318412	0.0571845	2.57E-08	0.00270533	0.0255136	0.9155544	0.8392041	3	0.98848475
ENSG00000150403	13	TMCO3	114145310	rs9577570	13	114216310	T	C	0.167992	0.00916405	0.0112657	0.415961	-0.37283	0.0632496	3.76E-09	-0.0245797	0.0305031	0.4203522	0.2088512	12	0.86418667
ENSG00000184497	13	TMEM255B	114462216	rs3935960	13	114488301	G	T	0.0924453	-0.007393	0.0111991	0.509159	-0.639689	0.110012	6.07E-09	0.0115572	0.0176196	0.5118677	0.5362785	9	0.8770919
ENSG00000185989	13	RASA3	114747194	rs6560956	13	114816003	A	G	0.399602	-0.0044213	0.00829888	0.594202	-0.396237	0.0560635	1.58E-12	0.0111582	0.0210037	0.5952454	0.6283398	20	0.90274869
ENSG00000100814	14	CCNB1IP1	20779527	rs2781366	14	20828484	C	T	0.512922	0.00955556	0.0081394	0.2404	-0.488224	0.0635491	1.56E-14	-0.0195721	0.016865	0.2458385	0.8777195	15	0.76123939
ENSG00000129484	14	PARP2	20811741	rs12323610	14	20832318	C	T	0.275348	0.013479	0.00893429	0.131381	0.266763	0.0398257	2.11E-11	0.050528	0.0343305	0.141072	0.822644	17	0.67926006
ENSG00000092094	14	OSGEP	20914570	rs2275007	14	20920250	C	T	0.628231	0.0120996	0.00856976	0.157981	0.675797	0.0473581	3.37E-46	0.0179042	0.0127429	0.1600111	0.1022658	20	0.68549033

ENSG00000258515	14	RP11-203M5.7	20919464	rs2275006	14	20920340	G	A	0.632207	0.0101428	0.00861767	0.239205	0.505181	0.0611269	1.40E-16	0.0200776	0.0172307	0.2439299	0.00659171	9	0.76083381
ENSG00000092203	14	TOX4	21944756	rs12435917	14	21959550	G	A	0.657058	-0.005671	0.00835914	0.497504	0.204149	0.0341464	2.25E-09	-0.0277788	0.041209	0.5002507	0.1878188	4	0.86872655
ENSG00000100461	14	RBM23	23369854	rs11557895	14	23388231	A	G	0.0168986	-0.0275164	0.0279976	0.325699	-1.30707	0.183396	1.03E-12	0.021052	0.0216228	0.3302555	0.6368771	6	0.82863501
ENSG00000257285	14	RP11-298I3.1	23398818	rs34026312	14	23398995	A	G	0.342942	-0.0041446	0.00875226	0.635823	0.778046	0.0924075	3.77E-17	-0.005327	0.0112668	0.6363549	0.3307135	11	0.92139094
ENSG00000092036	14	HAUS4	23415437	rs4981455	14	23422453	G	A	0.542744	-0.0058441	0.00807651	0.469318	-0.526058	0.0473187	1.03E-28	0.0111092	0.0153854	0.4702571	0.0367534	20	0.86418667
ENSG00000215256	14	DHRS4-AS1	24407940	rs4457918	14	24422995	G	T	0.0516899	-0.0270991	0.0509292	0.59466	-0.769714	0.0989352	7.25E-15	0.0352067	0.066321	0.5955203	0.6049997	20	0.9028001
ENSG00000187630	14	DHRS4L2	24439148	rs73600715	14	24420204	C	T	0.0984095	-0.0043384	0.0181463	0.811043	-0.859169	0.0962311	4.33E-19	0.00504958	0.0211283	0.811109	0.376552	20	0.97005522
ENSG00000100889	14	PCK2	24563262	rs4982856	14	24563212	C	T	0.646123	0.0124215	0.00848904	0.143402	-0.412853	0.0598971	5.47E-12	-0.030087	0.0210201	0.1523321	0.8550973	6	0.68186912
ENSG00000092295	14	TGM1	24718320	rs2180196	14	24734645	A	G	0.143141	0.0100715	0.0125912	0.423778	0.741433	0.103723	8.79E-13	0.0135838	0.0170882	0.4266585	0.1872451	5	0.86418667
ENSG00000157379	14	DHRS1	24759804	rs12892419	14	24768534	T	G	0.49503	0.010087	0.00805672	0.210573	-0.624897	0.0726395	7.79E-18	-0.0161419	0.0130287	0.2153654	0.2195544	20	0.7394203
ENSG00000129467	14	ADCY4	24787555	rs3181256	14	24800879	A	G	0.687873	0.00559846	0.00833635	0.501856	-0.337497	0.0615777	4.23E-08	-0.0165882	0.0248853	0.5050362	0.2254761	6	0.87341411
ENSG00000205978	14	NYNRIN	24867992	rs6573778	14	24872209	C	T	0.507952	0.00575084	0.00827099	0.486865	0.255771	0.0455582	1.98E-08	0.0224843	0.0325845	0.4901749	0.9111271	6	0.86806745
ENSG00000139899	14	CBLN3	24895738	rs1956905	14	24900209	G	C	0.760437	-0.0018427	0.00875039	0.833215	0.842125	0.0922355	6.84E-20	-0.0021881	0.0103936	0.8332585	0.1010686	6	0.9781418
ENSG00000168952	14	STXBP6	25278862	rs10134818	14	25465855	C	T	0.289264	-0.0241437	0.00952099	0.0112179	-0.316636	0.052275	1.39E-09	0.0762506	0.032598	0.01932919	0.03237484	5	0.39537444
ENSG00000203546	14	RP11-176H8.1	31803518	rs34024670	14	31896969	A	G	0.387674	-0.0043272	0.00808191	0.592358	0.603246	0.0919442	5.34E-11	-0.0071733	0.0134419	0.5935845	0.8136006	15	0.90254426
ENSG00000129480	14	DTD2	31915242	rs60089901	14	31741745	A	C	0.152087	-0.0084355	0.0114494	0.461266	-0.532745	0.0832123	1.53E-10	0.015834	0.0216332	0.4642095	0.9049313	6	0.86418667
ENSG00000151327	14	FAM177A1	35514113	rs1741177	14	35383219	A	G	0.699801	0.0073468	0.0093862	0.433789	0.287163	0.0443871	9.83E-11	0.0255841	0.0329243	0.4371251	0.6579077	12	0.86418667
ENSG00000092020	14	PPP2R3C	35554673	rs8019351	14	35588296	C	A	0.313121	-0.0220902	0.0087175	0.0112766	-0.519297	0.0565427	4.15E-20	0.0425387	0.0174144	0.01457652	0.6584351	20	0.36922688
ENSG00000174373	14	RALGAPA1	36007558	rs28475108	14	36142579	A	T	0.147117	-0.0312419	0.0111121	0.00493072	0.544571	0.0832359	6.05E-11	-0.0573697	0.0222096	0.00979145	0.4804438	5	0.33961812
ENSG00000165502	14	RPL36AL	50085237	rs3007042	14	50095335	G	A	0.760437	-0.0096268	0.00961837	0.316887	0.641842	0.0592362	2.34E-27	-0.0149987	0.0150494	0.3189429	0.7794913	20	0.81665079
ENSG00000100483	14	VCPKMT	50575350	rs743076	14	50715219	G	A	0.184891	0.0194862	0.00916759	0.0335405	-0.393243	0.0661056	2.70E-09	-0.0495526	0.0247563	0.04532623	0.8486544	12	0.525672
ENSG00000125375	14	ATP5S	50779044	rs8008345	14	50814564	G	A	0.67992	0.0100333	0.00899938	0.264898	-0.367939	0.0637508	7.86E-09	-0.0272689	0.0249111	0.2736693	0.1998188	11	0.78610772
ENSG00000151748	14	SAV1	51098776	rs2934687	14	51111889	A	G	0.687873	0.00160518	0.00910488	0.860059	-0.270728	0.045051	1.86E-09	-0.0059291	0.0336456	0.8601187	0.8606785	15	0.98554401
ENSG00000100504	14	PYGL	51324609	rs11627694	14	51443968	T	C	0.0447316	0.00442128	0.0173991	0.799411	0.802049	0.126557	2.34E-10	0.00551248	0.0217107	0.7995684	0.519329	3	0.965513
ENSG00000258711	14	RP11-218E20.3	51422977	rs11627694	14	51443968	T	C	0.0447316	0.00442128	0.0173991	0.799411	1.67183	0.241811	4.72E-12	0.00264458	0.0104142	0.7995433	0.7504244	7	0.965513
ENSG00000087301	14	TXNDC16	52897308	rs76221271	14	53032293	G	C	0.0626243	-0.0052378	0.0201847	0.795254	-0.597691	0.0960079	4.80E-10	0.00876342	0.0338005	0.7954274	0.6304385	9	0.965513
ENSG00000100523	14	DDHD1	53510686	rs67479680	14	53649881	G	A	0.154076	-0.0295834	0.0126904	0.0197447	-0.45712	0.071062	1.25E-10	0.0647169	0.0295284	0.02840219	0.4854883	16	0.43604346
ENSG00000237356	14	AL163953.3	53635772	rs56744189	14	53694210	A	C	0.233598	-0.0143143	0.00953104	0.133133	0.586329	0.105339	2.60E-08	-0.0244134	0.0168368	0.147057	0.9875857	3	0.68107362
ENSG00000100528	14	CNIH1	54893654	rs112586652	14	54906305	T	G	0.148111	-0.0084182	0.0116732	0.470811	0.41536	0.0686494	1.44E-09	-0.0202673	0.0283027	0.4739352	0.9861174	4	0.86418667
ENSG00000258413	14	RP11-665C16.6	55729485	rs943590	14	55738596	C	T	0.44334	0.00174436	0.0080655	0.828775	-0.68672	0.08378	2.47E-16	-0.0025401	0.011749	0.8288326	0.6493087	20	0.9766615
ENSG00000126775	14	ATG14	55833110	rs6573020	14	55871452	T	C	0.426441	0.0028491	0.00809451	0.724855	0.372319	0.0547903	1.08E-11	0.00765231	0.0217699	0.7252072	0.7930109	20	0.94540164
ENSG00000131966	14	ACTR10	58666798	rs17832891	14	58678057	A	G	0.0427435	-0.0534463	0.0181944	0.00330857	-0.526699	0.0859777	9.01E-10	0.101474	0.0383104	0.00807934	0.6978498	5	0.31081905
ENSG00000181619	14	GPR135	59895740	rs1272107	14	59902237	A	G	0.593439	-0.0005579	0.00933754	0.952355	0.393358	0.0695253	1.53E-08	-0.0014183	0.0237393	0.952358	0.1439211	10	0.99347767
ENSG00000126790	14	L3HYPDH	59927081	rs1268584	14	59950417	G	T	0.418489	-0.0076637	0.00883194	0.385546	-0.745205	0.0665058	3.85E-29	0.010284	0.0118872	0.3869664	0.07590805	20	0.84859336
ENSG00000100612	14	DHRS7	60610838	rs944445	14	60628608	A	G	0.150099	0.00941148	0.0127687	0.461075	-0.444234	0.0631137	1.94E-12	-0.0211859	0.0289004	0.4635183	0.8734669	8	0.86418667
ENSG00000100614	14	PPM1A	60712470	rs61992495	14	60745330	C	T	0.137177	-0.0004901	0.0132788	0.970556	0.291934	0.0417753	2.78E-12	-0.0016789	0.0454863	0.9705559	0.00584088	13	0.99471489
ENSG00000258289	14	CHURC1	65381079	rs10142016	14	65375444	G	T	0.186879	0.00764242	0.0096039	0.42617	0.988057	0.072929	8.12E-42	0.0077348	0.00973674	0.4269667	0.9449829	20	0.86418667
ENSG00000100554	14	ATP6V1D	67761088	rs10152002	14	67698916	G	A	0.0427435	-0.0351819	0.0183491	0.0551925	0.388975	0.0663182	4.48E-09	-0.0904477	0.0496295	0.06838558	0.04728007	14	0.59485717
ENSG00000100564	14	PIGH	68048672	rs10131404	14	68065844	A	G	0.576541	-0.0024454	0.00810328	0.762825	0.578511	0.0677751	1.39E-17	-0.004227	0.0140159	0.7629679	0.4030902	8	0.9549947
ENSG00000259038	14	CTD-2325P2.4	69093883	rs4902620	14	69095504	A	C	0.12326	0.0149916	0.0104499	0.151398	0.551264	0.0844465	6.67E-11	0.027195	0.0194086	0.1611604	0.7170042	10	0.68549033
ENSG00000175985	14	PLEKHD1	69951409	rs4902723	14	69966850	A	G	0.128231	0.0142656	0.0124656	0.252457	0.427077	0.0663233	1.20E-10	0.0334029	0.0296455	0.2598516	0.9038469	6	0.7755295
ENSG00000133983	14	COX16	70791798	rs11623369	14	70821164	A	G	0.162028	0.00830879	0.0101641	0.413663	-0.534047	0.0708536	4.80E-14	-0.0155582	0.0191438	0.4163908	0.6968515	20	0.86418667
ENSG00000100731	14	PCNX	71374122	rs7160958	14	71442526	A	C	0.462227	0.0186174	0.00809854	0.0215134	-0.406497	0.0428272	2.28E-21	-0.0457996	0.0204988	0.02546593	0.1972718	20	0.43085467
ENSG00000258695	14	RP3-414A15.2	73989582	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.554485	0.0897278	6.42E-10	-0.0342334	0.0156823	0.0290407	0.1027904	15	0.4404424
ENSG00000184227	14	ACOT1	74003818	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.668589	0.0753396	7.04E-19	-0.028391	0.012581	0.0240292	0.1838596	20	0.42478916
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.756038	0.0803078	4.76E-21	-0.0251071	0.0110856	0.0235228	0.2581296	20	0.42363658
ENSG00000119673	14	ACOT2	74034324	rs8015976	14	74055115	A	G	0.745527	0.018678	0.00923757	0.0431807	-0.632179	0.066998	3.88E-21	-0.0295454	0.014944	0.04803287	0.3427768	20	0.53621652
ENSG00000177465	14	ACOT4	74058410	rs3742819	14	74058832	T	C	0.392644	-0.0067287	0.00840019	0.423123	0.578555	0.0702606	1.80E-16	-0.0116301	0.0145878	0.4253054	0.02030831	17	0.86418667
ENSG00000205669	14	ACOT6	74077649	rs10150828	14	74077485	T	C	0.464215	-0.0008424	0.00826556	0.918825	-0.488959	0.080891	1.50E-09	0.00172279	0.0169068	0.9188365	0.2733779	4	0.98963816
ENSG00000119661	14	DNAL1	74111578	rs2018718	14	74145940	T	G	0.243539	0.0063523	0.00889049	0.474915	0.322239	0.0501513	1.32E-10	0.019713	0.0277598	0.4776248	0.04654129	10	0.86418667
ENSG00000259065	14	RP5-1021I20.1	74254063	rs12887033	14	74292128	T	C	0.125249	-0.0162516	0.0106719	0.127798	1.08112	0.0953873	8.90E-30	-0.0150322	0.00995985	0.1312277	0.9063989	20	0.67084532
ENSG00000140043	14	PTGR2	74318547	rs8020267	14	74318714	G	A	0.90159	-0.0144917	0.0156902	0.355688	-0.530909	0.0639371	1.01E-16	0.027296	0.0297357	0.3586431	0.8985948	20	0.840274
ENSG00000205659	14	LIN52	74551499	rs7153160	14	74509377	T	C	0.343936	-0.0020382	0.00889792	0.818823	0.387266	0.0649872	2.54E-09	-0.0052629	0.0229932	0.8189543	0.9940165	3	0.97258841
ENSG00000119703	14	ZC2HC1C	75530873	rs2268621	14	75641541	G	C	0.49006	-0.0009508	0.00805541	0.906038	-0.373899	0.0636212	4.18E-09	0.00254303	0.0215487	0.906057	0.1531149	13	0.98658093
ENSG00000259319	14	RP11-293M10.6	75890386	rs4899563	14	75884983	T	C	0.534791	0.0264704	0.00809159	0.00107036	0.231001	0.0360143	1.42E-10	0.11459	0.0393211	0.00356593	0.1284843	10	0.27595415
ENSG00000119685	14	TTLL5	76099968	rs2302592	14	76129287	G	C	0.664016	-0.0152341	0.00920616	0.0979693	0.387822	0.0560731	4.63E-12	-0.0392812	0.0244081	0.1075395	0.6226177	14	0.65086925
ENSG00000119715	14	ESRRB	76776957	rs12896180	14	76682956	T	G	0.522863	-0.0073718	0.00806235	0.360535	0.638829	0.106447	1.96E-09	-0.0115395	0.0127661	0.3660402	0.07622176	17	0.840274
ENSG00000259081	14	RP11-488C13.6	77240627	rs57335731	14	77276622	C	A	0.10835	-0.0114742	0.0113158	0.310585	0.75925	0.124745	1.15E-09	-0.0151125	0.0151093	0.3172078	0.2138697	6	0.81665079
ENSG00000165548	14	TMEM63C	77582911	rs8006676	14	77713580	T	G	0.135189	-0.0038873	0.0122659	0.751303	0.399258	0.0475055	4.30E-17	-0.0097364	0.0307436	0.7514738	0.8472936	11	0.95264532
ENSG00000269883	14	AC007375.1	77607026	rs754119	14	77609319	G	A	0.628231	0.0119187	0.00814244	0.143255	-0.588316	0.063366	1.63E-20	-0.020259	0.0140112	0.148201	0.4966654	5	0.68107362
ENSG00000100577	14	GSTZ1	77787227	rs2270421	14	77787088	T	C	0.287276	-0.0004271	0.00837072	0.959308	0.513628	0.0587922	2.41E-18	-0.0008315	0.0162975	0.9593089	0.1152915	20	0.99347767
ENSG00000100580	14	TMED8	77801364	rs11159260	14	77917412	G	A	0.192843	0.00703041	0.0109188	0.519652	0.299886	0.0530527	1.58E-08	0.0234436	0.0366453	0.5223389	0.6143776	8	0.88205082
ENSG00000100591	14	AHSA1	77924213	rs35881785	14	77873571	T	C	0.502982	-0.010353	0.00806329	0.199152	0.182213	0.0303643	1.96E-09	-0.0568181	0.0452536	0.2092794	0.4394664	6	0.73192759
ENSG00000063761	14	ADCK1	78266426	rs17106595	14	78374292	T	C	0.148111	-0.0128656	0.0113881	0.258587	-0.372752	0.06369	4.84E-09	0.0345152	0.0311154	0.2673166	0.6232689	7	0.78198773
ENSG00000042317	14	SPATA7	88851268	rs3179969	14	88862529	A	G	0.300199	-0.0076194	0.00893211	0.393639	-0.738851	0.0545608	8.86E-42	0.0103125	0.0121132	0.3945752	0.6892148	20	0.85093765
ENSG00000258983	14	RP11-507K2.2	88965678	rs12587528	14	88953996	G	T	0.228628	-0.0103685	0.00942571	0.271322	0.678082	0.0944472	7.00E-13	-0.0152909	0.0140628	0.2768891	0.8957932	12	0.78684318
ENSG00000015133	14	CCDC88C	91737667	rs1285841	14	91881387	T	C	0.477137	0.00273514	0.00839093	0.744451	0.387901	0.0551368	1.99E-12	0.00705113	0.0216548	0.744716	0.7487295	13	0.95179329
ENSG00000260711	14	RP11-747H7.3	92223103	rs58763793	14	92297571	T	C	0.447316	0.00271395	0.008096	0.737459	0.518334	0.0736881	2.00E-12	0.00523591	0.015637	0.737745	0.9342924	14	0.94997803
ENSG00000165929	14	TC2N	92246095	rs58763793	14	92297571	T	C	0.447316	0.00271395	0.008096	0.737459	0.697352	0.0688446	4.09E-24	0.00389179	0.011616	0.7375967	0.9492851	16	0.94997803
ENSG00000165934	14	CPSF2	92588281	rs7149665	14	92590120	T	C	0.170974	0.00758349	0.010266	0.460088	-0.4571	0.0562643	4.50E-16	-0.0165904	0.0225516	0.4619347	0.7962208	3	0.86418667
ENSG00000133958	14	UNC79	93799565	rs2759671	14	93941304	T	C	0.215706	0.00712984	0.00921596	0.439144	0.286909	0.0398124	5.74E-13	0.0248505	0.0323061	0.4417623	0.2443507	20	0.86418667
ENSG00000165948	14	IFI27L1	94547628	rs882269	14	94566559	T	C	0.513917	0.00852258	0.00841203	0.310993	0.480977	0.0561252	1.04E-17	0.0177193	0.0176113	0.3143506	0.5990807	17	0.81435501
ENSG00000119632	14	IFI27L2	94594116	rs2273514	14	94595989	C	T	0.16501	-0.0038338	0.00979191	0.695409	-0.426911	0.0427154	1.61E-23	0.0089803	0.0229542	0.6956301	0.8341616	16	0.94090446
ENSG00000182512	14	GLRX5	95999840	rs7157963	14	96008866	T	A	0.784294	-0.0066587	0.0100853	0.509102	0.305433	0.0549589	2.74E-08	-0.0218007	0.0332519	0.5120662	0.1530186	3	0.8770919
ENSG00000100739	14	BDKRB1	96722161	rs73361631	14	96716889	T	A	0.0795229	0.00120225	0.0160637	0.94034	1.15062	0.159739	5.88E-13	0.00104487	0.0139617	0.9403431	0.9403918	4	0.99347767
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-1.02221	0.10025	2.05E-24	-0.0176485	0.0124461	0.1561917	0.1873866	8	0.68549033
ENSG00000100749	14	VRK1	97263641	rs77347253	14	97359270	C	T	0.132207	0.00390046	0.0133656	0.770419	-0.509348	0.0899609	1.50E-08	-0.0076578	0.0262754	0.7707138	0.7559642	5	0.95757675
ENSG00000168350	14	DEGS2	100612756	rs4905934	14	100608652	G	A	0.659046	0.00521859	0.00888905	0.55715	0.374806	0.0602446	4.93E-10	0.0139234	0.0238218	0.5588946	0.1765317	12	0.89128104
ENSG00000230805	14	AL132709.1	101540206	rs2295654	14	101539197	T	C	0.240557	0.00077337	0.00878511	0.929852	-0.617932	0.0930247	3.08E-11	-0.0012515	0.0142182	0.9298578	0.2936729	8	0.99322707
ENSG00000271780	14	RP11-1017G21.5	102414684	rs2448241	14	102414767	A	G	0.084493	0.00781294	0.0125819	0.534621	0.967369	0.121434	1.64E-15	0.00807648	0.0130458	0.535858	0.1149008	20	0.88585906
ENSG00000272444	14	RP11-1017G21.6	102418753	rs2448241	14	102414767	A	G	0.084493	0.00781294	0.0125819	0.534621	0.854898	0.138331	6.41E-10	0.00913903	0.0147915	0.5366706	0.1165817	7	0.88585906
ENSG00000156381	14	ANKRD9	102973179	rs4900538	14	102994065	C	T	0.633201	-0.0081784	0.00811794	0.313718	0.398657	0.0445134	3.37E-19	-0.020515	0.0204917	0.3167605	0.05574921	20	0.81665079
ENSG00000131323	14	TRAF3	103243813	rs7145882	14	103255461	C	T	0.67495	-0.01453	0.00846801	0.0861847	-0.237055	0.0362866	6.45E-11	0.0612938	0.0369333	0.09699897	0.00903677	18	0.65086925
ENSG00000259775	14	RP11-45P15.4	103798011	rs12432904	14	103812320	T	G	0.345924	-0.0243858	0.00844486	0.00388132	0.545334	0.0645998	3.13E-17	-0.0447172	0.0163666	0.00629089	0.4568651	16	0.30017552
ENSG00000269958	14	RP11-73M18.8	104162690	rs709399	14	104167545	A	G	0.683897	0.0296939	0.00901109	0.00098331	0.273616	0.0402299	1.04E-11	0.108524	0.0365952	0.00302168	0.9773988	14	0.26201963
ENSG00000156414	14	TDRD9	104394799	rs2269186	14	104379912	T	C	0.285288	-0.0083053	0.00922563	0.36799	0.713517	0.0780617	6.22E-20	-0.01164	0.0129924	0.3703006	0.6027838	20	0.84066019
ENSG00000166183	14	ASPG	104552016	rs1770987	14	104555321	G	A	0.158052	0.0222785	0.0102919	0.0304145	-0.607197	0.109283	2.76E-08	-0.0366907	0.0181908	0.04369615	0.9138623	5	0.51544583
ENSG00000184990	14	SIVA1	105219437	rs77631658	14	105227822	G	A	0.191849	-0.00626	0.0103471	0.545184	0.512118	0.0709315	5.20E-13	-0.0122236	0.0202753	0.5465867	0.6069369	10	0.8868228
ENSG00000258701	14	LINC00638	105287538	rs12878750	14	105309608	T	C	0.821074	0.00698091	0.00950719	0.46278	0.651728	0.102169	1.78E-10	0.0107114	0.014684	0.4657203	0.179173	18	0.86418667
ENSG00000140104	14	C14orf79	105452112	rs2819458	14	105448337	G	A	0.223658	0.0116948	0.00903633	0.195596	0.618561	0.0532786	3.67E-31	0.0189065	0.0146991	0.1983624	0.4996188	20	0.71863206
ENSG00000183828	14	NUDT14	105639275	rs11625865	14	105644421	A	G	0.616302	-0.0089354	0.00832573	0.28317	0.46069	0.0392933	9.56E-32	-0.0193957	0.0181479	0.2851789	0.262351	20	0.79593379
ENSG00000259905	15	PWRN1	24738284	rs7167211	15	24800374	A	C	0.404573	-0.0026053	0.00817572	0.749981	0.731208	0.083061	1.33E-18	-0.003563	0.0111884	0.7501384	0.05375597	20	0.95264532
ENSG00000206187	15	RP11-1084I9.1	26147507	rs4906840	15	26273944	G	A	0.180915	0.00357841	0.00933719	0.701539	0.635784	0.093314	9.53E-12	0.00562834	0.0147093	0.7019883	0.05955815	6	0.94255443
ENSG00000206149	15	HERC2P9	28834638	rs8036234	15	28962131	A	G	0.05666	0.0115823	0.0140376	0.40932	-0.623377	0.0967493	1.17E-10	-0.0185799	0.0227025	0.4131241	0.8493089	11	0.86418667
ENSG00000261377	15	RP11-578F21.12	29034810	rs57942058	15	29077460	G	T	0.168986	-0.0021343	0.0141455	0.880066	-1.13933	0.0688513	1.66E-61	0.00187333	0.0124161	0.8800716	0.2195185	18	0.98658093
ENSG00000215302	15	CTD-3092A11.1	30762982	rs2046362	15	30936285	G	A	0.500994	-0.0121711	0.00807346	0.131672	-0.726194	0.0984144	1.60E-13	0.0167601	0.0113471	0.1396665	0.3891163	8	0.67926006
ENSG00000270055	15	CTD-3092A11.2	30780166	rs16956707	15	31641633	A	G	0.0487078	0.0326696	0.0219662	0.136944	-1.27271	0.203848	4.28E-10	-0.0256693	0.0177423	0.1479574	0.3634918	17	0.68107362
ENSG00000261794	15	GOLGA8H	30896329	rs4779764	15	31010475	C	T	0.531809	-0.0156665	0.00806864	0.0521783	0.579938	0.0934653	5.47E-10	-0.0270141	0.0145782	0.06387596	0.3501703	15	0.58360816
ENSG00000198690	15	FAN1	31196055	rs34909055	15	31284170	T	C	0.318091	-0.0189292	0.00845772	0.0252145	0.334733	0.0510431	5.46E-11	-0.0565501	0.026698	0.03416335	0.4276751	20	0.46036171
ENSG00000270015	15	RP11-540B6.6	31218717	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	0.46867	0.0514465	8.25E-20	0.0328333	0.0178255	0.06548596	0.1306	20	0.59110941
ENSG00000134160	15	TRPM1	31293264	rs3809579	15	31394322	T	C	0.584493	0.006059	0.00808677	0.453708	-0.913668	0.0718118	4.40E-37	-0.0066315	0.00886622	0.4544887	0.8940675	9	0.86418667
ENSG00000206127	15	GOLGA8O	32737307	rs1062254	15	32898631	G	C	0.353877	0.00358085	0.00879015	0.683735	0.826831	0.0950555	3.37E-18	0.00433081	0.0106428	0.6840633	0.4770054	5	0.93556083
ENSG00000254912	15	RP11-632K20.2	32786204	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	1.1038	0.101251	1.13E-27	0.00043008	0.00869661	0.9605581	0.88448	7	0.99347767
ENSG00000232653	15	GOLGA8N	32885657	rs62000954	15	32898811	C	G	0.789264	0.0132159	0.0101661	0.193603	-0.853854	0.0901754	2.83E-21	-0.0154779	0.0120178	0.1977753	0.7630696	9	0.71789368
ENSG00000198826	15	ARHGAP11A	32907345	rs73369102	15	32907712	T	C	0.280318	0.00916809	0.00916531	0.317164	-0.566137	0.0754137	6.05E-14	-0.0161941	0.0163323	0.3214221	0.5173593	7	0.8185229
ENSG00000259446	15	RP11-489D6.2	33595858	rs2670948	15	33595844	T	G	0.518887	-0.0057639	0.00807599	0.475404	-0.799768	0.0701681	4.28E-30	0.00720702	0.0101177	0.4762679	0.3798372	20	0.86418667
ENSG00000169857	15	AVEN	34158428	rs602302	15	34294792	G	A	0.779324	0.0106826	0.00964087	0.267838	0.677638	0.0863323	4.19E-15	0.0157645	0.0143682	0.2725649	0.184259	12	0.78596916
ENSG00000184984	15	CHRM5	34260921	rs9707955	15	34347255	C	T	0.285288	-0.0206556	0.00875281	0.0182806	0.667912	0.0938938	1.13E-12	-0.0309256	0.013807	0.02510106	0.2400503	9	0.4293542
ENSG00000182405	15	PGBD4	34394274	rs1436923	15	34394273	A	C	0.902584	-0.0127456	0.0140311	0.363676	-0.529424	0.0884039	2.12E-09	0.0240745	0.0268057	0.3691274	0.268054	4	0.840274
ENSG00000250007	15	RP11-814P5.1	35047285	rs1402857	15	35062779	C	A	0.329026	-0.0212366	0.00880738	0.015899	0.490806	0.0703446	3.01E-12	-0.0432688	0.0189861	0.02266856	0.03577891	15	0.41881492
ENSG00000128829	15	EIF2AK4	40226347	rs8208	15	40328665	A	G	0.705765	-0.0076812	0.00867555	0.37595	0.385699	0.0627621	7.98E-10	-0.019915	0.0227253	0.3808484	0.5162034	5	0.84640362
ENSG00000248508	15	SRP14-AS1	40331512	rs8208	15	40328665	A	G	0.705765	-0.0076812	0.00867555	0.37595	0.329393	0.04554	4.72E-13	-0.0233192	0.0265346	0.3794973	0.7739054	5	0.84640362
ENSG00000140323	15	DISP2	40650436	rs56221586	15	40650402	G	C	0.153082	0.011199	0.011441	0.327654	0.325726	0.0418676	7.26E-15	0.0343817	0.0354015	0.3314531	0.1235338	5	0.82926226
ENSG00000128944	15	KNSTRN	40674922	rs55982218	15	40728810	T	C	0.0974155	-0.0281727	0.0114002	0.0134645	1.50876	0.111302	7.34E-42	-0.0186728	0.00768054	0.01504989	0.489822	20	0.37385671
ENSG00000128928	15	IVD	40697686	rs7165012	15	40654038	G	A	0.532803	-0.0027433	0.00851829	0.747412	0.399774	0.0478099	6.18E-17	-0.0068622	0.0213236	0.7475934	0.00712945	16	0.95189833
ENSG00000128891	15	C15orf57	40820882	rs12913739	15	40882965	A	G	0.457256	0.0295534	0.00829489	0.00036686	-0.528238	0.0625819	3.15E-17	-0.0559471	0.0170445	0.00102923	0.04064385	19	0.19443108
ENSG00000104140	15	RHOV	41164412	rs618916	15	41172773	C	T	0.766402	-0.0219186	0.0105457	0.0376695	-0.378796	0.0489158	9.65E-15	0.0578639	0.0288254	0.04470788	0.26731	16	0.52336162
ENSG00000137804	15	NUSAP1	41624892	rs7167706	15	41569644	A	C	0.262425	0.0101519	0.00921543	0.270629	1.02445	0.0949377	3.81E-27	0.00990961	0.00904225	0.2731122	0.01144397	20	0.78596916
ENSG00000137806	15	NDUFAF1	41679551	rs2730056	15	41735785	G	A	0.269384	0.0225806	0.00882653	0.0105196	-0.8668	0.0741434	1.42E-31	-0.0260505	0.0104238	0.0124499	0.04431752	20	0.3603961
ENSG00000103932	15	RPAP1	41809374	rs11632399	15	41822323	T	C	0.517893	0.00538067	0.0080655	0.504695	-0.576279	0.0528177	1.02E-27	-0.0093369	0.014022	0.505489	0.5740874	20	0.87341411
ENSG00000137802	15	MAPKBP1	42066632	rs7163022	15	41884099	C	T	0.43837	-0.0115671	0.00807587	0.152055	0.202472	0.0322267	3.33E-10	-0.0571294	0.0409097	0.1625716	0.8878136	20	0.68549033
ENSG00000243708	15	PLA2G4B	42120283	rs2303516	15	42128568	G	C	0.355865	0.016524	0.00823531	0.0448043	0.336792	0.0456646	1.64E-13	0.0490629	0.025341	0.05285398	0.3345935	20	0.55150699
ENSG00000137877	15	SPTBN5	42140345	rs28547280	15	42202647	C	T	0.431412	-0.0161181	0.00821016	0.0496238	-0.335798	0.0521523	1.20E-10	0.0479994	0.0255609	0.06040267	0.5252953	20	0.56909091
ENSG00000103966	15	EHD4	42190950	rs72726030	15	42251631	A	T	0.11829	-0.0172585	0.0152197	0.256812	0.59817	0.0987641	1.39E-09	-0.0288522	0.0258859	0.2650259	0.8608339	3	0.77972167
ENSG00000140326	15	CDAN1	43015757	rs2412740	15	43009448	C	T	0.229622	0.0002506	0.00930475	0.978513	0.370653	0.0646979	1.01E-08	0.00067611	0.0251039	0.9785136	0.7126708	7	0.99550269
ENSG00000168803	15	ADAL	43622872	rs7175434	15	43628542	C	A	0.127237	0.00625321	0.0142143	0.659991	-0.990611	0.0958799	5.06E-25	-0.0063125	0.014362	0.6602807	0.09012205	20	0.93037449
ENSG00000242866	15	STRC	43891596	rs2447215	15	43941722	T	C	0.2833	-0.0222593	0.0112235	0.0473358	0.575635	0.0628518	5.26E-20	-0.0386691	0.0199495	0.05258062	0.3131792	20	0.55150699
ENSG00000249839	15	AC011330.5	43955852	rs2470135	15	43995789	T	C	0.290258	-0.0252286	0.0102766	0.0140903	-0.688139	0.0833028	1.45E-16	0.0366621	0.0155794	0.01861079	0.1934122	20	0.38947497
ENSG00000223572	15	CKMT1A	43985084	rs2467426	15	43989518	G	A	0.105368	-0.0082102	0.0148669	0.580778	0.39159	0.0658251	2.70E-09	-0.0209663	0.0381287	0.5823994	0.2120756	6	0.89957103
ENSG00000205771	15	CATSPER2P1	44019116	rs117091329	15	44036768	A	T	0.0357853	-0.0047462	0.0168625	0.778354	-1.28661	0.216382	2.75E-09	0.00368893	0.0131208	0.7785949	0.8151662	16	0.95939787
ENSG00000185880	15	TRIM69	45021186	rs17588305	15	45021766	T	C	0.107356	-0.0123024	0.0138973	0.376028	-0.796568	0.0859678	1.93E-20	0.0154443	0.0175259	0.3781965	0.4911376	20	0.84640362
ENSG00000259539	15	CTD-2651B20.1	45444862	rs12899786	15	45469694	G	C	0.33499	0.0207019	0.0084401	0.0141749	-0.673088	0.116933	8.60E-09	-0.0307566	0.0136303	0.02404039	0.2904626	14	0.42478916
ENSG00000138606	15	SHF	45459412	rs1706826	15	45488043	A	G	0.521869	-0.0079637	0.00806214	0.323256	0.351048	0.0513627	8.22E-12	-0.0226854	0.0232045	0.3282574	0.2969055	9	0.82688837
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	0.992515	0.0824174	2.12E-33	-0.0056902	0.00830887	0.493452	0.6229791	20	0.86806745
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.78433	0.0871403	2.24E-19	-0.0067055	0.0104574	0.5213763	0.2147799	20	0.88179758
ENSG00000171763	15	SPATA5L1	45694529	rs7402632	15	45701913	T	A	0.27336	0.0112056	0.0087015	0.197822	0.607518	0.0932991	7.44E-11	0.0184449	0.0146005	0.2064781	0.9145779	7	0.72835256
ENSG00000104064	15	GABPB1	50569389	rs10163050	15	50616708	C	T	0.581511	0.00074731	0.00827772	0.928065	0.322849	0.0550407	4.47E-09	0.00231474	0.0256426	0.9280732	0.1455567	7	0.99249094
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.966678	0.0541162	2.29E-71	0.00637201	0.00956294	0.5052046	0.3909163	20	0.87341411
ENSG00000183578	15	TNFAIP8L3	51348795	rs35871557	15	51390060	G	A	0.217694	0.00746873	0.00937191	0.425494	-0.422983	0.0731505	7.37E-09	-0.0176573	0.0223661	0.4298404	0.4561942	11	0.86418667
ENSG00000104112	15	SCG3	51973550	rs1902596	15	51910875	G	A	0.781312	-0.0146455	0.011951	0.220401	0.314608	0.0497345	2.52E-10	-0.0465516	0.0386932	0.2289398	0.9395808	8	0.74543747
ENSG00000259577	15	RP11-430B1.2	52472290	rs7164508	15	52477809	A	G	0.146123	0.00168702	0.0122189	0.890188	-0.640358	0.0750761	1.47E-17	-0.0026345	0.0190839	0.8902022	0.9632077	19	0.98658093
ENSG00000047346	15	FAM214A	52873514	rs11633933	15	52948357	C	T	0.777336	0.00983111	0.0104499	0.346815	0.403324	0.0601833	2.06E-11	0.0243752	0.0261635	0.3515175	0.8972225	8	0.840274
ENSG00000069974	15	RAB27A	55495164	rs67230579	15	55601442	C	A	0.11332	-0.0096024	0.0146605	0.512479	0.532364	0.0882717	1.63E-09	-0.0180373	0.0277004	0.514946	0.2299912	3	0.87880989
ENSG00000151575	15	TEX9	56536207	rs72738658	15	56497133	T	C	0.11332	-0.0180258	0.0146153	0.217445	-0.703613	0.09759	5.60E-13	0.0256189	0.0210735	0.2241022	0.411488	20	0.74274316
ENSG00000247982	15	LINC00926	57592563	rs2248886	15	57594933	T	A	0.580517	0.0127804	0.00834163	0.125492	-0.412339	0.0564166	2.69E-13	-0.0309949	0.0206697	0.1337362	0.00699226	19	0.67516955
ENSG00000255529	15	POLR2M	57884231	rs11858659	15	57999304	C	G	0.0685885	0.00924828	0.0205368	0.652475	0.674356	0.0795411	2.29E-17	0.0137142	0.0304969	0.6529316	0.4545664	14	0.9271714
ENSG00000128923	15	FAM63B	59063391	rs661367	15	59153303	A	G	0.927435	-0.0156564	0.0186252	0.40057	0.386179	0.0613244	3.03E-10	-0.0405418	0.0486572	0.4047249	0.7779361	6	0.85537967
ENSG00000259251	15	RP11-643M14.1	62352702	rs12916410	15	62302886	C	G	0.0715706	-0.0023744	0.0200997	0.905966	0.831893	0.130601	1.89E-10	-0.0028542	0.0241656	0.9059818	0.5662464	9	0.98658093
ENSG00000103642	15	LACTB	63413999	rs4775633	15	63437746	A	G	0.49006	-0.0059527	0.00804784	0.459506	0.397014	0.0632907	3.54E-10	-0.0149936	0.0204114	0.4626005	0.5054345	10	0.86418667
ENSG00000185088	15	RPS27L	63418071	rs7169648	15	63440515	C	A	0.0785288	0.016572	0.0131603	0.207943	-0.353254	0.0620754	1.27E-08	-0.0469124	0.0381557	0.2188842	0.9061334	7	0.74274316
ENSG00000074410	15	CA12	63613577	rs28372792	15	63674295	C	T	0.727634	-0.0024116	0.00859222	0.778967	0.522092	0.0672937	8.60E-15	-0.004619	0.0164681	0.7791068	0.3806985	12	0.95939787
ENSG00000035664	15	DAPK2	64199235	rs332278	15	64316402	G	C	0.848907	-0.0123769	0.0119892	0.301914	-0.326479	0.0502114	7.92E-11	0.0379102	0.0371827	0.3079339	0.5421208	6	0.81176664

ENSG00000103671	15	TRIP4	64679947	rs61477175	15	64798745	T	C	0.893638	-0.0167881	0.0125669	0.181582	-0.572924	0.0803811	1.02E-12	0.0293025	0.0223166	0.1891712	0.08270793	13	0.70253861
ENSG00000090487	15	SPG21	65255362	rs4128936	15	65277705	A	G	0.44334	-0.0132206	0.00814064	0.104371	-0.528924	0.0524518	6.50E-24	0.0249953	0.0155893	0.1088542	0.7714848	20	0.65086925
ENSG00000166938	15	DIS3L	66585555	rs12911848	15	66817545	A	G	0.431412	-0.0112874	0.00821248	0.169313	-0.488124	0.0661694	1.62E-13	0.023124	0.0171141	0.1766414	0.4201899	12	0.69740293
ENSG00000075131	15	TIPIN	66628544	rs62010229	15	66752406	C	G	0.107356	-0.0010957	0.0149076	0.941412	1.41758	0.150769	5.34E-21	-0.0007729	0.0105166	0.9414132	0.6130488	8	0.99347767
ENSG00000189227	15	C15orf61	67813406	rs8041782	15	67811407	A	G	0.751491	0.00663263	0.00858469	0.439752	0.342161	0.0581075	3.90E-09	0.0193845	0.0253047	0.4436492	0.8576433	7	0.86418667
ENSG00000270964	15	RP11-502I4.3	67833410	rs12593494	15	67901532	A	G	0.763419	0.00325939	0.00868138	0.707328	-0.661996	0.115083	8.80E-09	-0.0049236	0.0131418	0.7079216	0.4669427	7	0.94335125
ENSG00000260657	15	RP11-315D16.4	68560130	rs55700060	15	68574450	G	A	0.356859	0.00090277	0.00901327	0.920217	0.874292	0.0832803	8.81E-26	0.00103258	0.0103097	0.9202206	0.9493327	16	0.99027474
ENSG00000213614	15	HEXA	72635775	rs4777504	15	72660670	C	T	0.961233	-0.0176745	0.0246723	0.473762	0.642653	0.112528	1.12E-08	-0.0275024	0.0386922	0.4772081	0.04828806	6	0.86418667
ENSG00000103855	15	CD276	73976307	rs11636441	15	73998658	T	C	0.11829	0.0219459	0.0118195	0.0633476	-0.397257	0.0728259	4.90E-08	-0.0552436	0.0314291	0.07879546	0.225331	7	0.62074989
ENSG00000067221	15	STOML1	74275547	rs11633520	15	74284805	G	C	0.575547	0.00690013	0.00819196	0.399617	-0.180639	0.0253888	1.12E-12	-0.0381985	0.0456666	0.402894	0.06851104	12	0.85364306
ENSG00000261543	15	RP11-665J16.1	74445141	rs11630924	15	74496293	C	G	0.178926	0.0194975	0.009155	0.0331956	-0.767023	0.0975814	3.83E-15	-0.0254197	0.0123661	0.03982153	0.9397701	8	0.49481137
ENSG00000178802	15	MPI	75182346	rs11630592	15	75243826	A	C	0.491054	0.0050855	0.00825001	0.537615	0.412028	0.0473768	3.41E-18	0.0123426	0.0200732	0.5386334	0.3179052	20	0.88612583
ENSG00000140365	15	COMMD4	75628232	rs114064595	15	75628414	T	C	0.0437376	0.00063446	0.0187092	0.972947	-0.804966	0.110566	3.33E-13	-0.0007882	0.0232425	0.9729478	0.3407673	3	0.99499385
ENSG00000140400	15	MAN2C1	75648133	rs4462560	15	75647964	C	G	0.713718	-0.0034216	0.00971001	0.724554	-0.478308	0.046859	1.84E-24	0.00715353	0.0203128	0.7247124	0.06310499	15	0.94540164
ENSG00000169371	15	SNUPN	75890424	rs112074722	15	75924978	G	T	0.224652	-0.0003026	0.00905697	0.973351	-0.472984	0.0707888	2.36E-11	0.00063967	0.0191488	0.9733513	0.04354896	9	0.99505995
ENSG00000169752	15	NRG4	76228310	rs2959852	15	76351704	G	C	0.82008	0.0076321	0.0106331	0.472902	1.25567	0.0936365	5.28E-41	0.00607811	0.00848019	0.4735332	0.7596091	20	0.86418667
ENSG00000173517	15	PEAK1	77400471	rs71407208	15	77641632	T	C	0.22167	-0.0144236	0.0100384	0.15076	0.537263	0.0640883	5.15E-17	-0.0268464	0.0189568	0.1567194	0.0533824	20	0.68549033
ENSG00000259362	15	RP11-307C19.1	77817882	rs7176875	15	77832675	A	G	0.375746	-0.0114188	0.0082542	0.166545	0.583639	0.0975523	2.19E-09	-0.0195648	0.0145158	0.177713	0.09761533	12	0.69740293
ENSG00000260776	15	RP11-114H24.2	78206559	rs7175950	15	78236353	G	A	0.489066	0.00495198	0.00814426	0.543165	1.02547	0.0768868	1.40E-40	0.00482899	0.00795023	0.543584	0.2028136	20	0.88612583
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.776458	0.0722746	6.38E-27	-0.0015508	0.0117755	0.8952266	0.1230085	20	0.98658093
ENSG00000259562	15	RP11-762H8.2	78582869	rs12906684	15	78593263	T	A	0.484095	-0.0055247	0.00811906	0.496213	-0.514802	0.0847431	1.24E-09	0.0107317	0.0158699	0.4988929	0.973609	6	0.86872655
ENSG00000188266	15	HYKK	78799906	rs2869544	15	78839400	A	G	0.629225	-0.0032665	0.00832086	0.694636	0.339374	0.061902	4.20E-08	-0.0096252	0.024581	0.6953761	0.9443679	7	0.94090446
ENSG00000041357	15	PSMA4	78832747	rs2869548	15	78922638	A	G	0.387674	0.00335385	0.00839931	0.689673	0.229149	0.0410905	2.45E-08	0.0146361	0.0367482	0.6904231	0.5667445	19	0.93911581
ENSG00000169684	15	CHRNA5	78857862	rs2869544	15	78839400	A	G	0.629225	-0.0032665	0.00832086	0.694636	-1.05812	0.08147	1.43E-38	0.00308712	0.00786741	0.6947677	0.9706169	20	0.94090446
ENSG00000136378	15	ADAMTS7	79051545	rs57224848	15	79049146	A	G	0.188867	0.00488788	0.00952756	0.607933	-0.486411	0.0723465	1.78E-11	-0.0100489	0.0196444	0.6089742	0.1073518	20	0.90650194
ENSG00000103811	15	CTSH	79213400	rs62013198	15	79224322	A	T	0.0765408	-0.0023111	0.013897	0.867919	0.525586	0.092011	1.12E-08	-0.0043972	0.0264522	0.8679747	0.2100568	3	0.98554401
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.939001	0.0805582	2.13E-31	-0.0047436	0.0086467	0.5832812	0.6613156	20	0.89957103
ENSG00000259417	15	RP11-2E17.1	80487826	rs2043691	15	80472431	A	C	0.667992	0.00067709	0.00834734	0.935351	0.232345	0.0417664	2.65E-08	0.00291414	0.0359303	0.9353581	0.3451632	7	0.99347767
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-1.00792	0.0932676	3.20E-27	0.00055685	0.0102742	0.9567769	0.2020043	17	0.99347767
ENSG00000188659	15	FAM154B	82555151	rs113413540	15	82581577	G	A	0.0337972	-0.0098845	0.0178084	0.578862	1.52766	0.169143	1.69E-19	-0.0064704	0.0116793	0.5795776	0.6876101	19	0.89863315
ENSG00000197978	15	GOLGA6L9	82722223	rs11630197	15	82574879	C	T	0.287276	-0.0061997	0.0087348	0.477846	-0.615062	0.081515	4.51E-14	0.0100798	0.0142642	0.4797829	0.3279129	20	0.86437113
ENSG00000255769	15	RP11-152F13.3	82765134	rs62012051	15	82534317	C	T	0.292247	0.00169188	0.00926978	0.855178	-0.574999	0.0964978	2.54E-09	-0.0029424	0.0161289	0.8552452	0.226262	4	0.98502986
ENSG00000259429	15	UBE2Q2P3	83023847	rs12905578	15	82581264	G	T	0.315109	0.00421016	0.00856527	0.623046	0.648491	0.0925329	2.41E-12	0.00649224	0.0132404	0.6238976	0.5842521	13	0.91443861
ENSG00000182774	15	RPS17L	83205504	rs2278355	15	83331155	T	C	0.570577	-0.0027578	0.0080747	0.732698	0.215238	0.0338984	2.16E-10	-0.0128129	0.0375694	0.7330685	0.8248698	10	0.94997803
ENSG00000103723	15	AP3B2	83328033	rs8028130	15	83403726	T	C	0.194831	-0.0031169	0.0109809	0.776524	0.194119	0.0298304	7.64E-11	-0.0160567	0.0566217	0.7767326	0.0943093	12	0.95939787
ENSG00000169609	15	C15orf40	83657193	rs1037403	15	83664191	G	C	0.481113	-0.0102745	0.00806234	0.202527	-0.774917	0.069203	4.18E-29	0.0132588	0.0104713	0.2054385	0.7274239	20	0.72835256
ENSG00000064726	15	BTBD1	83685174	rs7179867	15	83817323	G	A	0.909543	-0.006546	0.0157516	0.67772	-0.336228	0.0588393	1.10E-08	0.0194689	0.0469717	0.678521	0.8499904	3	0.93372697
ENSG00000156218	15	ADAMTSL3	84322838	rs2732161	15	84270783	G	C	0.177932	-0.0078753	0.0104494	0.451054	-0.464445	0.0802331	7.09E-09	0.0169563	0.0226886	0.4548528	0.7081143	4	0.86418667
ENSG00000259511	15	RP11-182J1.16	84841242	rs61148413	15	84828326	A	T	0.483101	0.0102954	0.00806131	0.201552	0.624859	0.0937518	2.65E-11	0.0164764	0.0131357	0.2097267	0.1245927	4	0.73192759
ENSG00000225151	15	AC103965.1	84867600	rs62029649	15	85074334	T	C	0.178926	0.0070599	0.010332	0.494415	0.754427	0.109871	6.58E-12	0.00935796	0.0137628	0.4965387	0.2428566	20	0.86872655
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	1.19136	0.11769	4.37E-24	0.00603084	0.00870184	0.4882762	0.1890037	20	0.86806745
ENSG00000235370	15	DNM1P51	84953014	rs62028145	15	84944192	G	C	0.483101	0.00988261	0.00804981	0.219566	-0.526525	0.0685273	1.55E-14	-0.0187695	0.0154825	0.2253959	0.4225971	14	0.74274316
ENSG00000230373	15	GOLGA6L5	85051116	rs12901468	15	84832932	A	G	0.237575	0.0095644	0.00978483	0.328336	0.811632	0.0783816	3.98E-25	0.0117842	0.0121093	0.3304807	0.9865093	20	0.82863501
ENSG00000176700	15	SCAND2P	85174682	rs3748374	15	85184243	G	A	0.136183	0.00719491	0.0109168	0.509854	0.637302	0.088938	7.74E-13	0.0112896	0.017202	0.5116327	0.4080175	17	0.8770919
ENSG00000177082	15	WDR73	85185999	rs62019463	15	85288087	A	G	0.266402	-0.012459	0.00928296	0.179553	-0.53769	0.0871421	6.82E-10	0.0231713	0.0176682	0.189699	0.4311175	19	0.70253861
ENSG00000136383	15	ALPK3	85359911	rs306205	15	85388604	C	T	0.806163	-0.0077774	0.0102204	0.446676	0.456263	0.0808818	1.69E-08	-0.0170458	0.0226031	0.4507689	0.9536051	8	0.86418667
ENSG00000259295	15	CSPG4P12	85734669	rs28416825	15	85731471	C	T	0.532803	-0.0024528	0.0081231	0.762686	-0.753311	0.0892983	3.29E-17	0.00325604	0.0107901	0.7628338	0.8911062	20	0.9549947
ENSG00000229212	15	RP11-561C5.4	85747141	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.793868	0.0903407	1.53E-18	0.00260834	0.0102751	0.7996108	0.7552233	20	0.965513
ENSG00000170776	15	AKAP13	85923802	rs1861856	15	86198561	C	G	0.225646	0.00486338	0.00885566	0.58288	0.518747	0.0720642	6.09E-13	0.00937525	0.0171209	0.5839721	0.5470827	20	0.89957103
ENSG00000259407	15	RP11-158M2.3	86287340	rs55851385	15	86268631	G	C	0.197813	0.00317787	0.0101892	0.755127	-0.738687	0.0977991	4.25E-14	-0.0043021	0.0138054	0.7553289	0.8573119	20	0.9539366
ENSG00000259762	15	RP11-158M2.4	86293567	rs55851385	15	86268631	G	C	0.197813	0.00317787	0.0101892	0.755127	-0.688418	0.0996045	4.80E-12	-0.0046162	0.014816	0.7553681	0.8875895	20	0.9539366
ENSG00000259416	15	RP11-158M2.5	86298172	rs17638180	15	86278395	C	A	0.195825	0.00333802	0.0101748	0.74286	-0.805103	0.0990702	4.42E-16	-0.0041461	0.0126482	0.7430626	0.8461467	20	0.95130297
ENSG00000181026	15	AEN	89164527	rs12908122	15	89155270	G	A	0.280318	-0.0091122	0.00892066	0.307034	-0.486582	0.0718885	1.30E-11	0.0187269	0.0185409	0.3124814	0.5243869	11	0.81435501
ENSG00000140511	15	HAPLN3	89420519	rs75392690	15	89432227	A	T	0.125249	0.022325	0.0146926	0.128643	-0.559439	0.0870191	1.29E-10	-0.039906	0.0269867	0.139212	0.5767624	6	0.67926006
ENSG00000140522	15	RLBP1	89753100	rs33998577	15	89766901	C	T	0.372763	0.00583905	0.00816077	0.474298	0.363253	0.0515256	1.79E-12	0.0160743	0.0225812	0.4765604	0.05620427	20	0.86418667
ENSG00000140521	15	POLG	89859534	rs35281781	15	89842261	C	T	0.385686	0.00573341	0.00808944	0.478478	0.277431	0.0416153	2.62E-11	0.0206661	0.0293227	0.4809468	0.09216235	7	0.86450418
ENSG00000261478	15	RP11-429B14.4	90052192	rs12437575	15	90046970	C	T	0.340954	0.0022006	0.00826013	0.789922	0.771426	0.0672307	1.78E-30	0.00285264	0.0107105	0.789977	0.9628636	19	0.96301985
ENSG00000166819	15	PLIN1	90207596	rs12148067	15	90273070	G	A	0.292247	0.00428853	0.00909742	0.637354	-0.305304	0.0522955	5.28E-09	-0.0140468	0.0298949	0.6384469	0.4115533	6	0.9225516
ENSG00000157823	15	AP3S2	90373831	rs12594774	15	90406884	G	A	0.747515	0.0115892	0.00941385	0.218294	-0.600181	0.0619448	3.36E-22	-0.0193095	0.0158111	0.2219872	0.4989627	9	0.74274316
ENSG00000259685	15	CTD-2315E11.1	90645881	rs11073901	15	90649373	C	G	0.264414	-0.0099419	0.00879835	0.258485	-0.457018	0.0626767	3.06E-13	0.0217539	0.0194814	0.2641444	0.6647482	6	0.77972167
ENSG00000185043	15	CIB1	90773207	rs3829490	15	90773059	T	C	0.234592	-0.0039105	0.00939313	0.677183	0.292745	0.0449095	7.10E-11	-0.0133579	0.0321518	0.6778021	0.4526339	7	0.93372697
ENSG00000213471	15	TTLL13	90792762	rs2048706	15	90801248	A	C	0.264414	-0.0113769	0.00912231	0.212343	-0.787749	0.08723	1.71E-19	0.0144423	0.0116901	0.216672	0.7899763	20	0.74057669
ENSG00000140575	15	IQGAP1	90931450	rs16944424	15	90983465	G	A	0.17495	-0.0124461	0.0101313	0.219267	0.564917	0.0471031	3.86E-33	-0.0220317	0.018028	0.2216753	0.04130168	20	0.74274316
ENSG00000166965	15	RCCD1	91498100	rs1105291	15	91502383	T	C	0.144135	0.00016998	0.0110982	0.98778	0.782218	0.0690622	9.72E-30	0.0002173	0.0141881	0.9877803	0.270244	20	0.99595203
ENSG00000260337	15	RP11-386M24.6	93138790	rs79305149	15	93156676	T	C	0.135189	-0.0030087	0.0118808	0.800081	0.511378	0.0893973	1.06E-08	-0.0058835	0.0232557	0.8002732	0.7806164	8	0.965513
ENSG00000258741	15	RP11-386M24.4	93258989	rs1866171	15	93246839	T	C	0.861829	0.0122103	0.0124468	0.326595	0.737006	0.112419	5.53E-11	0.0165674	0.0170764	0.3319481	0.2797007	20	0.82926226
ENSG00000260361	15	CTD-2313J17.5	93322987	rs4778037	15	93322521	C	G	0.328032	0.00381018	0.00845112	0.652098	0.810065	0.101879	1.85E-15	0.00470355	0.0104494	0.6526195	0.9711076	13	0.9271714
ENSG00000103852	15	TTC23	99676528	rs55909409	15	99781204	T	C	0.472167	0.00225707	0.00812822	0.781255	-0.287089	0.0380752	4.70E-14	-0.0078619	0.0283317	0.7814	0.183745	20	0.96013235
ENSG00000261616	15	RP11-6O2.3	99679522	rs2623194	15	99718472	G	A	0.156064	-0.0063231	0.011496	0.5823	0.602189	0.10074	2.26E-09	-0.0105002	0.019171	0.5838888	0.5390827	12	0.89957103
ENSG00000183060	15	LYSMD4	100255902	rs35747287	15	100273607	C	G	0.682903	-0.0006434	0.00862168	0.940509	-0.596025	0.0516006	7.32E-31	0.00107955	0.0144656	0.9405099	0.5232324	20	0.99347767
ENSG00000182397	15	DNM1P46	100330361	rs9920347	15	100339331	G	A	0.297217	0.0042044	0.0088811	0.635921	-0.667803	0.0870172	1.66E-14	-0.0062959	0.0133243	0.6365616	0.6952925	20	0.92139094
ENSG00000259363	15	CTD-2054N24.2	100347228	rs1963944	15	100342212	C	T	0.531809	0.00740861	0.00816853	0.364423	-0.813161	0.0956441	1.86E-17	-0.0091109	0.0101024	0.3671351	0.988038	20	0.840274
ENSG00000254744	15	CTD-3076O17.1	100510420	rs1561050	15	100473154	C	T	0.857853	0.01731	0.0123346	0.160507	-0.784932	0.133684	4.32E-09	-0.0220529	0.0161568	0.1722769	0.9194151	3	0.6962068
ENSG00000270127	15	RP11-526I2.5	101087972	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-0.934883	0.0612599	1.39E-52	0.00312359	0.00868681	0.7191626	0.2334247	20	0.94509525
ENSG00000259205	15	PRKXP1	101093734	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.912257	0.0753536	9.77E-34	0.00364246	0.00891517	0.682856	0.2198895	20	0.9345921
ENSG00000259755	15	RP11-505E24.2	101590937	rs3986585	15	101623929	C	G	0.15507	-0.0127958	0.0115086	0.266206	0.56614	0.0888235	1.84E-10	-0.0226018	0.0206352	0.2733823	0.6346049	10	0.78596916
ENSG00000184277	15	TM2D3	102161847	rs606511	15	102211654	C	T	0.442346	0.0132451	0.00808952	0.101565	0.273351	0.0391515	2.91E-12	0.0484545	0.0303968	0.1109204	0.4168112	20	0.65086925
ENSG00000259658	15	RP11-89K11.1	102277302	rs72761694	15	102325202	T	C	0.459245	0.0154102	0.00807177	0.0562432	-0.46533	0.0712373	6.48E-11	-0.0331167	0.018072	0.0668794	0.1157568	20	0.59477339
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-1.06036	0.0807383	2.12E-39	0.00467385	0.00996609	0.6390874	0.6684681	18	0.9225516
ENSG00000226942	16	IL9RP3	79336	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.842999	0.102596	2.09E-16	0.00587896	0.0125482	0.6394193	0.6224354	9	0.92267515
ENSG00000161981	16	SNRNP25	103010	rs216601	16	112112	A	G	0.133201	0.0129699	0.0161361	0.421525	-0.465152	0.0544863	1.38E-17	-0.0278831	0.0348434	0.4235703	0.4052422	16	0.86418667
ENSG00000103148	16	NPRL3	134273	rs2541606	16	189971	C	T	0.410537	-0.0013298	0.00810925	0.869745	-0.706942	0.0647012	8.63E-28	0.00188102	0.0114722	0.86976	0.6959194	16	0.9857428
ENSG00000268836	16	LA16c-OS12.2	235747	rs2541669	16	222140	T	C	0.477137	0.0119559	0.00808852	0.139373	0.484191	0.0768877	3.03E-10	0.0246925	0.0171592	0.1501442	0.8088561	11	0.68107362
ENSG00000086504	16	MRPL28	417384	rs1984409	16	420723	G	T	0.524851	0.0172371	0.00809602	0.0332476	-0.298031	0.0395738	5.03E-14	-0.0578366	0.0282297	0.04048331	0.07039029	20	0.49885026
ENSG00000242612	16	DECR2	451826	rs3743890	16	456416	G	T	0.531809	-0.0119872	0.00811066	0.139419	-0.473861	0.0673806	2.03E-12	0.0252969	0.01749	0.1480759	0.4454283	20	0.68107362
ENSG00000007541	16	PIGQ	616995	rs4984895	16	623238	C	T	0.426441	0.0225193	0.00805127	0.0051581	-0.419654	0.0450015	1.11E-20	-0.0536616	0.0200299	0.00738256	0.3371599	20	0.30202677
ENSG00000197562	16	RAB40C	639357	rs7198877	16	661439	G	A	0.436382	0.0215116	0.00805538	0.00757461	0.16555	0.02988	3.02E-08	0.12994	0.0540154	0.0161453	0.9128	6	0.38351036
ENSG00000127578	16	WFIKKN1	679239	rs2269556	16	675215	A	G	0.255467	0.0230837	0.00857783	0.00712197	0.97057	0.0737585	1.52E-39	0.0237837	0.00902086	0.00837617	0.1588244	20	0.31377122
ENSG00000161996	16	WDR90	699311	rs11640115	16	735794	G	A	0.259443	0.0208265	0.00845104	0.0137252	0.276436	0.0506695	4.88E-08	0.0753393	0.0335456	0.02471203	0.4900496	5	0.4293542
ENSG00000161999	16	JMJD8	731671	rs72773411	16	728514	A	G	0.128231	0.00920252	0.0134413	0.493568	0.363547	0.0657884	3.28E-08	0.0253132	0.0372553	0.4968527	0.6820587	5	0.86872655
ENSG00000162004	16	CCDC78	772582	rs4984921	16	774520	T	C	0.468191	0.00502263	0.0082422	0.542273	-0.463268	0.0561116	1.50E-16	-0.0108417	0.0178398	0.5433688	0.8976235	8	0.88612583
ENSG00000103245	16	NARFL	779753	rs2071951	16	783004	C	T	0.240557	-0.0005454	0.00866336	0.949806	0.655997	0.0615094	1.48E-26	-0.0008314	0.0132066	0.9498068	0.3386824	16	0.99347767
ENSG00000162006	16	MSLNL	819428	rs3765323	16	817213	A	G	0.199801	-0.0187523	0.0103977	0.0713116	-0.700179	0.0764552	5.29E-20	0.0267822	0.0151353	0.07680742	0.9510283	20	0.61409544
ENSG00000103227	16	LMF1	903634	rs7202647	16	985891	T	C	0.250497	-0.0139281	0.010202	0.172179	0.728401	0.0582195	6.48E-36	-0.0191215	0.0140892	0.1747252	0.4133548	20	0.69660051
ENSG00000260807	16	RP11-161M6.2	1025761	rs1978481	16	1026373	A	G	0.146123	-0.011016	0.0151058	0.465846	-0.813504	0.0704075	7.03E-31	0.0135414	0.0186058	0.4667311	0.5371443	20	0.86418667
ENSG00000197253	16	TPSB2	1277272	rs9927989	16	1297145	C	A	0.736581	0.00599158	0.00978719	0.540415	-0.991565	0.0997606	2.80E-23	-0.0060426	0.00988915	0.541181	0.745702	20	0.88612583
ENSG00000095917	16	TPSD1	1306060	rs4984779	16	1297810	G	A	0.524851	0.00173392	0.00841884	0.836825	0.773903	0.0780806	3.71E-23	0.00224049	0.0108808	0.8368591	0.6007011	20	0.97996964
ENSG00000260182	16	RP11-616M22.5	1307340	rs3874639	16	1294822	G	A	0.511928	0.00219776	0.00841389	0.793933	0.669258	0.0762973	1.76E-18	0.00328388	0.0125775	0.7940228	0.7823932	20	0.96512554
ENSG00000007516	16	BAIAP3	1383602	rs12597545	16	1394430	T	C	0.395626	0.00311019	0.00809118	0.700687	0.378652	0.0418817	1.55E-19	0.00821385	0.0213877	0.7009446	0.7916056	16	0.94255443
ENSG00000197599	16	CCDC154	1484384	rs7189073	16	1471885	G	A	0.885686	-0.0227082	0.0152645	0.136844	-0.976796	0.0966078	4.94E-24	0.0232476	0.0157954	0.1410743	0.1579392	20	0.67926006
ENSG00000100726	16	TELO2	1543345	rs2272972	16	1543568	G	C	0.389662	0.0102017	0.00814468	0.210365	-0.555371	0.0541498	1.11E-24	-0.0183692	0.0147743	0.2137491	0.4294171	14	0.73693013
ENSG00000206053	16	HN1L	1728257	rs113571946	16	1728147	G	A	0.209742	0.0094894	0.0119051	0.425401	0.484968	0.0633822	1.99E-14	0.0195671	0.0246811	0.4278962	0.958006	9	0.86418667
ENSG00000197774	16	EME2	1823208	rs2357297	16	1849120	T	C	0.599404	0.00448044	0.00806382	0.578469	-0.256138	0.0432645	3.21E-09	-0.0174923	0.0316207	0.5801322	0.9298744	20	0.8991209
ENSG00000095906	16	NUBP2	1832902	rs11540961	16	1838703	A	G	0.0715706	0.0415043	0.0182235	0.0227557	0.501293	0.0772468	8.61E-11	0.0827945	0.0385268	0.03163346	0.2449038	10	0.45862237
ENSG00000063854	16	HAGH	1845621	rs238678	16	1872722	G	A	0.848907	0.0111018	0.0111255	0.318344	-0.468835	0.0521016	2.29E-19	-0.0236795	0.0238756	0.3212999	0.8222579	20	0.8185229
ENSG00000180185	16	FAHD1	1876968	rs62038428	16	1892549	G	A	0.180915	-0.000731	0.00930303	0.937372	0.889381	0.0646853	5.14E-43	-0.0008219	0.0104603	0.9373731	0.3165157	18	0.99347767
ENSG00000255513	16	AC005363.9	2013746	rs72764893	16	2013756	C	T	0.130219	-0.0005729	0.0118637	0.961482	1.09741	0.0995233	2.84E-28	-0.0005221	0.0108107	0.9614825	0.5756652	17	0.99347767
ENSG00000255198	16	SNHG9	2014960	rs2302176	16	2014954	T	C	0.549702	0.00022781	0.00807372	0.97749	0.325405	0.0508125	1.51E-10	0.00070008	0.0248115	0.97749	0.4619076	7	0.99550269
ENSG00000127554	16	GFER	2034208	rs1122949	16	2033799	C	G	0.276342	0.00431523	0.00837292	0.606288	0.467716	0.0679805	5.98E-12	0.00922618	0.0179519	0.6072943	0.9888928	9	0.90555682
ENSG00000103197	16	TSC2	2097466	rs1051771	16	2138584	C	G	0.101392	0.0167756	0.0116909	0.151309	-0.362725	0.0659014	3.71E-08	-0.0462488	0.0333081	0.1649796	0.9781083	4	0.68549033
ENSG00000167965	16	MLST8	2254249	rs27381	16	2239402	T	C	0.412525	-0.0091295	0.00810515	0.260006	0.375538	0.0398199	4.07E-21	-0.0243103	0.0217362	0.2633838	0.3212962	20	0.77972167
ENSG00000205937	16	RNPS1	2303117	rs11642797	16	2317778	G	T	0.407555	-0.0125407	0.00824143	0.128093	-0.217925	0.0350761	5.20E-10	0.0575459	0.0389355	0.1394125	0.5794092	3	0.67926006
ENSG00000260778	16	MIR940	2318156	rs12599229	16	2323394	A	G	0.400596	-0.0113421	0.0082307	0.168197	0.613114	0.0646248	2.37E-21	-0.0184992	0.0135653	0.1726578	0.4777367	11	0.6962068
ENSG00000261613	16	RP11-20I23.13	2604061	rs4785898	16	2716142	A	G	0.260437	0.00710618	0.00917356	0.438554	1.32182	0.109673	1.88E-33	0.00537606	0.00695442	0.4394975	0.38462	13	0.86418667
ENSG00000269937	16	RP11-20I23.8	2611472	rs11646366	16	2711822	G	A	0.144135	0.00501706	0.01447	0.728801	0.682312	0.123224	3.07E-08	0.00735303	0.0212488	0.7293098	0.6971445	9	0.94860921
ENSG00000215154	16	AC141586.5	2653351	rs146824594	16	2655841	T	A	0.0407555	-0.0069138	0.0249076	0.781336	-0.997339	0.138279	5.49E-13	0.00693223	0.0249925	0.7814946	0.2337971	3	0.96013235
ENSG00000205918	16	PDPK2	2666122	rs4238839	16	2706036	C	T	0.406561	0.00729092	0.00846105	0.388851	-0.590498	0.0904581	6.67E-11	-0.0123471	0.014453	0.3929427	0.9908146	6	0.8487255
ENSG00000260176	16	CTD-3126B10.4	2694085	rs4238839	16	2706036	C	T	0.406561	0.00729092	0.00846105	0.388851	-0.853257	0.0894007	1.37E-21	-0.0085448	0.00995651	0.3907748	0.2810473	8	0.84859336
ENSG00000260565	16	ERVK13-1	2710350	rs11642790	16	2725094	G	C	0.413519	0.00782442	0.00846901	0.355545	-0.900345	0.0589492	1.15E-52	-0.0086905	0.0094236	0.3564229	0.6182774	17	0.840274
ENSG00000103355	16	PRSS33	2833954	rs11076829	16	2837603	T	C	0.765408	0.00146148	0.00980742	0.88154	-0.581575	0.101523	1.01E-08	-0.002513	0.0168693	0.8815794	0.9877612	5	0.98658093
ENSG00000172460	16	PRSS30P	2889569	rs76370198	16	2914789	C	T	0.28827	0.00339118	0.00939968	0.718267	-0.517313	0.0923603	2.13E-08	-0.0065554	0.0182079	0.7188247	0.5509715	4	0.94509525
ENSG00000263280	16	LA16c-325D7.2	2916349	rs886287	16	2916791	C	G	0.409543	0.00287241	0.00858827	0.738035	0.698999	0.0844736	1.29E-16	0.00410932	0.0122966	0.7382404	0.4395474	13	0.94997803
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.969989	0.0657941	3.42E-49	0.00846481	0.00846622	0.3173911	0.477613	20	0.81665079
ENSG00000127564	16	PKMYT1	3018025	rs12930630	16	3039859	C	A	0.661034	-0.0042946	0.00848745	0.612862	0.426812	0.061292	3.32E-12	-0.010062	0.0199381	0.6137968	0.3363925	20	0.90997983
ENSG00000272079	16	LA16c-380H5.5	3056121	rs12917920	16	3054088	C	G	0.614314	-0.0098243	0.00819744	0.230739	1.04296	0.0688145	6.90E-52	-0.0094196	0.00788432	0.2321934	0.7576089	20	0.74724783
ENSG00000213937	16	CLDN9	3062457	rs2526273	16	3052578	T	C	0.634195	-0.0078568	0.00826617	0.341871	0.562441	0.0551717	2.10E-24	-0.0139691	0.0147607	0.3439595	0.5550719	18	0.83501439
ENSG00000008517	16	IL32	3115298	rs45499297	16	3115272	C	T	0.112326	0.00804293	0.0190773	0.673319	-0.755308	0.0958469	3.26E-15	-0.0106485	0.0252938	0.6737589	0.9909616	4	0.93372697
ENSG00000263072	16	RP11-473M20.14	3166043	rs1053871	16	3181963	C	T	0.374751	0.0155342	0.00852027	0.0682732	0.847896	0.0695921	3.79E-34	0.0183209	0.0101606	0.07136804	0.1484051	20	0.60077456
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	0.951602	0.0976486	1.93E-22	0.0195147	0.014852	0.1888644	0.00010082	20	0.70253861
ENSG00000167984	16	NLRC3	3589033	rs12448212	16	3636809	C	G	0.159046	0.00710325	0.0113638	0.53192	-1.31231	0.11977	6.16E-28	-0.0054128	0.00867347	0.5325867	0.02866085	20	0.88585906
ENSG00000126602	16	TRAP1	3701640	rs4786429	16	3728517	T	C	0.715706	0.00050418	0.00957198	0.957993	0.479889	0.0563066	1.56E-17	0.00105061	0.0199466	0.957994	0.03234631	10	0.99347767
ENSG00000262185	16	RP11-462G12.1	3997610	rs2238435	16	4014282	G	C	0.614314	-0.0039993	0.00815217	0.623723	-0.633146	0.0998047	2.24E-10	0.00631654	0.0129141	0.6247571	0.777083	7	0.91474979
ENSG00000262246	16	CORO7	4404543	rs11076830	16	4460049	G	A	0.751491	0.00271705	0.009182	0.767298	0.429801	0.0468858	4.87E-20	0.00632165	0.0213745	0.7674161	0.5922175	20	0.9565588
ENSG00000153406	16	NMRAL1	4511681	rs4786500	16	4525265	T	C	0.700795	0.00113162	0.00915486	0.901625	-0.461291	0.0509344	1.35E-19	-0.0024532	0.019848	0.9016342	0.2869347	17	0.98658093
ENSG00000089486	16	CDIP1	4560676	rs1477123	16	4560627	A	T	0.709742	0.00062331	0.00924989	0.946275	-0.389736	0.0569416	7.67E-12	-0.0015993	0.0237349	0.9462775	0.3016333	20	0.99347767
ENSG00000102858	16	MGRN1	4666494	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	0.631207	0.0427818	2.89E-49	0.00837529	0.0130124	0.5198112	0.2143155	20	0.88149061
ENSG00000103199	16	ZNF500	4798240	rs9673738	16	4809008	T	C	0.597416	0.0154717	0.00825914	0.0610295	-0.461	0.0592441	7.17E-15	-0.0335612	0.0184276	0.06856891	0.2359493	20	0.59485717
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.929423	0.0776638	5.27E-33	0.0042587	0.00876309	0.6269806	0.05749484	20	0.91632578
ENSG00000267795	16	SMIM22	4838398	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.721688	0.0821157	1.51E-18	0.00548454	0.0112935	0.6272231	0.04239168	20	0.91632578
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	1.15829	0.0945054	1.55E-34	-0.0179433	0.00889859	0.04375648	0.02129653	20	0.51544583
ENSG00000140632	16	GLYR1	4853204	rs17137303	16	4873609	T	G	0.0606362	-0.0164153	0.0212718	0.440295	-0.497521	0.0896285	2.84E-08	0.0329942	0.0431668	0.4446633	0.9983192	5	0.86418667
ENSG00000118898	16	PPL	4932508	rs59359988	16	5008790	A	G	0.106362	0.00518407	0.0118838	0.66267	-0.387764	0.06029	1.26E-10	-0.0133691	0.0307174	0.6633955	0.9601421	7	0.93109012
ENSG00000103174	16	NAGPA	5074845	rs1108121	16	5091363	G	A	0.305169	-0.0190011	0.00892464	0.0332491	0.27208	0.0477453	1.21E-08	-0.0698364	0.0350161	0.04610731	0.9552542	8	0.52818955
ENSG00000067365	16	METTL22	8715540	rs1730993	16	8740235	C	T	0.11829	0.00996332	0.0159233	0.531506	-0.773937	0.0770983	1.03E-23	-0.0128736	0.0206143	0.5323026	0.6184797	20	0.88585906
ENSG00000260362	16	RP11-297M9.1	9760742	rs11646718	16	9768750	C	T	0.347913	-0.0048278	0.00843585	0.56712	-0.655966	0.103058	1.95E-10	0.00735985	0.0129121	0.5686794	0.3440294	9	0.89834695
ENSG00000261810	16	RP11-895K13.2	10127541	rs837707	16	10113821	T	C	0.61332	0.014151	0.00817137	0.0833144	0.477107	0.0811271	4.08E-09	0.02966	0.017854	0.09666338	0.7317788	5	0.65086925
ENSG00000263033	16	RP11-396B14.2	11290034	rs171591	16	11288935	C	G	0.513917	-0.0039361	0.00821168	0.6317	-0.349048	0.0627289	2.63E-08	0.0112768	0.0236131	0.6329594	0.2544173	6	0.91979557
ENSG00000175643	16	RMI2	11343476	rs12149160	16	11439303	T	G	0.519881	-0.0031603	0.00813255	0.697572	-0.987748	0.070195	5.69E-45	0.00319951	0.00823656	0.6976815	0.2237329	20	0.9414679
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.22417	0.0817292	1.02E-50	0.00450182	0.00660174	0.4952933	0.02351803	20	0.86872655
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.730879	0.0800484	6.82E-20	0.0245744	0.0115242	0.03297225	0.245002	20	0.45862237
ENSG00000179889	16	PDXDC1	15068448	rs35512524	16	15171448	C	G	0.162028	0.00658997	0.0117509	0.574929	0.441735	0.0763039	7.07E-09	0.0149184	0.0267262	0.5767129	0.0781199	7	0.89834695
ENSG00000085721	16	RRN3	15153879	rs1510148	16	15167379	A	T	0.728628	-0.0154914	0.00933167	0.0968969	-0.371722	0.0618564	1.86E-09	0.0416747	0.0260442	0.1095642	0.00776276	13	0.65086925

ENSG00000260735	16	RP11-72I8.1	15188268	rs62039525	16	15198598	T	C	0.549702	-0.0050391	0.00878253	0.566128	-0.741188	0.0848128	2.35E-18	0.00679865	0.0118748	0.5669635	0.1588855	20	0.89834695
ENSG00000188599	16	NPIPP1	15198178	rs7501054	16	15005925	T	C	0.0994036	0.0435988	0.0135312	0.00127254	0.698635	0.0907265	1.36E-14	0.0624057	0.0209952	0.00295503	0.09072126	16	0.26201963
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	0.895326	0.0903616	3.83E-23	-0.0200607	0.00936871	0.03225406	0.268185	20	0.45862237
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.391584	0.043012	8.70E-20	-0.0039481	0.0234852	0.8664967	0.3291535	20	0.98554401
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.806633	0.0690241	1.50E-31	0.00191662	0.0114002	0.8664879	0.2329215	20	0.98554401
ENSG00000091262	16	ABCC6	16242785	rs2283503	16	16295615	A	G	0.359841	0.00306524	0.00816348	0.707302	0.514193	0.0707501	3.66E-13	0.00596126	0.0158975	0.7076739	0.1769176	10	0.94335125
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.908018	0.0781941	3.57E-31	-0.0175201	0.0120066	0.1445079	0.9918337	13	0.68107362
ENSG00000227827	16	RP11-958N24.2	16450081	rs2007413	16	16308675	T	C	0.202783	0.0134307	0.0125017	0.282684	0.861692	0.113465	3.09E-14	0.0155864	0.0146528	0.2874559	0.6922875	11	0.79641232
ENSG00000167186	16	COQ7	19078921	rs73528937	16	19055390	G	A	0.0367793	0.0071968	0.0215477	0.738384	0.891849	0.152618	5.11E-09	0.00806953	0.0242001	0.7387949	0.2756701	9	0.94997803
ENSG00000103550	16	KNOP1	19714902	rs3829539	16	19722366	C	T	0.16004	0.0277758	0.011499	0.0157138	1.14298	0.0828369	2.62E-43	0.0243012	0.0102135	0.01734494	0.06206276	20	0.38453234
ENSG00000261195	16	CTD-2380F24.1	19772494	rs2047889	16	19777705	A	C	0.16004	0.0211608	0.0115078	0.0659417	-0.641904	0.0749992	1.14E-17	-0.0329657	0.0183367	0.07220895	0.02917678	17	0.60513362
ENSG00000260306	16	RP11-645C24.5	21805416	rs4783352	16	21822469	G	A	0.199801	-0.0374486	0.00908361	3.75E-05	-0.793901	0.0846693	6.82E-21	0.0471704	0.0124989	0.00016067	0.05865648	20	0.15046502
ENSG00000248124	16	RRN3P1	21807951	rs4783352	16	21822469	G	A	0.199801	-0.0374486	0.00908361	3.75E-05	-0.574362	0.0672056	1.27E-17	0.0652003	0.0175591	0.00020465	0.02286498	20	0.15332595
ENSG00000261090	16	RP11-20G6.2	23031658	rs7500011	16	23045579	C	T	0.602386	-0.0076232	0.00824269	0.355045	0.499387	0.0881911	1.49E-08	-0.0152652	0.0167243	0.3613717	0.2032852	6	0.840274
ENSG00000260136	16	CTD-2270L9.4	23464079	rs2369013	16	23496346	C	T	0.811133	0.0121574	0.00934914	0.193472	-0.646107	0.106096	1.13E-09	-0.0188164	0.0147962	0.2034773	0.331894	8	0.72676285
ENSG00000103356	16	EARS2	23533335	rs457964	16	23587924	A	G	0.151093	-0.0098547	0.00980301	0.314767	-0.711662	0.0708178	9.26E-24	0.0138474	0.0138436	0.3171763	0.1512332	20	0.81665079
ENSG00000262587	16	RP11-266L9.4	25043202	rs4787669	16	25047197	G	A	0.667992	-0.0035245	0.00934561	0.70608	0.644114	0.0978682	4.66E-11	-0.0054718	0.014533	0.7065384	0.5717392	4	0.94255443
ENSG00000262700	16	RP11-266L9.3	25104708	rs7498466	16	25091410	A	G	0.592445	0.00340005	0.00825807	0.680542	0.673703	0.0818443	1.85E-16	0.00504681	0.0122731	0.6809182	0.5750708	10	0.93372697
ENSG00000103522	16	IL21R	27413483	rs232062	16	27494675	T	C	0.161034	0.0326818	0.0118929	0.00599598	-0.752733	0.110416	9.28E-12	-0.0434175	0.017035	0.01081159	0.1192292	11	0.3603961
ENSG00000259954	16	IL21R-AS1	27458990	rs232073	16	27513859	G	A	0.161034	0.0326037	0.0118934	0.00611913	-1.28625	0.088712	1.23E-47	-0.0253479	0.00941039	0.00706836	0.07515577	20	0.30017552
ENSG00000261329	16	CTD-2049O4.1	27690261	rs61734902	16	27761040	T	C	0.082505	-0.0054148	0.0137081	0.692842	-0.524236	0.0844278	5.32E-10	0.0103288	0.0262016	0.6934283	0.3905094	3	0.94063022
ENSG00000233232	16	NPIPB7	28467693	rs28449958	16	28528781	A	G	0.294235	-0.0074147	0.00817817	0.364594	-0.778795	0.0907424	9.28E-18	0.00952076	0.0105595	0.367253	0.7252823	20	0.840274
ENSG00000197165	16	SULT1A2	28603264	rs62031562	16	28609329	T	A	0.317097	-0.0097261	0.00812659	0.231377	0.774539	0.0986306	4.06E-15	-0.0125572	0.0106133	0.2367472	0.9594072	20	0.75264543
ENSG00000196502	16	SULT1A1	28616903	rs56305122	16	28619180	T	C	0.337972	-0.0076813	0.00816748	0.346973	-0.550306	0.0920769	2.28E-09	0.0139583	0.0150243	0.3528657	0.708229	19	0.840274
ENSG00000196993	16	NPIPB9	28763108	rs62036616	16	28826307	G	A	0.33002	-0.0108988	0.00818189	0.182839	-0.646536	0.101862	2.19E-10	0.0168572	0.0129306	0.1923482	0.9878629	19	0.70849199
ENSG00000251417	16	RP11-1348G14.4	28814097	rs62036614	16	28824685	C	T	0.33002	-0.0108586	0.00818323	0.184531	-0.496422	0.0902514	3.79E-08	0.0218737	0.0169573	0.1970754	0.5888292	10	0.71728117
ENSG00000178952	16	TUFM	28853732	rs35626515	16	28649651	A	C	0.350895	-0.0106731	0.00807427	0.186213	0.20898	0.0372851	2.08E-08	-0.0510724	0.0396965	0.1982442	0.9760149	16	0.71863206
ENSG00000213658	16	LAT	28996147	rs11643297	16	28973268	G	A	0.737575	0.0109678	0.00853356	0.198703	-0.383783	0.060945	3.03E-10	-0.0285781	0.0226938	0.2079243	0.9859875	11	0.73069947
ENSG00000103472	16	RRN3P2	29086163	rs2256528	16	29124661	T	G	0.533797	-0.0101029	0.00815796	0.215564	-0.396942	0.0693758	1.06E-08	0.0254518	0.0210279	0.2261321	0.9951929	19	0.74274316
ENSG00000260953	16	RP11-426C22.6	29273594	rs9935557	16	29283463	T	C	0.375746	0.00408933	0.00834552	0.624131	-0.767654	0.0794078	4.15E-22	-0.0053271	0.0108854	0.6245764	0.4158035	20	0.91474979
ENSG00000271699	16	SNX29P2	29362067	rs9745639	16	29342546	C	T	0.33499	-0.0013952	0.0082849	0.866265	-0.458914	0.0766997	2.19E-09	0.00304026	0.0180604	0.866317	0.2068322	3	0.98554401
ENSG00000183336	16	BOLA2	29464914	rs4788408	16	30340674	G	A	0.431412	-0.0108318	0.00826638	0.19008	-0.648025	0.0749552	5.36E-18	0.0167151	0.012902	0.1951313	0.03668791	19	0.71275062
ENSG00000103485	16	QPRT	29674600	rs9933310	16	29690904	G	A	0.39165	0.0138543	0.00815579	0.0893738	-0.533837	0.0650632	2.31E-16	-0.0259523	0.0156017	0.09622621	0.5735974	8	0.65086925
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.807141	0.0878084	3.85E-20	0.0128974	0.0110884	0.2447711	0.3187845	11	0.76092327
ENSG00000169592	16	INO80E	30006615	rs8054556	16	29958216	A	G	0.452286	-0.0250885	0.00813757	0.00204894	-0.333519	0.0504145	3.70E-11	0.0752236	0.0269186	0.00519826	0.4419424	10	0.30017552
ENSG00000149922	16	TBX6	30097114	rs3809627	16	30103160	A	C	0.416501	0.0231229	0.00805391	0.00409157	-0.397992	0.0506845	4.08E-15	-0.0580989	0.0215466	0.00700861	0.4462798	17	0.30017552
ENSG00000090238	16	YPEL3	30103635	rs7205802	16	30114124	T	C	0.478131	-0.0226501	0.00820487	0.00577006	0.185153	0.0320557	7.65E-09	-0.122332	0.0491152	0.01274868	0.6687124	6	0.3603961
ENSG00000102882	16	MAPK3	30125426	rs55732507	16	30141985	C	T	0.437376	0.0225022	0.00814491	0.00573205	0.451457	0.0497122	1.07E-19	0.0498435	0.0188578	0.00821439	0.02369506	20	0.31081905
ENSG00000183604	16	RP11-347C12.2	30234230	rs7195216	16	30336030	T	A	0.431412	-0.0110235	0.00826208	0.182131	0.483485	0.0829137	5.50E-09	-0.0228001	0.0175302	0.1933898	0.02727255	11	0.70945692
ENSG00000180096	16	1-Sep	30389454	rs62055459	16	30398408	C	T	0.672962	0.00069825	0.00864899	0.935655	0.570484	0.070048	3.82E-16	0.00122396	0.0151615	0.9356585	0.03544008	12	0.99347767
ENSG00000196118	16	C16orf93	30768744	rs3747486	16	30786927	T	C	0.277336	-0.0103679	0.00931918	0.265908	-0.411337	0.0546868	5.41E-14	0.0252054	0.0229023	0.2710882	0.375711	20	0.7847731
ENSG00000099377	16	HSD3B7	30996519	rs3747486	16	30786927	T	C	0.277336	-0.0103679	0.00931918	0.265908	0.280021	0.050494	2.93E-08	-0.0370254	0.0339434	0.275361	0.198404	6	0.78643683
ENSG00000260911	16	RP11-196G11.2	31054471	rs11640767	16	31060647	A	G	0.365805	-0.0030802	0.00823161	0.708262	0.327523	0.0545478	1.92E-09	-0.0094045	0.0251817	0.7088008	0.8685169	7	0.94335125
ENSG00000103510	16	KAT8	31127075	rs1060506	16	31133449	T	C	0.296223	-0.0088312	0.0085881	0.303804	0.457421	0.0528117	4.66E-18	-0.0193065	0.0189069	0.3071893	0.6122843	20	0.81150416
ENSG00000178226	16	PRSS36	31150246	rs1549299	16	31154146	A	G	0.697813	0.00992255	0.00860795	0.249026	-0.838224	0.0839566	1.79E-23	-0.0118376	0.0103375	0.2521627	0.7276911	10	0.76610014
ENSG00000177238	16	TRIM72	31225342	rs8056505	16	31214898	T	C	0.684891	-0.0051653	0.00828669	0.533067	0.532279	0.0718462	1.28E-13	-0.0097042	0.0156233	0.5345107	0.5853381	8	0.88585906
ENSG00000156886	16	ITGAD	31404633	rs11640148	16	31421417	C	T	0.605368	-0.0229275	0.00819397	0.00514055	0.554485	0.083446	3.04E-11	-0.0413492	0.0160344	0.00991483	0.4013108	6	0.34074276
ENSG00000197302	16	ZNF720	31724550	rs2359134	16	31849439	A	G	0.693837	0.00474521	0.00837359	0.570926	0.348963	0.0567229	7.65E-10	0.013598	0.0240972	0.5725509	0.2874796	9	0.89834695
ENSG00000171241	16	SHCBP1	46614466	rs28485103	16	46699553	A	G	0.161034	-0.0066425	0.0106615	0.53326	-0.672653	0.0914331	1.88E-13	0.00987506	0.0159067	0.5347227	0.4357276	12	0.88585906
ENSG00000155393	16	HEATR3	50099852	rs2287197	16	50106594	C	T	0.709742	0.00101991	0.00953666	0.914832	0.96201	0.0673851	3.08E-46	0.00106019	0.00991354	0.914834	0.01809375	20	0.98848475
ENSG00000103479	16	RBL2	53467889	rs8044091	16	53520998	C	T	0.468191	0.00121958	0.00840179	0.884587	-0.565734	0.0440226	8.49E-38	-0.0021558	0.0148521	0.8845941	0.6566339	20	0.98658093
ENSG00000166971	16	AKTIP	53524952	rs1861351	16	53533227	C	A	0.469185	0.00124922	0.00841007	0.881918	-0.408283	0.0502336	4.38E-16	-0.0030597	0.0206021	0.8819373	0.4882006	14	0.98658093
ENSG00000103494	16	RPGRIP1L	53631595	rs11075984	16	53737000	G	A	0.323062	0.00461277	0.00985339	0.639683	0.360851	0.0454071	1.91E-15	0.012783	0.0273533	0.6402636	0.9249567	20	0.92308109
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	0.807068	0.0939744	8.84E-18	-0.0102736	0.0136551	0.4518333	0.5961756	5	0.86418667
ENSG00000125124	16	BBS2	56500748	rs2303284	16	56554013	T	C	0.215706	-0.0026138	0.0106305	0.805775	-0.245298	0.0359778	9.23E-12	0.0106557	0.0433653	0.8058986	0.5398869	12	0.96661161
ENSG00000169715	16	MT1E	56659387	rs1610215	16	56659525	G	C	0.548708	-0.0160147	0.00812368	0.0486833	0.329699	0.0517432	1.87E-10	-0.0485737	0.025792	0.05966167	0.5711396	4	0.56580409
ENSG00000102900	16	NUP93	56764017	rs8048885	16	56800333	A	T	0.701789	0.0116845	0.00863335	0.175925	-0.227497	0.0305569	9.69E-14	-0.0513611	0.0385712	0.1829947	0.184483	10	0.69774631
ENSG00000088682	16	COQ9	57481337	rs190108	16	57461724	C	T	0.749503	-0.0225886	0.00869397	0.00937152	-0.537253	0.062384	7.18E-18	0.0420446	0.0169027	0.01286611	0.5809725	20	0.3603961
ENSG00000102978	16	POLR2C	57496299	rs2074545	16	57509956	C	G	0.600398	-0.0077257	0.00841543	0.358597	-0.245679	0.0437094	1.90E-08	0.0314464	0.0347076	0.3649171	0.1593866	6	0.840274
ENSG00000103021	16	CCDC113	58265061	rs59356903	16	58308296	A	G	0.131213	-0.0141565	0.00960985	0.140717	-0.379104	0.0647594	4.80E-09	0.037342	0.0261391	0.1531232	0.1577461	5	0.68285656
ENSG00000103023	16	PRSS54	58313901	rs6499946	16	58326610	T	G	0.774354	-0.0220094	0.0100404	0.0283733	-0.744256	0.120616	6.81E-10	0.0295724	0.0143165	0.03886542	0.1840689	13	0.48692262
ENSG00000261502	16	RP11-96H17.1	63090690	rs30889	16	63004975	A	G	0.251491	0.0043535	0.00986121	0.658867	-0.507309	0.0880355	8.29E-09	-0.0085816	0.0194952	0.6598014	0.9802084	16	0.93022809
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.721544	0.0826977	2.66E-18	-0.0202588	0.0118693	0.08785501	0.2142169	20	0.64770357
ENSG00000196123	16	KIAA0895L	67209505	rs8058861	16	67234134	G	A	0.0695825	0.0118653	0.013078	0.364265	0.380496	0.0596835	1.83E-10	0.0311838	0.0347172	0.3690674	0.3692272	12	0.840274
ENSG00000141084	16	RANBP10	67757005	rs74026419	16	67690634	G	T	0.0437376	-0.020452	0.0243738	0.401414	-0.830223	0.0972729	1.40E-17	0.0246343	0.0294997	0.4036773	0.1226634	20	0.8548192
ENSG00000167264	16	DUS2	68021649	rs10852441	16	68385439	A	T	0.496024	0.00250882	0.00807386	0.756004	-0.464507	0.0760649	1.02E-09	-0.005401	0.0174041	0.7563084	0.08376243	11	0.9539366
ENSG00000132600	16	PRMT7	68344877	rs1532211	16	68394307	A	G	0.49503	0.00254172	0.00807384	0.752906	-0.474835	0.0504277	4.68E-21	-0.0053529	0.017013	0.7530399	0.05782914	20	0.95364688
ENSG00000184939	16	ZFP90	68563993	rs11648314	16	68596775	C	T	0.792247	0.00676651	0.010515	0.519893	-0.385326	0.059962	1.31E-10	-0.0175605	0.0274251	0.5219725	0.2180338	17	0.88196165
ENSG00000141076	16	CIRH1A	69165194	rs74886619	16	69202908	G	A	0.0248509	0.0306428	0.0260738	0.239902	-1.36276	0.1259	2.65E-27	-0.0224858	0.0192455	0.2426588	0.3367726	20	0.76015979
ENSG00000132612	16	VPS4A	69345259	rs13332309	16	69351659	G	A	0.232604	0.00889205	0.00945247	0.346853	0.30396	0.0456369	2.73E-11	0.029254	0.0314064	0.3516121	0.05537084	12	0.840274
ENSG00000141101	16	NOB1	69775770	rs3811348	16	69782855	T	C	0.573559	0.0116225	0.00821582	0.157173	0.43464	0.0567434	1.86E-14	0.0267405	0.0192223	0.1641882	0.1594003	17	0.68549033
ENSG00000157322	16	CLEC18A	69984810	rs62051305	16	70022533	C	T	0.402584	-0.0053105	0.00809838	0.511989	-1.04331	0.084997	1.24E-34	0.00509001	0.00777327	0.5125902	0.02119309	20	0.87718725
ENSG00000226232	16	RP11-419C5.2	70010291	rs1971722	16	70112729	A	G	0.792247	-0.0081865	0.0106787	0.443307	-0.983163	0.0853664	1.08E-30	0.0083267	0.0108856	0.4443151	0.2139285	20	0.86418667
ENSG00000255185	16	PDXDC2P	70044654	rs3192882	16	69975631	T	A	0.397614	-0.0065461	0.0080862	0.418208	-0.671583	0.0685096	1.10E-22	0.00974721	0.0120815	0.4197884	0.0594425	20	0.86418667
ENSG00000157335	16	CLEC18C	70207225	rs62053265	16	69977302	A	C	0.43837	-0.0026106	0.00807982	0.746624	0.541675	0.0903331	2.02E-09	-0.0048194	0.014938	0.7469777	0.1529238	11	0.95189833
ENSG00000261556	16	RP11-296I10.6	70253477	rs7192268	16	70382179	T	C	0.540755	-0.0235078	0.0082395	0.00433002	-0.499487	0.04928	3.84E-24	0.0470639	0.017137	0.00602656	0.02252851	20	0.30017552
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.739267	0.0489191	1.35E-51	0.0326906	0.0113513	0.00397798	0.01926431	20	0.27595415
ENSG00000103051	16	COG4	70514471	rs4265798	16	70636616	A	T	0.936382	-0.0013545	0.0177476	0.939163	-0.577135	0.100675	9.89E-09	0.00234697	0.0307539	0.9391689	0.4519499	3	0.99347767
ENSG00000189091	16	SF3B3	70557691	rs142970930	16	70617755	T	A	0.082505	-0.0526766	0.0154073	0.00062868	0.567386	0.102063	2.71E-08	-0.0928409	0.0318794	0.00358829	0.1220076	3	0.27595415
ENSG00000102967	16	DHODH	72042487	rs7195958	16	72036577	G	A	0.491054	-0.0046513	0.00807793	0.564752	-0.332371	0.0582202	1.14E-08	0.0139942	0.0244273	0.5667187	0.00185566	8	0.89834695
ENSG00000140830	16	TXNL4B	72078188	rs7202724	16	72030439	G	A	0.346918	-0.0045698	0.00868511	0.598774	0.447502	0.0762097	4.31E-09	-0.0102118	0.0194857	0.6002332	0.0446751	9	0.90385749
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	1.04532	0.0877756	1.06E-32	0.00843474	0.00979833	0.3893295	0.03210481	20	0.84859336
ENSG00000259972	16	AC009120.6	74339100	rs9927929	16	74346513	G	T	0.162028	0.00656357	0.010131	0.517068	-0.538479	0.0723353	9.75E-14	-0.0121891	0.0188852	0.5186484	0.3047968	4	0.88111424
ENSG00000168411	16	RFWD3	74655292	rs62051918	16	74613781	C	T	0.187873	-0.0042956	0.010818	0.691312	0.665115	0.100861	4.27E-11	-0.0064584	0.0162943	0.6918421	0.3578984	8	0.94002195
ENSG00000184517	16	ZFP1	75182390	rs374106642	16	75182433	C	A	0.0198807	0.0576973	0.0298913	0.0535772	-1.34945	0.138011	1.40E-22	-0.0427562	0.0225782	0.05826607	0.3513361	9	0.56431793
ENSG00000153774	16	CFDP1	75327596	rs11641311	16	75312031	G	T	0.639165	0.00047871	0.0084003	0.954555	-0.27822	0.0506851	4.04E-08	-0.0017206	0.0301946	0.9545574	0.1737152	9	0.99347767
ENSG00000065457	16	ADAT1	75630879	rs111806827	16	75672864	G	A	0.328032	0.00527157	0.00843169	0.531834	0.506068	0.0710013	1.02E-12	0.0104167	0.0167252	0.5334043	0.140373	17	0.88585906
ENSG00000103111	16	MON1B	77224732	rs9674287	16	77277005	G	A	0.728628	0.00164093	0.00961313	0.864462	0.351844	0.0526241	2.29E-11	0.0046638	0.027331	0.8645059	0.8047501	14	0.98554401
ENSG00000205078	16	SYCE1L	77233294	rs8398	16	77233338	T	C	0.260437	-0.0136137	0.00898869	0.129889	1.15922	0.0853674	5.32E-42	-0.0117438	0.00780217	0.1322718	0.09862676	20	0.67286028
ENSG00000140873	16	ADAMTS18	77281710	rs2650905	16	77396431	C	T	0.593439	0.00143689	0.00806069	0.85852	-1.09858	0.092483	1.53E-32	-0.001308	0.0073382	0.8585354	0.519532	20	0.98554401
ENSG00000261707	16	RP11-264M12.2	77775365	rs1133108	16	77775917	G	A	0.510934	-0.0008633	0.00806103	0.914713	-0.640297	0.108228	3.29E-09	0.00134828	0.0125916	0.9147271	0.2831518	7	0.98848475
ENSG00000186153	16	WWOX	78133310	rs34720311	16	78130407	T	C	0.272366	-0.0175834	0.00852993	0.0392672	-0.270734	0.0486673	2.65E-08	0.0649471	0.0336002	0.05324387	0.021836	20	0.55249733
ENSG00000261390	16	RP11-345M22.2	79750622	rs7196490	16	79752469	C	T	0.414513	0.0139839	0.00844975	0.0979332	-0.685146	0.0737512	1.54E-20	-0.0204101	0.0125269	0.1032501	0.4168241	19	0.65086925
ENSG00000260213	16	RP11-303E16.3	81050397	rs55776427	16	81005896	C	T	0.237575	-0.0027242	0.00854732	0.749943	-0.590825	0.0879904	1.89E-11	0.00461077	0.014483	0.7502144	0.7924564	20	0.95264532
ENSG00000140905	16	GCSH	81115566	rs57876487	16	81129208	T	C	0.904573	-0.0016716	0.0116317	0.885728	0.390925	0.061194	1.68E-10	-0.004276	0.0297618	0.8857569	0.7933531	20	0.98658093
ENSG00000166558	16	SLC38A8	84043272	rs9928085	16	84074978	T	C	0.228628	0.00527853	0.00926687	0.568941	-0.858958	0.0856229	1.10E-23	-0.0061453	0.0108059	0.5695618	0.01393233	20	0.89834695
ENSG00000103160	16	HSDL1	84155886	rs3826138	16	84095451	G	C	0.28827	0.00842574	0.00890348	0.343974	0.24532	0.0410473	2.28E-09	0.0343459	0.0367455	0.3499444	0.9327455	20	0.840274
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.764003	0.0555652	5.12E-43	-0.0036266	0.0105778	0.7317125	0.1272248	20	0.94945828
ENSG00000140955	16	ADAD2	84224744	rs34693209	16	84209138	T	A	0.454274	0.00238841	0.00807355	0.76736	-0.529994	0.0822018	1.14E-10	-0.0045065	0.0152493	0.7675963	0.2340855	19	0.9565588
ENSG00000168418	16	KCNG4	84255823	rs13332865	16	84233007	G	C	0.366799	0.0145735	0.00841811	0.0834142	-0.573947	0.0856919	2.12E-11	-0.0253917	0.0151491	0.09371405	0.8393474	11	0.65086925
ENSG00000261286	16	RP11-517C16.2	84492865	rs396491	16	84524227	C	G	0.424453	-0.01965	0.00806063	0.0147781	0.510752	0.072611	2.01E-12	-0.0384727	0.0167028	0.02125807	0.6305471	20	0.40333901
ENSG00000135686	16	KLHL36	84682131	rs72797510	16	84690467	T	C	0.348907	0.00311655	0.00924106	0.735929	-0.335787	0.0554253	1.38E-09	-0.0092813	0.0275632	0.7363212	0.7257006	13	0.94997803
ENSG00000270020	16	RP11-463O9.9	86553989	rs11645968	16	86572648	G	A	0.607356	0.00285083	0.0084769	0.736641	-0.856261	0.0848824	6.27E-24	-0.0033294	0.0099054	0.7367811	0.1802699	20	0.94997803
ENSG00000104731	16	KLHDC4	87730091	rs9934565	16	87764267	T	A	0.461233	0.00961517	0.00825818	0.244294	0.518737	0.0558365	1.54E-20	0.0185357	0.0160443	0.2479745	0.08872196	20	0.76274604
ENSG00000174990	16	CA5A	87921625	rs6540098	16	87933770	C	T	0.281312	0.00860125	0.00966187	0.373345	0.623219	0.0780012	1.35E-15	0.0138013	0.0155991	0.3762907	0.1366426	19	0.84571736
ENSG00000260166	16	RP11-863P13.6	88120993	rs8045717	16	88121130	A	G	0.965209	-0.0211837	0.0376433	0.573606	0.671809	0.110628	1.26E-09	-0.0315323	0.0562728	0.5752425	0.4072221	8	0.89834695
ENSG00000205037	16	RP11-863P13.4	88121647	rs8045717	16	88121130	A	G	0.965209	-0.0211837	0.0376433	0.573606	0.411839	0.0702787	4.63E-09	-0.0514368	0.0918234	0.5753627	0.6736834	5	0.89834695
ENSG00000261744	16	RP11-21B21.4	88579368	rs8063837	16	88595612	A	G	0.0904573	-0.0117564	0.0122994	0.339149	-1.33378	0.207489	1.29E-10	0.00881435	0.00932285	0.344426	0.2486403	7	0.83501439
ENSG00000260630	16	SNAI3-AS1	88729706	rs13334987	16	88733605	G	T	0.366799	0.00831249	0.00818415	0.309781	-0.341866	0.0458451	8.85E-14	-0.0243151	0.0241607	0.3142284	0.7441401	14	0.81435501
ENSG00000174177	16	CTU2	88772871	rs12600041	16	88777528	G	A	0.777336	-0.0039267	0.00906783	0.664985	0.438751	0.0598594	2.31E-13	-0.0089498	0.0207034	0.6655329	0.3183172	19	0.93231526
ENSG00000224888	16	RP5-1142A6.2	88797588	rs8050504	16	88797568	A	G	0.383698	0.00618363	0.0081045	0.445471	-0.441364	0.0625371	1.69E-12	-0.0140103	0.0184694	0.4481115	0.4711474	4	0.86418667
ENSG00000182376	16	RP5-1142A6.8	88809175	rs4782405	16	88811033	C	T	0.601392	-0.0128746	0.00817444	0.115261	0.558726	0.0814919	7.07E-12	-0.0230428	0.0150116	0.1247832	0.2650903	20	0.66377689
ENSG00000198931	16	APRT	88875747	rs8191469	16	88878357	T	G	0.055666	-0.053047	0.0206921	0.0103581	-0.642473	0.110087	5.35E-09	0.0825669	0.0351774	0.0189172	0.8508444	5	0.39343431
ENSG00000167515	16	TRAPPC2L	88922628	rs12597391	16	88928290	G	A	0.311133	-0.0026133	0.00890857	0.769258	0.215311	0.0356354	1.52E-09	-0.0121373	0.0414241	0.7695218	0.7487847	8	0.95736588
ENSG00000176715	16	ACSF3	89154783	rs7202765	16	89170421	A	G	0.704771	0.0149037	0.00850736	0.0797976	-0.576265	0.0746004	1.12E-14	-0.0258626	0.0151378	0.08754824	0.8888252	20	0.64685544
ENSG00000259803	16	SLC22A31	89262406	rs76808594	16	89268376	G	T	0.184891	-0.010283	0.0114189	0.367843	0.694651	0.117128	3.02E-09	-0.0148031	0.0166267	0.3732943	0.6572912	5	0.84289358
ENSG00000259877	16	RP11-46C24.7	89281638	rs3803722	16	89284286	G	A	0.0626243	-0.013969	0.0182129	0.443091	-0.80097	0.110177	3.60E-13	0.0174401	0.0228648	0.4456121	0.1546299	19	0.86418667
ENSG00000167523	16	SPATA33	89724210	rs76762453	16	89723602	A	G	0.316103	-0.0138406	0.00884074	0.117455	0.428766	0.0550668	6.90E-15	-0.0322801	0.0210317	0.1248254	0.5154279	20	0.66377689
ENSG00000185324	16	CDK10	89747145	rs77651727	16	89708267	T	C	0.0506958	0.00017238	0.0163159	0.991571	-0.741537	0.0931229	1.68E-15	-0.0002325	0.0220028	0.9915706	0.5315835	20	0.99595203
ENSG00000260259	16	RP11-368I7.4	89749028	rs2115400	16	89760712	A	G	0.342942	-0.011599	0.00841807	0.168242	-0.625594	0.0937889	2.55E-11	0.0185408	0.0137402	0.1772149	0.3584255	19	0.69740293
ENSG00000075399	16	VPS9D1	89773542	rs12920315	16	89777761	T	C	0.552684	-0.005635	0.00823011	0.493548	0.241983	0.034757	3.35E-12	-0.0232867	0.0341752	0.4956238	0.5200365	20	0.86872655
ENSG00000261373	16	VPS9D1-AS1	89778264	rs34141697	16	89786121	T	A	0.235586	-0.0039108	0.00998636	0.695346	0.547851	0.074602	2.08E-13	-0.0071384	0.0182541	0.6957569	0.2609624	20	0.94090446
ENSG00000187741	16	FANCA	89803957	rs11076633	16	89886392	G	C	0.303181	-0.0137839	0.00835957	0.0991722	0.346895	0.0549579	2.75E-10	-0.0397351	0.0249069	0.1106359	0.5405944	3	0.65086925
ENSG00000204991	16	SPIRE2	89884587	rs11076633	16	89886392	G	C	0.303181	-0.0137839	0.00835957	0.0991722	0.269228	0.0442836	1.20E-09	-0.0511979	0.0321719	0.1115226	0.7957599	16	0.65086925
ENSG00000258839	16	MC1R	89978527	rs3212371	16	89987201	G	A	0.0924453	-0.0106211	0.0146542	0.468585	0.615492	0.0893929	5.77E-12	-0.0172563	0.0239405	0.4710329	0.4004482	20	0.86418667
ENSG00000141013	16	GAS8	90086037	rs76265950	16	90085139	C	A	0.084493	0.0142478	0.0167695	0.395533	1.04175	0.127995	3.99E-16	0.0136768	0.0161849	0.3980918	0.193818	20	0.85165727
ENSG00000221819	16	C16orf3	90095316	rs76265950	16	90085139	C	A	0.084493	0.0142478	0.0167695	0.395533	0.966509	0.168394	9.49E-09	0.0147415	0.0175397	0.4006465	0.4380532	13	0.85364306
ENSG00000222019	16	URAHP	90106169	rs62054570	16	90063890	G	T	0.117296	0.00825995	0.0121616	0.497021	0.529091	0.0878269	1.70E-09	0.0156116	0.0231315	0.4997348	0.4170246	20	0.86872655
ENSG00000262061	17	RP11-1260E13.4	180996	rs11871632	17	180923	T	G	0.395626	0.00321397	0.00843247	0.703098	0.628149	0.0762371	1.73E-16	0.00511657	0.0134387	0.7033999	0.6032669	12	0.94255443
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	0.895095	0.0650375	4.27E-43	0.0132148	0.0104607	0.2064897	0.5960743	14	0.72835256
ENSG00000183688	17	FAM101B	289769	rs11653376	17	288595	G	C	0.251491	-0.0057916	0.00959728	0.546198	0.544384	0.0831794	5.96E-11	-0.0106389	0.0177044	0.5478948	0.7196734	9	0.8868228
ENSG00000141252	17	VPS53	411908	rs2456274	17	618408	A	C	0.307157	0.00414976	0.00882259	0.6381	-0.285162	0.0413016	5.04E-12	-0.0145523	0.0310106	0.6388777	0.5968298	16	0.9225516
ENSG00000167695	17	FAM57A	635652	rs2657621	17	635080	C	A	0.472167	0.0121618	0.008267	0.141258	0.625725	0.0670462	1.03E-20	0.0194363	0.013375	0.1461729	0.7034042	10	0.68107362
ENSG00000231784	17	DBIL5P	655900	rs2740345	17	667377	A	G	0.0337972	0.0197491	0.0229735	0.389985	1.58397	0.235554	1.76E-11	0.0124681	0.0146218	0.3938216	0.08522216	5	0.84980168
ENSG00000262228	17	RP11-676J12.4	666805	rs72810267	17	698814	A	G	0.248509	0.0115493	0.0102947	0.261916	-0.656087	0.10929	1.93E-09	-0.0176033	0.0159627	0.2701239	0.3836303	6	0.78358753
ENSG00000177370	17	TIMM22	900357	rs3744750	17	907315	T	C	0.751491	-0.0018784	0.00879942	0.830966	-0.272658	0.0482511	1.60E-08	0.00688903	0.0322958	0.8310846	0.2356835	4	0.9781418
ENSG00000108953	17	YWHAE	1247566	rs62087922	17	1261580	G	C	0.28827	-0.0063782	0.00859833	0.458213	-0.274299	0.0498484	3.74E-08	0.0232527	0.0316301	0.4622523	0.06317666	9	0.86418667
ENSG00000167711	17	SERPINF2	1646130	rs2070862	17	1648294	T	C	0.223658	-0.0023051	0.00992405	0.816323	0.596639	0.0748094	1.52E-15	-0.0038635	0.0166403	0.8164	0.898344	5	0.97241157
ENSG00000132383	17	RPA1	1732996	rs1131636	17	1801189	T	C	0.626243	0.0167191	0.00811983	0.0394903	-0.331641	0.054351	1.05E-09	-0.0504132	0.0258402	0.05106165	0.6996507	4	0.54968599
ENSG00000108963	17	DPH1	1933404	rs8065878	17	1952079	T	C	0.295229	0.0134722	0.00859877	0.11717	0.354101	0.0383452	2.59E-20	0.0380462	0.0246304	0.1224226	0.00775079	20	0.66369299
ENSG00000167720	17	SRR	2206677	rs112258894	17	2157817	T	C	0.355865	0.0143406	0.00835599	0.0861232	-0.763052	0.0634466	2.57E-33	-0.0187937	0.0110617	0.08932019	0.1013375	20	0.64948716
ENSG00000167723	17	TRPV3	3413796	rs1810048	17	3434262	A	G	0.131213	0.0117516	0.00999964	0.239913	-0.562615	0.0753831	8.43E-14	-0.0208875	0.0179925	0.2456831	0.1043423	14	0.76123939
ENSG00000197417	17	SHPK	3511556	rs62069929	17	3515275	C	T	0.247515	0.0144782	0.00921876	0.116295	1.04413	0.0807202	2.85E-38	0.0138663	0.00889397	0.1189809	0.5517694	20	0.66369299
ENSG00000040531	17	CTNS	3539762	rs2235104	17	3564815	G	A	0.227634	-0.0084626	0.00916791	0.355975	-0.386306	0.0527028	2.30E-13	0.0219064	0.0239197	0.3597562	0.7353412	9	0.840274
ENSG00000182557	17	SPNS3	4336983	rs35384808	17	4335636	A	G	0.242545	0.00816736	0.0102853	0.427151	-0.439137	0.0791893	2.93E-08	-0.0185987	0.0236605	0.4318308	0.6850606	4	0.86418667
ENSG00000161905	17	ALOX15	4534197	rs11657052	17	4570573	T	C	0.774354	-0.0092555	0.0105197	0.378958	-0.636262	0.0728222	2.39E-18	0.0145466	0.0166172	0.3813593	0.7235007	19	0.84640362
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-0.967167	0.102176	2.92E-21	0.0143839	0.0139321	0.3018733	0.7174877	13	0.80989807
ENSG00000108556	17	CHRNE	4801069	rs72835069	17	4814117	A	G	0.0934394	-0.0206405	0.0118711	0.0820843	1.0659	0.126272	3.14E-17	-0.0193644	0.011371	0.08857411	0.9571727	20	0.64931236
ENSG00000205710	17	C17orf107	4802713	rs2302319	17	4797305	A	G	0.102386	-0.0004864	0.0129059	0.969937	0.476311	0.0653914	3.24E-13	-0.0010212	0.0270959	0.9699371	0.5622611	8	0.99471489
ENSG00000091640	17	SPAG7	4862521	rs72838327	17	4904376	A	T	0.0884692	0.0148596	0.0123438	0.228666	0.737172	0.071326	4.88E-25	0.0201576	0.016858	0.2318031	0.1946629	20	0.74724783
ENSG00000161929	17	SCIMP	5112256	rs2439945	17	5124462	T	C	0.171968	0.0057873	0.0109685	0.597756	0.57986	0.0961792	1.65E-09	0.00998051	0.0189881	0.5991522	0.7172576	7	0.90385749
ENSG00000108559	17	NUP88	5264258	rs8064959	17	5277729	T	A	0.363817	-0.0135062	0.00813234	0.0967542	-0.41233	0.0697507	3.39E-09	0.0327558	0.0204865	0.1098431	0.7067594	7	0.65086925

ENSG00000167842	17	MIS12	5389605	rs59554068	17	5359838	G	A	0.331014	-0.0009095	0.00847947	0.914581	0.342056	0.0540886	2.55E-10	-0.002659	0.0247933	0.9145935	0.6294922	11	0.98848475
ENSG00000091592	17	NLRP1	5402747	rs12603924	17	5411610	C	T	0.251491	0.00122514	0.00896497	0.891301	0.226472	0.0380491	2.65E-09	0.00540968	0.0395958	0.8913291	0.2931399	6	0.98658093
ENSG00000256806	17	AC004706.1	6555059	rs2040847	17	6558011	A	G	0.461233	0.00288987	0.00809112	0.720968	-0.303367	0.0503717	1.72E-09	-0.009526	0.0267179	0.7214368	0.9355519	10	0.94509525
ENSG00000181856	17	SLC2A4	7184986	rs5418	17	7185092	A	G	0.568588	-0.0100104	0.00823255	0.224005	0.3347	0.0505351	3.52E-11	-0.0299086	0.0250079	0.2317102	0.5543841	15	0.74724783
ENSG00000132507	17	EIF5A	7210318	rs4796403	17	7223172	A	G	0.518887	-8.54E-05	0.00820959	0.991698	-0.397193	0.0448109	7.74E-19	0.00021506	0.020669	0.9916981	0.00450721	14	0.99595203
ENSG00000170175	17	CHRNB1	7348380	rs67328311	17	7352976	T	G	0.341948	0.00634632	0.00816542	0.43703	0.306134	0.0512917	2.39E-09	0.0207305	0.0268979	0.4408777	0.9816343	9	0.86418667
ENSG00000174282	17	ZBTB4	7362685	rs2111438	17	7423200	T	G	0.846918	0.00122096	0.00891355	0.891048	0.336146	0.0569105	3.49E-09	0.00363223	0.026524	0.8910773	0.5909206	5	0.98658093
ENSG00000129214	17	SHBG	7517382	rs6608	17	7464413	T	C	0.162028	-0.0046993	0.0149524	0.753307	-0.73101	0.129837	1.80E-08	0.00642848	0.0204863	0.7536774	0.06383056	7	0.9539366
ENSG00000141504	17	SAT2	7529552	rs858520	17	7530271	T	C	0.388668	0.00513286	0.00835688	0.539078	0.504666	0.05438	1.69E-20	0.0101708	0.0165955	0.5399644	0.4802962	14	0.88612583
ENSG00000170049	17	KCNAB3	7825177	rs11078724	17	7898460	A	G	0.446322	-0.0150089	0.00812585	0.0647396	-0.236938	0.0422567	2.06E-08	0.0633453	0.0361081	0.07937512	0.02366982	10	0.62074989
ENSG00000179593	17	ALOX15B	7942335	rs7215842	17	7967665	C	G	0.234592	0.00509607	0.00855053	0.551179	-0.449836	0.0773326	5.99E-09	-0.0113287	0.0191076	0.5532543	0.9205042	14	0.88909936
ENSG00000178971	17	CTC1	8130191	rs3027240	17	8134514	G	A	0.0139165	-0.0063072	0.0466451	0.89244	0.979833	0.166712	4.17E-09	-0.006437	0.0476177	0.8924688	0.8607621	3	0.98658093
ENSG00000178921	17	PFAS	8150936	rs4792590	17	8117115	G	A	0.890656	0.00035547	0.0152809	0.981441	-0.385787	0.0673458	1.01E-08	-0.0009214	0.03961	0.9814412	0.7642634	13	0.99550269
ENSG00000184619	17	KRBA2	8271955	rs2909442	17	8278822	G	C	0.715706	-0.0090245	0.00836321	0.280559	0.623858	0.0820209	2.83E-14	-0.0144656	0.0135399	0.2853548	0.5941274	13	0.79593379
ENSG00000065325	17	GLP2R	9725523	rs2047664	17	9728611	G	C	0.117296	0.017953	0.0126163	0.154738	-0.78268	0.0974959	9.92E-16	-0.0229379	0.0163706	0.1611668	0.263624	4	0.68549033
ENSG00000109047	17	RCVRN	9799637	rs1129463	17	9816226	G	A	0.552684	-0.013214	0.00811184	0.103318	-1.18564	0.0789626	5.84E-51	0.011145	0.00688188	0.1053452	0.0219597	20	0.65086925
ENSG00000109063	17	MYH3	10531843	rs56121112	17	10577573	C	A	0.511928	0.0098821	0.00807854	0.221235	0.33587	0.0520132	1.07E-10	0.0294224	0.0244803	0.2294107	0.8069279	5	0.74543747
ENSG00000133028	17	SCO1	10583654	rs4792019	17	10599304	C	T	0.469185	0.0103028	0.00815802	0.206625	0.467623	0.0530252	1.16E-18	0.0220323	0.0176237	0.2112445	0.9438665	12	0.73429563
ENSG00000170222	17	ADPRM	10600911	rs2520161	17	10603421	G	A	0.470179	0.0112254	0.00814135	0.167953	0.489875	0.076411	1.45E-10	0.0229148	0.0169993	0.1776615	0.9917707	7	0.69740293
ENSG00000187824	17	TMEM220	10602332	rs379813	17	10629258	G	A	0.472167	0.0114013	0.0081171	0.160139	-0.376025	0.0406217	2.11E-20	-0.0303206	0.0218337	0.164922	0.9975633	16	0.68549033
ENSG00000006744	17	ELAC2	12895708	rs1044569	17	12895929	A	G	0.60338	0.00463236	0.00820743	0.572474	0.545133	0.0501408	1.57E-27	0.00849767	0.0150761	0.5729913	0.08382547	20	0.89834695
ENSG00000125409	17	TEKT3	15207128	rs189330	17	15460005	T	A	0.326044	0.0167038	0.0083859	0.0463831	-0.500468	0.0745958	1.96E-11	-0.0333764	0.017479	0.05619641	0.2444752	9	0.55987168
ENSG00000239704	17	CDRT4	15339332	rs143003089	17	15449895	G	C	0.0656064	0.00899	0.0178279	0.614076	-0.613264	0.0956578	1.45E-10	-0.0146593	0.0291603	0.615166	0.4216096	11	0.91011526
ENSG00000214946	17	TBC1D26	15635561	rs3865264	17	15618623	T	G	0.741551	-0.0206655	0.00875405	0.0182415	0.883759	0.0828684	1.49E-26	-0.0233836	0.0101452	0.02117297	0.4001409	20	0.40333901
ENSG00000233002	17	AC005324.6	15638337	rs2240593	17	15647723	T	C	0.225646	0.00106747	0.0101828	0.91651	0.6808	0.103538	4.85E-11	0.00156796	0.014959	0.9165207	0.08951129	10	0.98848475
ENSG00000179277	17	MEIS3P1	15689932	rs534861	17	15690793	C	T	0.303181	-0.0069952	0.00864396	0.418364	-0.426147	0.0585873	3.50E-13	0.0164151	0.0204091	0.4212234	0.5112472	13	0.86418667
ENSG00000265519	17	CTD-3157E16.1	15691101	rs12449437	17	15684711	C	A	0.33499	-0.0066188	0.00825431	0.422637	-0.45871	0.0722729	2.20E-10	0.0144291	0.0181377	0.4263045	0.7128137	13	0.86418667
ENSG00000214941	17	ZSWIM7	15879874	rs2286796	17	15884227	G	A	0.573559	-0.0013149	0.0082278	0.873027	-0.753534	0.0575758	3.87E-39	0.001745	0.0109198	0.8730368	0.6623327	20	0.98658093
ENSG00000166582	17	CENPV	16245848	rs12603712	17	16245481	A	G	0.464215	0.00343096	0.00804944	0.669936	0.722154	0.0546083	6.36E-40	0.00475101	0.0111522	0.6700972	0.4273865	20	0.93280877
ENSG00000187688	17	TRPV2	16318856	rs3813769	17	16318932	C	T	0.33002	0.00655966	0.00903515	0.467829	-0.895216	0.0713951	4.57E-36	-0.0073275	0.0101096	0.4685737	0.9073476	18	0.86418667
ENSG00000226145	17	AC022596.6	16721297	rs59075054	17	16636374	A	G	0.0765408	-0.0108911	0.0204123	0.593648	-0.872743	0.134139	7.71E-11	0.0124792	0.0234672	0.5948849	0.1554614	8	0.90256737
ENSG00000179598	17	PLD6	17104309	rs76253014	17	17113961	T	G	0.146123	0.0282718	0.0130459	0.0302273	-0.444287	0.0806415	3.60E-08	-0.0636341	0.0315536	0.04372701	0.4705062	6	0.51544583
ENSG00000154803	17	FLCN	17115526	rs1708618	17	17131869	C	T	0.567594	-0.008569	0.00842558	0.309142	0.417897	0.0450829	1.87E-20	-0.0205051	0.0202828	0.3120372	0.1808708	15	0.81435501
ENSG00000205309	17	NT5M	17206649	rs7211243	17	17208965	A	G	0.0576541	0.0533782	0.0212311	0.0119319	0.471053	0.075548	4.51E-10	0.113317	0.0485977	0.01971485	0.6947976	7	0.39537444
ENSG00000108591	17	DRG2	17991200	rs2955386	17	17999673	C	T	0.908549	0.018229	0.0131226	0.164794	0.715582	0.0956985	7.58E-14	0.0254744	0.0186521	0.1720136	0.719592	7	0.6962068
ENSG00000091536	17	MYO15A	18012020	rs865923	17	18054917	C	T	0.602386	0.0113833	0.00819065	0.164591	0.32634	0.0493479	3.76E-11	0.0348817	0.0256468	0.1738042	0.08774162	12	0.69660051
ENSG00000091542	17	ALKBH5	18086392	rs854801	17	18081615	T	C	0.39165	0.011073	0.00813097	0.173251	0.383607	0.052309	2.24E-13	0.0288655	0.0215585	0.1805904	0.1964734	4	0.69774631
ENSG00000177302	17	TOP3A	18174742	rs598895	17	18291975	A	G	0.581511	0.00135863	0.00820022	0.868407	-0.403942	0.0570852	1.48E-12	-0.0033634	0.0203061	0.8684428	0.909202	14	0.98554401
ENSG00000176974	17	SHMT1	18231187	rs4324187	17	18501996	G	C	0.535785	-0.0059106	0.00816667	0.469217	-0.325956	0.0510381	1.70E-10	0.0181332	0.0252149	0.4720495	0.8706109	10	0.86418667
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.01212	0.068786	5.24E-49	-0.0053396	0.00808036	0.5087316	0.7838957	20	0.87498098
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.0941	0.0711651	2.44E-53	-0.0049395	0.00747427	0.5086957	0.7485714	20	0.87498098
ENSG00000213077	17	FAM106A	18427880	rs62072802	17	18490410	G	A	0.465209	0.00584692	0.00816813	0.474101	-0.773724	0.0808012	1.01E-21	-0.0075569	0.0105864	0.4753327	0.7862702	20	0.86418667
ENSG00000154874	17	CCDC144B	18441117	rs34925025	17	18528623	G	A	0.544732	-0.0029976	0.00816877	0.713654	0.641719	0.067471	1.89E-21	-0.0046711	0.012739	0.713858	0.7676238	20	0.94509525
ENSG00000108448	17	TRIM16L	18601311	rs8070109	17	18598568	T	C	0.760437	-0.0028698	0.00927792	0.75708	0.450245	0.0819444	3.92E-08	-0.0063739	0.020639	0.7574522	0.579585	13	0.95407395
ENSG00000171928	17	TVP23B	18684308	rs4123417	17	18715642	C	T	0.49503	0.0032883	0.00810488	0.68495	-0.385513	0.0494554	6.43E-15	-0.0085297	0.0210521	0.6853525	0.1883839	16	0.93629849
ENSG00000141127	17	PRPSAP2	18743398	rs67735616	17	18782691	A	G	0.481113	-0.006916	0.00820174	0.399094	0.442602	0.0617445	7.59E-13	-0.0156259	0.0186585	0.4023306	0.1419421	15	0.85364306
ENSG00000227078	17	AC004448.2	19322348	rs4924785	17	19353378	T	C	0.714712	-0.0006027	0.00822991	0.94162	-0.513884	0.0926695	2.93E-08	0.00117284	0.0160165	0.9416257	0.3262724	3	0.99347767
ENSG00000235979	17	AC004448.5	19342456	rs7220633	17	19367161	G	C	0.728628	-0.0001287	0.00835468	0.987713	-0.545283	0.0673049	5.42E-16	0.00023595	0.0153218	0.9877133	0.4492783	9	0.99595203
ENSG00000270091	17	RP11-78O7.2	19799903	rs203469	17	19806404	C	T	0.394632	0.0239587	0.00844702	0.00456331	-0.367284	0.0527173	3.24E-12	-0.0652321	0.0248314	0.00861426	0.6721218	20	0.31636303
ENSG00000261033	17	RP11-209D14.2	19911364	rs36097967	17	19889254	A	G	0.297217	0.0121803	0.00913108	0.182225	-0.483823	0.0577946	5.69E-17	-0.0251751	0.0191109	0.1877315	0.1322799	20	0.70253861
ENSG00000128487	17	SPECC1	19912657	rs10083840	17	19965972	G	A	0.400596	0.00714283	0.00849464	0.400425	0.295553	0.051483	9.42E-09	0.0241677	0.0290482	0.4054169	0.1151517	18	0.85560096
ENSG00000154898	17	CCDC144CP	20224477	rs75296798	17	20217375	A	G	0.102386	0.0168417	0.0135097	0.212529	0.589056	0.0991502	2.83E-09	0.028591	0.023434	0.2224396	0.07454407	7	0.74274316
ENSG00000189423	17	USP32P3	20318860	rs75296798	17	20217375	A	G	0.102386	0.0168417	0.0135097	0.212529	0.457323	0.0807713	1.50E-08	0.0368267	0.0302484	0.2234231	0.1178582	15	0.74274316
ENSG00000230528	17	NOS2P3	20339650	rs2449922	17	20378625	C	G	0.440358	0.00886743	0.0083254	0.286828	-0.599587	0.0637364	5.09E-21	-0.0147892	0.0139739	0.2898988	0.4033869	20	0.79710593
ENSG00000226981	17	ABHD17AP6	20717933	rs2993360	17	20741660	C	T	0.380716	-0.0037776	0.00836976	0.651745	-0.459065	0.0815973	1.84E-08	0.0082289	0.0182908	0.6527871	0.780094	3	0.9271714
ENSG00000124422	17	USP22	20902910	rs4985959	17	20910834	A	G	0.527833	0.00510208	0.00807724	0.527608	-0.175745	0.0291428	1.63E-09	-0.0290312	0.0462114	0.5298569	0.4584423	3	0.88585906
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.640808	0.0593051	3.25E-27	-0.0152135	0.0153252	0.3208499	0.4620347	12	0.8185229
ENSG00000004142	17	POLDIP2	26673659	rs2227735	17	26693258	T	C	0.575547	0.00373123	0.00810147	0.645113	0.31747	0.0375015	2.55E-17	0.011753	0.0255566	0.6456009	0.1219642	13	0.92308109
ENSG00000244045	17	TMEM199	26684604	rs4794828	17	26717268	A	G	0.5	0.00220187	0.00811572	0.786153	0.441274	0.0682624	1.02E-10	0.0049898	0.0184078	0.7863367	0.9392685	9	0.96301985
ENSG00000167525	17	PROCA1	27030215	rs550816	17	26967962	C	A	0.332008	-0.0029596	0.00827284	0.720527	-0.372838	0.0648195	8.82E-09	0.00793814	0.0222317	0.721044	0.8660954	3	0.94509525
ENSG00000221995	17	TIAF1	27400537	rs12603862	17	27426411	A	G	0.335984	0.00538246	0.00853687	0.528371	-0.360808	0.0506894	1.09E-12	-0.0149178	0.0237531	0.5299799	0.02763046	17	0.88585906
ENSG00000176927	17	EFCAB5	28256218	rs7212162	17	28321328	A	T	0.463221	-0.0142417	0.00806363	0.0773695	0.516288	0.0699632	1.59E-13	-0.0275848	0.0160596	0.08585963	0.0643555	20	0.63911656
ENSG00000108587	17	GOSR1	28804380	rs11080127	17	28797497	G	A	0.516899	-0.0058894	0.00805538	0.464711	-0.635119	0.0626266	3.62E-24	0.00927288	0.0127162	0.4658678	0.2427178	20	0.86418667
ENSG00000231421	17	AC006050.2	28900489	rs11655681	17	28969013	T	C	0.106362	0.00156552	0.0142904	0.912766	1.34793	0.104969	9.63E-38	0.00116143	0.0106021	0.9127691	0.9284568	15	0.98821764
ENSG00000264538	17	SUZ12P	29036317	rs59284450	17	29105228	T	G	0.107356	0.00382679	0.0142578	0.788392	-0.863167	0.0902801	1.17E-21	-0.0044334	0.0165245	0.788473	0.8681876	14	0.96301985
ENSG00000266490	17	CTD-2349P21.9	29119390	rs55872374	17	29149881	T	C	0.284294	-0.0123312	0.00887962	0.164922	0.695551	0.0828777	4.76E-17	-0.0177287	0.0129399	0.1706625	0.1375096	15	0.69564932
ENSG00000141314	17	RHBDL3	30593195	rs9915731	17	30599555	A	T	0.299205	0.00838697	0.0085979	0.329328	-0.383502	0.053235	5.85E-13	-0.0218694	0.022624	0.3337212	0.2313471	16	0.83064426
ENSG00000266718	17	RP11-466A19.1	30822554	rs76128637	17	30822830	A	G	0.125249	-0.0241159	0.0120633	0.0455963	0.847552	0.101033	4.91E-17	-0.0284536	0.0146317	0.05181624	0.8003358	20	0.55150699
ENSG00000006042	17	TMEM98	31254928	rs113869178	17	31255285	A	C	0.145129	0.0149599	0.0134652	0.266568	-0.443588	0.062294	1.07E-12	-0.0337248	0.0307224	0.2723249	0.5582704	10	0.78596916
ENSG00000197322	17	C17orf102	32901142	rs4795007	17	32903299	T	C	0.378728	0.0206954	0.0081799	0.0114051	0.314546	0.045965	7.75E-12	0.0657945	0.0277259	0.01764245	0.00979411	8	0.38453234
ENSG00000181291	17	TMEM132E	32907768	rs11651584	17	32895829	T	C	0.33996	0.0251995	0.00852131	0.00310406	-0.352502	0.0426047	1.30E-16	-0.0714875	0.0256715	0.00535767	0.4669633	11	0.30017552
ENSG00000132141	17	CCT6B	33254878	rs62064824	17	33293971	G	C	0.371769	-0.0080372	0.0082095	0.327573	-0.313671	0.0537698	5.42E-09	0.0256231	0.0265383	0.3342883	0.1460537	5	0.83095154
ENSG00000005156	17	LIG3	33307513	rs1634800	17	33383030	T	C	0.478131	-0.0038645	0.00812482	0.63433	-0.61183	0.0588375	2.51E-25	0.0063163	0.0132934	0.634684	0.2707916	20	0.92045152
ENSG00000166750	17	SLFN5	33570055	rs11080327	17	33571546	A	G	0.508946	-0.0054739	0.00809876	0.499109	0.570903	0.0680584	4.93E-17	-0.0095881	0.0142319	0.5004956	0.09956277	7	0.86872655
ENSG00000073605	17	GSDMB	38060848	rs35336365	17	38050715	G	A	0.0357853	0.00266664	0.0196427	0.892013	-0.544358	0.0835484	7.25E-11	-0.0048987	0.036092	0.8920364	0.6959898	9	0.98658093
ENSG00000008838	17	MED24	38175350	rs34933056	17	38162983	A	G	0.367793	-0.0210459	0.00857377	0.014101	-0.326578	0.0497801	5.37E-11	0.0644437	0.0280309	0.02150369	0.5689362	13	0.40478805
ENSG00000188895	17	MSL1	38278551	rs56304903	17	38346802	G	C	0.16998	-0.0139616	0.0110574	0.206715	-0.474681	0.067311	1.76E-12	0.0294126	0.0236648	0.213911	0.8128569	17	0.73693013
ENSG00000108349	17	CASC3	38296571	rs139014900	17	38275326	T	C	0.0318091	0.0357738	0.0241197	0.138027	-0.804589	0.130401	6.82E-10	-0.0444622	0.0308316	0.1492746	0.9848604	5	0.68107362
ENSG00000108352	17	RAPGEFL1	38333263	rs56304903	17	38346802	G	C	0.16998	-0.0139616	0.0110574	0.206715	-0.239834	0.0415741	7.98E-09	0.0582136	0.0471958	0.2174085	0.842388	7	0.74172335
ENSG00000141698	17	NT5C3B	39981335	rs9896980	17	39993222	A	G	0.727634	-0.0081293	0.00852572	0.340334	-0.370911	0.0372816	2.55E-23	0.0219172	0.0230912	0.3425412	0.246542	20	0.83501439
ENSG00000187595	17	ZNF385C	40177594	rs60110245	17	40189830	T	C	0.0934394	0.0281435	0.0149079	0.05905	-1.02155	0.136474	7.14E-14	-0.0275498	0.0150504	0.06717435	0.3902892	6	0.59477339
ENSG00000108785	17	HSD17B1P1	40698782	rs12949604	17	40644611	T	C	0.257455	0.0147329	0.0088238	0.0949839	-0.470614	0.0672737	2.64E-12	-0.0313057	0.0192762	0.1043632	0.4544367	20	0.65086925
ENSG00000108786	17	HSD17B1	40701232	rs610177	17	40705724	G	T	0.525845	0.00662779	0.00808005	0.412064	-0.349443	0.0520425	1.89E-11	-0.0189667	0.0232946	0.415523	0.4098331	7	0.86418667
ENSG00000037042	17	TUBG2	40811323	rs2089118	17	40795390	A	G	0.523857	0.00624508	0.00807871	0.439505	-0.251309	0.0346223	3.91E-13	-0.0248502	0.0323283	0.4420818	0.1622401	11	0.86418667
ENSG00000198496	17	NBR2	41277627	rs1842147	17	41435192	T	C	0.360835	0.0212762	0.00832321	0.0105808	-1.10387	0.0692436	3.25E-57	-0.0192742	0.00763635	0.01160256	0.7497296	20	0.3603961
ENSG00000267681	17	CTD-3199J23.6	41296973	rs34410138	17	41279770	G	A	0.367793	0.0194632	0.00830475	0.0190972	-0.775568	0.112235	4.84E-12	-0.0250954	0.011307	0.02645612	0.6378625	12	0.43469668
ENSG00000167941	17	SOST	41831099	rs12600549	17	41776686	C	T	0.39662	-0.0177212	0.00809385	0.0285634	-0.478623	0.0808531	3.23E-09	0.0370254	0.0180303	0.04002345	0.4996659	5	0.49481137
ENSG00000267496	17	FAM215A	41994576	rs437425	17	41984513	C	A	0.340954	-0.0084068	0.00842541	0.318379	-0.55742	0.0858911	8.59E-11	0.0150816	0.0152926	0.3240328	0.5774361	8	0.82228454
ENSG00000161653	17	NAGS	42081914	rs17611995	17	42102782	A	C	0.208748	-0.006042	0.0096043	0.52929	-0.499462	0.0807021	6.06E-10	0.0120969	0.0193284	0.5314041	0.4468645	4	0.88585906
ENSG00000267080	17	ASB16-AS1	42253341	rs7214540	17	42256604	G	A	0.297217	-0.0264597	0.00865247	0.00222777	-0.343074	0.0605888	1.49E-08	0.0771253	0.0286635	0.00712984	0.2598627	7	0.30017552
ENSG00000013306	17	SLC25A39	42396993	rs34365655	17	42398802	A	G	0.0854871	0.00275537	0.0135375	0.838716	-0.650261	0.0824421	3.08E-15	-0.0042373	0.0208255	0.838769	0.1240599	13	0.98062765
ENSG00000161692	17	DBF4B	42785976	rs79291341	17	42835362	G	C	0.146123	0.0252605	0.0116456	0.0300746	-0.841305	0.0762675	2.71E-28	-0.0300254	0.0141074	0.03330848	0.00255724	20	0.45862237
ENSG00000172992	17	DCAKD	43100708	rs8071429	17	43128906	A	T	0.583499	0.0158138	0.00818099	0.0532378	0.423389	0.0487107	3.56E-18	0.0373505	0.0197947	0.0591743	0.04303882	14	0.56431793
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.924376	0.0691618	9.63E-41	0.0209238	0.00951536	0.02788117	0.2570979	20	0.43604346
ENSG00000159314	17	ARHGAP27	43471275	rs111423688	17	43538523	A	G	0.193837	0.00215424	0.0181661	0.905604	0.373643	0.0683023	4.49E-08	0.0057655	0.0486303	0.9056256	0.4212266	15	0.98658093
ENSG00000225190	17	PLEKHM1	43513266	rs10445367	17	43932798	T	G	0.202783	-0.0094882	0.0160324	0.553976	0.491111	0.0600552	2.89E-16	-0.0193199	0.0327305	0.5550094	0.3476978	16	0.89001673
ENSG00000214425	17	LRRC37A4P	43578685	rs62063271	17	44036047	A	G	0.239563	-0.0054371	0.0148342	0.713973	-1.17408	0.0770707	2.11E-52	0.00463095	0.0126384	0.7140522	0.9978601	5	0.94509525
ENSG00000266918	17	RP11-798G7.8	43608943	rs2435207	17	44058928	A	G	0.323062	-4.74E-05	0.00823095	0.995403	-0.616122	0.102072	1.58E-09	7.70E-05	0.0133593	0.9954032	0.2027872	8	0.99798512
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.22448	0.0984162	1.55E-35	-0.0046685	0.0122317	0.7027023	0.7141689	10	0.94255443
ENSG00000263503	17	RP11-707O23.5	43678235	rs62056812	17	43987154	A	G	0.239563	-0.0044037	0.0148507	0.766821	1.25467	0.100558	9.96E-36	-0.0035099	0.0118397	0.7668866	0.9978698	5	0.9565588
ENSG00000204650	17	CRHR1-IT1	43697694	rs77692262	17	43917086	G	A	0.239563	-0.0057054	0.0148309	0.700459	0.615412	0.0543724	1.06E-29	-0.0092709	0.0241131	0.7006246	0.9952202	5	0.94255443
ENSG00000120071	17	KANSL1	44107282	rs11656151	17	44068492	G	A	0.200795	-0.0094741	0.00997157	0.342056	0.655712	0.0806908	4.43E-16	-0.0144486	0.0153108	0.3453317	0.4732232	20	0.83512753
ENSG00000214401	17	KANSL1-AS1	44270942	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.18047	0.0784201	3.29E-51	-0.0048426	0.0126858	0.7026601	0.9998051	9	0.94255443
ENSG00000262500	17	RP11-259G18.2	44320972	rs111511018	17	43794828	C	T	0.239563	-0.0056812	0.0148458	0.701956	1.16496	0.0964101	1.29E-33	-0.0048768	0.01275	0.7020978	0.9970907	5	0.94255443
ENSG00000262539	17	RP11-259G18.3	44336917	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.23195	0.0902348	1.94E-42	0.00325798	0.0117531	0.7816259	0.121	10	0.96013235
ENSG00000261575	17	RP11-259G18.1	44344403	rs113138968	17	44314261	T	C	0.239563	-0.0042891	0.0148357	0.772503	0.962555	0.105329	6.33E-20	-0.0044559	0.0154205	0.7726129	0.9981726	5	0.95815426
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.15313	0.105347	6.94E-28	-0.0063475	0.00726658	0.3823777	0.6700039	11	0.84640362
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.05913	0.0727574	5.27E-48	-0.00671	0.00772367	0.3849784	0.4901513	20	0.8470764
ENSG00000260075	17	NSFP1	44450221	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.18636	0.0953937	1.66E-35	-0.0061697	0.00705798	0.3820359	0.7481284	20	0.84640362
ENSG00000238083	17	LRRC37A2	44588877	rs56971664	17	43918613	C	T	0.239563	-0.0056992	0.0148309	0.700771	1.20094	0.0876175	9.27E-43	-0.0047456	0.0123543	0.7008837	0.9947077	5	0.94255443
ENSG00000185829	17	ARL17A	44594068	rs62062271	17	44091988	C	T	0.248509	0.00147921	0.0122648	0.904003	1.06661	0.0956176	6.77E-29	0.00138683	0.0114995	0.9040086	0.2819607	11	0.98658093
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-1.08256	0.065649	4.32E-61	0.00477876	0.00812993	0.5566678	0.4872998	20	0.89043924
ENSG00000262879	17	RP11-156P1.3	45061411	rs76048354	17	45180518	T	C	0.106362	0.0355339	0.0151706	0.0191664	1.55589	0.124362	6.50E-36	0.0228383	0.00991984	0.02131904	0.5226585	20	0.40333901
ENSG00000178852	17	EFCAB13	45400656	rs12600603	17	45390951	C	G	0.465209	0.00056256	0.00804783	0.944272	0.59818	0.07841	2.37E-14	0.00094045	0.0134544	0.9442739	0.2146234	20	0.99347767
ENSG00000141294	17	LRRC46	45908993	rs17774272	17	45910616	C	T	0.39165	-0.0061333	0.00814177	0.45126	-0.559319	0.0913968	9.38E-10	0.0109657	0.0146664	0.4546588	0.4018306	12	0.86418667
ENSG00000141295	17	SCRN2	45915058	rs11651698	17	45932303	T	A	0.158052	0.0263322	0.011822	0.0259209	-0.388193	0.0542476	8.31E-13	-0.0678328	0.0318951	0.03344121	0.09071905	14	0.45862237
ENSG00000264920	17	RP11-6N17.4	45968621	rs78997383	17	45968995	A	G	0.0407555	0.0277999	0.0292891	0.342543	1.0434	0.158281	4.34E-11	0.0266436	0.0283603	0.3474911	0.7704716	3	0.83656919
ENSG00000108439	17	PNPO	46018872	rs11545723	17	46035180	A	G	0.166998	0.00197377	0.011881	0.868056	0.466718	0.0705578	3.72E-11	0.00422904	0.0254645	0.8680972	0.386808	20	0.98554401
ENSG00000108465	17	CDK5RAP3	46045176	rs886444	17	46051911	A	G	0.380716	0.00800239	0.00822449	0.330555	0.27154	0.0471377	8.38E-09	0.0294704	0.0307173	0.3373543	0.3197669	8	0.83233161
ENSG00000170703	17	TTLL6	46839597	rs8081699	17	46976211	T	C	0.266402	-0.0214449	0.00911392	0.0186239	0.504796	0.0750382	1.73E-11	-0.0424823	0.0191272	0.02634822	0.04279361	19	0.43469668
ENSG00000248278	17	RP11-463M16.4	46952222	rs4793991	17	47001801	G	A	0.558648	0.034325	0.00807113	2.11E-05	0.609183	0.0923369	4.18E-11	0.056346	0.0157633	0.00035089	0.07160389	20	0.18777692
ENSG00000159199	17	ATP5G1	46970127	rs28635466	17	46983820	A	G	0.280318	-0.0268349	0.00902709	0.00295189	-0.236745	0.0384926	7.73E-10	0.113349	0.0423503	0.00744018	0.4867554	8	0.30202677
ENSG00000159210	17	SNF8	47006678	rs999475	17	46988044	A	G	0.266402	-0.0219376	0.00911226	0.0160628	-0.506909	0.0633031	1.17E-15	0.0432772	0.018771	0.02113647	0.04119592	19	0.40333901
ENSG00000204584	17	RP11-304F15.3	47923272	rs72839114	17	47859370	A	G	0.0516899	0.0302633	0.0211063	0.151614	1.04135	0.185091	1.84E-08	0.0290616	0.0209161	0.1646994	0.4042534	4	0.68549033
ENSG00000108823	17	SGCA	48241575	rs2586471	17	48241732	T	C	0.628231	0.00641523	0.00837456	0.443654	-0.624179	0.0680724	4.76E-20	-0.0102779	0.0134637	0.4452377	0.8320079	16	0.86418667
ENSG00000154920	17	EME1	48450581	rs3760413	17	48452776	C	A	0.877734	0.00686818	0.0110154	0.532951	-1.22924	0.151221	4.34E-16	-0.0055873	0.00898747	0.5341517	0.5358248	4	0.88585906
ENSG00000136457	17	CHAD	48541857	rs2898945	17	48553916	G	C	0.577535	0.0125614	0.00807607	0.119853	0.655002	0.0639166	1.21E-24	0.0191777	0.0124711	0.124104	0.9074462	20	0.66377689
ENSG00000136444	17	RSAD1	48556161	rs2412325	17	48546232	C	G	0.253479	0.0115502	0.00978916	0.23804	-0.27853	0.0503299	3.13E-08	-0.0414684	0.0359357	0.2485162	0.8992136	7	0.76274604
ENSG00000250286	17	RP11-94C24.8	48614655	rs2306002	17	48617829	A	G	0.5666	0.0109176	0.00806352	0.175753	-0.595651	0.0784497	3.13E-14	-0.0183289	0.0137509	0.182557	0.3100815	11	0.69774631
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.80578	0.0608933	5.68E-40	-0.0172841	0.0107156	0.1067466	0.3871007	20	0.65086925
ENSG00000154945	17	ANKRD40	48770551	rs11650099	17	48779162	G	A	0.323062	-0.0173053	0.008971	0.0537267	-0.260212	0.0452226	8.71E-09	0.0665046	0.0363615	0.06740227	0.522922	5	0.59477339
ENSG00000229980	17	TOB1-AS1	48944040	rs12949115	17	48944345	A	C	0.259443	-0.001499	0.00888953	0.866088	0.610513	0.0706415	5.50E-18	-0.0024554	0.0145635	0.8661131	0.0099938	14	0.98554401
ENSG00000262006	17	RP11-700H6.4	48986998	rs12949115	17	48944345	A	C	0.259443	-0.001499	0.00888953	0.866088	0.529285	0.0902358	4.48E-09	-0.0028322	0.0168023	0.8661426	0.02940331	8	0.98554401
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.392886	0.0331275	1.91E-32	-0.0309993	0.021327	0.146079	0.5399694	20	0.68107362
ENSG00000243678	17	NME1-NME2	49230920	rs6416962	17	49299922	C	T	0.529821	0.0126402	0.00805897	0.116774	0.335848	0.0412332	3.79E-16	0.0376367	0.0244367	0.1235195	0.5393122	20	0.66369299
ENSG00000011260	17	UTP18	49337889	rs175385	17	49391159	T	G	0.479125	0.0150951	0.00805942	0.0610717	0.462886	0.0555153	7.56E-17	0.0326108	0.0178451	0.06763399	0.246258	18	0.59477339
ENSG00000166260	17	COX11	53029263	rs17745279	17	53042743	G	T	0.269384	0.00552494	0.00901827	0.540116	-0.537623	0.0550257	1.51E-22	-0.0102766	0.0168073	0.5409098	0.2467964	20	0.88612583
ENSG00000108960	17	MMD	53469974	rs4570925	17	53471191	A	T	0.38668	0.00460317	0.00832808	0.580449	-0.241919	0.0438978	3.57E-08	-0.0190277	0.0345978	0.5823402	0.7422207	3	0.89957103
ENSG00000214226	17	C17orf67	54869274	rs7209070	17	54946194	C	T	0.710736	-0.0038227	0.00861228	0.657136	0.50544	0.0798756	2.49E-10	-0.0075632	0.017081	0.6579228	0.1126006	3	0.92831679
ENSG00000213246	17	SUPT4H1	56422539	rs10515157	17	56433448	A	G	0.154076	0.00563394	0.00996043	0.571644	-0.367863	0.0556563	3.85E-11	-0.0153153	0.0271754	0.5730453	0.4294337	8	0.89834695
ENSG00000108384	17	RAD51C	56769934	rs12600349	17	57054245	T	C	0.180915	0.0042417	0.00923447	0.645995	-0.818699	0.0600258	2.34E-42	-0.005181	0.0112858	0.6461817	0.1839099	20	0.92308109
ENSG00000267280	17	RP11-332H18.4	59470817	rs887258	17	59479580	G	C	0.799205	0.00854206	0.0106656	0.42319	-0.423709	0.0609563	3.63E-12	-0.0201602	0.0253385	0.4262446	0.5152477	7	0.86418667
ENSG00000136492	17	BRIP1	59758627	rs10515211	17	59877950	G	A	0.230616	0.0180493	0.0104582	0.0843743	-0.50316	0.082342	9.93E-10	-0.0358719	0.0215981	0.09673785	0.3737815	3	0.65086925
ENSG00000173838	17	10-Mar	60778675	rs2286566	17	60827839	G	A	0.535785	-0.0093255	0.00813669	0.25175	0.496165	0.0846437	4.58E-09	-0.0187952	0.0167097	0.260669	0.2687047	10	0.77558862
ENSG00000008283	17	CYB561	61509665	rs4968644	17	61468052	C	G	0.488072	-0.0205599	0.00811402	0.0112808	-0.712781	0.0421436	3.60E-64	0.0288446	0.0115107	0.01221378	0.4284753	20	0.3603961
ENSG00000198909	17	MAP3K3	61699775	rs11657306	17	61704822	A	G	0.26839	-0.0035399	0.00959265	0.712115	0.348276	0.0618432	1.79E-08	-0.010164	0.0276023	0.712703	0.7287275	10	0.94509525
ENSG00000198231	17	DDX42	61850963	rs7209758	17	61913621	T	C	0.269384	-0.0012983	0.00956969	0.892087	-0.53326	0.0624608	1.37E-17	0.00243457	0.0179479	0.8921006	0.7078669	18	0.98658093
ENSG00000108592	17	FTSJ3	61896793	rs2584616	17	61927473	C	T	0.59841	-0.005234	0.00841965	0.534177	0.813057	0.0567587	1.53E-46	-0.0064375	0.0103653	0.5345609	0.5146419	20	0.88585906
ENSG00000087191	17	PSMC5	61904512	rs721575	17	61782920	T	C	0.539761	-0.0042927	0.00812039	0.597063	0.291632	0.0494316	3.64E-09	-0.0147195	0.0279562	0.5985267	0.7867653	18	0.90385749
ENSG00000176809	17	LRRC37A3	62850430	rs41410147	17	62962184	T	C	0.084493	-0.0205939	0.0172927	0.233694	1.35281	0.141083	8.91E-22	-0.0152231	0.012881	0.2372766	0.7211163	5	0.75264543
ENSG00000154229	17	PRKCA	64298754	rs4791035	17	64807228	G	C	0.513917	0.0119762	0.00812855	0.140657	-0.236235	0.0352089	1.95E-11	-0.0506961	0.0352286	0.1501327	0.8379948	11	0.68107362
ENSG00000267731	17	RP11-147L13.8	66186025	rs17144048	17	66140668	C	T	0.180915	0.0132566	0.00993137	0.181935	0.547756	0.0916775	2.30E-09	0.0242017	0.018578	0.1926748	0.0205588	4	0.70899784

ENSG00000196704	17	AMZ2	66243715	rs2362731	17	66218923	T	C	0.321074	0.00800529	0.00910102	0.379074	-0.434691	0.0737225	3.72E-09	-0.018416	0.0211684	0.3843132	0.1563883	8	0.84684544
ENSG00000237560	17	AC004562.1	67957848	rs11077469	17	67937331	A	G	0.33996	-0.0122161	0.00860728	0.15582	0.533251	0.0837779	1.95E-10	-0.0229087	0.0165375	0.1659743	0.1176325	5	0.68549033
ENSG00000256124	17	RP11-84E24.3	70026432	rs759494	17	70036114	C	G	0.358847	-0.001325	0.00939664	0.887865	-0.341072	0.0516332	3.96E-11	0.00388475	0.0275566	0.8878908	0.3742238	10	0.98658093
ENSG00000172794	17	RAB37	72666717	rs2280177	17	72667520	T	G	0.109344	0.0160938	0.0117976	0.172517	-0.455016	0.0635274	7.92E-13	-0.0353697	0.0263939	0.1802225	0.372667	4	0.69774631
ENSG00000161513	17	FDXR	72858619	rs492095	17	72869078	A	G	0.724652	-0.0038639	0.0096991	0.690354	0.44684	0.0610874	2.58E-13	-0.0086471	0.0217381	0.690789	0.1764619	16	0.93927245
ENSG00000125450	17	NUP85	73201754	rs4238979	17	73197687	A	C	0.757455	0.0162207	0.011119	0.144612	-0.62462	0.0603523	4.20E-25	-0.0259689	0.0179772	0.1485851	0.6056278	16	0.68107362
ENSG00000125445	17	MRPS7	73257755	rs11657106	17	73204137	T	C	0.760437	0.0169323	0.0110963	0.127025	0.257875	0.0454672	1.41E-08	0.0656609	0.0445599	0.1406052	0.252213	6	0.67926006
ENSG00000266714	17	MYO15B	73584139	rs736522	17	73588058	T	G	0.329026	0.00031218	0.00908623	0.972592	-0.247091	0.0385615	1.48E-10	-0.0012634	0.0367733	0.9725929	0.6284039	3	0.99490251
ENSG00000132481	17	TRIM47	73870242	rs116044941	17	73874684	C	G	0.161034	0.0242811	0.0141952	0.0871726	-0.350045	0.0539676	8.80E-11	-0.0693657	0.0419389	0.098134	0.5644264	10	0.65086925
ENSG00000141569	17	TRIM65	73876416	rs3744015	17	73900688	C	T	0.350895	0.00910649	0.00941675	0.333518	0.544163	0.0536173	3.35E-24	0.0167349	0.0173834	0.3357021	0.8190572	20	0.83170639
ENSG00000188878	17	FBF1	73905655	rs11077798	17	73953404	C	T	0.762425	-0.0138778	0.0105666	0.189061	-0.619634	0.0639677	3.44E-22	0.0223968	0.017209	0.1931022	0.8930012	20	0.70945692
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.687586	0.0658109	1.50E-25	0.016133	0.0156508	0.3026325	0.3619832	16	0.81033692
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.436762	0.0519462	4.17E-17	0.0253978	0.024704	0.3039096	0.8334881	13	0.81037998
ENSG00000161542	17	PRPSAP1	74305567	rs379503	17	74308358	C	A	0.300199	0.0154591	0.00923222	0.0940373	-0.754642	0.0705755	1.10E-26	-0.0204853	0.012383	0.09806439	0.7183408	19	0.65086925
ENSG00000267543	17	RP11-666A8.7	74546033	rs4648342	17	74545299	A	G	0.230616	-0.0181321	0.00944732	0.0549478	0.569318	0.0906994	3.45E-10	-0.0318488	0.0173525	0.06644595	0.7085913	4	0.59477339
ENSG00000163597	17	SNHG16	74553848	rs8066453	17	74558446	G	A	0.377734	-0.0002314	0.00821556	0.977531	-0.438322	0.0659429	2.99E-11	0.00052788	0.0187434	0.9775316	0.09101785	7	0.99550269
ENSG00000182534	17	MXRA7	74668633	rs7223751	17	74682885	G	A	0.807157	0.00479533	0.0101764	0.637482	-1.14516	0.0876352	5.06E-39	-0.0041875	0.00889222	0.6377017	0.3587027	20	0.9223284
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086057	17	74819228	G	A	0.0864811	-0.007793	0.0145054	0.591099	1.54006	0.213544	5.52E-13	-0.0050602	0.00944482	0.5921233	0.06051122	6	0.90174025
ENSG00000234912	17	LINC00338	75082798	rs11868249	17	75085322	G	A	0.148111	-0.0032294	0.0140318	0.817979	-0.836774	0.122054	7.09E-12	0.00385929	0.0167784	0.8180797	0.887792	5	0.97255683
ENSG00000087157	17	PGS1	76374721	rs12150161	17	76423599	A	G	0.170974	0.00893829	0.010526	0.39579	0.462821	0.0700157	3.84E-11	0.0193126	0.02293	0.3996525	0.9164865	13	0.85364306
ENSG00000267432	17	RP11-559N14.5	76480964	rs894976	17	76485661	G	A	0.286282	0.00484118	0.00848023	0.568082	0.581029	0.0707207	2.11E-16	0.00833208	0.0146304	0.5690133	0.8967185	8	0.89834695
ENSG00000055483	17	USP36	76783463	rs3826552	17	76793885	A	G	0.536779	0.0176969	0.00829403	0.0328678	0.541512	0.0548925	5.91E-23	0.0326805	0.0156706	0.0370268	0.2674225	20	0.4779761
ENSG00000167280	17	ENGASE	77071021	rs61756761	17	77079576	G	A	0.0576541	0.0255944	0.0188641	0.174853	-0.907142	0.0973925	1.23E-20	-0.0282143	0.0210146	0.1793987	0.3804912	9	0.69774631
ENSG00000141519	17	CCDC40	78010435	rs3764440	17	78011691	G	A	0.219682	0.0137119	0.00890707	0.123697	1.12073	0.0778345	5.26E-47	0.0122348	0.00799285	0.1258395	0.01565193	20	0.66459844
ENSG00000171298	17	GAA	78075355	rs2304850	17	78075228	T	C	0.250497	-0.0111394	0.010043	0.267354	-0.67823	0.0599284	1.08E-29	0.0164242	0.0148786	0.2696445	0.3277588	20	0.78302173
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.632752	0.0595392	2.22E-26	0.0167555	0.0134278	0.212095	0.4718523	20	0.73429563
ENSG00000181523	17	SGSH	78180515	rs8078181	17	78181427	T	C	0.055666	0.00211236	0.0155436	0.891902	0.610259	0.105878	8.23E-09	0.00346142	0.0254776	0.891931	0.6977596	5	0.98658093
ENSG00000261924	17	CTD-2561B21.5	78940039	rs9899212	17	78943114	C	T	0.756461	0.00781825	0.00926145	0.398573	-0.850927	0.0954264	4.79E-19	-0.0091879	0.0109326	0.4006765	0.00915822	20	0.85364306
ENSG00000262873	17	CTD-2561B21.11	78991769	rs62075433	17	78999215	A	G	0.240557	0.019777	0.0102475	0.0536142	0.82616	0.0905019	6.94E-20	0.0239385	0.0126779	0.05899942	0.3443026	15	0.56431793
ENSG00000157637	17	SLC38A10	79218800	rs7214675	17	79273446	T	C	0.121272	0.00950238	0.0112874	0.399867	0.535974	0.071986	9.66E-14	0.0177292	0.0211938	0.4028585	0.6031367	6	0.85364306
ENSG00000263154	17	RP11-1055B8.2	79336072	rs11150782	17	79351754	G	A	0.365805	0.00469039	0.00841827	0.577412	0.536796	0.0817823	5.25E-11	0.00873775	0.0157388	0.5787775	0.6723518	6	0.89834695
ENSG00000262223	17	RP11-1055B8.3	79349801	rs11652734	17	79356840	C	G	0.37674	0.00508445	0.0083595	0.543039	0.237613	0.0376768	2.85E-10	0.021398	0.0353444	0.5449032	0.02917264	13	0.8868228
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	1.05292	0.0888065	2.00E-32	-0.0090784	0.0119052	0.4457288	0.7208079	11	0.86418667
ENSG00000182446	17	NPLOC4	79523913	rs12449763	17	79527953	T	A	0.230616	-0.0209352	0.0104933	0.0460331	-0.300822	0.0514376	4.97E-09	0.0695933	0.036856	0.0589925	0.4264879	4	0.56431793
ENSG00000182612	17	TSPAN10	79604197	rs112364254	17	79578287	A	G	0.356859	0.020133	0.00827354	0.0149572	-0.498176	0.0814696	9.66E-10	-0.0404134	0.0178744	0.02376126	0.4492854	15	0.42385562
ENSG00000185298	17	CCDC137	79633394	rs7503139	17	79641534	T	C	0.191849	-0.0108572	0.0110913	0.327633	0.534297	0.0727799	2.12E-13	-0.0203205	0.0209424	0.3318943	0.1511147	12	0.82926226
ENSG00000214087	17	ARL16	79648204	rs62077189	17	79673088	A	G	0.199801	-0.0104343	0.0105903	0.324488	-0.727179	0.0738718	7.29E-23	0.014349	0.0146363	0.326903	0.2371393	14	0.82463208
ENSG00000185105	17	MYADML2	79897521	rs4796852	17	79899698	A	G	0.590457	0.00774707	0.00839107	0.355875	-0.580423	0.0463275	5.20E-36	-0.0133473	0.014496	0.3571783	0.8935385	20	0.840274
ENSG00000235296	17	AC137723.5	79899745	rs28758308	17	79901248	G	A	0.589463	0.00777838	0.00839205	0.353991	-0.436907	0.0639391	8.31E-12	-0.0178033	0.0193838	0.3583761	0.725946	14	0.840274
ENSG00000169689	17	STRA13	79976578	rs3934983	17	79980756	A	C	0.55666	-0.0044455	0.00834142	0.594077	0.692997	0.0533756	1.52E-38	-0.0064148	0.0120469	0.5943878	0.07608806	20	0.90254426
ENSG00000169738	17	DCXR	79993012	rs72861763	17	79997489	T	C	0.0984095	0.0339597	0.0113368	0.00273981	0.299186	0.0444445	1.68E-11	0.113507	0.0414744	0.00620412	0.9704034	16	0.30017552
ENSG00000176155	17	CCDC57	80059336	rs7207947	17	80145291	T	A	0.477137	-0.0108751	0.00811592	0.180253	-0.315089	0.0382689	1.82E-16	0.0345144	0.0260964	0.1859781	0.5422644	20	0.70253861
ENSG00000181396	17	OGFOD3	80347099	rs4789769	17	80373452	T	C	0.251491	-0.0003183	0.0101285	0.974928	-0.612456	0.0678266	1.72E-19	0.00051976	0.0165376	0.9749277	0.00190655	13	0.99550269
ENSG00000169660	17	HEXDC	80376194	rs1141463	17	80377690	G	T	0.333002	-0.002796	0.00931834	0.764135	0.471259	0.0578347	3.69E-16	-0.0059331	0.0197867	0.7642898	0.0091598	17	0.95561735
ENSG00000178927	17	C17orf62	80400465	rs9303029	17	80408815	T	C	0.127237	-0.0239175	0.0107878	0.0266171	-0.386375	0.0583868	3.65E-11	0.0619023	0.0294459	0.03553232	0.1683851	4	0.47033241
ENSG00000141562	17	NARF	80416056	rs7221018	17	80456621	C	A	0.38668	-0.0151386	0.00847401	0.0740219	-0.336249	0.0491333	7.72E-12	0.045022	0.0260461	0.08388966	0.2982031	13	0.63159614
ENSG00000141580	17	WDR45B	80572438	rs8082615	17	80580231	G	C	0.249503	-0.0040987	0.00943044	0.663835	-0.322208	0.0524844	8.30E-10	0.0127207	0.0293414	0.664623	0.9413087	9	0.93176563
ENSG00000263063	17	RP11-388C12.1	80671784	rs113399146	17	80672613	T	C	0.244533	-0.0131382	0.0101057	0.193574	0.61273	0.111744	4.17E-08	-0.0214421	0.0169501	0.2058684	0.1370466	10	0.72835256
ENSG00000141560	17	FN3KRP	80674559	rs2280251	17	80675105	C	G	0.407555	0.0021975	0.00848267	0.795591	-0.782369	0.063463	6.41E-35	-0.0028088	0.0108447	0.7956349	0.490606	20	0.965513
ENSG00000175711	17	B3GNTL1	80900031	rs11868819	17	81012461	C	T	0.243539	-0.0016411	0.00852152	0.847285	-0.595063	0.0634897	7.08E-21	0.00275786	0.0143234	0.8473174	0.8580812	12	0.98207023
ENSG00000263006	18	ROCK1P1	109065	rs112342209	18	112689	G	T	0.306163	0.0020596	0.00836699	0.80556	0.995596	0.0837914	1.47E-32	0.00206871	0.0084058	0.8056009	0.3874931	20	0.96661161
ENSG00000079101	18	CLUL1	596988	rs2015412	18	590969	T	C	0.298211	-0.0001075	0.00844302	0.989842	0.659591	0.0851922	9.76E-15	-0.000163	0.0128004	0.9898418	0.8615381	11	0.99595203
ENSG00000266456	18	RP11-806L2.2	650229	rs9635817	18	582389	T	A	0.32505	-0.0001937	0.00862896	0.982087	0.466789	0.0847195	3.59E-08	-0.000415	0.0184859	0.9820875	0.6142794	6	0.99550269
ENSG00000101574	18	METTL4	2537524	rs1517610	18	2521466	C	A	0.661034	-0.0125884	0.0084514	0.136353	0.342068	0.0610975	2.16E-08	-0.0368009	0.0255662	0.1500275	0.5073098	6	0.68107362
ENSG00000177337	18	DLGAP1-AS1	3593730	rs2240898	18	3595284	A	G	0.599404	-0.0083314	0.00860129	0.332736	-0.278547	0.0438423	2.11E-10	0.0299101	0.0312359	0.3382881	0.7049887	3	0.83315399
ENSG00000266513	18	RP11-874J12.3	3770017	rs4798127	18	3770469	T	G	0.529821	0.00395012	0.00825469	0.632274	-0.547011	0.075025	3.08E-13	-0.0072213	0.015123	0.633004	0.5154787	15	0.91979557
ENSG00000263724	18	DLGAP1-AS3	3878180	rs7237860	18	3876463	C	T	0.156064	0.0104988	0.0106337	0.323492	-0.711968	0.105133	1.27E-11	-0.0147462	0.0150935	0.3285763	0.8122914	7	0.82688837
ENSG00000263878	18	DLGAP1-AS4	3962353	rs9959292	18	3996313	C	T	0.126243	0.00932852	0.0119511	0.435063	-0.363135	0.0597448	1.22E-09	-0.0256888	0.0331812	0.4388128	0.9775367	7	0.86418667
ENSG00000263753	18	LINC00667	5232875	rs9948693	18	5247432	T	C	0.387674	0.00299857	0.00830116	0.717933	0.617766	0.0668867	2.56E-20	0.00485389	0.0134477	0.718139	0.7168149	20	0.94509525
ENSG00000261738	18	RP11-945C19.1	5748818	rs9963191	18	5724014	C	T	0.238569	0.0266963	0.0103103	0.00961723	-1.00731	0.0801536	3.20E-36	-0.0265026	0.0104505	0.01121214	0.8677373	20	0.3603961
ENSG00000266441	18	RP11-91I8.3	6728820	rs11081256	18	6713257	C	T	0.510934	-0.0027312	0.00810291	0.736073	0.630106	0.0988535	1.84E-10	-0.0043344	0.0128776	0.7364278	0.2886083	7	0.94997803
ENSG00000088756	18	ARHGAP28	6729717	rs12605298	18	6719503	T	A	0.483101	-0.0006147	0.00805904	0.939201	0.468058	0.0762035	8.14E-10	-0.0013133	0.0172194	0.9392057	0.4134556	4	0.99347767
ENSG00000263797	18	RP11-146G7.2	6873398	rs16950727	18	6881677	C	T	0.316103	0.0076466	0.00928736	0.410317	0.708521	0.102948	5.89E-12	0.0107923	0.0132016	0.4136399	0.4228013	11	0.86418667
ENSG00000154845	18	PPP4R1	9546789	rs4438368	18	9556340	G	A	0.28827	-0.0104644	0.00827844	0.206209	-0.269608	0.0466351	7.42E-09	0.0388134	0.0314309	0.2168747	0.4457643	6	0.74057669
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-1.02497	0.0965786	2.60E-26	0.00428185	0.0103722	0.6797371	0.3571265	18	0.93372697
ENSG00000134265	18	NAPG	10525902	rs6505560	18	10484509	G	A	0.45825	-0.0029205	0.00827302	0.724077	-0.195251	0.0263523	1.27E-13	0.0149577	0.0424193	0.7243771	0.5894178	20	0.94540164
ENSG00000154889	18	MPPE1	11882621	rs8097892	18	11905953	T	C	0.445328	-0.0233072	0.00836189	0.00531472	-0.69561	0.0690989	7.74E-24	0.0335061	0.0124732	0.00722597	0.1953877	3	0.30076105
ENSG00000267079	18	RP11-820I16.1	11910633	rs694635	18	11947651	A	T	0.337972	-0.0018057	0.00836457	0.829082	0.900332	0.0868768	3.64E-25	-0.0020056	0.00929256	0.829119	0.7127233	20	0.97669175
ENSG00000141391	18	SLMO1	12407895	rs34620743	18	12438519	G	C	0.151093	0.0217604	0.0134055	0.104537	0.519965	0.0802686	9.31E-11	0.0418497	0.0265787	0.1153578	0.5225585	5	0.66176159
ENSG00000267108	18	RP11-861E21.1	12432896	rs34448712	18	12439062	C	A	0.152087	0.0218674	0.0134036	0.102795	1.18932	0.140306	2.32E-17	0.0183865	0.0114768	0.1091435	0.6459528	18	0.65086925
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.88463	0.0822301	5.43E-27	0.00261565	0.00933609	0.7793507	0.3451193	20	0.95939787
ENSG00000267336	18	RP11-773H22.2	12912843	rs4797717	18	12911423	C	T	0.698807	-0.0087416	0.00825784	0.289792	-0.968396	0.10233	2.98E-21	0.00902684	0.00858052	0.2927923	0.178178	12	0.80043284
ENSG00000101639	18	CEP192	12991361	rs576963	18	13145264	A	G	0.616302	-0.0040504	0.00820471	0.621544	-1.01465	0.0662026	5.09E-53	0.00399188	0.00809044	0.6217251	0.8120772	20	0.91443861
ENSG00000175322	18	ZNF519	14057456	rs9958799	18	14132402	C	G	0.229622	0.00025724	0.00989117	0.979252	0.429865	0.0472446	9.14E-20	0.00059841	0.02301	0.9792522	0.03595207	18	0.99550269
ENSG00000180777	18	ANKRD30B	14728271	rs7239557	18	14892596	A	G	0.213718	-0.0048998	0.0100562	0.626087	-0.458264	0.0833466	3.83E-08	0.0106921	0.0220301	0.6274361	0.4407507	7	0.91632578
ENSG00000265015	18	RP11-454P7.3	15196998	rs10460005	18	15152632	G	A	0.88668	0.00635046	0.0117867	0.590038	-0.781011	0.137461	1.33E-08	-0.0081311	0.0151593	0.591699	0.08390703	9	0.90174025
ENSG00000134490	18	TMEM241	20777108	rs11662482	18	20969338	G	C	0.151093	0.020069	0.0125102	0.108668	-0.337297	0.0497391	1.19E-11	-0.0594995	0.0381132	0.1184946	0.6313679	20	0.66369299
ENSG00000141452	18	C18orf8	21083473	rs7239575	18	21120035	C	T	0.459245	-0.0083956	0.00806558	0.297915	0.30414	0.0503336	1.52E-09	-0.0276043	0.0269099	0.3049834	0.04327562	10	0.81037998
ENSG00000141458	18	NPC1	21086148	rs1429934	18	21162288	T	C	0.654076	0.00868633	0.00847954	0.305652	0.232229	0.038691	1.95E-09	0.0374042	0.0370417	0.3125979	0.02786985	14	0.81435501
ENSG00000154040	18	CABYR	21718942	rs10775505	18	21743491	T	C	0.610338	-0.005964	0.008099	0.461492	0.402664	0.0568778	1.45E-12	-0.0148115	0.0202221	0.4638998	0.02647252	20	0.86418667
ENSG00000266489	18	RP11-178F10.3	22096847	rs1791270	18	22123778	T	C	0.392644	0.0201557	0.00851826	0.0179726	1.25296	0.0707511	3.55E-70	0.0160865	0.00685892	0.01901004	0.4800806	14	0.39343431
ENSG00000260372	18	AQP4-AS1	24235706	rs232319	18	24500151	C	T	0.527833	0.0009231	0.00811545	0.909439	-0.92313	0.0670216	3.67E-43	-0.001	0.00879153	0.9094424	0.238589	20	0.98775623
ENSG00000134765	18	DSC1	28709199	rs9955430	18	28743678	G	A	0.687873	-0.0035964	0.00920643	0.696067	0.689396	0.0961485	7.49E-13	-0.0052167	0.0133741	0.6964934	0.1109862	8	0.94123561
ENSG00000141425	18	RPRD1A	33564350	rs1786224	18	33536145	T	C	0.247515	-0.0069449	0.00881389	0.43073	0.180941	0.0329198	3.88E-08	-0.0383818	0.0492094	0.4354085	0.3897707	5	0.86418667
ENSG00000134779	18	TPGS2	34359987	rs2654543	18	34692374	G	A	0.351889	0.00873016	0.00855805	0.307676	0.242905	0.0366879	3.57E-11	0.0359406	0.0356478	0.3133518	0.9890478	18	0.81435501
ENSG00000267707	18	RP11-95O2.5	34823739	rs72883540	18	34350921	G	A	0.0616302	0.0101015	0.0124215	0.416086	-0.750373	0.128618	5.41E-09	-0.013462	0.0167138	0.4205659	0.8698989	5	0.86418667
ENSG00000078142	18	PIK3C3	39535171	rs514227	18	39690481	C	T	0.343936	-0.0038153	0.00826818	0.644481	-0.314807	0.0549467	1.01E-08	0.0121195	0.0263493	0.6455499	0.925114	12	0.92308109
ENSG00000152223	18	EPG5	43427574	rs3744998	18	43497710	G	A	0.549702	0.00975022	0.00806985	0.226959	-0.623578	0.0583923	1.27E-26	-0.0156359	0.0130238	0.2299186	0.373528	17	0.74543747
ENSG00000270112	18	RP11-742D12.2	44336450	rs7229343	18	44333408	G	C	0.480119	-0.0160448	0.00808069	0.0470804	0.493858	0.0470799	9.62E-26	-0.0324887	0.0166529	0.05106533	0.3645701	20	0.54968599
ENSG00000101751	18	POLI	51795774	rs681619	18	51841421	C	T	0.0685885	0.00537219	0.0159679	0.736541	0.879559	0.111687	3.40E-15	0.00610782	0.018171	0.7367726	0.1781978	20	0.94997803
ENSG00000174448	18	STARD6	51850728	rs1657880	18	51866974	T	C	0.101392	-0.0065882	0.0121123	0.586495	-0.923057	0.158212	5.40E-09	0.00713735	0.0131788	0.5881104	0.846947	19	0.90020885
ENSG00000197563	18	PIGN	59710800	rs9319996	18	59773510	A	T	0.631213	-0.008181	0.00850915	0.336332	-0.467433	0.0569415	2.23E-16	0.017502	0.0183284	0.3396221	0.08026539	20	0.83407955
ENSG00000134444	18	KIAA1468	59854491	rs9958695	18	59858801	G	A	0.353877	-0.0311287	0.00835415	0.00019443	-0.218568	0.0390504	2.18E-08	0.142421	0.0459175	0.0019243	0.0290049	6	0.21506107
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.774381	0.0854553	1.28E-19	-0.0067468	0.0158879	0.6710944	0.8859613	6	0.93280877
ENSG00000263958	18	RP11-676J15.1	70535623	rs72970538	18	70551658	C	T	0.0904573	0.0240861	0.0149261	0.106596	1.14887	0.14251	7.53E-16	0.020965	0.0132497	0.1135806	0.6865713	7	0.65777444
ENSG00000133313	18	CNDP2	72163051	rs7241558	18	72169267	T	A	0.210736	0.00321645	0.0104621	0.758511	0.499101	0.0549218	1.01E-19	0.00644449	0.0209739	0.7586436	0.9007254	20	0.95429111
ENSG00000264247	18	LINC00909	72259010	rs66971807	18	72254599	A	G	0.0785288	-0.009751	0.017766	0.583104	0.510067	0.0863015	3.41E-09	-0.0191171	0.0349806	0.5847186	0.9302522	4	0.8998997
ENSG00000180011	18	ZADH2	72907063	rs12969004	18	72920065	A	G	0.481113	0.0052583	0.00811622	0.517066	-0.304606	0.0507258	1.91E-09	-0.0172626	0.0267996	0.5194864	0.6920164	9	0.88142667
ENSG00000166377	18	ATP9B	76829285	rs59132561	18	77090526	G	C	0.289264	-0.0013565	0.00871074	0.876248	0.379035	0.0633569	2.20E-09	-0.0035788	0.0229891	0.8762895	0.6135713	14	0.98658093
ENSG00000141759	18	TXNL4A	77732867	rs57171122	18	77830707	T	C	0.50497	0.00136507	0.00809069	0.866017	-0.205258	0.0331677	6.07E-10	-0.0066505	0.0394318	0.8660653	0.3720425	20	0.98554401
ENSG00000267127	18	RP11-795F19.5	77794346	rs72976317	18	77848209	T	C	0.861829	0.00662401	0.0131125	0.613441	-1.17452	0.154025	2.43E-14	-0.0056398	0.0111886	0.6142173	0.1704847	14	0.90997983
ENSG00000101546	18	RBFA	77794358	rs34540415	18	77824603	A	G	0.548708	0.00805489	0.00848414	0.342414	0.393167	0.0618473	2.06E-10	0.0204872	0.0218183	0.3477351	0.7076567	15	0.83661894
ENSG00000261126	18	RBFADN	77806900	rs473119	18	77849459	T	G	0.143141	-0.0060147	0.0129395	0.642052	0.892174	0.0932066	1.05E-21	-0.0067416	0.0145204	0.6424433	0.8703057	20	0.92308109
ENSG00000267251	18	AC139100.3	77941563	rs3744878	18	77895192	A	G	0.16004	-0.0053728	0.00992775	0.588373	0.630933	0.0892781	1.58E-12	-0.0085157	0.0157811	0.5894631	0.4795967	20	0.90020885
ENSG00000105549	19	THEG	361750	rs12151294	19	384724	A	G	0.327038	0.00687263	0.00863394	0.426031	0.495248	0.0840585	3.82E-09	0.0138771	0.017592	0.4302086	0.5086349	15	0.86418667
ENSG00000129946	19	SHC2	416583	rs73489663	19	457732	G	A	0.153082	-0.0090664	0.0123062	0.461285	-0.522418	0.0832057	3.42E-10	0.0173546	0.0237178	0.4643455	0.9872659	3	0.86418667
ENSG00000099866	19	MADCAM1	489176	rs3999751	19	488476	C	G	0.440358	-0.0036035	0.00820386	0.66049	-0.647908	0.074933	5.31E-18	0.00556167	0.0126784	0.6608987	0.1834995	11	0.93037449
ENSG00000266933	19	AC005775.2	490046	rs10415416	19	490081	T	C	0.412525	-0.0022322	0.0082156	0.785851	-0.860105	0.0850607	4.90E-24	0.00259525	0.0095553	0.785927	0.1949555	11	0.96301985
ENSG00000267751	19	AC009005.2	567212	rs12608452	19	563639	C	T	0.162028	-0.0025021	0.00960194	0.794415	-0.979866	0.133727	2.35E-13	0.0025535	0.00980543	0.7945421	0.3837353	9	0.9654086
ENSG00000267666	19	AC004156.3	663482	rs7255896	19	663956	C	A	0.234592	0.0182358	0.00997944	0.0676488	-0.668517	0.100749	3.23E-11	-0.027278	0.0154834	0.07811108	0.6323078	3	0.61730824
ENSG00000197766	19	CFD	859453	rs8100258	19	871222	A	G	0.250497	-0.0295884	0.00949151	0.00182482	-0.523196	0.0923414	1.46E-08	0.0565532	0.020706	0.00630949	0.5230066	9	0.30017552
ENSG00000065268	19	WDR18	983174	rs2240149	19	990819	A	G	0.59841	-0.0056639	0.00817986	0.488673	-0.671971	0.057172	6.78E-32	0.00842882	0.012194	0.4894247	0.1443141	20	0.86806745
ENSG00000116032	19	GRIN3B	1000418	rs117246624	19	1012002	G	A	0.166004	0.016151	0.0107691	0.133678	-0.595371	0.0929081	1.47E-10	-0.0271276	0.0185768	0.1442092	0.09722479	13	0.68107362
ENSG00000182087	19	TMEM259	1009647	rs2240160	19	1011215	A	G	0.172962	0.0102974	0.0097719	0.291983	0.409608	0.0449983	8.81E-20	0.0251396	0.024016	0.2951984	0.03563395	20	0.80043284
ENSG00000207357	19	RNU6-2	1021521	rs117481827	19	1021627	C	T	0.132207	0.0238256	0.0144659	0.0995543	1.10381	0.131776	5.46E-17	0.0215849	0.0133564	0.1060782	0.09759868	14	0.65086925
ENSG00000099817	19	POLR2E	1086594	rs6843	19	1088285	C	T	0.755467	0.00190824	0.00911844	0.834235	-0.406956	0.0380781	1.17E-26	-0.0046891	0.0224107	0.8342667	0.03340055	18	0.9781418
ENSG00000167468	19	GPX4	1103936	rs4807542	19	1104078	A	G	0.185885	0.0195813	0.0095159	0.0396141	0.340935	0.0462662	1.72E-13	0.0574341	0.028979	0.04748781	0.9483918	17	0.53621652
ENSG00000160953	19	MUM1	1285890	rs713042	19	1357082	C	T	0.76839	0.00780822	0.00859599	0.36369	-0.469126	0.0680198	5.31E-12	-0.0166442	0.0184817	0.3678123	0.65177	10	0.840274
ENSG00000115266	19	APC2	1446300	rs3894776	19	1457370	T	C	0.582505	-0.0003327	0.00854577	0.968943	0.473299	0.0560573	3.09E-17	-0.000703	0.0180559	0.9689434	0.5113731	6	0.99471489
ENSG00000115255	19	REEP6	1491165	rs791473	19	1491171	G	T	0.377734	-0.006287	0.0083135	0.449505	-0.363194	0.0523087	3.83E-12	0.0173103	0.0230253	0.4521758	0.8067854	6	0.86418667
ENSG00000267244	19	CTB-31O20.4	1822088	rs1610105	19	1818403	G	A	0.727634	-0.0024132	0.00849671	0.776403	-0.39222	0.0701177	2.22E-08	0.00615254	0.021691	0.7766828	0.8709288	4	0.95939787
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	1.26011	0.10232	7.49E-35	-0.0126898	0.00863831	0.1418274	0.7826945	11	0.68030142
ENSG00000130332	19	LSM7	2321516	rs12977961	19	2326897	T	C	0.619284	-0.0014032	0.00818766	0.863922	0.41032	0.0544882	5.06E-14	-0.0034198	0.0199595	0.8639571	0.07051441	16	0.98554401
ENSG00000099800	19	TIMM13	2425622	rs6945	19	2426828	C	G	0.44831	0.020336	0.00808891	0.0119349	0.466956	0.0447424	1.69E-25	0.0435501	0.0178182	0.0145196	0.1621487	20	0.36922688
ENSG00000176533	19	GNG7	2511217	rs56211570	19	2518483	C	A	0.314115	0.00529215	0.00928701	0.568784	-0.232301	0.0372212	4.35E-10	-0.0227814	0.0401446	0.5703855	0.7214656	5	0.89834695
ENSG00000261342	19	AC006538.1	2727741	rs7252598	19	2748597	G	A	0.310139	0.012039	0.00843509	0.153508	0.354046	0.0600594	3.75E-09	0.0340041	0.0245132	0.165389	0.2168282	7	0.68549033
ENSG00000172006	19	ZNF554	2819872	rs2012992	19	2836315	G	C	0.739563	-0.0145748	0.011294	0.19688	-0.375356	0.0517936	4.26E-13	0.0388293	0.0305621	0.2039049	0.456342	19	0.72676285
ENSG00000060558	19	GNA15	3136191	rs170159	19	3149990	C	G	0.765408	-0.0017659	0.0097744	0.856629	-0.785501	0.0778051	5.77E-24	0.00224813	0.0124455	0.8566518	0.2976762	14	0.98554401
ENSG00000125912	19	NCLN	3185561	rs368975	19	3216946	G	A	0.492048	0.00745101	0.00806683	0.355663	-0.227427	0.0358615	2.27E-10	-0.0327622	0.0358442	0.3607081	0.8273695	17	0.840274
ENSG00000129932	19	DOHH	3490819	rs4807481	19	3500641	T	C	0.310139	-0.0197682	0.00845423	0.0193736	-0.257649	0.0399906	1.17E-10	0.0767253	0.0349072	0.02795046	0.9659039	3	0.43604346
ENSG00000183397	19	C19orf71	3539152	rs2286545	19	3526699	C	T	0.446322	-0.0204674	0.00806382	0.0111429	-0.406512	0.0697029	5.47E-09	0.0503488	0.0216338	0.01994815	0.9700793	7	0.39537444
ENSG00000126934	19	MAP2K2	4090319	rs56003114	19	4129205	C	T	0.0904573	0.00234721	0.0153625	0.878565	0.487449	0.0600724	4.88E-16	0.00481529	0.0315217	0.8785866	0.7510981	8	0.98658093
ENSG00000077463	19	SIRT6	4174106	rs350843	19	4177331	C	A	0.871769	0.0167636	0.011783	0.154824	-0.773857	0.0834031	1.72E-20	-0.0216624	0.0154043	0.1596473	0.1429031	8	0.68549033
ENSG00000105248	19	CCDC94	4247076	rs12461969	19	4257635	G	T	0.257455	0.0172811	0.00911772	0.0580484	0.612273	0.0644163	2.00E-21	0.0282245	0.0151848	0.06306433	0.7207439	20	0.58240816
ENSG00000178078	19	STAP2	4324040	rs11882358	19	4328860	C	T	0.517893	0.0179933	0.00805945	0.025577	0.554355	0.073177	3.58E-14	0.0324581	0.0151566	0.03223296	0.1575478	17	0.45862237
ENSG00000267980	19	AC007292.6	4363786	rs11666453	19	4368797	A	G	0.239563	-0.0025136	0.0108971	0.817573	-0.601441	0.0788145	2.33E-14	0.0041793	0.0181266	0.8176554	0.02674219	12	0.97249977
ENSG00000167670	19	CHAF1A	4402659	rs11670503	19	4458063	G	A	0.264414	-0.0145322	0.0103175	0.158981	-0.40421	0.0644877	3.66E-10	0.0359521	0.0261616	0.16937	0.03726505	8	0.69315968
ENSG00000167671	19	UBXN6	4444996	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.426485	0.0413583	6.22E-25	0.0115007	0.0258346	0.6561992	0.03098098	17	0.92753488
ENSG00000267769	19	CTB-50L17.9	4454011	rs11669263	19	4441407	T	C	0.240557	-0.0040491	0.0108794	0.709756	-0.95776	0.0859016	7.20E-29	0.00422772	0.0113655	0.70991	0.0191649	20	0.94335681
ENSG00000176840	19	MIR7-3HG	4769117	rs3760955	19	4772202	C	A	0.333996	-0.0106249	0.00850479	0.211562	-0.646942	0.054016	4.70E-33	0.0164233	0.0132175	0.2140363	0.1121489	20	0.73693013
ENSG00000196365	19	LONP1	5691845	rs35335072	19	5708720	T	C	0.350895	-0.0018192	0.0083846	0.828231	-0.502813	0.0575269	2.32E-18	0.00361806	0.0166805	0.8282835	0.6739011	20	0.97632158
ENSG00000141994	19	DUS3L	5784843	rs113649884	19	5795083	G	A	0.196819	-0.0070684	0.00965774	0.464233	-0.493264	0.0627608	3.86E-15	0.0143299	0.019664	0.4661602	0.7557191	10	0.86418667
ENSG00000187650	19	VMAC	5904869	rs4807823	19	5910513	G	C	0.666998	0.0143205	0.00817389	0.0797774	0.380595	0.0683012	2.51E-08	0.0376266	0.0225131	0.09465849	0.7390107	10	0.65086925
ENSG00000105519	19	CAPS	5911718	rs494642	19	5988263	T	C	0.0874751	0.00841559	0.0164238	0.60837	0.455365	0.0736437	6.28E-10	0.018481	0.036191	0.6095949	0.5687136	11	0.90684164
ENSG00000266983	19	CTC-232P5.1	5978414	rs3795017	19	6003526	G	A	0.402584	-0.017139	0.00821863	0.0370339	0.644227	0.0893187	5.49E-13	-0.026604	0.0132799	0.04514183	0.8047861	20	0.5251593
ENSG00000181240	19	SLC25A41	6426048	rs349090	19	6436857	C	T	0.50994	0.0175623	0.0082961	0.0342657	-0.810487	0.0745927	1.68E-27	-0.0216688	0.0104284	0.0377218	0.4088313	16	0.4779761
ENSG00000205744	19	DENND1C	6467218	rs11669557	19	6476565	T	C	0.60338	0.00105985	0.00813009	0.89628	0.381659	0.06548	5.59E-09	0.00277696	0.0213073	0.8963063	0.03757002	3	0.98658093
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.801136	0.054667	1.25E-48	-0.0051718	0.0104329	0.6200881	0.08252271	14	0.91414798
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.837191	0.0790236	3.17E-26	-0.0063426	0.00990189	0.5218195	0.8438731	18	0.88196165
ENSG00000104883	19	PEX11G	7541761	rs12611162	19	7551737	A	G	0.32505	-0.0005291	0.00867997	0.951395	-0.318054	0.0492048	1.02E-10	0.00166353	0.0272921	0.9513969	0.1286766	8	0.99347767
ENSG00000104938	19	CLEC4M	7828035	rs2277998	19	7831628	A	G	0.296223	0.0146151	0.00878272	0.096097	-0.682034	0.0890203	1.84E-14	-0.0214287	0.0131775	0.1039157	0.07547627	15	0.65086925
ENSG00000268297	19	CLEC4GP1	7852435	rs36056976	19	7853716	G	C	0.240557	-0.0101914	0.0105164	0.332496	1.04265	0.0765715	3.19E-42	-0.0097745	0.0101117	0.3337186	0.3738089	20	0.83064426

ENSG00000269139	19	CTD-3193O13.8	7990886	rs7899	19	7991679	A	T	0.302187	0.00605874	0.00858081	0.480138	0.87419	0.0945975	2.44E-20	0.00693069	0.00984434	0.4814152	0.056345	10	0.86451646
ENSG00000267939	19	CTD-2325M2.1	8073613	rs34470441	19	8084529	T	G	0.407555	0.0202803	0.00813135	0.0126282	-0.576415	0.0847914	1.06E-11	-0.0351835	0.0150262	0.01920767	0.7297885	14	0.39534028
ENSG00000233927	19	RPS28	8386042	rs2972572	19	8390313	G	A	0.535785	0.00852923	0.00808756	0.291603	-0.399393	0.0403489	4.23E-23	-0.0213555	0.0203642	0.2943273	0.7408392	10	0.80043284
ENSG00000269386	19	RAB11B-AS1	8439257	rs72996752	19	8454236	G	A	0.265408	-0.0012485	0.00854806	0.883881	-0.394844	0.0676166	5.24E-09	0.00316188	0.021656	0.8839174	0.5953458	4	0.98658093
ENSG00000099785	19	2-Mar	8478154	rs17160489	19	8508391	A	G	0.67495	-0.0280355	0.00921028	0.00233507	-0.418027	0.048331	5.18E-18	0.0670662	0.0233574	0.00408772	0.2651011	20	0.27687143
ENSG00000130803	19	ZNF317	9251056	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	-1.09871	0.123998	7.95E-19	0.0232139	0.0130537	0.07534859	0.9496812	4	0.6111616
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.56197	0.171932	1.04E-19	-0.0163289	0.00917312	0.07506213	0.9549263	5	0.6111616
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.47635	0.1216	6.40E-34	0.0019131	0.0117233	0.8703701	0.8151843	12	0.9857428
ENSG00000188629	19	ZNF177	9435021	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.21839	0.163721	9.93E-14	0.00231815	0.0142075	0.8703894	0.8210059	3	0.9857428
ENSG00000174652	19	ZNF266	9523272	rs58900528	19	9531541	T	C	0.559642	0.00142443	0.00809213	0.860273	0.949816	0.0531439	1.93E-71	0.00149969	0.0085201	0.8602798	0.882445	20	0.98554401
ENSG00000171469	19	ZNF561	9715356	rs59655853	19	9888908	C	T	0.15507	0.00040128	0.0104152	0.969266	-0.54993	0.0934217	3.94E-09	-0.0007297	0.0189395	0.9692672	0.552502	4	0.99471489
ENSG00000105397	19	TYK2	10461209	rs4804134	19	10568519	G	T	0.383698	-0.0043919	0.00820693	0.592549	0.269306	0.0458772	4.35E-09	-0.0163083	0.0306007	0.5940775	0.350285	10	0.90254426
ENSG00000129347	19	KRI1	10663761	rs1465701	19	10678842	C	T	0.777336	-0.0143817	0.0094741	0.129015	0.632907	0.0568547	8.76E-29	-0.0227232	0.0151077	0.1325603	0.1424467	20	0.67286028
ENSG00000267174	19	CTC-510F12.4	11411453	rs322152	19	11414611	C	T	0.298211	0.010352	0.00886716	0.243027	-0.588384	0.0779983	4.57E-14	-0.017594	0.0152498	0.2486153	0.1853387	14	0.76274604
ENSG00000219665	19	CTD-2006C1.2	12098432	rs10409509	19	12098437	T	G	0.0357853	-0.0165711	0.0175482	0.345006	-1.2271	0.193155	2.11E-10	0.0135043	0.0144577	0.3502747	0.4164586	8	0.840274
ENSG00000180855	19	ZNF443	12540521	rs2910987	19	12546189	C	A	0.279324	-0.0014066	0.00918166	0.878243	0.452017	0.0601096	5.48E-14	-0.0031118	0.0203169	0.8782682	0.9680829	7	0.98658093
ENSG00000242852	19	ZNF709	12571998	rs12982475	19	12550466	G	A	0.471173	0.00546986	0.00807167	0.497987	0.511025	0.0822049	5.08E-10	0.0107037	0.0158886	0.5005208	0.9315103	9	0.86872655
ENSG00000269560	19	CTD-2192J16.21	12640582	rs4804718	19	12648793	T	C	0.652087	0.0148581	0.00868426	0.0870944	-0.79342	0.0918469	5.70E-18	-0.0187267	0.011158	0.09328427	0.723983	4	0.65086925
ENSG00000213290	19	PGK1P2	12670385	rs10412588	19	12661922	G	A	0.648111	0.00096658	0.00832589	0.907579	-0.699567	0.0960478	3.25E-13	-0.0013817	0.011903	0.9075904	0.719604	13	0.98710612
ENSG00000105576	19	TNPO2	12810008	rs8106490	19	12823166	C	G	0.371769	0.0233544	0.00924912	0.0115686	0.168551	0.0292081	7.90E-09	0.13856	0.0598976	0.02070723	0.5537395	4	0.40333901
ENSG00000105607	19	GCDH	13001840	rs8012	19	13010520	G	A	0.521869	-0.0028336	0.00806037	0.72518	0.499041	0.0423555	4.82E-32	-0.005678	0.0161589	0.725298	0.2142482	20	0.94540164
ENSG00000037757	19	MRI1	13875346	rs62111893	19	13874258	T	G	0.414513	-0.0047543	0.00815023	0.55967	-0.705977	0.0712577	3.87E-23	0.00673433	0.0115646	0.5603496	0.699797	4	0.89284117
ENSG00000104979	19	C19orf53	13884982	rs58793168	19	13892035	A	G	0.252485	0.0017603	0.00899847	0.844906	-0.423263	0.0526197	8.71E-16	-0.0041589	0.021266	0.8449512	0.2151245	6	0.98207023
ENSG00000141854	19	hsa-mir-1199	14183348	rs7258963	19	14185226	C	T	0.377734	0.0119263	0.00828898	0.150203	0.515874	0.0527889	1.48E-22	0.0231186	0.0162411	0.1546005	0.7368884	17	0.68522247
ENSG00000105143	19	SLC1A6	15060846	rs62113320	19	15091008	C	T	0.314115	-0.0007637	0.00839397	0.92751	0.304143	0.0388231	4.72E-15	-0.0025109	0.0276006	0.9275151	0.8513838	13	0.99242261
ENSG00000105127	19	AKAP8	15464196	rs10419500	19	15486404	G	C	0.738569	-0.015738	0.0100214	0.116313	-0.465267	0.0730678	1.92E-10	0.0338257	0.0221844	0.1273211	0.1443895	4	0.6660315
ENSG00000186529	19	CYP4F3	15751707	rs1290617	19	15751897	G	T	0.426441	-0.0041973	0.00851787	0.622179	-0.812009	0.0831205	1.53E-22	0.00516906	0.0105032	0.6226199	0.07526579	20	0.91443861
ENSG00000186204	19	CYP4F12	15783567	rs2283607	19	15749967	A	G	0.525845	0.00592011	0.00838787	0.480316	0.520584	0.088225	3.62E-09	0.0113721	0.0162273	0.4834286	0.02829321	7	0.86605621
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.0847	0.0768328	2.96E-45	0.00518408	0.0075315	0.4912515	0.8053831	20	0.86806745
ENSG00000268673	19	LLNLR-249E10.1	15871185	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	0.823343	0.0818571	8.44E-24	-0.0068297	0.00993368	0.4917504	0.6262819	20	0.86806745
ENSG00000186115	19	CYP4F2	15988833	rs4807998	19	16014631	G	A	0.507952	0.00109365	0.00805212	0.891963	-0.59949	0.0852317	2.01E-12	-0.0018243	0.0134341	0.8919825	0.9645721	10	0.98658093
ENSG00000072958	19	AP1M1	16308389	rs12986391	19	16355566	A	G	0.700795	0.00062869	0.00853068	0.941251	0.201025	0.0340956	3.73E-09	0.00312741	0.0424392	0.9412559	0.1039828	11	0.99347767
ENSG00000105072	19	C19orf44	16607122	rs967886	19	16607233	C	G	0.841948	0.010735	0.00988882	0.277668	0.85174	0.100749	2.81E-17	0.0126036	0.0117055	0.2816014	0.4478599	10	0.79075254
ENSG00000214046	19	SMIM7	16741562	rs2633336	19	16797667	C	T	0.892644	-0.0231444	0.014145	0.101793	0.661989	0.109428	1.45E-09	-0.0349619	0.0221352	0.1142279	0.9611478	6	0.65830417
ENSG00000269044	19	CTC-429P9.3	16744614	rs62116920	19	16751128	G	A	0.189861	0.00757359	0.00971683	0.435726	-0.518152	0.0830164	4.33E-10	-0.0146165	0.0188985	0.4392721	0.6203588	16	0.86418667
ENSG00000188039	19	NWD1	16830787	rs12973121	19	16828840	C	T	0.436382	0.00364853	0.00848547	0.667215	-0.501063	0.0413538	8.64E-34	-0.0072816	0.0169456	0.6674114	0.1908166	13	0.93253494
ENSG00000099331	19	MYO9B	17186591	rs35458678	19	17155113	T	G	0.187873	-0.0214409	0.0107716	0.046535	0.222649	0.0394082	1.61E-08	-0.0962991	0.051294	0.06046401	0.6311882	6	0.56909091
ENSG00000099330	19	OCEL1	17337013	rs10426800	19	17337447	T	C	0.107356	0.00017741	0.0156761	0.99097	-0.680695	0.0708965	7.90E-22	-0.0002606	0.0230296	0.9909703	0.712939	12	0.99595203
ENSG00000130312	19	MRPL34	17403418	rs8100232	19	17422951	A	G	0.426441	-0.001116	0.00826322	0.892566	0.534118	0.0487427	6.09E-28	-0.0020895	0.015472	0.8925735	0.2834371	20	0.98658093
ENSG00000130299	19	GTPBP3	17445729	rs117419016	19	17443453	A	G	0.0228628	0.036373	0.036982	0.325346	1.1392	0.194337	4.57E-09	0.0319285	0.0329169	0.3320591	0.01602323	4	0.82926226
ENSG00000141971	19	MVB12A	17516531	rs8112894	19	17541371	T	C	0.180915	-0.0134688	0.0103048	0.191196	0.480608	0.0737169	7.05E-11	-0.0280245	0.0218678	0.2000034	0.2444521	14	0.72109022
ENSG00000269752	19	CTD-3149D2.3	17724531	rs4255897	19	17731145	T	A	0.49006	-0.0050538	0.00828411	0.541824	-0.53162	0.0820215	9.08E-11	0.00950638	0.0156516	0.5436037	0.6676417	11	0.88612583
ENSG00000096996	19	IL12RB1	18169805	rs383483	19	18171886	G	A	0.525845	0.00705906	0.00810394	0.383719	-0.374036	0.0636434	4.18E-09	-0.0188727	0.0219029	0.3888788	0.1115303	7	0.84859336
ENSG00000105650	19	PDE4C	18318771	rs4808765	19	18334443	T	C	0.287276	-0.0164474	0.00924922	0.0753633	-0.362187	0.0646156	2.08E-08	0.0454113	0.0267914	0.09007633	0.6116527	5	0.64948716
ENSG00000130518	19	KIAA1683	18367908	rs10406080	19	18402142	G	C	0.627237	0.012449	0.00851425	0.143704	-0.571715	0.0695714	2.07E-16	-0.0217748	0.0151264	0.1500008	0.9369358	20	0.68107362
ENSG00000130517	19	PGPEP1	18451397	rs66732430	19	18453629	A	G	0.286282	-0.0003325	0.00813274	0.967385	-0.463188	0.0568156	3.57E-16	0.00071791	0.0175584	0.9673858	0.03964046	3	0.99471489
ENSG00000221983	19	UBA52	18682540	rs2314664	19	18691942	G	A	0.593439	0.00630489	0.00834106	0.449718	-0.214439	0.0372418	8.51E-09	-0.0294018	0.0392309	0.4535826	0.8084942	5	0.86418667
ENSG00000223802	19	CERS1	18979361	rs4808164	19	18989455	G	A	0.898608	0.0035806	0.0122537	0.770128	0.403864	0.0647699	4.51E-10	0.00886586	0.0303745	0.7703743	0.1288672	6	0.95757675
ENSG00000105669	19	COPE	19010323	rs1468461	19	19021970	C	T	0.658052	0.00663347	0.00819662	0.418346	0.230689	0.0391677	3.87E-09	0.028755	0.0358649	0.4226918	0.113271	4	0.86418667
ENSG00000254901	19	MEF2BNB	19287712	rs12974672	19	19279452	G	C	0.494036	-0.0142924	0.00812769	0.0786647	0.275343	0.0350337	3.86E-15	-0.0519076	0.0302483	0.0861523	0.2936648	10	0.63911656
ENSG00000181896	19	ZNF101	19779605	rs34575363	19	19811914	A	G	0.363817	-0.0029615	0.00890132	0.739358	0.563831	0.0779849	4.83E-13	-0.0052525	0.0158039	0.7396237	0.5160553	12	0.94997803
ENSG00000266904	19	LINC00663	19868175	rs248971	19	19871649	G	T	0.44334	0.00868358	0.00806336	0.281517	0.496653	0.0720037	5.29E-12	0.0174842	0.0164321	0.2873161	0.8909365	4	0.79641232
ENSG00000256771	19	ZNF253	19976695	rs2017721	19	20143908	C	T	0.83002	-0.0092845	0.00992187	0.349396	0.405673	0.0734511	3.33E-08	-0.0228867	0.0248064	0.3562092	0.8645139	18	0.840274
ENSG00000237440	19	ZNF737	20718631	rs73008801	19	20718734	T	G	0.0586481	0.0300406	0.0201006	0.135043	-1.01757	0.157009	9.11E-11	-0.0295219	0.0202719	0.1453114	0.4690351	6	0.68107362
ENSG00000188171	19	ZNF626	20802867	rs2288534	19	20828796	G	T	0.32505	0.00596558	0.00851533	0.483572	0.42068	0.0662724	2.18E-10	0.0141808	0.0203647	0.4862151	0.7454677	10	0.86806745
ENSG00000105750	19	ZNF85	21106028	rs370670639	19	21076332	A	T	0.138171	-0.010737	0.0124	0.38655	0.763577	0.106415	7.21E-13	-0.0140615	0.0163572	0.3899817	0.9819275	13	0.84859336
ENSG00000172687	19	ZNF738	21541732	rs8099863	19	21571691	G	A	0.257455	-0.0157244	0.00888589	0.0767945	-0.548529	0.0702551	5.83E-15	0.0286665	0.0166104	0.08437977	0.3317782	13	0.63344012
ENSG00000268119	19	CTD-2561J22.5	21627043	rs6511238	19	21584508	C	A	0.517893	0.00936377	0.00806826	0.245817	-0.589329	0.0895385	4.65E-11	-0.0158889	0.0139018	0.2530649	0.2529642	17	0.76664311
ENSG00000268658	19	LINC00664	21666176	rs11667259	19	21639989	C	G	0.511928	0.00830839	0.00805682	0.302436	-0.592137	0.089244	3.24E-11	-0.0140312	0.0137697	0.3082074	0.1700135	14	0.81191626
ENSG00000268555	19	RP11-678G14.3	21753624	rs60206762	19	21782896	A	T	0.206759	-0.003592	0.0100892	0.721822	0.955414	0.115172	1.08E-16	-0.0037596	0.0105698	0.7220669	0.8994488	20	0.94509525
ENSG00000268278	19	RP11-420K14.1	21820776	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-0.565179	0.0864795	6.34E-11	-0.0107984	0.0150937	0.4743467	0.9530212	11	0.86418667
ENSG00000197020	19	ZNF100	21905568	rs12974150	19	21885411	G	A	0.0606362	0.0197407	0.0212304	0.352459	0.819798	0.113294	4.62E-13	0.02408	0.02611	0.3563989	0.6786983	15	0.840274
ENSG00000160321	19	ZNF208	22115760	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-0.554752	0.0972143	1.15E-08	-0.0110014	0.0154061	0.4751699	0.9942568	6	0.86418667
ENSG00000197134	19	ZNF257	22235254	rs199643795	19	22291325	A	G	0.27336	0.0155524	0.00908934	0.0870703	-0.661628	0.114277	7.05E-09	-0.0235063	0.0143252	0.1008182	0.8109549	18	0.65086925
ENSG00000197360	19	ZNF98	22573821	rs931608	19	22614122	C	A	0.88668	-0.0009485	0.0121271	0.937657	-0.685936	0.0943844	3.66E-13	0.00138281	0.0176807	0.9376608	0.6825777	10	0.99347767
ENSG00000270947	19	AC025811.3	22638790	rs1692595	19	22634726	T	C	0.180915	0.00336	0.0102546	0.743171	0.726803	0.101143	6.68E-13	0.00462299	0.0141238	0.7434276	0.6786592	9	0.95144089
ENSG00000269332	19	CTC-457E21.3	22779059	rs16999458	19	22779198	G	A	0.0646123	-0.0059487	0.0204823	0.771488	1.24547	0.15213	2.68E-16	-0.0047763	0.0164558	0.7716264	0.4067325	15	0.95800023
ENSG00000269837	19	RP11-15H20.5	23437855	rs440471	19	23459621	C	A	0.606362	-0.0127386	0.00827426	0.12367	-0.511001	0.0753092	1.16E-11	0.0249287	0.0166038	0.133256	0.6767712	16	0.67365314
ENSG00000269416	19	CTB-175P5.4	23582035	rs675277	19	23604186	T	C	0.253479	-0.0072968	0.00933857	0.434592	0.59542	0.0768956	9.69E-15	-0.0122548	0.0157637	0.4369167	0.1171446	13	0.86418667
ENSG00000196172	19	ZNF681	23921997	rs73023850	19	23922018	A	T	0.133201	0.016818	0.010946	0.12443	-0.53852	0.0951568	1.52E-08	-0.03123	0.0210619	0.1381337	0.09329201	4	0.67926006
ENSG00000269397	19	CTB-92J24.2	24110590	rs3764587	19	24098001	C	A	0.270378	0.00723781	0.00893241	0.417776	-0.557086	0.0970035	9.30E-09	-0.0129923	0.016193	0.4223565	0.1508146	6	0.86418667
ENSG00000268362	19	CTD-2017D11.1	24216247	rs56373210	19	24228273	T	C	0.218688	0.00860736	0.0102669	0.401828	0.685018	0.0932017	1.98E-13	0.0125652	0.015085	0.4048679	0.3756458	20	0.85537967
ENSG00000261824	19	LINC00662	28175488	rs12609365	19	28259364	T	C	0.328032	0.0109444	0.00920271	0.234337	-0.332933	0.0531698	3.81E-10	-0.0328727	0.0281354	0.2426566	0.0948872	16	0.76015979
ENSG00000261770	19	CTC-459F4.1	28248092	rs6510333	19	28312200	G	A	0.847913	0.0136975	0.00918799	0.136013	-1.52375	0.102329	3.79E-50	-0.0089893	0.00606	0.1379711	0.9232066	16	0.67926006
ENSG00000267264	19	CTC-459F4.6	28294446	rs7508120	19	28424032	A	G	0.0884692	-0.0163324	0.010671	0.125884	-0.679921	0.124023	4.20E-08	0.024021	0.0162946	0.1404365	0.7677046	11	0.67926006
ENSG00000267623	19	AC022153.1	28393503	rs6510333	19	28312200	G	A	0.847913	0.0136975	0.00918799	0.136013	0.6946	0.0847483	2.48E-16	0.01972	0.0134448	0.1424472	0.7270374	16	0.68107362
ENSG00000264515	19	CTC-525D6.1	29777918	rs11671079	19	29900846	A	G	0.544732	0.00954947	0.00812932	0.240116	0.434261	0.061118	1.20E-12	0.0219902	0.018974	0.2464714	0.3911445	13	0.76123939
ENSG00000267213	19	AC007773.2	32880956	rs73036028	19	32953205	G	A	0.516899	-0.005107	0.00805478	0.52606	0.524119	0.0839028	4.19E-10	-0.009744	0.0154472	0.5281769	0.7197154	11	0.88585906
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.717437	0.061049	6.91E-32	0.00148094	0.011269	0.8954455	0.1217224	20	0.98658093
ENSG00000105186	19	ANKRD27	33087913	rs7258024	19	33099336	G	A	0.666998	-0.0110001	0.00850913	0.196101	0.564066	0.0834185	1.36E-11	-0.0195014	0.0153586	0.2041757	0.06219143	20	0.72703629
ENSG00000021488	19	SLC7A9	33321415	rs73041757	19	33369028	A	G	0.184891	0.00686517	0.0102422	0.502677	-0.763891	0.082409	1.87E-20	-0.0089871	0.0134429	0.5037907	0.399464	20	0.87249189
ENSG00000121289	19	CEP89	33369902	rs8111221	19	33442002	C	A	0.331014	0.00120193	0.00830723	0.88496	-0.446115	0.0679025	5.03E-11	-0.0026942	0.0186258	0.8849874	0.9942475	11	0.98658093
ENSG00000131944	19	C19orf40	33463115	rs11556219	19	33463228	T	C	0.212724	-0.0009097	0.00950644	0.923764	-0.691635	0.107815	1.41E-10	0.0013153	0.0137464	0.9237723	0.5236413	9	0.99163855
ENSG00000131941	19	RHPN2	33469499	rs7508599	19	33546512	T	A	0.333996	-0.0022037	0.00868964	0.799802	-0.259379	0.0388567	2.47E-11	0.00849614	0.0335259	0.7999434	0.6755684	19	0.965513
ENSG00000166359	19	WDR88	33622996	rs4805029	19	33667819	G	A	0.207753	0.00357394	0.00987473	0.717406	0.648806	0.114208	1.34E-08	0.00550849	0.0152507	0.7179532	0.3584824	3	0.94509525
ENSG00000124299	19	PEPD	33877856	rs17570	19	33878837	A	G	0.256461	-0.0110813	0.0094183	0.239367	0.72002	0.071969	1.46E-23	-0.0153903	0.0131708	0.2425978	0.7073143	20	0.76015979
ENSG00000089335	19	ZNF302	35168544	rs10401309	19	35175749	G	C	0.115308	-0.0008643	0.0124057	0.944459	-0.784296	0.0815804	6.99E-22	0.00110195	0.015818	0.9444609	0.3159049	10	0.99347767
ENSG00000197841	19	ZNF181	35225060	rs4806052	19	35243100	G	A	0.317097	-0.0127216	0.00861651	0.13983	-0.449764	0.0506611	6.81E-19	0.0282851	0.019421	0.1452769	0.8616406	17	0.68107362
ENSG00000089351	19	GRAMD1A	35485688	rs67003112	19	35487933	G	C	0.340954	0.00967091	0.00862922	0.262409	-0.301404	0.0531034	1.38E-08	-0.0320862	0.0291829	0.2715554	0.6491745	7	0.78551855
ENSG00000236144	19	AD000090.2	36031640	rs2293681	19	36033825	A	G	0.162028	-0.0062164	0.0105899	0.557192	-0.346409	0.0539495	1.35E-10	0.0179454	0.030698	0.5588314	0.2051379	8	0.89128104
ENSG00000105675	19	ATP4A	36040945	rs12983627	19	36060776	G	A	0.150099	-0.0033643	0.0126015	0.789491	0.349978	0.0613044	1.14E-08	-0.0096128	0.0360459	0.789715	0.7834906	6	0.96301985
ENSG00000126267	19	COX6B1	36139125	rs9917056	19	36182704	C	A	0.483101	0.00770675	0.00805196	0.338503	-0.347309	0.0415133	5.95E-17	-0.0221899	0.0233351	0.3416427	0.4046899	17	0.83501439
ENSG00000105668	19	UPK1A	36157715	rs113878408	19	36177746	T	C	0.195825	0.00487795	0.0087381	0.576681	0.802105	0.110939	4.82E-13	0.00608144	0.0109264	0.5778126	0.2392548	20	0.89834695
ENSG00000011590	19	ZBTB32	36195429	rs9917056	19	36182704	C	A	0.483101	0.00770675	0.00805196	0.338503	0.88177	0.0934039	3.71E-21	0.00874009	0.0091784	0.3409725	0.2841299	20	0.83501439
ENSG00000161265	19	U2AF1L4	36233365	rs10401156	19	36254702	T	C	0.157058	0.0235438	0.0147709	0.110952	0.515276	0.0918131	2.00E-08	0.0456916	0.0297997	0.1252041	0.9076025	5	0.66377689
ENSG00000225872	19	AC002398.5	36279778	rs60128322	19	36259810	C	T	0.028827	0.0183928	0.0200834	0.359762	-1.42629	0.148227	6.43E-22	-0.0128956	0.0141445	0.3619261	0.2392712	12	0.840274
ENSG00000075702	19	WDR62	36545783	rs2075474	19	36612396	G	A	0.44831	0.0091934	0.00817653	0.260859	0.407642	0.0614429	3.26E-11	0.0225526	0.0203441	0.267621	0.4238403	6	0.78198773
ENSG00000105258	19	POLR2I	36604612	rs10418079	19	36613975	G	C	0.616302	0.0108472	0.00833171	0.192945	0.300458	0.0446241	1.66E-11	0.0361022	0.0282437	0.2011644	0.3860656	10	0.72249458
ENSG00000196357	19	ZNF565	36673188	rs2432039	19	36706732	C	G	0.380716	-0.0058172	0.00841338	0.4893	-0.426591	0.0676871	2.93E-10	0.0136365	0.0198407	0.4918945	0.4699029	13	0.86806745
ENSG00000232677	19	LINC00665	36803969	rs2967501	19	36825029	C	T	0.631213	0.00377864	0.00838207	0.652134	-0.590898	0.074513	2.19E-15	-0.0063947	0.0142082	0.6526573	0.8484705	20	0.9271714
ENSG00000233527	19	AC092295.7	37063972	rs34395293	19	37073194	A	G	0.400596	-0.0005896	0.00835214	0.943725	0.809402	0.0855185	2.95E-21	-0.0007284	0.0103192	0.9437269	0.5629223	20	0.99347767
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.39001	0.0844277	6.66E-61	-0.0045747	0.00612334	0.4550073	0.09280264	20	0.86418667
ENSG00000267470	19	ZNF571-AS1	38039816	rs12151280	19	38067890	C	A	0.22167	0.0166532	0.00997028	0.0948637	0.511592	0.0684403	7.72E-14	0.0325517	0.0199693	0.1030835	0.3814867	9	0.65086925
ENSG00000196381	19	ZNF781	38158652	rs56374286	19	38116793	C	T	0.578529	0.0031468	0.00806033	0.696237	-0.43768	0.0483297	1.35E-19	-0.0071897	0.0184331	0.6965043	0.05544342	20	0.94123561
ENSG00000198182	19	ZNF607	38187264	rs3894129	19	38384421	G	C	0.750497	0.0106742	0.0091095	0.241293	-0.417998	0.076055	3.89E-08	-0.0255365	0.022283	0.2517915	0.2398772	5	0.76610014
ENSG00000268055	19	AC067969.2	39026157	rs73032627	19	39029132	G	A	0.0447316	0.00951624	0.0268273	0.722798	-0.934024	0.156105	2.19E-09	-0.0101884	0.0287727	0.7232636	0.1052566	9	0.94540164
ENSG00000104823	19	ECH1	39306062	rs10411480	19	39324154	T	C	0.593439	0.00868167	0.00807381	0.282246	0.266919	0.0431853	6.38E-10	0.0325255	0.0307025	0.2894288	0.2855776	7	0.79710593
ENSG00000187994	19	RINL	39358470	rs2116852	19	39350452	G	A	0.421471	-0.0100866	0.00807418	0.211578	-0.385511	0.0658518	4.79E-09	0.0261642	0.0214156	0.221808	0.9343859	6	0.74274316
ENSG00000104825	19	NFKBIB	39390340	rs3136642	19	39398416	G	A	0.405567	-0.0054068	0.00822182	0.510784	0.378657	0.0520153	3.34E-13	-0.014279	0.0218015	0.5124982	0.887558	7	0.87718725
ENSG00000269486	19	CTC-360G5.9	39425976	rs11083488	19	39400495	T	C	0.662028	-0.0054559	0.00863278	0.527388	-0.702341	0.0872127	8.07E-16	0.00776816	0.0123292	0.5286548	0.3277776	12	0.88585906
ENSG00000269190	19	FBXO17	39432044	rs1865048	19	39437559	T	C	0.397614	0.00171637	0.0081585	0.833373	0.446814	0.0648276	5.49E-12	0.00384135	0.0182678	0.833449	0.8966644	9	0.9781418
ENSG00000130669	19	PAK4	39616410	rs11666238	19	39634474	C	T	0.345924	0.00546913	0.00879674	0.534124	-0.343917	0.0464492	1.32E-13	-0.0159025	0.0256681	0.5355593	0.5477619	13	0.88585906
ENSG00000196235	19	SUPT5H	39926796	rs73035416	19	39946165	G	C	0.559642	0.00815665	0.00840355	0.331738	-0.327511	0.0521911	3.49E-10	-0.024905	0.025964	0.3374514	0.1764666	10	0.83233161
ENSG00000160392	19	C19orf47	40825443	rs3745195	19	40842529	G	A	0.482107	0.00393407	0.00818534	0.630783	0.47625	0.0589966	6.89E-16	0.00826051	0.0172175	0.6313879	0.7379617	15	0.91979557
ENSG00000160460	19	SPTBN4	40972148	rs4332846	19	41058802	A	C	0.585487	0.0070576	0.00817175	0.387775	-0.181396	0.0267848	1.27E-11	-0.0389071	0.0454141	0.3915997	0.7760197	7	0.84859336
ENSG00000188493	19	C19orf54	41246761	rs7255821	19	41252772	C	T	0.678926	-0.011063	0.00919481	0.228906	-0.265673	0.0430724	6.91E-10	0.0416414	0.0352618	0.2376341	0.2003596	9	0.75264543
ENSG00000105341	19	ATP5SL	41937223	rs2231940	19	41944237	C	T	0.406561	0.00320597	0.00841205	0.703118	-0.320066	0.0530265	1.58E-09	-0.0100166	0.0263346	0.703679	0.6592265	3	0.94255443
ENSG00000267107	19	AC011526.1	41960074	rs2191139	19	42001210	T	C	0.241551	0.0097563	0.00897785	0.277165	-0.386448	0.0510952	3.93E-14	-0.0252461	0.0234703	0.2820788	0.8979231	18	0.79091855
ENSG00000176531	19	PHLDB3	43979106	rs4330013	19	43964028	G	A	0.61829	0.00196784	0.00860126	0.819036	0.442285	0.0676533	6.25E-11	0.00444926	0.0194592	0.8191448	0.8820764	10	0.97258841
ENSG00000234465	19	PINLYP	44080952	rs11407	19	44085827	T	C	0.172962	-0.0064457	0.0105558	0.541442	-0.446083	0.0704022	2.35E-10	0.0144496	0.0237729	0.5433089	0.9943853	8	0.88612583
ENSG00000104783	19	KCNN4	44270685	rs8109812	19	44298494	A	C	0.419483	0.00607261	0.0081441	0.455882	-0.693702	0.0724753	1.05E-21	-0.0087539	0.0117756	0.4572438	0.424859	16	0.86418667
ENSG00000268601	19	AC115522.3	44298461	rs8109812	19	44298494	A	C	0.419483	0.00607261	0.0081441	0.455882	-0.530913	0.0803277	3.86E-11	-0.0114381	0.0154371	0.4587268	0.6862523	6	0.86418667
ENSG00000159871	19	LYPD5	44300081	rs11083724	19	44298988	G	A	0.419483	0.00603909	0.00814422	0.458379	-0.22684	0.039845	1.25E-08	-0.0266227	0.0362062	0.4621522	0.506955	13	0.86418667
ENSG00000176222	19	ZNF404	44376515	rs396874	19	44397225	C	G	0.513917	-0.0038708	0.00806061	0.631081	-0.442464	0.0466478	2.42E-21	0.00874817	0.0182409	0.631518	0.8155925	20	0.91979557
ENSG00000204920	19	ZNF155	44472014	rs391267	19	44492487	T	C	0.292247	-0.0040758	0.00885819	0.645434	0.65012	0.080034	4.55E-16	-0.0062693	0.0136473	0.6459628	0.3379367	6	0.92308109
ENSG00000167384	19	ZNF180	44979854	rs2686768	19	44995990	C	T	0.444334	-0.0001346	0.00822506	0.986942	0.50328	0.076096	3.75E-11	-0.0002675	0.016343	0.9869425	0.3122299	10	0.99595203
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.23638	0.100315	6.64E-35	-0.005086	0.00820212	0.5352061	0.7183277	16	0.88585906
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.408547	0.0536561	2.65E-14	-0.0024247	0.0197726	0.9023994	0.6233718	8	0.98658093
ENSG00000104892	19	KLC3	45836692	rs12972985	19	45843315	T	G	0.364811	-0.0064955	0.00821167	0.42894	0.545104	0.0889523	8.90E-10	-0.0119161	0.0151894	0.4327476	0.07188608	20	0.86418667
ENSG00000117877	19	CD3EAP	45909467	rs3212983	19	45913987	C	T	0.132207	-0.015102	0.0111939	0.177294	-0.47912	0.0788224	1.21E-09	0.0315203	0.023932	0.187813	0.9039638	7	0.70253861
ENSG00000104983	19	CCDC61	46498339	rs35247686	19	46529668	T	C	0.272366	-0.0234547	0.00970781	0.0156892	0.384033	0.067043	1.02E-08	-0.0610747	0.0274352	0.02600442	0.7157628	6	0.4329447
ENSG00000268401	19	CTC-344H19.4	46530912	rs12611078	19	46531916	T	C	0.244533	0.00442535	0.0106713	0.678363	0.507623	0.0664911	2.27E-14	0.00871779	0.0210531	0.6788111	0.01582764	8	0.93372697
ENSG00000204866	19	IGFL2	46646363	rs2012204	19	46669509	A	G	0.649105	-0.0026121	0.00810265	0.747171	-0.554573	0.0964066	8.80E-09	0.00471006	0.0146335	0.7475532	0.02503357	5	0.95189833
ENSG00000169515	19	CCDC8	46913629	rs892110	19	46926953	T	C	0.524851	0.0088645	0.00807013	0.272015	-0.413861	0.0482184	9.24E-18	-0.021419	0.0196586	0.2759126	0.5930589	10	0.78643683
ENSG00000182013	19	PNMAL1	46969748	rs8107491	19	46975167	A	G	0.705765	0.00992758	0.00885609	0.262293	-0.241766	0.0303964	1.81E-15	-0.0410628	0.0369929	0.2669909	0.6626697	20	0.78197647
ENSG00000230510	19	PPP5D1	46984053	rs78296355	19	46796393	T	C	0.0198807	0.0323783	0.0199829	0.105169	-1.19439	0.188983	2.61E-10	-0.0271086	0.0172717	0.116522	0.7358254	4	0.66288056
ENSG00000204851	19	PNMAL2	46990163	rs7247674	19	46986345	C	A	0.259443	-0.0076518	0.00866796	0.377361	-0.20077	0.0336584	2.45E-09	0.0381123	0.0436438	0.382523	0.26316	11	0.84640362
ENSG00000245598	19	DACT3-AS1	47163621	rs10411851	19	47230113	T	C	0.545726	-0.0197051	0.0080997	0.014982	-0.522053	0.0849531	7.99E-10	0.0377454	0.0166867	0.02369696	0.1740002	11	0.42385562
ENSG00000105287	19	PRKD2	47177532	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.606013	0.0561525	3.74E-27	0.0377792	0.014041	0.00713177	0.01818463	20	0.30017552
ENSG00000181027	19	FKRP	47249303	rs12986248	19	47252875	G	A	0.581511	-0.0251862	0.00819012	0.00210363	-0.274701	0.039845	5.42E-12	0.0916859	0.0326462	0.00497778	0.3529262	7	0.30017552
ENSG00000134815	19	DHX34	47852538	rs2694542	19	47894509	C	T	0.356859	0.00041951	0.00853304	0.960789	0.425921	0.0520391	2.73E-16	0.00098496	0.0200347	0.9607898	0.6627007	16	0.99347767
ENSG00000105483	19	CARD8	48684027	rs116950953	19	48732930	T	C	0.0427435	0.0637044	0.0283751	0.0247628	-0.430346	0.0784799	4.17E-08	-0.148031	0.0712478	0.0377383	0.00457427	3	0.4779761
ENSG00000105479	19	CCDC114	48799714	rs10423820	19	48811973	G	A	0.239563	0.00227399	0.00902378	0.801041	-0.653386	0.0843675	9.59E-15	-0.0034803	0.0138181	0.8011443	0.9012941	17	0.965513
ENSG00000182324	19	KCNJ14	48958766	rs1643481	19	48984178	C	G	0.87674	0.00983345	0.0112253	0.381026	-0.66725	0.100069	2.60E-11	-0.0147373	0.0169678	0.3850964	0.2501584	12	0.8470764
ENSG00000088002	19	SULT2B1	49055332	rs10401347	19	49092551	A	G	0.503976	-0.003449	0.00820147	0.674093	-0.966005	0.0758593	3.82E-37	0.0035704	0.00849472	0.6742607	0.1281071	4	0.93372697
ENSG00000232871	19	SEC1P	49141328	rs4365394	19	49145513	T	C	0.732604	0.00254457	0.00841135	0.762258	0.520576	0.0915129	1.28E-08	0.00488799	0.0161806	0.7625839	0.2371382	5	0.9549947
ENSG00000142233	19	NTN5	49164664	rs479486	19	49229323	A	G	0.493042	0.0081121	0.00811509	0.317489	0.441324	0.063368	3.30E-12	0.0183813	0.0185765	0.322423	0.9275911	20	0.81995693
ENSG00000183207	19	RUVBL2	49496705	rs113328808	19	49512700	C	T	0.0934394	-0.0146829	0.0117279	0.210585	-0.393028	0.0683068	8.72E-09	0.0373584	0.0305381	0.2212016	0.5355479	6	0.74274316
ENSG00000104863	19	LIN7B	49617581	rs1060967	19	49621592	C	G	0.363817	0.0003168	0.0088891	0.97157	0.234273	0.0402477	5.86E-09	0.00135225	0.0379441	0.9715711	0.5566997	3	0.99471489
ENSG00000268686	19	AC010524.2	49871962	rs10408609	19	49896049	G	A	0.235586	0.0139887	0.0108159	0.195894	-0.620006	0.0846335	2.38E-13	-0.0225622	0.0177146	0.2027878	0.5441102	7	0.72623623
ENSG00000161618	19	ALDH16A1	49956426	rs7259076	19	49956274	G	C	0.752485	-0.0141522	0.00873578	0.105226	-0.796436	0.0659313	1.35E-33	0.0177694	0.0110668	0.1083504	0.00058002	10	0.65086925
ENSG00000104870	19	FCGRT	50010073	rs10419198	19	50038017	T	C	0.261431	0.00921355	0.00913279	0.31305	-0.187433	0.0334009	2.00E-08	-0.0491565	0.0495068	0.3207466	0.3862029	4	0.8185229

ENSG00000126464	19	PRR12	50094900	rs7251877	19	50097547	G	A	0.218688	0.0086608	0.00972974	0.373392	0.281921	0.0374459	5.12E-14	0.0307207	0.0347527	0.3767071	0.01655954	11	0.84601007
ENSG00000169169	19	CPT1C	50194155	rs61189653	19	50196918	T	C	0.161034	-0.0299368	0.0122459	0.0144994	-0.281011	0.0487962	8.47E-09	0.106532	0.0473418	0.02443108	0.01474781	3	0.42765806
ENSG00000039650	19	PNKP	50364461	rs2257103	19	50370066	T	C	0.406561	0.00596491	0.00831595	0.473198	0.474211	0.0518344	5.77E-20	0.0125786	0.0175902	0.4745529	0.3002618	20	0.86418667
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.728419	0.0665556	7.06E-28	0.013084	0.0121058	0.2797807	0.04098687	12	0.79003956
ENSG00000086967	19	MYBPC2	50936160	rs12973553	19	50946039	T	C	0.55666	-0.0005652	0.008104	0.944396	-0.58945	0.0979016	1.74E-09	0.0009589	0.0137493	0.9443995	0.2895697	9	0.99347767
ENSG00000204653	19	ASPDH	51014857	rs12327751	19	50968890	T	G	0.590457	0.00156921	0.00813157	0.846977	-0.45845	0.0556868	1.83E-16	-0.0034229	0.017742	0.8470181	0.1274868	20	0.98207023
ENSG00000213023	19	SYT3	51124564	rs3815749	19	51140654	A	G	0.150099	0.0138734	0.00953024	0.145468	-0.239782	0.0360927	3.06E-11	-0.0578584	0.0406884	0.15503	0.8782322	4	0.68522247
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.982928	0.0836087	6.56E-32	0.0074815	0.00938944	0.4255672	0.9248004	15	0.86418667
ENSG00000129451	19	KLK10	51515995	rs2569451	19	51520200	T	C	0.553678	-0.0069231	0.00818022	0.397372	-0.635189	0.0831759	2.23E-14	0.0108993	0.0129572	0.4002501	0.7358609	8	0.85364306
ENSG00000262874	19	CTD-2616J11.4	51891543	rs3810094	19	51892812	C	T	0.163022	0.00428297	0.0126212	0.734348	0.888718	0.109248	4.12E-16	0.00481927	0.0142139	0.7345702	0.9283834	4	0.94997803
ENSG00000254415	19	SIGLEC14	52145806	rs7250849	19	52158316	T	G	0.117296	-0.0138206	0.010917	0.205524	-0.800241	0.106947	7.29E-14	0.0172705	0.013836	0.2119463	0.09644178	10	0.73429563
ENSG00000105509	19	HAS1	52216365	rs11084112	19	52222552	A	G	0.333996	0.0038216	0.00850545	0.653207	0.322133	0.0496163	8.44E-11	0.0118634	0.0264667	0.6539801	0.7151807	6	0.9271714
ENSG00000161551	19	ZNF577	52359055	rs60088244	19	52401444	A	G	0.188867	0.00855429	0.00989565	0.387341	-0.46258	0.0601583	1.48E-14	-0.0184926	0.0215271	0.3903195	0.7068885	20	0.84859336
ENSG00000198093	19	ZNF649	52392477	rs55633023	19	52402357	G	A	0.199801	0.00703494	0.00988072	0.476473	-0.503162	0.0805433	4.18E-10	-0.0139815	0.0197644	0.4793136	0.8200651	18	0.86437113
ENSG00000269235	19	HCCAT3	52452387	rs56029016	19	52452462	A	T	0.11332	-0.0086993	0.0140929	0.53705	0.97712	0.114403	1.33E-17	-0.008903	0.0144605	0.5381098	0.6419162	17	0.88612583
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	1.05692	0.0703319	4.84E-51	0.00857495	0.00785438	0.274947	0.2551749	19	0.78643683
ENSG00000167555	19	ZNF528	52901102	rs1585207	19	52915816	C	G	0.770378	-0.0011893	0.00917112	0.896819	0.599114	0.0646341	1.87E-20	-0.0019851	0.0153093	0.8968289	0.5088598	18	0.98658093
ENSG00000198633	19	ZNF534	52932440	rs80078717	19	52928725	G	A	0.0894632	-0.017851	0.0164648	0.278279	1.21659	0.128377	2.62E-21	-0.014673	0.0136218	0.2814064	0.43472	13	0.79075254
ENSG00000167766	19	ZNF83	53097313	rs67710655	19	53121851	C	T	0.350895	-0.0162771	0.00834157	0.0510188	0.463896	0.0474382	1.39E-22	-0.0350878	0.018336	0.05567155	0.7439693	20	0.55913335
ENSG00000189190	19	ZNF600	53267448	rs7248685	19	53293419	A	G	0.285288	0.012328	0.00888674	0.165371	0.380022	0.0646713	4.20E-09	0.0324402	0.0240276	0.1769766	0.9224209	8	0.69740293
ENSG00000268225	19	CTD-2331H12.5	53365060	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.644087	0.0753108	1.21E-17	-0.0179974	0.0131002	0.1694966	0.5203532	17	0.69315968
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.69522	0.0569009	2.49E-34	-0.0166737	0.0120566	0.1666791	0.5446961	19	0.68688659
ENSG00000170954	19	ZNF415	53611132	rs7252862	19	53616373	C	T	0.083499	0.00226662	0.0137804	0.869352	0.637822	0.105164	1.32E-09	0.00355369	0.0216133	0.8693997	0.8199536	6	0.9857428
ENSG00000269001	19	ZNF818P	53716241	rs11673357	19	53700807	C	T	0.798211	-0.0108801	0.00952774	0.253481	-0.903524	0.0913334	4.48E-23	0.0120418	0.0106151	0.2566242	0.02874102	14	0.77142607
ENSG00000196417	19	ZNF765	53893046	rs141764884	19	53930906	G	A	0.128231	-0.0023434	0.0134351	0.86153	-0.721296	0.131844	4.48E-08	0.00324893	0.0186358	0.8615998	0.1081926	3	0.98554401
ENSG00000160336	19	ZNF761	53935227	rs2708789	19	53933127	T	G	0.531809	-0.001605	0.00810003	0.84293	-0.346926	0.0563544	7.45E-10	0.00462635	0.0233601	0.84301	0.4805496	11	0.98207023
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-0.959341	0.107395	4.15E-19	0.00399486	0.0107648	0.7105604	0.7041346	20	0.94355167
ENSG00000213777	19	CTD-2224J9.8	54006646	rs1284537	19	54008994	A	G	0.694831	-0.0082227	0.00879401	0.349771	-0.687701	0.104087	3.92E-11	0.0119568	0.012915	0.3545454	0.1706113	8	0.840274
ENSG00000130433	19	CACNG6	54495542	rs415129	19	54514785	A	G	0.306163	-0.0011873	0.00857498	0.889881	0.600096	0.0780143	1.45E-14	-0.0019784	0.0142917	0.8898984	0.05035089	3	0.98658093
ENSG00000170906	19	NDUFA3	54606036	rs75622830	19	54611734	G	A	0.0994036	0.00493335	0.0135927	0.71665	0.491301	0.0637023	1.23E-14	0.0100414	0.0276974	0.7169486	0.1076156	6	0.94509525
ENSG00000167608	19	TMC4	54663846	rs653560	19	54677103	G	C	0.2167	-0.0029496	0.00992907	0.766419	0.681387	0.0744164	5.37E-20	-0.0043288	0.0145795	0.7665376	0.2596354	20	0.9565588
ENSG00000170889	19	RPS9	54704610	rs67627137	19	54705912	G	C	0.420477	-0.0058065	0.00820866	0.47934	-0.381468	0.0423836	2.25E-19	0.0152215	0.021585	0.4806924	0.2549075	10	0.86450418
ENSG00000244482	19	LILRA6	54720737	rs255773	19	54723546	T	C	0.481113	0.00574047	0.00809998	0.47851	0.379031	0.067613	2.07E-08	0.0151451	0.0215403	0.4819901	0.06653481	3	0.86471979
ENSG00000268496	19	CTD-2587H19.2	54945363	rs7247170	19	54965527	C	T	0.375746	0.00482485	0.008101	0.551451	0.418625	0.0623502	1.89E-11	0.0115255	0.0194274	0.5530089	0.7196766	20	0.88908641
ENSG00000267838	19	AC008746.12	54949847	rs111257921	19	54948808	T	A	0.304175	0.00090988	0.00936767	0.922623	-0.489598	0.0624394	4.46E-15	-0.0018584	0.0191349	0.922629	0.9948108	14	0.99149195
ENSG00000022556	19	NLRP2	55464498	rs775847	19	55474189	G	C	0.646123	0.00047164	0.00844297	0.955452	0.689088	0.0836522	1.76E-16	0.00068444	0.0122527	0.955453	0.8636967	20	0.99347767
ENSG00000088053	19	GP6	55525073	rs1654409	19	55524620	G	T	0.593439	-1.62E-05	0.0083176	0.998441	0.543325	0.0875551	5.45E-10	-2.99E-05	0.0153087	0.9984413	0.8741622	18	0.99901418
ENSG00000125503	19	PPP1R12C	55602281	rs75790451	19	55637610	A	G	0.116302	-0.0033971	0.0118292	0.773975	-0.320623	0.0514427	4.59E-10	0.0105953	0.0369336	0.7742075	0.3694739	8	0.95937191
ENSG00000267577	19	CTD-2587H24.5	55670307	rs2288518	19	55710021	G	A	0.0168986	0.0234327	0.0241586	0.332072	0.742968	0.136101	4.79E-08	0.0315393	0.0330256	0.3395802	0.4167049	6	0.83407955
ENSG00000129990	19	SYT5	55682567	rs2288419	19	55693244	C	T	0.192843	-0.0072713	0.00964007	0.450682	0.192815	0.0329395	4.81E-09	-0.0377113	0.0504098	0.4544037	0.7137703	13	0.86418667
ENSG00000180089	19	TMEM86B	55738007	rs3826886	19	55741205	A	G	0.159046	-0.01077	0.0115211	0.349889	0.60644	0.0833699	3.49E-13	-0.0177594	0.0191542	0.3538323	0.4579292	7	0.840274
ENSG00000108107	19	RPL28	55896713	rs17700376	19	55897327	G	A	0.37674	0.0024536	0.008364	0.769253	-0.254046	0.0315112	7.50E-16	-0.0096581	0.032945	0.769401	0.5741673	12	0.95736588
ENSG00000090971	19	NAT14	55996371	rs11084399	19	56000492	T	C	0.414513	0.00437979	0.00829045	0.597297	-0.243192	0.0430701	1.64E-08	-0.0180096	0.034239	0.5988909	0.3859796	4	0.90385749
ENSG00000142409	19	ZNF787	56598732	rs744309	19	56630092	G	C	0.777336	0.0153277	0.00868931	0.0777374	-0.434646	0.0546912	1.91E-15	-0.0352648	0.0204782	0.0850582	0.1087587	13	0.63688834
ENSG00000267454	19	ZNF582-AS1	56905025	rs7258010	19	56905912	A	G	0.497018	-0.0024244	0.00819768	0.767432	-0.755362	0.0761461	3.41E-23	0.00320952	0.0108575	0.7675319	0.1786405	20	0.9565588
ENSG00000198046	19	ZNF667	56950694	rs10413986	19	56983930	G	A	0.15507	-0.0110619	0.0137144	0.4199	0.470418	0.0556326	2.77E-17	-0.023515	0.029286	0.4220063	0.6887568	18	0.86418667
ENSG00000166770	19	ZNF667-AS1	56988619	rs3971706	19	57006069	A	G	0.72167	-0.008557	0.00831014	0.303147	-0.52752	0.0690246	2.13E-14	0.0162212	0.0158956	0.3074974	0.06433575	19	0.81150416
ENSG00000196867	19	ZFP28	57050317	rs7260223	19	57052652	C	T	0.452286	-0.0016635	0.00828345	0.840838	-0.413356	0.0642189	1.22E-10	0.00402438	0.0200493	0.840914	0.0812994	12	0.98207023
ENSG00000269696	19	AC007228.11	57056935	rs12981980	19	57050648	A	G	0.292247	-0.0180638	0.00895414	0.0436576	0.898546	0.0836081	6.11E-27	-0.0201034	0.0101392	0.04739659	0.3299444	20	0.53621652
ENSG00000105146	19	AURKC	57742377	rs2058082	19	57734632	T	C	0.650099	-0.0109688	0.00820674	0.181366	-0.565206	0.0864338	6.19E-11	0.0194067	0.0148201	0.1903694	0.8006927	8	0.70304854
ENSG00000267871	19	CTC-444N24.6	57778588	rs76289041	19	57791639	A	G	0.197813	0.00031674	0.0114416	0.977915	0.740191	0.100011	1.35E-13	0.00042792	0.0154577	0.9779148	0.9631269	16	0.99550269
ENSG00000131845	19	ZNF304	57862675	rs862703	19	57865082	C	T	0.710736	-0.0075504	0.0086202	0.381086	0.700399	0.074667	6.58E-21	-0.0107802	0.0123611	0.3831519	0.8310594	20	0.84640362
ENSG00000186272	19	ZNF17	57922531	rs10417021	19	57950377	A	G	0.293241	0.00603627	0.00854854	0.480116	-0.686182	0.0848553	6.14E-16	-0.0087969	0.0125055	0.4817814	0.8890701	11	0.86471979
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	1.15125	0.0671945	8.41E-66	-0.0008493	0.00702574	0.9037821	0.6993865	20	0.98658093
ENSG00000268266	19	AC003005.2	57989017	rs67586127	19	57969810	G	A	0.359841	-0.0262137	0.00888697	0.00318105	-0.799295	0.0994435	9.16E-16	0.032796	0.0118436	0.00562112	0.3917832	13	0.30017552
ENSG00000105136	19	ZNF419	57999079	rs7255481	19	58010642	C	T	0.686879	-0.0021455	0.00913405	0.814292	-0.670912	0.0783829	1.13E-17	0.00319792	0.0136195	0.8143608	0.08693389	16	0.97183675
ENSG00000121406	19	ZNF549	58038693	rs2285668	19	58062274	T	C	0.271372	-0.0001998	0.00988255	0.983872	0.493202	0.0705057	2.65E-12	-0.000405	0.0200376	0.9838724	0.00666597	6	0.99595203
ENSG00000083828	19	ZNF586	58281023	rs7255898	19	58313576	A	G	0.593439	0.0152914	0.008163	0.0610323	0.478163	0.0658236	3.75E-13	0.0319795	0.0176301	0.06969046	0.3473734	20	0.59602845
ENSG00000204514	19	ZNF814	58360099	rs3745134	19	58373635	G	C	0.375746	0.0146962	0.00815356	0.0714776	-0.464929	0.0542368	1.02E-17	-0.0316096	0.0179207	0.07775586	0.5277924	20	0.61580011
ENSG00000269867	19	CTD-2583A14.8	58378406	rs7256066	19	58378690	A	G	0.27833	0.00642335	0.00848057	0.448799	0.589145	0.0861598	8.04E-12	0.0109028	0.0144827	0.451561	0.4891071	9	0.86418667
ENSG00000173480	19	ZNF417	58411664	rs28374851	19	58361328	C	G	0.289264	0.0121378	0.00832495	0.144839	0.48183	0.0732194	4.68E-11	0.025191	0.0176968	0.1545962	0.6622381	14	0.68522247
ENSG00000196724	19	ZNF418	58433252	rs3810129	19	58457316	G	C	0.259443	0.0114926	0.00850121	0.176416	-0.487862	0.0648383	5.30E-14	-0.0235571	0.0177045	0.1833296	0.2417578	14	0.69774631
ENSG00000176593	19	CTD-2368P22.1	58513429	rs3088169	19	58509356	C	G	0.704771	0.0156905	0.00885836	0.0765174	-0.656655	0.0677568	3.28E-22	-0.0238946	0.0137136	0.08143811	0.09261977	20	0.62886988
ENSG00000176293	19	ZNF135	58570607	rs1469087	19	58572979	A	G	0.859841	0.00442608	0.0110659	0.689174	0.449715	0.0821793	4.44E-08	0.00984197	0.0246721	0.6899591	0.3616185	3	0.93882557
ENSG00000121413	19	ZSCAN18	58595205	rs2260914	19	58598784	G	A	0.767396	-0.0027828	0.00916655	0.761444	0.303614	0.0519539	5.10E-09	-0.0091657	0.0302322	0.7617562	0.8766215	5	0.9549947
ENSG00000174586	19	ZNF497	58865723	rs12609654	19	58868480	T	G	0.400596	0.00012818	0.00876843	0.988336	0.278217	0.0477655	5.72E-09	0.00046073	0.0315166	0.9883364	0.5455363	14	0.99595203
ENSG00000171574	19	ZNF584	58912871	rs893187	19	58963018	G	C	0.250497	0.00595604	0.00891681	0.504162	0.40509	0.0542433	8.14E-14	0.014703	0.0220998	0.5058583	0.6454431	16	0.87364924
ENSG00000268912	19	CTD-2619J13.17	58939999	rs3764535	19	58929052	A	G	0.496024	-0.0027343	0.00804847	0.734062	-0.352958	0.0638828	3.29E-08	0.00774676	0.022846	0.7345447	0.1824055	16	0.94997803
ENSG00000269473	19	CTD-2619J13.19	58951815	rs4801582	19	58913444	G	T	0.56163	-0.0066309	0.00834051	0.426601	0.440103	0.0694633	2.36E-10	-0.0150667	0.0190999	0.4302079	0.5980429	18	0.86418667
ENSG00000083807	19	SLC27A5	58990879	rs55928441	19	59009674	C	T	0.188867	-0.0182439	0.0103674	0.0784513	0.402388	0.0726675	3.07E-08	-0.0453391	0.0270344	0.09352533	0.7848987	8	0.65086925
ENSG00000213753	19	RPL23AP79	59084870	rs895374	19	59066918	C	A	0.596421	-0.0073105	0.00848721	0.389044	0.514771	0.039694	1.85E-38	-0.0142014	0.0165237	0.3900874	0.7151014	20	0.84859336
ENSG00000269600	19	AC016629.3	59105263	rs11673465	19	59038895	C	T	0.245527	-0.0103433	0.00961633	0.282108	-0.765094	0.116566	5.25E-11	0.013519	0.0127365	0.2884901	0.259217	15	0.79696454
ENSG00000101255	20	TRIB3	361261	rs11698987	20	355167	G	A	0.423459	0.00702825	0.00811024	0.386167	0.719009	0.0789878	8.80E-20	0.00977491	0.0113307	0.3883084	0.8346992	19	0.84859336
ENSG00000101282	20	RSPO4	939095	rs6056640	20	1000179	C	A	0.776342	-0.0076219	0.0103654	0.462144	-0.567593	0.0955179	2.81E-09	0.0134284	0.0184013	0.4655409	0.3324708	4	0.86418667
ENSG00000125818	20	PSMF1	1093906	rs6074148	20	1098486	T	C	0.71173	-0.0017611	0.00881128	0.841582	0.418402	0.0607872	5.86E-12	-0.0042091	0.0210682	0.8416482	0.6996305	7	0.98207023
ENSG00000101307	20	SIRPB1	1544167	rs6136377	20	1896288	G	A	0.374751	-0.0020542	0.00836397	0.805994	1.23834	0.0754102	1.34E-60	-0.0016588	0.00675493	0.8060151	0.9999929	20	0.96661161
ENSG00000230839	20	RP5-968J1.1	1784662	rs127903	20	1786726	G	T	0.658052	-0.0165746	0.00832984	0.0466144	0.469328	0.0677751	4.37E-12	-0.0353156	0.0184666	0.05582463	0.08098394	4	0.55913335
ENSG00000101365	20	IDH3B	2639041	rs6115368	20	2640488	C	T	0.0715706	0.013971	0.0147658	0.344061	-0.294477	0.051647	1.19E-08	-0.0474434	0.0508282	0.3506092	0.6561239	4	0.840274
ENSG00000185019	20	UBOX5	3088219	rs857251	20	3116192	C	T	0.470179	0.0209102	0.0082841	0.0115985	0.32658	0.0552042	3.30E-09	0.0640278	0.0275787	0.02025233	0.6889924	8	0.39720015
ENSG00000125877	20	ITPA	3189514	rs7270101	20	3193893	C	A	0.129225	-0.0024956	0.0146584	0.864813	-1.03904	0.0903758	1.37E-30	0.00240183	0.0141092	0.8648278	0.2436965	20	0.98554401
ENSG00000088854	20	C20orf194	3229951	rs6084342	20	3325992	A	G	0.529821	0.00351126	0.00805997	0.663097	-0.353103	0.0616987	1.05E-08	-0.009944	0.0228922	0.6640088	0.03779974	4	0.93125308
ENSG00000101224	20	CDC25B	3767578	rs3761220	20	3776400	G	C	0.227634	0.00019289	0.00945312	0.98372	-0.423994	0.0753863	1.86E-08	-0.0004549	0.0222956	0.9837202	0.7327425	5	0.99595203
ENSG00000101236	20	RNF24	3907956	rs6116153	20	3996208	T	C	0.446322	-0.0211003	0.00807461	0.00897078	-0.409074	0.0507202	7.30E-16	0.0515806	0.020749	0.01292099	0.08476504	20	0.3603961
ENSG00000171873	20	ADRA1D	4201329	rs835874	20	4203219	A	G	0.542744	0.01326	0.00811669	0.102328	-0.327069	0.0493321	3.36E-11	-0.0405419	0.0255587	0.1126883	0.00931834	9	0.65446569
ENSG00000089063	20	TMEM230	5080486	rs2715	20	5081049	C	T	0.548708	0.00115186	0.00814015	0.887472	0.427402	0.0563259	3.25E-14	0.00269503	0.019049	0.8874916	0.3176762	14	0.98658093
ENSG00000101290	20	CDS2	5107432	rs6053188	20	5174039	T	C	0.457256	-0.0074023	0.00826433	0.37042	0.441065	0.045524	3.37E-22	-0.0167827	0.0188171	0.3724554	0.5359212	19	0.84201444
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	1.09852	0.10209	5.30E-27	0.00297697	0.00898172	0.7403065	0.5578744	13	0.94997803
ENSG00000205181	20	LINC00654	5476713	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	0.9545	0.123933	1.34E-14	0.0174331	0.0160265	0.2766992	0.5354355	5	0.78684318
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.665352	0.0851721	5.64E-15	0.00479941	0.0148472	0.7465024	0.1844647	19	0.95189833
ENSG00000125827	20	TMX4	7957995	rs6055494	20	8022355	T	G	0.408549	0.00486994	0.00816215	0.550742	0.194391	0.0302332	1.28E-10	0.0250523	0.0421687	0.5524474	0.6870393	16	0.88897244
ENSG00000101247	20	NDUFAF5	13765596	rs56024260	20	13708796	G	A	0.112326	0.00021645	0.0121629	0.985802	0.323118	0.0590759	4.51E-08	0.00066987	0.0376425	0.985802	0.2401596	5	0.99595203
ENSG00000089177	20	KIF16B	16252749	rs6044104	20	16525962	A	G	0.525845	-0.0084742	0.00814493	0.298142	0.320227	0.0518965	6.81E-10	-0.0264631	0.0257939	0.3049172	0.201446	13	0.81037998
ENSG00000101310	20	SEC23B	18488137	rs2281576	20	18488754	C	G	0.922465	0.00830304	0.0139559	0.551878	-0.893804	0.096768	2.55E-20	-0.0092896	0.0156464	0.5527007	0.8658159	20	0.88897244
ENSG00000232388	20	LINC00493	18548064	rs6136437	20	18596424	C	T	0.111332	-0.0026978	0.0120199	0.82241	-0.620267	0.0927593	2.28E-11	0.00434947	0.0193895	0.8225078	0.08089676	20	0.9734958
ENSG00000089101	20	C20orf26	20033158	rs6075607	20	20033755	T	C	0.487078	0.0148843	0.00809946	0.0661089	-0.526859	0.0747959	1.87E-12	-0.028251	0.0158877	0.07537551	0.2001695	15	0.6111616
ENSG00000230387	20	RP4-737E23.2	23168765	rs2050735	20	23229291	A	T	0.853877	-0.0069638	0.0138707	0.615633	0.487483	0.0848031	9.01E-09	-0.0142852	0.028562	0.6169724	0.3394835	6	0.9124274
ENSG00000225056	20	RP11-218C14.5	23635862	rs2424590	20	23636980	T	C	0.849901	0.0110096	0.010657	0.301563	-0.700459	0.0951082	1.77E-13	-0.0157177	0.0153633	0.3062747	0.7594529	8	0.81106962
ENSG00000100987	20	VSX1	25051521	rs1005409	20	25044023	T	G	0.188867	-0.014861	0.0104773	0.156074	-0.555551	0.0645284	7.34E-18	0.02675	0.0191135	0.1616531	0.7454001	13	0.68549033
ENSG00000230725	20	RP4-738P15.1	25121425	rs6050363	20	25124088	A	G	0.667992	-0.0117906	0.0083527	0.158071	-0.387614	0.0597733	8.89E-11	0.0304184	0.0220536	0.167805	0.9057045	16	0.68831561
ENSG00000100997	20	ABHD12	25275379	rs2387882	20	25378802	T	C	0.564612	0.00358845	0.00809472	0.657543	-0.336805	0.0383072	1.47E-18	-0.0106544	0.0240644	0.6579501	0.6874281	20	0.92831679
ENSG00000175170	20	FAM182B	25744102	rs2424750	20	25978849	A	C	0.599404	-0.0112209	0.00822069	0.172267	0.804579	0.0909243	8.84E-19	-0.0139463	0.0103382	0.1773357	0.1911202	20	0.69740293
ENSG00000125804	20	FAM182A	26035291	rs2489733	20	26106445	A	G	0.663022	-0.0120687	0.00855253	0.158208	-0.928748	0.0955082	2.38E-22	0.0129946	0.00930512	0.1625642	0.8607028	20	0.68549033
ENSG00000205611	20	RP4-610C12.4	29513582	rs2424851	20	29567314	C	T	0.491054	-0.0189348	0.00807672	0.0190594	0.51146	0.0800089	1.63E-10	-0.0370211	0.0168199	0.02773443	0.9408746	20	0.43604346
ENSG00000198547	20	C20orf203	31219428	rs57002855	20	31306861	A	G	0.248509	-0.0056408	0.00946763	0.551308	0.712843	0.0742763	8.22E-22	-0.0079132	0.0133071	0.5520721	0.2072619	20	0.88897244
ENSG00000149600	20	COMMD7	31290493	rs4911106	20	31331330	G	A	0.408549	0.00819629	0.00809415	0.311243	0.274004	0.047975	1.12E-08	0.029913	0.030001	0.318731	0.5951172	5	0.81665079
ENSG00000101460	20	MAP1LC3A	33134658	rs819140	20	32915754	G	A	0.49503	-0.0010415	0.00813528	0.898135	-0.294665	0.0322218	5.97E-20	0.00353442	0.0276113	0.8981439	0.3421053	20	0.98658093
ENSG00000088298	20	EDEM2	33703167	rs3818253	20	33596876	A	G	0.194831	0.00298837	0.0100165	0.765441	-0.423517	0.068412	5.99E-10	-0.0070561	0.0236782	0.765704	0.7777363	20	0.9565588
ENSG00000126005	20	MMP24-AS1	33804265	rs2297789	20	33867248	T	A	0.200795	0.0204524	0.00965069	0.0340675	-0.847529	0.0702868	1.76E-33	-0.0241318	0.0115614	0.0368632	0.6849081	18	0.4779761
ENSG00000224497	20	RPL36P4	34132175	rs45563939	20	34136791	T	C	0.149105	0.00100932	0.0140336	0.942664	1.35952	0.110356	7.13E-35	0.00074241	0.0103226	0.9426652	0.5484278	20	0.99347767
ENSG00000214078	20	CPNE1	34213953	rs6060643	20	34449851	T	C	0.107356	0.00892148	0.0146532	0.542628	-1.09799	0.0932086	4.95E-32	-0.0081253	0.0133633	0.5431675	0.5565094	20	0.88612583
ENSG00000149636	20	DSN1	35380194	rs115694726	20	35423437	A	G	0.0407555	0.0302212	0.0206205	0.14276	-0.875142	0.128118	8.45E-12	-0.0345329	0.0240987	0.1518642	0.2130028	8	0.68129736
ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.13714	0.0892034	3.21E-37	0.00348373	0.00971751	0.7199689	0.2951882	20	0.94509525
ENSG00000196756	20	SNHG17	37049235	rs788346	20	37059749	T	G	0.159046	0.0114051	0.0110917	0.303828	1.26156	0.0907343	6.00E-44	0.00904047	0.00881606	0.3051486	0.7202302	20	0.81037998
ENSG00000101452	20	DHX35	37590942	rs56660421	20	37559329	T	G	0.331014	-0.0039411	0.00952633	0.679088	-0.361662	0.0655806	3.49E-08	0.0108972	0.0264144	0.6799372	0.2740715	7	0.93372697
ENSG00000132793	20	LPIN3	39969560	rs4812497	20	39970573	C	T	0.253479	0.00407998	0.00881695	0.643548	0.275288	0.0413189	2.69E-11	0.0148208	0.0321053	0.6443462	0.02725906	15	0.92308109
ENSG00000101076	20	HNF4A	42984340	rs6073435	20	43053588	T	A	0.594433	-0.0075227	0.00824407	0.361506	0.570068	0.0654927	3.20E-18	-0.0131961	0.0145408	0.3641298	0.4350062	9	0.840274
ENSG00000101104	20	PABPC1L	43538703	rs2072726	20	43538597	T	G	0.287276	-0.0295187	0.00940449	0.00169648	-0.474767	0.0625884	3.31E-14	0.0621751	0.0214375	0.00372805	0.8912991	4	0.27595415
ENSG00000101443	20	WFDC2	44098346	rs6032209	20	44087073	C	T	0.220676	0.0119314	0.00923657	0.196443	-0.514002	0.079938	1.28E-10	-0.0232127	0.0183289	0.2053509	0.1691119	5	0.72835256
ENSG00000124116	20	WFDC3	44376583	rs390386	20	44438974	T	G	0.652087	-0.0065932	0.00853082	0.439601	1.10668	0.082204	2.60E-41	-0.0059576	0.00772117	0.4403541	0.09929523	20	0.86418667
ENSG00000062598	20	ELMO2	44994688	rs24236	20	45092859	T	C	0.143141	-0.0195455	0.0130951	0.135545	0.371225	0.0672195	3.34E-08	-0.0526514	0.036541	0.1496175	0.2900331	3	0.68107362
ENSG00000225849	20	MKRN7P	45092541	rs6011967	20	45095161	C	T	0.0596421	-0.0003255	0.0182511	0.98577	1.14757	0.168635	1.01E-11	-0.0002837	0.0159042	0.9857701	0.2715494	6	0.99595203
ENSG00000198185	20	ZNF334	45129701	rs847055	20	45142619	T	A	0.209742	0.0145834	0.0101195	0.149553	0.368399	0.0648957	1.37E-08	0.0395859	0.0283402	0.1624701	0.336209	3	0.68549033
ENSG00000158296	20	SLC13A3	45186463	rs440744	20	45199242	T	C	0.815109	-0.0026604	0.0115251	0.817445	-0.602224	0.0810853	1.11E-13	0.00441758	0.0191468	0.8175313	0.3648991	8	0.97249977
ENSG00000231742	20	RP11-112L6.4	48789087	rs6122883	20	48789373	G	A	0.345924	0.00637556	0.00847788	0.452037	0.900119	0.0851327	3.97E-26	0.00708302	0.00944242	0.4531777	0.6701879	18	0.86418667
ENSG00000019186	20	CYP24A1	52769988	rs2248137	20	52789743	G	C	0.404573	-0.0048393	0.00840198	0.564639	-0.708034	0.0777786	8.77E-20	0.00683477	0.0118904	0.5654157	0.2514413	17	0.89726458
ENSG00000124164	20	VAPB	56964178	rs6015262	20	56964925	T	C	0.255467	0.0099374	0.00915653	0.277798	0.249968	0.0433725	8.25E-09	0.0397547	0.0372746	0.2861819	0.0249975	3	0.79641232
ENSG00000215440	20	NPEPL1	57264187	rs6015338	20	57266134	A	G	0.114314	0.00013892	0.0148764	0.992549	-0.525572	0.0680732	1.16E-14	-0.0002643	0.0283052	0.9925494	0.1178171	13	0.99608599
ENSG00000101158	20	NELFCD	57556263	rs17851253	20	57564695	T	C	0.119284	0.00182028	0.0108145	0.866332	-0.528537	0.07702	6.77E-12	-0.003444	0.0204674	0.8663726	0.7319989	6	0.98554401
ENSG00000101181	20	MTG2	60758085	rs6062133	20	60768615	A	G	0.135189	-0.0132231	0.0104603	0.206189	0.819407	0.0766976	1.21E-26	-0.0161374	0.0128547	0.2093462	0.599439	20	0.73192759
ENSG00000226332	20	RP11-157P1.4	60880488	rs6142731	20	60821064	A	G	0.22664	0.0154753	0.0106444	0.145991	0.404766	0.0725039	2.37E-08	0.0382327	0.0271748	0.1594514	0.5198102	9	0.68549033
ENSG00000130701	20	RBBP8NL	60985293	rs4925233	20	60998081	C	T	0.446322	0.00028835	0.0080671	0.971486	0.942408	0.0795283	2.15E-32	0.00030598	0.00856013	0.9714863	0.8576163	9	0.99471489
ENSG00000060491	20	OGFR	61436187	rs13038939	20	61443636	A	G	0.254473	0.00996366	0.00974466	0.306556	-0.363488	0.0518469	2.37E-12	-0.0274112	0.0270924	0.3116479	0.3899415	20	0.81435501
ENSG00000101190	20	TCFL5	61472467	rs1046789	20	61472596	A	G	0.274354	0.0203559	0.0091488	0.0260825	0.517287	0.0613912	3.57E-17	0.0393513	0.0182923	0.03145695	0.2151545	11	0.45851259
ENSG00000101191	20	DIDO1	61509090	rs1077416	20	61507951	T	C	0.22664	0.0131255	0.00957558	0.170461	-0.297493	0.0535142	2.71E-08	-0.0441204	0.0331516	0.1832329	0.2707974	7	0.69774631
ENSG00000231133	20	HAR1B	61726845	rs750697	20	61735419	A	G	0.247515	-0.0148074	0.00944264	0.116848	-0.599828	0.0856648	2.52E-12	0.0246861	0.0161322	0.1259583	0.3806097	7	0.66459844
ENSG00000225978	20	HAR1A	61733483	rs750697	20	61735419	A	G	0.247515	-0.0148074	0.00944264	0.116848	-0.772977	0.0707458	8.65E-28	0.0191563	0.0123411	0.1206057	0.3442429	17	0.66369299
ENSG00000101198	20	NKAIN4	61872136	rs77240833	20	61893131	T	C	0.116302	-0.0238402	0.0144782	0.0996346	0.719971	0.0830254	4.26E-18	-0.0331127	0.0204687	0.1057227	0.7064061	19	0.65086925
ENSG00000101213	20	PTK6	62159778	rs78337647	20	62138334	T	C	0.0536779	-0.0331348	0.0117186	0.00469083	-0.856547	0.156594	4.50E-08	0.0386842	0.0154011	0.01201215	0.6086572	8	0.3603961
ENSG00000197457	20	STMN3	62271061	rs6423444	20	62272411	A	G	0.307157	0.0149418	0.00901917	0.0975866	0.195852	0.0296354	3.88E-11	0.0762913	0.0474758	0.1080653	0.2032903	20	0.65086925
ENSG00000101246	20	ARFRP1	62329996	rs6062509	20	62362563	T	G	0.72167	-0.0042712	0.00920697	0.642714	0.259891	0.0418731	5.41E-10	-0.0164345	0.0355251	0.6436383	0.8290855	13	0.92308109
ENSG00000130584	20	ZBTB46	62375019	rs6062546	20	62459171	T	C	0.365805	0.00982824	0.00851957	0.248661	0.332842	0.0567824	4.58E-09	0.0295282	0.0260874	0.2576783	0.1124415	13	0.772639
ENSG00000196700	20	ZNF512B	62588055	rs11698179	20	62416358	G	A	0.0984095	0.0220038	0.0139512	0.114751	0.312389	0.0570951	4.47E-08	0.0704372	0.0464782	0.1296487	0.05161938	3	0.66823977
ENSG00000149656	20	LINC00266-1	62921738	rs117793083	20	62911605	A	G	0.05666	0.0569029	0.019809	0.00407136	1.12338	0.172238	6.93E-11	0.0506533	0.0192679	0.00856619	0.8310469	3	0.31636303
ENSG00000228314	21	CYP4F29P	15215454	rs71330942	21	15312788	T	C	0.0596421	0.0207547	0.0224143	0.354467	1.53925	0.21794	1.63E-12	0.0134836	0.0146864	0.3585659	0.3419912	6	0.840274
ENSG00000215559	21	ANKRD20A11P	15281895	rs11701072	21	15352691	T	C	0.28827	0.0112765	0.00863359	0.191514	0.740018	0.105354	2.15E-12	0.0152381	0.0118667	0.1991042	0.5095711	3	0.71998228
ENSG00000224905	21	AP001347.6	15399742	rs12627691	21	15455625	A	G	0.314115	0.00426462	0.00860627	0.620229	0.626124	0.0878671	1.03E-12	0.00681114	0.0137785	0.6210724	0.8060924	15	0.91443861
ENSG00000224924	21	LINC00320	22114908	rs8131245	21	22116149	A	C	0.0815109	0.0083757	0.0118954	0.481362	0.395896	0.0700096	1.56E-08	0.0211563	0.0302788	0.4847289	0.7301592	8	0.86714158
ENSG00000273492	21	AP000230.1	27543189	rs457581	21	27594480	A	G	0.238569	-0.0083468	0.00930417	0.369665	1.11079	0.0863039	6.58E-38	-0.0075143	0.0083965	0.3708247	0.1484152	20	0.84066019
ENSG00000156239	21	N6AMT1	30244513	rs2776210	21	30268558	G	A	0.671968	0.0023748	0.00886506	0.788789	0.488097	0.0510083	1.08E-21	0.00486543	0.0181696	0.78887	0.01189094	20	0.96301985
ENSG00000156253	21	RWDD2B	30376705	rs6516886	21	30393664	T	A	0.712724	-0.0216312	0.0106884	0.0429903	-0.773448	0.0622665	2.00E-35	0.0279672	0.0140014	0.04577483	0.3956241	20	0.5259893
ENSG00000142207	21	URB1	33683329	rs11909249	21	33784580	T	C	0.0815109	0.0206885	0.0206263	0.315853	0.699022	0.10495	2.73E-11	0.0295964	0.0298401	0.3212793	0.1897406	3	0.8185229
ENSG00000242220	21	TCP10L	33948862	rs2833903	21	33940819	T	C	0.184891	0.00194631	0.00975663	0.841883	-0.577671	0.0843746	7.57E-12	-0.0033692	0.0168968	0.8419489	0.5651576	20	0.98207023

ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.694205	0.0682519	2.67E-24	-0.0228095	0.0127017	0.07252827	0.09902966	6	0.6064529
ENSG00000142188	21	TMEM50B	34804792	rs2834223	21	34825147	A	C	0.446322	0.0130874	0.00805026	0.10401	-0.438301	0.044849	1.47E-22	-0.0298594	0.0186194	0.1087859	0.897357	20	0.65086925
ENSG00000177692	21	DNAJC28	34860497	rs113299171	21	34857469	C	T	0.270378	-0.0062676	0.00896404	0.48443	0.463772	0.0742467	4.20E-10	-0.0135144	0.0194493	0.4871468	0.9668982	16	0.86806745
ENSG00000241837	21	ATP5O	35275757	rs2834297	21	35282838	G	T	0.476143	-0.0091421	0.00812685	0.260623	0.264541	0.0351001	4.82E-14	-0.0345582	0.0310609	0.2658822	0.448906	20	0.78056013
ENSG00000185917	21	SETD4	37406839	rs4817761	21	37395556	T	C	0.304175	-0.0008152	0.00895889	0.927495	-0.446762	0.0604435	1.45E-13	0.00182476	0.0200545	0.9275004	0.279942	20	0.99242261
ENSG00000159228	21	CBR1	37442239	rs2156407	21	37447711	G	A	0.718688	0.0110382	0.00907035	0.223622	-0.299492	0.039518	3.49E-14	-0.0368564	0.0306738	0.2295334	0.8441169	20	0.74543747
ENSG00000233393	21	AP000688.29	37477179	rs68167861	21	37472897	C	T	0.256461	-0.0164873	0.00955106	0.0843063	0.329396	0.0578853	1.27E-08	-0.0500531	0.0303005	0.09855622	0.5199505	16	0.65086925
ENSG00000159231	21	CBR3	37507210	rs4599214	21	37520543	C	T	0.353877	0.00843589	0.00876275	0.335699	-0.527769	0.0715382	1.61E-13	-0.0159841	0.0167441	0.3397772	0.2564647	9	0.83407955
ENSG00000159267	21	HLCS	38123189	rs56202557	21	38364694	T	C	0.217694	0.00080569	0.00938988	0.931622	0.557218	0.0958746	6.18E-09	0.00144592	0.0168532	0.9316295	0.5212229	20	0.99347767
ENSG00000224790	21	AP000704.5	38338812	rs28610288	21	38348125	C	A	0.430417	0.00929435	0.00807933	0.249984	-0.953066	0.0792387	2.54E-33	-0.0097521	0.00851588	0.2521428	0.2911507	20	0.76610014
ENSG00000185808	21	PIGP	38431470	rs3753073	21	38466615	G	A	0.474155	0.00175215	0.00833918	0.833581	-0.438906	0.0645532	1.05E-11	-0.0039921	0.019009	0.8336596	0.2492025	12	0.9781418
ENSG00000182670	21	TTC3	38445526	rs6517404	21	38494918	A	G	0.484095	0.00282311	0.00826668	0.732723	0.393594	0.0330653	1.13E-32	0.00717264	0.0210117	0.7328294	0.354177	20	0.94997803
ENSG00000157542	21	KCNJ6	38979678	rs857977	21	38999236	T	C	0.218688	0.00594032	0.0102126	0.560791	0.263	0.0447118	4.05E-09	0.0225868	0.0390206	0.5626954	0.1228915	7	0.89490604
ENSG00000183527	21	PSMG1	40546695	rs2836931	21	40546569	G	T	0.481113	-0.0168454	0.00813119	0.0382931	0.230265	0.0383049	1.84E-09	-0.0731566	0.0373505	0.05015384	0.1187626	11	0.54456894
ENSG00000255568	21	BRWD1-IT2	40685887	rs2836946	21	40596763	A	G	0.11829	0.00092567	0.0120031	0.938529	0.753546	0.124193	1.30E-09	0.00122842	0.0159301	0.9385336	0.6817014	9	0.99347767
ENSG00000157578	21	LCA5L	40777770	rs13051054	21	40817507	A	C	0.519881	0.00441857	0.0080654	0.5838	-0.834712	0.0758147	3.42E-28	-0.0052935	0.00967445	0.5842649	0.00948224	20	0.89957103
ENSG00000184809	21	C21orf88	40969074	rs602006	21	40996436	C	T	0.292247	-0.0040351	0.00951603	0.671543	-0.432621	0.0780225	2.94E-08	0.0093271	0.0220605	0.6724431	0.3418415	7	0.93364413
ENSG00000183036	21	PCP4	41239243	rs2276520	21	41258505	A	G	0.212724	0.00332893	0.0118213	0.778248	-0.45401	0.0695033	6.48E-11	-0.0073323	0.0260617	0.7784473	0.1128779	5	0.95939787
ENSG00000141956	21	PRDM15	43218385	rs143393748	21	43298846	T	C	0.12326	-0.0021272	0.0141624	0.880606	0.540641	0.0854163	2.46E-10	-0.0039346	0.0262029	0.8806398	0.273542	10	0.98658093
ENSG00000184385	21	C21orf128	43522244	rs12627413	21	43526510	G	C	0.277336	0.00944561	0.00892842	0.290089	0.672928	0.0699911	6.95E-22	0.0140366	0.0133481	0.2929926	0.07518774	11	0.80043284
ENSG00000160188	21	RSPH1	43892596	rs9979100	21	43913370	A	G	0.369781	0.0164024	0.00832898	0.0489159	0.396197	0.0690249	9.47E-09	0.0413996	0.0222252	0.06249981	0.377336	14	0.58095357
ENSG00000235772	21	AP001625.6	43980484	rs2138328	21	43976103	T	G	0.207753	-0.0099574	0.00934324	0.286545	-0.849046	0.0961512	1.04E-18	0.0117277	0.0110843	0.2900308	0.568271	14	0.79710593
ENSG00000235023	21	AP001626.2	44068381	rs11700952	21	44066069	T	C	0.369781	9.66E-05	0.0080862	0.990467	-0.575232	0.092922	6.00E-10	-0.000168	0.0140573	0.9904672	0.7901013	3	0.99595203
ENSG00000160200	21	CBS	44473301	rs234728	21	44448775	A	G	0.372763	0.00043497	0.0081349	0.957358	-0.849536	0.0910442	1.05E-20	-0.000512	0.00957585	0.9573589	0.696549	20	0.99347767
ENSG00000241945	21	PWP2	45527171	rs9981485	21	45515366	G	A	0.17992	0.00099668	0.0108812	0.927018	1.2331	0.10148	5.66E-34	0.00080827	0.00882451	0.9270205	0.2002344	17	0.99242261
ENSG00000160221	21	C21orf33	45553487	rs35985715	21	45490684	A	G	0.161034	-0.0074208	0.011636	0.523639	1.30067	0.101767	2.10E-37	-0.0057054	0.00895729	0.5241558	0.1033594	19	0.88339004
ENSG00000160223	21	ICOSLG	45642874	rs71322544	21	45359824	C	G	0.084493	-0.0098192	0.0129242	0.447404	-0.944545	0.15684	1.72E-09	0.0103957	0.0137914	0.4509828	0.5356959	3	0.86418667
ENSG00000141959	21	PFKL	45719934	rs2838545	21	45723683	C	T	0.166004	0.0023222	0.00984195	0.813472	-0.49637	0.0648493	1.95E-14	-0.0046784	0.0198373	0.813559	0.9662803	15	0.97149889
ENSG00000160226	21	C21orf2	45748827	rs58670754	21	45759746	A	T	0.238569	-0.0036722	0.0100432	0.714633	0.565997	0.054777	5.01E-25	-0.006488	0.0177554	0.7148041	0.1364064	9	0.94509525
ENSG00000142185	21	TRPM2	45770046	rs7278527	21	45793962	C	T	0.178926	-0.003886	0.00914726	0.670967	-0.275691	0.040018	5.61E-12	0.0140953	0.0332424	0.6715535	0.5857949	12	0.93310067
ENSG00000184787	21	UBE2G2	46188955	rs428428	21	46219184	T	C	0.15507	0.00227654	0.0162691	0.888715	0.477869	0.0673084	1.25E-12	0.00476394	0.0340517	0.8887365	0.9396819	10	0.98658093
ENSG00000227039	21	ITGB2-AS1	46340966	rs2014191	21	46350534	G	C	0.385686	-0.0010223	0.00835254	0.902588	0.435016	0.0680084	1.59E-10	-0.00235	0.019204	0.9026058	0.8358958	5	0.98658093
ENSG00000273027	21	LL21NC02-1C16.1	46349568	rs8134646	21	46376528	C	A	0.5	0.0087102	0.00806622	0.280215	0.384014	0.0703254	4.75E-08	0.022682	0.0214118	0.2894531	0.4249298	12	0.79710593
ENSG00000183250	21	C21orf67	46352729	rs883907	21	46406404	C	T	0.620278	0.00646709	0.00839287	0.440976	0.457157	0.0538114	1.97E-17	0.0141463	0.0184342	0.4428463	0.7428815	19	0.86418667
ENSG00000235374	21	SSR4P1	46491648	rs2838769	21	46492270	A	G	0.16998	-0.0111579	0.00900544	0.215341	0.706246	0.104564	1.44E-11	-0.0157989	0.0129639	0.2229649	0.1405596	9	0.74274316
ENSG00000215447	21	BX322557.10	46707967	rs2838867	21	46713092	T	C	0.294235	0.0136848	0.0091233	0.13362	-0.651481	0.0511155	3.31E-37	-0.0210057	0.0141006	0.1363025	0.2959115	20	0.67926006
ENSG00000223768	21	LINC00205	46713200	rs2838867	21	46713092	T	C	0.294235	0.0136848	0.0091233	0.13362	-1.09003	0.0691841	6.30E-56	-0.0125545	0.00840762	0.1353766	0.3165192	20	0.67869568
ENSG00000142156	21	COL6A1	47401651	rs13053065	21	47420723	C	G	0.270378	-0.0014052	0.00908287	0.877051	0.49069	0.0666129	1.75E-13	-0.0028637	0.0185145	0.8770778	0.6714722	20	0.98658093
ENSG00000160282	21	FTCD	47556176	rs4818827	21	47593484	A	G	0.754473	0.00898747	0.0110121	0.414416	0.816547	0.0736093	1.36E-28	0.0110067	0.0135226	0.4156765	0.8435521	20	0.86418667
ENSG00000237338	21	FTCD-AS1	47571528	rs13046169	21	47593110	G	A	0.777336	0.0102114	0.0111733	0.360761	0.537673	0.0773997	3.74E-12	0.0189918	0.0209599	0.3648813	0.4317621	18	0.840274
ENSG00000160284	21	SPATC1L	47581062	rs12482934	21	47605335	T	C	0.0795229	-0.0202182	0.0139903	0.148414	-0.992214	0.129939	2.24E-14	0.0203769	0.0143504	0.1556215	0.2642166	20	0.68549033
ENSG00000160285	21	LSS	47608055	rs9974665	21	47633789	G	C	0.418489	-0.0023691	0.0083914	0.777694	0.301215	0.0537489	2.09E-08	-0.0078652	0.0278938	0.7779678	0.5850823	20	0.95939787
ENSG00000182362	21	YBEY	47706251	rs62224180	21	47726332	G	C	0.785288	-0.0182852	0.00947401	0.0536019	-1.02479	0.0903797	8.44E-30	0.0178429	0.0093778	0.05708346	0.5010505	20	0.56431793
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.09936	0.0854941	7.67E-38	0.0144028	0.00851551	0.09076728	0.5082063	20	0.64948716
ENSG00000273203	22	AC006946.16	17548711	rs17806974	22	17539129	A	G	0.125249	0.00709853	0.0109047	0.515073	-0.723678	0.12904	2.04E-08	-0.009809	0.0151696	0.5178784	0.2040837	8	0.88100476
ENSG00000177663	22	IL17RA	17565844	rs947822	22	17529814	C	T	0.586481	-0.015832	0.00818026	0.052942	0.459912	0.05328	6.03E-18	-0.034424	0.0182282	0.05895825	0.6115221	20	0.56431793
ENSG00000235478	22	AC006946.15	17602476	rs75620172	22	17614498	A	G	0.0457256	-0.0156712	0.0185973	0.399417	-0.881238	0.113495	8.19E-15	0.0177832	0.0212275	0.4021762	0.1222223	17	0.85364306
ENSG00000093072	22	CECR1	17660194	rs1807518	22	17685358	T	C	0.489066	-0.011438	0.00809526	0.157679	0.47037	0.0542246	4.15E-18	-0.024317	0.0174372	0.1631524	0.7057784	14	0.68549033
ENSG00000015475	22	BID	18216906	rs11704728	22	18130209	T	C	0.164016	-0.0143525	0.00980992	0.14345	-0.41087	0.0615856	2.53E-11	0.034932	0.0244434	0.1529757	0.108915	20	0.68285656
ENSG00000237517	22	DGCR5	18958027	rs2540626	22	18954191	C	T	0.322068	-0.0055612	0.0094633	0.55676	-0.427923	0.0558295	1.79E-14	0.0129958	0.0221794	0.5579151	0.5216803	17	0.89085676
ENSG00000271275	22	AC007326.9	18984651	rs28757280	22	19009723	C	A	0.286282	0.0142016	0.00868107	0.101854	0.523908	0.0754848	3.91E-12	0.027107	0.0170239	0.1113187	0.1222948	19	0.65086925
ENSG00000273032	22	DGCR9	19005347	rs79146786	22	19011095	G	A	0.170974	0.00951521	0.00981478	0.332307	0.46234	0.0565311	2.87E-16	0.0205805	0.0213771	0.3356794	0.03971755	20	0.83170639
ENSG00000273164	22	DGCR10	19010569	rs2871006	22	19008108	T	G	0.302187	0.0140986	0.00864805	0.103046	-1.0271	0.0757688	7.33E-42	-0.0137266	0.00848054	0.1055333	0.2437338	20	0.65086925
ENSG00000070413	22	DGCR2	19023795	rs2238737	22	19047579	T	C	0.185885	0.0169153	0.0110347	0.125295	0.380787	0.0449515	2.43E-17	0.0444219	0.0294493	0.131447	0.02451572	17	0.67084532
ENSG00000273311	22	DGCR11	19033675	rs5993483	22	19041896	A	C	0.354871	0.0198361	0.00883859	0.0248159	0.475438	0.0666796	1.00E-12	0.0417217	0.0194896	0.03229636	0.1589589	12	0.45862237
ENSG00000070371	22	CLTCL1	19166986	rs3747061	22	19279221	G	C	0.083499	0.00967585	0.0192155	0.614582	1.22719	0.123336	2.52E-23	0.00788456	0.0156782	0.6150343	0.141229	15	0.91011526
ENSG00000185065	22	AC000068.5	19435416	rs2285334	22	19365286	C	T	0.181909	-0.006006	0.00981758	0.540697	-0.808361	0.118351	8.48E-12	0.00742985	0.0121937	0.542312	0.3346767	9	0.88612583
ENSG00000185838	22	GNB1L	19770747	rs3788304	22	19840196	G	C	0.201789	-0.0176159	0.0104327	0.0913103	0.401617	0.069703	8.32E-09	-0.0438624	0.0270692	0.1051505	0.1078051	6	0.65086925
ENSG00000215012	22	C22orf29	19833661	rs75127693	22	19835110	T	C	0.223658	-1.80E-05	0.00944183	0.998481	-0.361625	0.0545235	3.30E-11	4.97E-05	0.0261095	0.9984808	0.1909835	15	0.99901418
ENSG00000184470	22	TXNRD2	19863040	rs73148965	22	19872935	A	G	0.151093	0.0174063	0.0139865	0.213313	-0.67816	0.0664563	1.89E-24	-0.025667	0.020777	0.2166987	0.1434418	18	0.74057669
ENSG00000232926	22	AC000078.5	19874812	rs16984299	22	19863593	C	T	0.152087	0.0206311	0.0138366	0.135948	0.548235	0.0968525	1.51E-08	0.0376319	0.0260994	0.1493395	0.08323927	9	0.68107362
ENSG00000236540	22	AC006547.13	20050503	rs452981	22	20055100	G	A	0.38171	0.00212503	0.00819833	0.795478	-0.323429	0.0568029	1.24E-08	-0.0065703	0.0253744	0.7956857	0.2748658	5	0.965513
ENSG00000234409	22	AC006547.14	20135950	rs4819869	22	20141062	A	C	0.319085	0.00519734	0.00856362	0.543911	0.306322	0.0538203	1.26E-08	0.0169669	0.0281148	0.5461841	0.08824682	7	0.8868228
ENSG00000128185	22	DGCR6L	20301799	rs2280116	22	20306716	T	A	0.427435	0.00215892	0.00808574	0.789467	-0.25781	0.0409718	3.13E-10	-0.0083741	0.0313914	0.7896514	0.6749878	7	0.96301985
ENSG00000250261	22	AC007050.18	20941783	rs165785	22	20954866	A	G	0.164016	-0.0085529	0.0102893	0.405837	0.783719	0.127162	7.13E-10	-0.0109132	0.0132477	0.4100621	0.3180395	3	0.86152138
ENSG00000229107	22	ABHD17AP4	21022124	rs2110412	22	21019125	C	T	0.329026	-0.0019659	0.00936453	0.83372	-0.57182	0.0904682	2.60E-10	0.003438	0.0163857	0.8338106	0.4997363	16	0.9781418
ENSG00000099940	22	SNAP29	21213271	rs5751757	22	21052990	C	G	0.0735586	0.0210148	0.0170712	0.218319	-0.983606	0.113134	3.49E-18	-0.0213651	0.0175288	0.2229004	0.1984838	10	0.74274316
ENSG00000230513	22	THAP7-AS1	21356175	rs12165467	22	21366206	T	C	0.212724	0.00809254	0.00951854	0.395221	-1.01421	0.0918259	2.32E-28	-0.0079792	0.00941294	0.3966165	0.3141573	18	0.85165727
ENSG00000099957	22	P2RX6	21364097	rs71314758	22	21369454	G	A	0.0805169	0.0240012	0.0226193	0.288648	0.685025	0.0960619	9.96E-13	0.035037	0.0333832	0.2939303	0.2454214	11	0.80043284
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.63437	0.124522	2.36E-39	0.0046926	0.010938	0.6679101	0.7567208	12	0.93253494
ENSG00000187905	22	AC002472.13	21400249	rs9625422	22	21404113	G	A	0.0854871	0.00302774	0.0142522	0.831764	1.32607	0.170961	8.72E-15	0.00228324	0.0107517	0.8318258	0.2522534	3	0.9781418
ENSG00000183506	22	PI4KAP2	21827289	rs165598	22	21216695	C	A	0.476143	0.00412096	0.00877598	0.63866	0.742684	0.0659375	1.99E-29	0.00554874	0.0118268	0.6389516	0.7547729	20	0.9225516
ENSG00000161180	22	CCDC116	21987005	rs878825	22	21982249	C	T	0.193837	-0.0239648	0.00869587	0.00585342	-0.659753	0.0990624	2.74E-11	0.0363239	0.0142644	0.0108816	0.8053805	4	0.3603961
ENSG00000100027	22	YPEL1	22051833	rs17821327	22	22068517	A	G	0.185885	-0.0012414	0.0098051	0.899252	0.275197	0.0497115	3.10E-08	-0.0045109	0.0356387	0.899278	0.7439701	11	0.98658093
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.966994	0.0630902	5.03E-53	-0.0011319	0.00861995	0.895525	0.1495762	20	0.98658093
ENSG00000228050	22	TOP3BP1	22577580	rs5756324	22	22335125	C	T	0.256461	-0.0006001	0.00931467	0.948635	1.10573	0.0972015	5.53E-30	-0.0005427	0.00842414	0.9486356	0.2112607	20	0.99347767
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.570755	0.0706697	6.67E-16	-0.0062759	0.0155837	0.6871546	0.7837797	14	0.93671075
ENSG00000128266	22	GNAZ	23412540	rs3788337	22	23412017	G	A	0.601392	0.0308429	0.00851636	0.00029278	0.217843	0.0297836	2.59E-13	0.141583	0.043624	0.00117229	0.2276421	9	0.19443108
ENSG00000100228	22	RAB36	23487513	rs6519421	22	23512813	A	G	0.235586	-0.013935	0.00887187	0.116254	0.325878	0.0480406	1.17E-11	-0.0427614	0.0279448	0.125965	0.3700339	20	0.66459844
ENSG00000186716	22	BCR	23521891	rs180805	22	23654993	G	A	0.379722	-0.0083726	0.00822331	0.308606	-0.603033	0.0532174	9.16E-30	0.0138841	0.0136915	0.3105503	0.3079981	20	0.81319251
ENSG00000215478	22	CES5AP1	23701790	rs13054327	22	23742308	A	C	0.302187	0.00954222	0.0105678	0.366553	-0.598688	0.0941453	2.03E-10	-0.0159386	0.0178287	0.3713298	0.6592185	12	0.8409924
ENSG00000133519	22	ZDHHC8P1	23732793	rs6003688	22	23738649	T	C	0.56163	0.00256896	0.00885657	0.771768	0.439667	0.0609661	5.53E-13	0.00584297	0.0201601	0.7719476	0.1053822	20	0.95800023
ENSG00000234928	22	AP000344.3	23775751	rs56806351	22	23776219	A	G	0.158052	-0.001095	0.0103144	0.915454	0.598444	0.0973937	8.02E-10	-0.0018298	0.0172379	0.9154662	0.2098572	5	0.98848475
ENSG00000227755	22	AP000344.4	23788785	rs7292421	22	23794221	A	G	0.255467	0.0141103	0.0103491	0.172747	-0.658896	0.0967053	9.53E-12	-0.0214151	0.0160181	0.1812463	0.6752328	12	0.69774631
ENSG00000178248	22	AP000345.1	23804273	rs6003714	22	23788842	T	C	0.185885	0.00020949	0.00971536	0.982797	0.774415	0.107766	6.67E-13	0.00027052	0.0125455	0.9827967	0.06613975	12	0.99555339
ENSG00000272733	22	KB-208E9.1	23923067	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.548077	0.0780413	2.17E-12	0.00784638	0.0159076	0.6218383	0.2948376	10	0.91443861
ENSG00000189269	22	C22orf43	23950639	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.774749	0.0957769	6.01E-16	0.00555073	0.0112466	0.6216265	0.6059762	12	0.91443861
ENSG00000234353	22	AP000347.4	23980679	rs7289104	22	23977513	G	A	0.172962	-0.0043154	0.0139265	0.756662	-0.381237	0.0583176	6.27E-11	0.0113194	0.0365708	0.7569265	0.2059303	5	0.9539366
ENSG00000272578	22	AP000347.2	24000281	rs71318929	22	24029075	G	A	0.167992	-0.0035493	0.0139074	0.798563	-0.666444	0.0775297	8.26E-18	0.0053257	0.0208773	0.7986492	0.7865489	11	0.965513
ENSG00000128218	22	VPREB3	24094930	rs131441	22	24108756	C	T	0.83996	-0.0086888	0.0105722	0.411159	-0.912803	0.0960533	2.04E-21	0.0095188	0.0116254	0.4129026	0.07573481	16	0.86418667
ENSG00000218537	22	AP000350.4	24236613	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.965404	0.0904623	1.38E-26	0.00908811	0.00869096	0.2957008	0.2853484	20	0.80043284
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.21169	0.0719573	1.26E-63	0.00724088	0.00690453	0.2943097	0.1858307	20	0.80043284
ENSG00000225282	22	AP000350.6	24269087	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.00437	0.0827319	6.48E-34	0.00873553	0.00834466	0.2951734	0.1934568	20	0.80043284
ENSG00000133433	22	GSTT2B	24299601	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	-0.90271	0.0855515	4.99E-26	-0.0097193	0.00929558	0.2957539	0.1772486	20	0.80043284
ENSG00000099977	22	DDT	24313554	rs5751775	22	24266726	C	T	0.609344	0.00863968	0.00835042	0.300837	0.490188	0.0567777	5.95E-18	0.0176252	0.017157	0.3042841	0.2314712	20	0.81037998
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.754085	0.0981205	1.53E-14	0.0164208	0.0111275	0.1400242	0.912962	15	0.67926006
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.27407	0.108315	6.08E-32	-0.0100808	0.00859534	0.2408693	0.2077033	20	0.75759563
ENSG00000224205	22	AP000351.4	24329511	rs377412767	22	24334423	G	A	0.412525	0.0102414	0.00826775	0.215452	0.96057	0.0882342	1.34E-27	0.0106618	0.00866267	0.218407	0.63937	20	0.74274316
ENSG00000128262	22	POM121L9P	24647796	rs143283354	22	24646573	T	C	0.295229	-0.0090742	0.00869457	0.29664	-0.494664	0.07344	1.63E-11	0.0183442	0.0177865	0.3023725	0.9710647	11	0.81021987
ENSG00000100024	22	UPB1	24863206	rs9624470	22	24820268	A	G	0.589463	-0.0159941	0.00809768	0.0482514	-0.492809	0.0755657	6.96E-11	0.032455	0.0171688	0.05871104	0.7089834	10	0.56431793
ENSG00000197077	22	KIAA1671	25348697	rs2142840	22	25507595	C	G	0.306163	-0.0065754	0.00929126	0.479136	-0.325793	0.0581083	2.06E-08	0.0201826	0.0287452	0.4826032	0.1656746	9	0.86540526
ENSG00000100053	22	CRYBB3	25595817	rs2269672	22	25597331	C	T	0.521869	0.00642978	0.0080907	0.42678	-0.623344	0.0917124	1.07E-11	-0.010315	0.0130679	0.4299162	0.6426546	7	0.86418667
ENSG00000100058	22	CRYBB2P1	25844072	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	1.1039	0.110222	1.31E-23	-0.0363053	0.0145874	0.01281712	0.3991357	10	0.3603961
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.06112	0.134706	3.35E-15	0.037769	0.0154617	0.01457588	0.5452978	10	0.36922688
ENSG00000100099	22	HPS4	26839389	rs73880120	22	26925670	C	G	0.0109344	0.0492915	0.0451014	0.274436	-1.32597	0.214158	5.96E-10	-0.0371739	0.0345397	0.2818085	0.7041502	7	0.79075254
ENSG00000261188	22	CTA-445C9.14	26908503	rs134144	22	26908970	A	G	0.0487078	0.0205675	0.0291476	0.480417	-0.911644	0.141491	1.17E-10	-0.0225609	0.0321637	0.4830293	0.6858012	12	0.86575491
ENSG00000100122	22	CRYBB1	26995242	rs4822758	22	27044317	C	T	0.452286	-0.0052976	0.00810361	0.513288	0.343037	0.0620406	3.22E-08	-0.0154431	0.0237877	0.5162056	0.6380302	5	0.87975713
ENSG00000235954	22	TTC28-AS1	28315364	rs9613545	22	28336162	G	A	0.144135	-0.0007156	0.0108648	0.947488	0.574738	0.0812192	1.48E-12	-0.001245	0.0189047	0.9474902	0.03550807	20	0.99347767
ENSG00000185340	22	GAS2L1	29702572	rs909798	22	29654004	T	C	0.616302	-0.0083576	0.00816091	0.305788	-0.269892	0.0446081	1.45E-09	0.0309664	0.0306678	0.3126216	0.5872709	4	0.81435501
ENSG00000225465	22	RFPL1S	29832818	rs71329485	22	29829022	A	G	0.172962	0.00148911	0.0113203	0.895346	-0.346074	0.0357968	4.13E-22	-0.0043029	0.0327137	0.8953551	0.01187138	9	0.98658093
ENSG00000184117	22	NIPSNAP1	29950797	rs468221	22	29955433	T	C	0.481113	0.0075123	0.00810106	0.353759	-0.170775	0.0263829	9.61E-11	-0.0439895	0.0479214	0.3586445	0.7416741	4	0.840274
ENSG00000100325	22	ASCC2	30184597	rs5997507	22	30125596	T	C	0.0695825	-0.0049926	0.013976	0.72092	0.303846	0.0531662	1.10E-08	-0.0164314	0.0460868	0.7214414	0.4240527	6	0.94509525
ENSG00000214491	22	SEC14L6	30918786	rs4820865	22	30936781	G	A	0.754473	-0.0085131	0.00891926	0.339851	0.614656	0.0846108	3.74E-13	-0.0138502	0.0146357	0.3439817	0.7166277	9	0.83501439
ENSG00000237977	22	EIF4HP2	31298206	rs5997842	22	31416033	C	T	0.72167	-0.0100786	0.00896865	0.261114	0.710378	0.0940392	4.22E-14	-0.0141877	0.0127641	0.2663416	0.839958	10	0.78068516
ENSG00000138942	22	RNF185	31556168	rs2273249	22	31836486	C	T	0.279324	0.00845114	0.00843182	0.316203	0.563537	0.0786279	7.66E-13	0.0149966	0.0151079	0.3208893	0.8060359	20	0.8185229
ENSG00000182541	22	LIMK2	31608225	rs71324184	22	31752061	G	C	0.291252	0.00721918	0.00844957	0.392892	-0.200397	0.0333908	1.95E-09	-0.0360244	0.0425893	0.3976331	0.4456476	20	0.85165727
ENSG00000198089	22	SFI1	31884674	rs5753684	22	31939973	G	A	0.22664	-0.0164296	0.010336	0.111935	0.359133	0.0569827	2.93E-10	-0.045748	0.0296817	0.1232471	0.6540703	17	0.66369299
ENSG00000241878	22	PISD	32014477	rs5998072	22	32048374	T	G	0.202783	0.00044109	0.010294	0.965822	0.273733	0.0389883	2.20E-12	0.00161138	0.0376067	0.9658224	0.6634803	20	0.99424461
ENSG00000100150	22	DEPDC5	32149944	rs16989528	22	32217539	T	C	0.0407555	0.0224469	0.0155127	0.147897	-0.50245	0.0846213	2.89E-09	-0.0446749	0.0317777	0.1597666	0.2986643	8	0.68549033
ENSG00000100191	22	SLC5A4	32614465	rs5754050	22	32771146	C	T	0.0417495	0.00171387	0.0196179	0.930384	1.30268	0.167313	6.92E-15	0.00131565	0.0150606	0.9303877	0.860345	10	0.99339127
ENSG00000214076	22	CPSF1P1	32665368	rs7287853	22	32637148	C	T	0.407555	0.00658983	0.008517	0.439092	-0.404183	0.0737194	4.19E-08	-0.0163041	0.0212809	0.4435957	0.5345733	14	0.86418667
ENSG00000205853	22	RFPL3S	32755893	rs2294314	22	32794603	A	T	0.194831	-0.0035574	0.00934773	0.703524	-0.643476	0.0804274	1.24E-15	0.00552847	0.0145434	0.7038434	0.8076663	13	0.94255443
ENSG00000100225	22	FBXO7	32870663	rs2285089	22	32898291	A	G	0.375746	0.00873558	0.00811644	0.281801	0.318282	0.0459489	4.30E-12	0.027446	0.0258068	0.2875458	0.9133665	7	0.79641232
ENSG00000100336	22	APOL4	36585172	rs6000186	22	36598711	A	G	0.144135	-0.001064	0.0127172	0.933322	-0.693681	0.101107	6.84E-12	0.00153385	0.0183343	0.9333268	0.9135057	4	0.99347767
ENSG00000100348	22	TXN2	36863083	rs62229996	22	36906128	C	T	0.028827	-0.0059267	0.0181589	0.744139	0.750031	0.124345	1.62E-09	-0.0079019	0.0242463	0.7444997	0.2936585	13	0.95179329
ENSG00000100350	22	FOXRED2	36883237	rs146532334	22	36903096	T	C	0.0377734	0.00927211	0.0202896	0.647679	1.11382	0.124425	3.50E-19	0.0083246	0.01824	0.6481067	0.7548329	15	0.92487912
ENSG00000234688	22	RP1-293L6.1	37099963	rs5756319	22	37117819	T	C	0.67992	-0.0142456	0.0082256	0.083299	0.543591	0.0715723	3.08E-14	-0.0262065	0.0155204	0.09131155	0.0321707	11	0.64948716
ENSG00000100360	22	IFT27	37154246	rs8135284	22	37182681	T	C	0.757455	-0.0091531	0.00891451	0.304532	-0.643265	0.0673162	1.23E-21	0.0142291	0.013938	0.307308	0.2263096	9	0.81150416
ENSG00000133466	22	C1QTNF6	37576207	rs229534	22	37588013	C	T	0.212724	-0.0212904	0.0101187	0.0353728	-0.560425	0.0591631	2.73E-21	0.0379897	0.0184955	0.0399753	0.9038311	11	0.49481137
ENSG00000243902	22	RP1-63G5.5	37735624	rs739190	22	37758272	C	T	0.962227	0.0223816	0.0210578	0.287843	-0.87994	0.142169	6.04E-10	-0.0254354	0.0242812	0.2948543	0.6273817	6	0.80043284
ENSG00000100106	22	TRIOBP	38093011	rs2413479	22	38114503	T	C	0.564612	-0.0064932	0.00811312	0.423518	0.296552	0.035645	8.83E-17	-0.0218956	0.0274845	0.4256518	0.3514618	20	0.86418667
ENSG00000100156	22	SLC16A8	38474141	rs5756894	22	38450136	A	C	0.596421	-0.004166	0.00865396	0.630231	-0.257555	0.0465739	3.20E-08	0.0161753	0.0337275	0.6315205	0.9486678	6	0.91979557
ENSG00000184949	22	FAM227A	38974125	rs9607557	22	39040279	A	G	0.349901	-0.0029149	0.00843474	0.729654	0.478101	0.0599601	1.54E-15	-0.0060969	0.0176587	0.7298982	0.8138589	20	0.949045
ENSG00000228274	22	RP3-508I15.9	39063590	rs3946137	22	38988115	G	A	0.34493	-0.005142	0.00845013	0.542851	-0.457386	0.0756852	1.51E-09	0.0112421	0.0185683	0.5448833	0.8012165	18	0.8868228
ENSG00000235209	22	CTA-150C2.13	39317232	rs713859	22	39302174	G	T	0.629225	0.0122447	0.00833074	0.14161	0.792458	0.0910785	3.29E-18	0.0154515	0.0106615	0.1472573	0.1763843	8	0.68107362
ENSG00000239713	22	APOBEC3G	39436924	rs5757472	22	39483967	C	T	0.619284	-0.0020091	0.00817026	0.805759	-0.538785	0.0624599	6.35E-18	0.00372889	0.0151704	0.8058367	0.624879	18	0.96661161
ENSG00000100413	22	POLR3H	41921808	rs12484694	22	41919330	G	A	0.214712	0.0217645	0.00950816	0.022077	0.545356	0.0689526	2.59E-15	0.0399088	0.0181503	0.0278923	0.06210606	20	0.43604346
ENSG00000172346	22	CSDC2	41956767	rs12484467	22	41957610	C	T	0.206759	0.0184481	0.009465	0.051285	0.877844	0.0874161	9.95E-24	0.0210152	0.0109833	0.05569948	0.04246337	20	0.55913335
ENSG00000205704	22	LINC00634	42348169	rs2187960	22	42348355	C	T	0.950298	-0.0145614	0.0171198	0.395014	0.639082	0.08535	7.00E-14	-0.0227849	0.0269604	0.3980416	0.6561321	16	0.85165727
ENSG00000183066	22	WBP2NL	42394729	rs9611712	22	42410993	C	T	0.279324	-0.0197513	0.0116514	0.0900389	-0.51556	0.0721441	8.92E-13	0.0383104	0.0232266	0.09906256	0.420546	20	0.65086925
ENSG00000198951	22	NAGA	42454358	rs2743449	22	42534148	C	T	0.539761	-0.0070616	0.00808708	0.38256	-0.401047	0.0453172	8.77E-19	0.0176078	0.0202628	0.3848638	0.1092963	20	0.8470764
ENSG00000177096	22	FAM109B	42470255	rs6002633	22	42534600	T	C	0.332008	0.00215673	0.00837846	0.79686	-0.380242	0.0639594	2.76E-09	-0.005672	0.0220552	0.7970455	0.5555127	16	0.965513
ENSG00000183172	22	SMDT1	42475695	rs9611734	22	42502070	G	A	0.202783	-0.0231427	0.0123437	0.0608121	0.377928	0.050518	7.37E-14	-0.0612357	0.0336716	0.06896982	0.1374379	20	0.59485717
ENSG00000184983	22	NDUFA6	42481529	rs117529804	22	42669104	T	C	0.028827	0.0291349	0.0283791	0.304594	1.43801	0.137798	1.70E-25	0.0202606	0.0198303	0.3069229	0.301764	12	0.81150416
ENSG00000237037	22	NDUFA6-AS1	42486935	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	0.363279	0.063359	9.83E-09	-0.0563	0.0356427	0.1142064	0.1422197	5	0.65830417
ENSG00000100197	22	CYP2D6	42522501	rs2743451	22	42534682	T	C	0.531809	-0.0072824	0.00808875	0.367954	0.812233	0.065652	3.71E-35	-0.0089659	0.00998499	0.3692181	0.1123862	20	0.840274
ENSG00000227370	22	RP4-669P10.19	42528550	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	0.927269	0.0946194	1.13E-22	-0.0220568	0.0136109	0.1051189	0.01075143	20	0.65086925
ENSG00000205702	22	CYP2D7P1	42536214	rs28570317	22	42534276	C	G	0.337972	0.00205915	0.00836641	0.805588	-0.536044	0.0727644	1.75E-13	-0.0038414	0.0156164	0.8056947	0.2441781	20	0.96661161
ENSG00000172250	22	SERHL	42896585	rs2179231	22	42910611	C	T	0.146123	0.00759461	0.0101996	0.456514	-0.901462	0.119357	4.26E-14	-0.0084248	0.0113694	0.4586896	0.9753362	15	0.86418667
ENSG00000189306	22	RRP7A	42905974	rs136980	22	42943481	A	G	0.154076	0.00772185	0.0112081	0.490851	0.672741	0.102529	5.33E-11	0.0114782	0.0167519	0.4932266	0.7063252	15	0.86806745
ENSG00000183569	22	SERHL2	42949623	rs137107	22	43001128	T	C	0.299205	0.00273289	0.00881363	0.756504	-0.500708	0.0852364	4.25E-09	-0.0054581	0.0176268	0.7568314	0.09059524	10	0.9539366
ENSG00000182841	22	RRP7B	42951229	rs137082	22	42978999	A	G	0.109344	0.00010004	0.0137175	0.994181	-0.694386	0.0899597	1.17E-14	-0.0001441	0.0197549	0.9941811	0.5445895	20	0.99737611

ENSG00000128274	22	A4GALT	43088127	rs5758896	22	43115576	C	T	0.604374	-0.0021635	0.00840165	0.796784	-0.230851	0.0388606	2.84E-09	0.00937193	0.0364284	0.7969706	0.9176545	11	0.965513
ENSG00000242247	22	ARFGAP3	43192508	rs4820498	22	43327581	G	T	0.462227	-0.0004285	0.0083429	0.959039	0.332534	0.0466352	1.00E-12	-0.0012886	0.0250895	0.9590401	0.5358932	18	0.99347767
ENSG00000230319	22	AL022476.2	43434591	rs28522522	22	43431970	T	C	0.485089	-0.0014475	0.00818062	0.859551	0.377571	0.0626688	1.69E-09	-0.0038338	0.0216758	0.8596105	0.241608	6	0.98554401
ENSG00000100271	22	TTLL1	43435522	rs6002998	22	43420666	G	A	0.570577	0.00418065	0.00810683	0.606068	-0.438427	0.0602176	3.32E-13	-0.0095356	0.018537	0.6069681	0.1778858	20	0.90555682
ENSG00000100294	22	MCAT	43528212	rs4988409	22	43519082	G	A	0.316103	-0.0010075	0.00856142	0.90632	0.246227	0.0369468	2.66E-11	-0.0040918	0.0347759	0.9063346	0.3735112	8	0.98658093
ENSG00000100304	22	TTLL12	43562628	rs47341	22	43560763	T	C	0.364811	-0.0152166	0.00835591	0.0685978	0.293521	0.0535656	4.26E-08	-0.0518416	0.0299987	0.08396553	0.3116729	8	0.63159614
ENSG00000130540	22	SULT4A1	44220389	rs138120	22	44266139	G	A	0.417495	-0.0023213	0.00807273	0.773694	0.100926	0.0152407	3.54E-11	-0.0229998	0.080062	0.7739016	0.3878683	7	0.95931019
ENSG00000100341	22	PNPLA5	44275558	rs138129	22	44276105	C	T	0.55666	0.00234848	0.00835488	0.778641	0.306154	0.0487481	3.38E-10	0.00767091	0.0273171	0.7788564	0.3562795	16	0.95939787
ENSG00000100347	22	SAMM50	44351301	rs62228005	22	44359715	T	C	0.128231	-0.009786	0.0107416	0.362275	-0.528484	0.0862816	9.06E-10	0.0185171	0.0205489	0.3675218	0.6426642	6	0.840274
ENSG00000093000	22	NUP50	45559722	rs132846	22	45559193	G	A	0.701789	-0.008458	0.008838	0.338563	0.358146	0.0468203	2.02E-14	-0.0236162	0.0248695	0.3423128	0.7961152	20	0.83501439
ENSG00000100364	22	KIAA0930	45586219	rs12485064	22	45608347	A	G	0.364811	-0.0143101	0.00895063	0.109869	-0.218849	0.037656	6.18E-09	0.065388	0.042418	0.123191	0.8863908	5	0.66369299
ENSG00000100376	22	FAM118A	45704849	rs5765271	22	45746826	G	T	0.865805	0.0127513	0.01056659	0.227499	-1.40702	0.105614	1.72E-40	-0.0090626	0.00754017	0.229397	0.6548231	20	0.74543747
ENSG00000128408	22	RIBC2	45809572	rs9306477	22	45817169	G	A	0.506958	0.00255778	0.00807021	0.751289	-0.748498	0.0809852	2.41E-20	-0.0034172	0.0107882	0.7514297	0.04340917	20	0.95264532
ENSG00000231711	22	LINC00899	46435787	rs28567375	22	46417323	A	C	0.0536779	-0.0125841	0.0201263	0.531803	-0.986944	0.142051	3.71E-12	0.0127506	0.020475	0.5334555	0.2321217	14	0.88585906
ENSG00000130943	22	PKDREJ	46651560	rs3087501	22	46647909	G	A	0.161034	0.0194232	0.0122717	0.113475	-0.559493	0.0906848	6.84E-10	-0.0347157	0.0226439	0.1252468	0.7009207	18	0.66377689
ENSG00000075234	22	TTC38	46663858	rs60032274	22	46693060	T	A	0.0248509	-0.0228733	0.0296319	0.440166	0.526917	0.0685278	1.48E-14	-0.0434097	0.056519	0.4424551	0.6842707	7	0.86418667
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.853497	0.067585	1.47E-36	0.00262195	0.00995597	0.7922769	0.9512754	15	0.96390687
ENSG00000235111	22	RP1-29C18.8	50006305	rs916360	22	50041972	C	T	0.725646	0.00051918	0.00881835	0.953051	-0.599347	0.0870567	5.80E-12	-0.0008662	0.0147138	0.9530531	0.3936954	12	0.99347767
ENSG00000182858	22	ALG12	50293877	rs8136116	22	50256886	A	T	0.857853	-0.0179904	0.0118589	0.129257	-0.545921	0.0979076	2.46E-08	0.0329542	0.0225124	0.1432413	0.2868042	12	0.68107362
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.72678	0.141778	4.00E-34	0.0291749	0.0151733	0.05450764	0.000599	20	0.55636409
ENSG00000128159	22	TUBGCP6	50656118	rs17248273	22	50658570	G	A	0.395626	0.0105491	0.00823539	0.200213	0.266592	0.0341513	5.89E-15	0.0395702	0.0313045	0.2062149	0.5634008	20	0.72835256
ENSG00000100429	22	HDAC10	50683612	rs13058062	22	50684296	C	T	0.735586	0.00076408	0.0093756	0.935047	-0.732269	0.0811823	1.88E-19	-0.0010434	0.012804	0.9350497	0.8613961	14	0.99347767
ENSG00000188130	22	MAPK12	50683879	rs5771285	22	50695908	T	G	0.701789	0.00213251	0.00897267	0.812139	-0.869142	0.0702514	3.71E-35	-0.0024536	0.0103255	0.8121732	0.5183344	20	0.97046278
ENSG00000205593	22	DENND6B	50747459	rs140833036	22	50771202	G	A	0.373757	0.00139265	0.00832511	0.867147	0.307929	0.0308505	1.84E-23	0.00452263	0.0270396	0.8671658	0.6633262	20	0.98554401
ENSG00000100258	22	LMF2	50941376	rs41281543	22	50945799	G	C	0.0377734	-0.00535	0.0161801	0.740908	0.625719	0.0747667	5.81E-17	-0.0085502	0.0258786	0.7411013	0.3357115	6	0.95009085
ENSG00000217442	22	SYCE3	50989541	rs78789402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.29864	0.150378	5.83E-18	0.00270304	0.0118201	0.819117	0.4650786	16	0.97258841
ENSG00000205560	22	CPT1B	51007290	rs131756	22	51021599	T	C	0.525845	0.0103632	0.00812742	0.202276	0.562089	0.0599799	7.16E-21	0.0184369	0.0145925	0.2064277	0.9249656	20	0.72835256
ENSG00000100288	22	CHKB	51017378	rs86337	22	51020668	A	C	0.569583	0.00626675	0.0083578	0.45337	0.570138	0.0579705	7.96E-23	0.0109916	0.0147018	0.454678	0.9510007	20	0.86418667
ENSG00000100299	22	ARSA	51061182	rs6151429	22	51063477	C	T	0.0815109	-0.0164026	0.0215329	0.446214	-0.723552	0.111822	9.76E-11	0.0226696	0.0296655	0.4493365	0.8106878	4	0.86418667
ENSG00000184319	22	AC002055.4	51195376	rs2519461	22	51218377	C	G	0.0775348	-0.0141126	0.0155248	0.363332	-1.04825	0.104563	1.18E-23	0.013463	0.014871	0.365295	0.4972197	20	0.840274
ENSG00000205664	23	RP11-706O15.1	3735569	rs5916665	23	3727394	C	T	0.511749	-0.0092077	0.00712115	0.196008	0.495799	0.0574619	6.23E-18	-0.0185715	0.0145234	0.200992	0.8500493	15	0.72249458
ENSG00000205663	23	RP11-706O15.5	3809479	rs6649512	23	3857719	G	A	0.287206	-0.0064384	0.00775128	0.406185	0.440628	0.0773367	1.22E-08	-0.0146119	0.0177774	0.4111129	0.6537746	3	0.86230382
ENSG00000101846	23	STS	7137497	rs2072326	23	7138066	G	A	0.417755	0.0115646	0.00723136	0.109771	-0.142708	0.02533	1.76E-08	-0.0810368	0.0526743	0.1239386	0.05112129	14	0.66377689
ENSG00000182583	23	VCX	7810303	rs2529876	23	7810800	T	C	0.64752	-0.0100402	0.00725075	0.166141	-0.635443	0.0663773	1.04E-21	0.0158003	0.0115293	0.1705465	0.9132994	9	0.69564932
ENSG00000228543	23	GS1-519E5.1	9217960	rs6640324	23	9207906	A	G	0.249347	-0.0067528	0.00786861	0.390783	0.652674	0.0726679	2.67E-19	-0.0103464	0.0121109	0.3929346	0.7762781	10	0.8487255
ENSG00000176896	23	TCEANC	13671225	rs5979943	23	13698052	G	A	0.493473	2.46E-05	0.00708439	0.997227	-0.367165	0.0601682	1.05E-09	-6.71E-05	0.0192948	0.997227	0.9404878	7	0.99857245
ENSG00000046647	23	GEMIN8	14026398	rs11797935	23	14047834	T	G	0.296345	0.00323054	0.00785174	0.680747	-0.524815	0.0462964	8.71E-30	-0.0061556	0.0149708	0.6809465	0.6794066	16	0.93372697
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.471925	0.0399853	3.79E-32	-0.0193139	0.0160894	0.2299784	0.0659603	20	0.74543747
ENSG00000165197	23	FIGF	15363713	rs6527616	23	15516974	G	A	0.633159	0.0172901	0.0075522	0.0220557	0.2871	0.0523694	4.20E-08	0.0602233	0.0285067	0.03463527	0.06931597	6	0.46503126
ENSG00000087842	23	PIR	15402921	rs2271550	23	15511412	C	A	0.648825	0.0196323	0.00760092	0.00979783	0.40293	0.0444596	1.27E-19	0.0487238	0.0196153	0.01299249	0.07762017	20	0.3603961
ENSG00000130234	23	ACE2	15579156	rs5936026	23	15734004	T	C	0.527415	-0.0013704	0.00705872	0.846063	0.595802	0.071625	8.92E-17	-0.0023001	0.0118507	0.8461043	0.5343368	6	0.98207023
ENSG00000147003	23	TMEM27	15645441	rs5936019	23	15723145	C	T	0.533943	-0.0007882	0.0070492	0.910976	0.811876	0.0662558	1.61E-34	-0.0009708	0.00868297	0.9109793	0.2303176	20	0.98821764
ENSG00000186312	23	CA5BP1	15693055	rs5934258	23	15672306	T	C	0.245431	-0.0019117	0.00929988	0.83713	0.33641	0.0613055	4.08E-08	-0.0056828	0.0276639	0.8372424	0.65568	7	0.98009688
ENSG00000169249	23	ZRSR2	15808595	rs5980192	23	15817963	G	A	0.734987	-0.0090658	0.00810155	0.263132	-0.690961	0.051373	3.08E-41	0.0131205	0.0117656	0.2647797	0.7688646	20	0.77972167
ENSG00000012174	23	MBTPS2	21857754	rs6629430	23	21919604	A	G	0.171018	0.00066486	0.00931925	0.943125	-0.438016	0.0516601	2.28E-17	-0.0015179	0.0212768	0.9431267	0.3386758	20	0.99347767
ENSG00000234636	23	MED14-AS1	40594652	rs7066598	23	40595397	G	T	0.0130548	-0.01437	0.029204	0.62268	1.17814	0.189633	5.21E-10	-0.0121972	0.0248658	0.6237661	0.4134452	3	0.91443861
ENSG00000183690	23	EFHC2	44007128	rs5769635	23	44207696	G	A	0.450392	-0.0010903	0.00711898	0.877387	-0.391305	0.0845133	5.84E-18	0.00230684	0.0161958	0.8774069	0.7337123	16	0.98658093
ENSG00000147119	23	CHST7	46433219	rs6611279	23	46475904	T	C	0.519582	-0.0063663	0.00704031	0.365855	-0.310491	0.0315081	6.57E-23	0.020504	0.02277	0.3678644	0.09678742	20	0.840274
ENSG00000221994	23	ZNF630	47842756	rs4526490	23	47938680	C	T	0.530026	0.00585909	0.00707889	0.40785	-0.365779	0.0524553	3.10E-12	-0.0160181	0.0194888	0.4111251	0.6269509	5	0.86230382
ENSG00000102007	23	PLP2	49028273	rs184339396	23	49043608	C	G	0.0221932	0.0156061	0.017018	0.359123	-0.57346	0.0783394	2.48E-13	-0.0272139	0.029908	0.3628633	0.9914509	4	0.840274
ENSG00000204271	23	SPIN3	57002803	rs2142772	23	57171629	C	T	0.274151	-0.0024023	0.00939529	0.798188	-0.238635	0.0373971	1.76E-10	0.0100668	0.0394026	0.798347	0.2363014	10	0.965513
ENSG00000231831	23	MTHFD1P1	57419079	rs5914874	23	56996365	C	T	0.721932	0.00743515	0.00952171	0.434884	-0.698188	0.072938	1.05E-21	-0.0106492	0.013683	0.4364053	0.02692392	12	0.86418667
ENSG00000215162	23	LINC00269	68399400	rs6624391	23	68427473	C	T	0.313316	-0.0066514	0.0074666	0.373028	0.724114	0.0720194	8.78E-24	-0.0091855	0.0103518	0.3748956	0.06792948	10	0.8439657
ENSG00000231963	23	RP11-493K23.4	72300006	rs12014250	23	71954759	T	C	0.849869	0.0157168	0.0101157	0.121768	0.439993	0.0791663	2.73E-08	0.0357206	0.0239625	0.1360432	0.4743879	8	0.67926006
ENSG00000204118	23	NAP1L6	72345876	rs7066805	23	72571442	T	C	0.0966057	-0.0202977	0.0127328	0.110906	0.556849	0.0899329	5.95E-10	-0.036451	0.0236115	0.1226407	0.3570549	14	0.66369299
ENSG00000225470	23	JPX	73164159	rs7892040	23	73020027	G	A	0.0574413	-0.0338282	0.024916	0.174562	-0.59585	0.0881502	1.38E-11	0.056773	0.0426511	0.1831546	0.7502916	6	0.69774631
ENSG00000094841	23	UPRT	74493920	rs5938226	23	75108337	T	C	0.035248	0.00448286	0.023227	0.846957	0.733713	0.120718	1.22E-09	0.00610983	0.0316728	0.8470335	0.9609963	15	0.98207023
ENSG00000186675	23	MAGEE2	75002823	rs4492531	23	75032131	G	A	0.0261097	-0.0016204	0.0161558	0.920109	-0.826597	0.141825	5.60E-09	0.00196029	0.0195478	0.9201207	0.2933498	4	0.99027474
ENSG00000187325	23	TAF9B	77385245	rs14826256	23	77449462	A	G	0.201044	-0.0021765	0.00869386	0.802315	-0.323388	0.0402075	8.77E-16	0.0067304	0.0268967	0.8024084	0.4505984	20	0.96588106
ENSG00000184788	23	SATL1	84347293	rs1006629	23	84497935	T	C	0.140992	-0.0045536	0.00951771	0.632343	-0.795397	0.0817466	2.25E-22	0.00572491	0.0119804	0.6327534	0.2436251	11	0.91979557
ENSG00000102362	23	SYTL4	99929488	rs2858178	23	99983920	A	G	0.531332	0.00050974	0.00708671	0.942658	0.51636	0.0363442	8.23E-46	0.00098718	0.0137245	0.942659	0.3691995	14	0.99347767
ENSG00000188917	23	TRMT2B	100264335	rs5921708	23	100274985	G	C	0.417755	-0.0055615	0.00741717	0.453366	0.392235	0.0504611	7.66E-15	-0.014179	0.0189978	0.4554561	0.3064283	8	0.86418667
ENSG00000126950	23	TMEM35	100333709	rs57587585	23	100339690	G	C	0.439948	-0.0008402	0.00715397	0.906508	0.21606	0.0251209	7.92E-18	-0.0038887	0.0331141	0.9065167	0.9248032	7	0.98658093
ENSG00000102385	23	DRP2	100474758	rs138775194	23	100503284	A	G	0.0104439	-0.039263	0.0282161	0.16407	0.528519	0.0813274	8.10E-11	-0.0742887	0.0545973	0.1736187	0.8969944	5	0.69660051
ENSG00000196440	23	ARMCX4	100673275	rs7066271	23	100801254	A	G	0.284595	-0.0089895	0.00752297	0.232113	0.336081	0.0416652	7.25E-16	-0.0267479	0.0226287	0.2371918	0.145678	20	0.75264543
ENSG00000184515	23	BEX5	101408680	rs144544475	23	101289647	C	T	0.265013	0.0111813	0.00738592	0.13006	0.163749	0.0292592	2.19E-08	0.0682832	0.0467262	0.1439205	0.9348621	5	0.68107362
ENSG00000198932	23	GPRASP1	101906294	rs1034444	23	102164984	T	C	0.0796345	0.0078405	0.0104805	0.454397	-0.339652	0.0406787	6.85E-17	-0.0230839	0.0309802	0.4561999	0.5891531	15	0.86418667
ENSG00000133134	23	BEX2	102564274	rs5987508	23	102418971	A	G	0.366841	0.00032846	0.00712721	0.963243	0.146943	0.0253813	7.06E-09	0.00223527	0.0485048	0.9632437	0.6245111	20	0.99347767
ENSG00000172476	23	RAB40A	102754678	rs1180888	23	102770401	C	G	0.288512	-0.0024857	0.00837771	0.766692	-0.361772	0.0584333	5.97E-10	0.00687093	0.023184	0.7669513	0.02104028	10	0.9565588
ENSG00000231728	23	LL0XNC01-116E7.2	103172005	rs4907818	23	103108731	C	T	0.698433	0.00045922	0.00741739	0.539666	0.525731	0.0783554	1.95E-11	0.00865313	0.0141675	0.5413507	0.546391	13	0.88612583
ENSG00000101842	23	VSIG1	107288200	rs56845371	23	107068893	C	A	0.144909	-0.0046725	0.0112581	0.678118	0.552978	0.0808646	8.01E-12	-0.0084496	0.0203965	0.6786774	0.3048075	8	0.93372697
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.433134	0.0481557	2.37E-19	-0.0301893	0.0185145	0.1029809	0.5624448	13	0.65086925
ENSG00000018610	23	CXorf56	118672112	rs150025729	23	118691527	C	T	0.0417755	0.00577551	0.0196436	0.768746	-0.788635	0.0883646	4.47E-19	-0.0073234	0.0249219	0.7688684	0.9951122	20	0.95736588
ENSG00000125351	23	UPF3B	118967985	rs2428210	23	118984714	T	C	0.553525	0.00498989	0.0070558	0.47944	-0.485924	0.0625283	7.77E-15	-0.0102689	0.0145804	0.4812499	0.8695807	20	0.86451646
ENSG00000258545	23	RP4-755D9.1	119170201	rs6645626	23	119277805	T	C	0.210183	0.0120375	0.00925905	0.193574	0.723885	0.0938986	1.27E-14	0.016629	0.0129714	0.1998504	0.9690014	11	0.72109022
ENSG00000213468	23	RP11-453F18 B.1	130836678	rs4830233	23	130969964	C	T	0.711488	-0.0064044	0.00780573	0.411946	0.342192	0.0500553	8.13E-12	-0.0187158	0.0229747	0.4152852	0.5229687	12	0.86418667
ENSG00000123728	23	RAP2C	131337053	rs9698786	23	131532809	G	A	0.208877	0.00718271	0.00846471	0.396133	0.259458	0.0415803	4.38E-10	0.0276835	0.0329249	0.4004549	0.6736133	12	0.85364306
ENSG00000212747	23	FAM127C	134154543	rs2475853	23	134156121	C	G	0.75718	0.0049918	0.00754638	0.508302	0.480136	0.0678837	1.52E-12	0.0103966	0.0157858	0.5101471	0.2050343	5	0.87661057
ENSG00000169551	23	CXorf48	134290461	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.671783	0.0724485	1.82E-20	-0.0137503	0.0114439	0.2295399	0.4471619	20	0.74543747
ENSG00000236491	23	RP13-565O16.2	134314179	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.625569	0.0716428	2.51E-18	-0.0147661	0.0123024	0.2300389	0.746387	11	0.74543747
ENSG00000203930	23	LINC00632	139791932	rs4824956	23	139854825	G	A	0.139687	0.0130813	0.0106195	0.218019	-0.521742	0.0763804	8.44E-12	-0.0250724	0.0206822	0.2254109	0.4362901	3	0.74274316
ENSG00000165509	23	MAGEC3	140926102	rs5907151	23	140509473	G	A	0.116188	-0.0078001	0.00993091	0.432197	-0.626093	0.0837837	7.85E-14	0.0124584	0.0159491	0.4347239	0.4028773	20	0.86418667
ENSG00000179542	23	SLITRK4	142710596	rs146188921	23	142714243	C	T	0.0691906	-0.0111979	0.0177088	0.527166	-0.561854	0.0688817	3.44E-16	0.0199303	0.0316131	0.5284043	0.3203483	3	0.88585906
ENSG00000238039	23	AF011889.2	148593039	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.730803	0.0719358	3.02E-24	-0.0071254	0.0098611	0.4699387	0.9519088	15	0.86418667
ENSG00000241769	23	LINC00893	148609130	rs637328	23	148647599	T	C	0.0770235	0.01002	0.0127337	0.431349	-0.523498	0.0685847	2.30E-14	-0.0191405	0.0244532	0.4337799	0.963797	4	0.86418667
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.737752	0.0752093	1.03E-22	0.00606205	0.0102599	0.5546223	0.556654	14	0.89001673
ENSG00000063601	23	MTMR1	149861435	rs5925419	23	149911731	G	A	0.604439	0.00938755	0.00713436	0.188234	-0.312234	0.0481878	9.20E-11	-0.0300658	0.0233158	0.1972236	0.2749118	10	0.71728117
ENSG00000130032	23	PRRG3	150863596	rs35662236	23	150863991	T	C	0.518277	-0.0048579	0.00726914	0.503948	-0.25821	0.0319343	6.18E-16	0.0188137	0.028248	0.5053993	0.5200559	11	0.87341411
ENSG00000198883	23	PNMA5	152157368	rs5925260	23	152117765	A	G	0.218016	-0.0102708	0.00799003	0.198633	0.276534	0.0330536	5.95E-17	-0.0371412	0.0292325	0.2038916	0.1004454	10	0.72676285
ENSG00000225110	23	LL0XNC01-16G2.1	152583141	rs10183	23	152583276	A	G	0.532637	-0.0004651	0.00708097	0.947633	-0.320838	0.0372881	7.68E-18	0.00144957	0.0220709	0.9476344	0.7263908	12	0.99347767
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.17208	0.143667	3.40E-16	-0.0114961	0.01781	0.5186139	0.3923703	9	0.88111424
ENSG00000213391	23	RP11-66N11.6	152871972	rs73247616	23	152866290	A	G	0.0326371	-0.0129741	0.0206888	0.53059	1.16618	0.154995	5.31E-14	-0.0111253	0.0178022	0.5320101	0.2107988	13	0.88585906
ENSG00000232725	23	U52111.14	153001080	rs731417	23	153031840	C	G	0.184073	-0.0093745	0.00907437	0.30157	-0.531218	0.0925276	9.40E-09	0.0176471	0.0173565	0.3092757	0.8422004	4	0.81319251
ENSG00000184343	23	SRPK3	153041867	rs762650	23	153045202	G	A	0.83812	-0.0082863	0.00895459	0.354777	0.469243	0.0554973	2.79E-17	-0.0176588	0.019197	0.3576403	0.3410443	5	0.840274
ENSG00000177854	23	TMEM187	153237778	rs1051152	23	153220360	G	A	0.195822	0.00918806	0.00925241	0.320688	-0.477987	0.0684271	2.84E-12	-0.0192224	0.0195517	0.3255287	0.1115278	17	0.82338319
ENSG00000147403	23	RPL10	153618315	rs2239469	23	153584885	A	C	0.0861619	0.00416634	0.0101244	0.680696	-0.36438	0.0369156	5.58E-23	-0.0114341	0.0278094	0.680957	0.08777947	20	0.93372697
ENSG00000013563	23	DNASE1L1	153629579	rs62617809	23	153640406	C	T	0.767624	-0.0133977	0.00790797	0.0902277	-0.60674	0.0523973	5.23E-31	0.0220815	0.0131723	0.09366871	0.8136459	3	0.65086925
ENSG00000130827	23	PLXNA3	153686621	rs2070822	23	153579448	G	A	0.203655	-0.0093381	0.00834324	0.263039	-0.592733	0.0495752	6.02E-33	0.0157543	0.0141374	0.2651223	0.1117543	20	0.77972167
ENSG00000102178	23	UBL4A	153712056	rs12013922	23	153710842	A	T	0.87859	0.0173706	0.012146	0.152674	-0.187461	0.0265943	1.80E-12	-0.0926625	0.0661122	0.1610368	0.1156801	19	0.68549033
ENSG00000071889	23	FAM3A	153733350	rs7611	23	153734787	T	A	0.847258	0.0270587	0.011059	0.0144148	-0.215677	0.0356655	1.47E-09	-0.125459	0.0553139	0.02332093	0.6860548	20	0.42363658
ENSG00000185010	23	F8	154064063	rs573189	23	154437617	T	C	0.699739	0.0204231	0.00762283	0.00737972	0.233102	0.0409482	1.25E-08	0.0876144	0.0361425	0.01534479	0.5360067	16	0.37569662

Table S3. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in anterior cingulate cortex

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000272512	1	RP11-54O7.17	931346	rs2710880	1	931166	G	A	0.361829	-0.008872	0.00813779	0.275617	-0.477545	0.0675498	1.55E-12	0.0185783	0.0172423	0.2812652	0.3643669	19	0.78348136
ENSG00000131591	1	C1orf159	1017198	rs6678318	1	1030633	A	G	0.166004	-0.0045791	0.00996289	0.645793	-0.595337	0.0804194	1.33E-13	0.00769158	0.0167671	0.6464278	0.6069428	10	0.93504549
ENSG00000186891	1	TNFRSF18	1138888	rs9727747	1	1134707	A	G	0.112326	0.019293	0.0131778	0.143178	0.830694	0.136608	1.20E-09	0.0232252	0.0163169	0.1546262	0.9327006	3	0.67326138
ENSG00000242485	1	MRPL20	1337288	rs2275915	1	1342612	C	G	0.16998	-0.0225282	0.0117561	0.0553261	0.321077	0.0540269	2.80E-09	-0.0701645	0.038471	0.06817821	0.525569	10	0.61480595
ENSG00000235098	1	ANKRD65	1353800	rs112581014	1	1351356	A	G	0.0964215	-0.0091034	0.0114067	0.424827	-1.35768	0.145768	1.23E-20	0.00670514	0.0084324	0.4265178	0.217597	20	0.8760777
ENSG00000215915	1	ATAD3C	1385069	rs4590	1	1375810	G	C	0.188867	-0.0138068	0.00926983	0.136373	-0.56551	0.087207	8.89E-11	0.0244148	0.0168188	0.146603	0.6939885	20	0.67014512
ENSG00000160072	1	ATAD3B	1407143	rs144526264	1	1466393	A	G	0.0129225	0.0361086	0.042041	0.390401	-1.97027	0.247444	1.69E-15	-0.0183267	0.0214615	0.3931401	0.5232783	18	0.86188326
ENSG00000160075	1	SSU72	1477053	rs4259576	1	1472873	A	T	0.33499	-0.0217722	0.00861579	0.0115038	0.325764	0.0588688	3.13E-08	-0.0668343	0.0290751	0.02152338	0.9557954	7	0.45306927
ENSG00000272106	1	RP11-345P4.9	1549138	rs7418389	1	1551927	C	T	0.705765	-0.0009425	0.00909257	0.917441	-0.411485	0.0676292	1.17E-09	0.00229052	0.0221002	0.9174531	0.02712456	8	0.98004059
ENSG00000189339	1	SLC35E2B	1592939	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	-0.914141	0.0722333	1.04E-36	-0.0037336	0.0105399	0.7231648	0.4277223	20	0.94727701
ENSG00000269737	1	RP11-345P4.7	1603429	rs28678861	1	1606287	C	G	0.964215	0.059421	0.0198663	0.00278023	-1.56685	0.278505	1.85E-08	-0.0379239	0.0143597	0.00826622	0.7936504	9	0.37928484
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.67714	0.26191	1.52E-10	-0.0079267	0.0184829	0.6680221	0.2568481	4	0.94200099
ENSG00000227775	1	RP1-283E3.4	1655951	rs12725286	1	1599547	T	C	0.684891	0.00395801	0.00910204	0.663673	-0.707089	0.0811196	2.87E-18	-0.0055976	0.0128886	0.6640644	0.6191902	15	0.93853801
ENSG00000231050	1	RP1-140A9.1	1822910	rs12130589	1	1732627	C	T	0.198807	-0.0036799	0.0110148	0.738312	-0.940782	0.124848	4.87E-14	0.00391158	0.0117196	0.7385587	0.8229632	13	0.94727701
ENSG00000142609	1	C1orf222	1853396	rs56126097	1	1900339	G	A	0.238569	-0.0077729	0.00924171	0.400313	-0.448869	0.0747223	1.89E-09	0.0173165	0.0207897	0.4048794	0.9088509	16	0.86982438
ENSG00000233542	1	RP11-547D24.1	1944652	rs72911372	1	1950551	A	G	0.177932	0.00259282	0.0110102	0.813827	0.918981	0.107855	1.59E-17	0.00282141	0.0119855	0.8138962	0.593812	6	0.95331821
ENSG00000272420	1	RP4-740C4.7	2294500	rs2843142	1	2270098	G	A	0.560636	0.00590716	0.00806548	0.463924	-0.390137	0.0676159	7.93E-09	-0.0151412	0.0208393	0.4674892	0.9248213	13	0.88426028
ENSG00000158109	1	TPRG1L	3541566	rs6697769	1	3570883	T	C	0.489066	0.0202286	0.00805817	0.012062	-0.247127	0.0419693	3.90E-09	-0.0818551	0.035447	0.02093117	0.9298133	9	0.45306927
ENSG00000169598	1	DFFB	3773845	rs12084944	1	3798400	T	C	0.516899	-0.0044328	0.00807257	0.582925	0.454149	0.0534083	1.84E-17	-0.0097606	0.0178122	0.5837099	0.6686113	16	0.91214319
ENSG00000198912	1	C1orf174	3805689	rs10797357	1	3821334	A	G	0.719682	-0.0040553	0.00922092	0.660088	0.648831	0.108987	2.63E-09	-0.0062501	0.0142503	0.6609542	0.3824131	3	0.93776151
ENSG00000131697	1	NPHP4	5922871	rs11120871	1	6008591	T	C	0.44831	-0.0013872	0.00813069	0.864527	0.380801	0.0643637	3.29E-09	-0.0036429	0.0213604	0.864583	0.4503078	20	0.97425422
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.613148	0.0754634	4.47E-16	0.00335405	0.0131663	0.7989196	0.09592985	12	0.95044568
ENSG00000238290	1	RP11-431K24.1	8086798	rs498594	1	8046347	T	C	0.427435	9.31E-05	0.00842447	0.991183	0.695509	0.105998	5.33E-11	0.00013386	0.0121127	0.9911826	0.09028963	5	0.99593757
ENSG00000175147	1	TMEM51-AS1	15442448	rs7535492	1	15469612	G	C	0.176938	0.00495515	0.011217	0.658667	-0.728208	0.120468	1.50E-09	-0.0068046	0.0154446	0.6595181	0.8667584	13	0.93681009
ENSG00000228140	1	RP3-467K16.4	15729475	rs2092324	1	15733394	A	G	0.704771	-0.0068303	0.00823923	0.407108	-0.823088	0.0941542	2.29E-18	0.00829832	0.0100551	0.4092076	0.994845	5	0.87188617
ENSG00000162461	1	SLC25A34	16062900	rs6672142	1	16056740	A	C	0.210736	-0.004589	0.0101541	0.651319	-0.546269	0.0779898	2.48E-12	0.00840053	0.0186267	0.6519946	0.0913647	10	0.93515218
ENSG00000186510	1	CLCNKA	16345370	rs945419	1	16344858	T	C	0.568588	0.0116363	0.00807959	0.149807	-0.717407	0.0912661	3.82E-15	-0.0162199	0.0114497	0.1565917	0.3062323	20	0.67326138
ENSG00000232456	1	RP11-5P18.10	16361673	rs9442196	1	16382602	G	A	0.791252	0.00707967	0.0088009	0.421151	0.863277	0.135129	1.67E-10	0.00820092	0.0102753	0.4247989	0.5103753	6	0.8760777
ENSG00000142632	1	ARHGEF19	16524349	rs221035	1	16526529	A	G	0.739563	0.00797882	0.00953297	0.402609	-0.576888	0.0820038	1.99E-12	-0.0138308	0.0166414	0.4059117	0.0925591	8	0.86982438
ENSG00000037637	1	FBXO42	16573334	rs55769277	1	16606327	C	T	0.333996	-0.0206102	0.00859222	0.0164532	-0.36369	0.0652061	2.44E-08	0.0566697	0.0257173	0.02755496	0.9419123	7	0.47888085
ENSG00000215908	1	CROCCP2	16944751	rs277462	1	16847832	C	T	0.597416	0.0115808	0.00849112	0.172609	-0.726807	0.119774	1.29E-09	-0.0159338	0.0119742	0.1832958	0.9876515	9	0.69741952
ENSG00000186715	1	MST1L	17081405	rs7513616	1	17298496	G	A	0.493042	-0.0101638	0.00824174	0.217497	-0.603959	0.0953727	2.41E-10	0.0168286	0.0139025	0.226098	0.08448469	12	0.73598765
ENSG00000159339	1	PADI4	17634690	rs2301888	1	17672730	A	G	0.360835	0.00123487	0.00855385	0.885213	0.863279	0.100669	9.87E-18	0.00143044	0.00990996	0.885229	0.5771284	20	0.97971665
ENSG00000159423	1	ALDH4A1	19197926	rs74968065	1	19221656	A	G	0.0387674	0.0519627	0.0233338	0.025952	0.852336	0.111722	2.36E-14	0.060965	0.0285188	0.03253977	0.2269355	8	0.49768191
ENSG00000127463	1	EMC1	19542158	rs12738339	1	19396736	G	C	0.425447	-0.0207016	0.00812051	0.0107939	-0.419797	0.0576494	3.29E-13	0.0493134	0.020495	0.01612336	0.8890758	20	0.44186828
ENSG00000169914	1	OTUD3	20209006	rs10492999	1	20237760	G	A	0.05666	0.015587	0.0132551	0.239624	0.819374	0.118577	4.84E-12	0.0190231	0.0164097	0.2463507	0.4789703	5	0.75708712
ENSG00000127472	1	PLA2G5	20354672	rs640022	1	20398476	T	C	0.145129	-0.0225665	0.0138745	0.103848	-0.636047	0.0953275	2.52E-11	0.0354793	0.0224524	0.1140609	0.4429237	14	0.64481993
ENSG00000090432	1	MUL1	20825943	rs502812	1	20858234	T	C	0.375746	-0.0016584	0.00854078	0.846037	-0.555999	0.0868977	1.57E-10	0.00298279	0.0153682	0.8461066	0.5498362	14	0.96559734
ENSG00000117245	1	KIF17	20990507	rs604645	1	21043926	C	T	0.7167	0.00039865	0.00905417	0.964881	0.388928	0.0574321	1.27E-11	0.001025	0.0232803	0.9648814	0.4182802	8	0.99462435
ENSG00000227001	1	NBPF2P	21751118	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	0.905576	0.139243	7.84E-11	-0.0147486	0.0105979	0.1640261	0.6979825	11	0.67326138
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.32853	0.103126	5.64E-38	0.0100532	0.00709961	0.1567684	0.2561672	17	0.67326138
ENSG00000218510	1	LINC00339	22351681	rs11801382	1	22352108	T	C	0.27833	0.0065088	0.00916258	0.477476	1.1359	0.103297	3.98E-28	0.00573008	0.00808317	0.4783927	0.08797837	17	0.88426028
ENSG00000179546	1	HTR1D	23516993	rs6688475	1	23550794	A	G	0.578529	0.00742656	0.00831766	0.371929	0.550526	0.0967157	1.25E-08	0.0134899	0.0152933	0.377733	0.9924312	9	0.85270848
ENSG00000204219	1	TCEA3	23707554	rs4649090	1	23781642	T	C	0.671968	-0.0132101	0.00910564	0.146845	0.618315	0.0785338	3.46E-15	-0.0213647	0.0149745	0.1536546	0.5589037	5	0.67219629
ENSG00000187010	1	RHD	25598884	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-1.21047	0.103873	2.21E-31	0.0250361	0.00730997	0.00061498	0.4375271	12	0.23243814
ENSG00000224183	1	SDHDP6	25620655	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.752399	0.122771	8.87E-10	0.0402784	0.0130213	0.00197973	0.3002679	5	0.24369595
ENSG00000188672	1	RHCE	25688740	rs1053438	1	25687901	C	T	0.44334	0.0129332	0.00805866	0.10852	-0.830598	0.0889761	1.01E-20	-0.015571	0.00984458	0.1137231	0.02020148	10	0.64481993
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.797506	0.0754813	4.30E-26	0.0179704	0.01246	0.1492319	0.00667376	20	0.67014512
ENSG00000130695	1	CEP85	26560691	rs112252579	1	26646574	A	G	0.105368	-0.002532	0.0129777	0.84531	0.428581	0.075724	1.52E-08	-0.0059079	0.0302986	0.8454005	0.5189428	4	0.96559734
ENSG00000169442	1	CD52	26644448	rs111486799	1	26577985	A	G	0.206759	-0.0025988	0.00982338	0.791356	-0.763416	0.108397	1.88E-12	0.00340415	0.0128767	0.7914994	0.569072	7	0.95044568
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.43529	0.113357	9.64E-37	0.0149413	0.0134409	0.2662976	0.9064996	13	0.77289867
ENSG00000158161	1	EYA3	28296855	rs11807799	1	28400878	C	T	0.257455	-0.0157694	0.0092449	0.0880562	0.557299	0.0622667	3.55E-19	-0.0282961	0.0168873	0.09382004	0.5335498	10	0.64379887
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.03307	0.0848454	4.18E-34	0.00666278	0.00875244	0.4465084	0.6345082	17	0.8760777
ENSG00000204138	1	PHACTR4	28696114	rs6700020	1	28809466	A	G	0.349901	0.0166523	0.00838122	0.0469386	-0.410788	0.0687068	2.25E-09	-0.0405375	0.0214999	0.05936571	0.2245192	10	0.5969465
ENSG00000084628	1	NKAIN1	31652592	rs7545480	1	31672166	C	G	0.777336	-0.004437	0.009285	0.632747	0.692819	0.0891791	7.92E-15	-0.0064042	0.0134271	0.6333886	0.2884079	20	0.93051058
ENSG00000116883	1	RP11-268J15.5	36789335	rs58971913	1	36787888	A	G	0.420477	-0.0083925	0.00832426	0.313362	0.467323	0.0542449	6.99E-18	-0.0179586	0.0179342	0.3166526	0.453485	10	0.81774291
ENSG00000233621	1	RP11-422J8.1	37920480	rs75785507	1	37939999	A	G	0.328032	-0.0199136	0.00817582	0.0148638	-0.783561	0.0987386	2.09E-15	0.0254142	0.0109146	0.01988749	0.0325618	10	0.45306927
ENSG00000163879	1	DNALI1	38022520	rs41267305	1	38002251	C	G	0.0536779	0.0102118	0.0138964	0.462429	-0.658924	0.106213	5.51E-10	-0.0154977	0.021237	0.4655427	0.3317057	5	0.88426028
ENSG00000204084	1	INPP5B	38326369	rs12760154	1	38284616	C	G	0.280318	0.00660722	0.00863572	0.44421	0.385099	0.0655116	4.14E-09	0.0171572	0.0226138	0.4480296	0.7834363	4	0.8760777
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-0.865629	0.131021	3.93E-11	0.00677911	0.0193015	0.7254219	0.9710029	3	0.94727701
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.668512	0.0905928	1.59E-13	-0.0007089	0.0125062	0.9547991	0.2098985	9	0.99296872
ENSG00000043514	1	TRIT1	40306723	rs137882240	1	40346661	A	G	0.101392	0.0213879	0.0134163	0.110898	-0.595292	0.108034	3.58E-08	-0.0359284	0.0234616	0.1256776	0.9111946	4	0.65842282
ENSG00000187815	1	ZFP69	40942887	rs6600339	1	40940020	G	A	0.32505	-0.0047949	0.00877215	0.584649	-0.767201	0.109813	2.82E-12	0.00624989	0.0114689	0.5857935	0.9460709	14	0.91293094
ENSG00000238287	1	RP11-656D10.3	40958829	rs7547819	1	40948479	C	T	0.32505	-0.0046961	0.00877462	0.592517	-0.892461	0.109058	2.76E-16	0.00526198	0.00985294	0.5933059	0.5525667	16	0.92100121
ENSG00000164002	1	EXO5	40974413	rs4660419	1	41018167	C	T	0.191849	-0.0058474	0.0101618	0.564999	0.559247	0.101965	4.14E-08	-0.0104559	0.0182702	0.5671259	0.8336832	3	0.91214319
ENSG00000164008	1	C1orf50	43232940	rs33950227	1	43296173	T	C	0.252485	0.0040992	0.00844432	0.627365	-0.671648	0.081448	1.63E-16	-0.0061032	0.0125943	0.6279603	0.4517532	20	0.92830685
ENSG00000177868	1	CCDC23	43272723	rs33950227	1	43296173	T	C	0.252485	0.0040992	0.00844432	0.627365	0.604236	0.082795	2.92E-13	0.0067841	0.0140061	0.6281245	0.4413111	14	0.92830685
ENSG00000164010	1	ERMAP	43282795	rs12406279	1	43310639	G	A	0.16501	-0.0001929	0.0113428	0.986428	-0.560309	0.0972488	8.33E-09	0.00034435	0.0202439	0.9864286	0.1389623	3	0.99593757
ENSG00000227533	1	SLC2A1-AS1	43424720	rs841839	1	43430084	A	C	0.469185	-0.0085103	0.00812322	0.294802	0.855495	0.111506	1.69E-14	-0.0099478	0.00958346	0.2992644	0.4981038	10	0.80544615
ENSG00000117407	1	ARTN	44398992	rs4660262	1	44382524	A	G	0.740557	0.0036237	0.00934151	0.69808	-0.726022	0.129357	1.99E-08	-0.0049912	0.0128974	0.6987632	0.9774178	3	0.94727701
ENSG00000232022	1	RP5-1109J22.1	46897801	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	-0.671783	0.0774539	4.20E-18	-0.002032	0.0128473	0.8743287	0.7321613	20	0.97736574
ENSG00000272491	1	RP5-1024N4.4	48693560	rs2275309	1	48937691	T	A	0.428429	-0.0021491	0.00829875	0.79566	0.566248	0.0971438	5.58E-09	-0.0037954	0.0146701	0.7958569	0.3364316	17	0.95044568
ENSG00000227742	1	CALR4P	52027538	rs12142039	1	52048980	T	C	0.459245	-0.0018018	0.00862102	0.83445	-0.574134	0.0988529	6.32E-09	0.00313824	0.0150254	0.8345559	0.184057	4	0.95954475
ENSG00000162377	1	SELRC1	53152508	rs392350	1	53157747	T	C	0.365805	0.00537571	0.00843972	0.524155	-0.298778	0.0406962	2.11E-13	-0.0179923	0.0283536	0.525709	0.440183	5	0.8908562
ENSG00000162378	1	ZYG11B	53192126	rs534703	1	53273481	G	A	0.336978	-0.0095231	0.00827654	0.249891	0.187452	0.0294611	1.98E-10	-0.0508029	0.044869	0.2575297	0.3073143	15	0.77102595
ENSG00000162383	1	SLC1A7	53552855	rs3737989	1	53600078	G	A	0.159046	0.0209027	0.0107785	0.052465	1.03627	0.119341	3.84E-18	0.0201711	0.0106575	0.05840206	0.8878714	13	0.5969465
ENSG00000162384	1	C1orf123	53679771	rs11206124	1	53660773	G	A	0.312127	-0.0123929	0.00826766	0.133885	-0.495637	0.0739245	2.02E-11	0.025004	0.0170927	0.1435092	0.617987	7	0.66790255
ENSG00000184313	1	MROH7	55107463	rs573411	1	55052071	A	G	0.55169	-0.0001067	0.00806712	0.989452	0.30264	0.0542201	2.38E-08	-0.0003524	0.0266559	0.9894519	0.8257226	8	0.99593757
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.22497	0.0897541	2.07E-42	0.0132798	0.00705817	0.05990594	0.3451915	10	0.5969465
ENSG00000177414	1	UBE2U	64669310	rs705544	1	64728286	G	A	0.65507	0.00520872	0.0088891	0.557898	-0.892726	0.0914641	1.66E-22	-0.0058346	0.00997518	0.5586056	0.5409726	20	0.91086573
ENSG00000213625	1	LEPROT	65886270	rs4592284	1	65867391	G	C	0.581511	0.0110689	0.00814798	0.174311	-0.299789	0.0393064	2.40E-14	-0.0369223	0.0276068	0.1810809	0.573192	8	0.69422261
ENSG00000197568	1	HHLA3	70820488	rs7536099	1	70821757	G	A	0.261431	0.0037354	0.0107382	0.727944	-0.450589	0.0778476	7.12E-09	-0.00829	0.0238745	0.7284152	0.8307332	5	0.94727701
ENSG00000162620	1	LRRIQ3	74491699	rs533371	1	74687012	G	A	0.464215	0.00108298	0.00807081	0.893257	-0.809842	0.107144	4.08E-14	-0.0013373	0.00996748	0.8932732	0.9289888	11	0.97987891
ENSG00000116783	1	TNNI3K	74663947	rs34018059	1	74641756	G	C	0.407555	0.00105024	0.0085646	0.902403	0.507927	0.0781028	7.86E-11	0.0020677	0.0168649	0.9024208	0.7920005	3	0.97987891
ENSG00000272864	1	RP11-17E13.2	75164453	rs1327086	1	75271032	G	A	0.505964	0.00324765	0.00817326	0.69111	-0.817739	0.0889383	3.77E-20	-0.0039715	0.0100043	0.6913821	0.3214509	20	0.94651419
ENSG00000116791	1	CRYZ	75171170	rs17617240	1	75173938	T	C	0.0417495	0.0514158	0.0279986	0.066304	-1.27181	0.183589	4.28E-12	-0.0404273	0.0227751	0.07588754	0.00957033	8	0.61606353
ENSG00000057468	1	MSH4	76262567	rs4612585	1	76369901	T	C	0.383698	-0.0051365	0.00816623	0.529353	-0.719079	0.096391	8.65E-14	0.00714319	0.0113968	0.5308091	0.997346	20	0.89543678
ENSG00000236268	1	RP11-170N11.1	83439565	rs17109470	1	83445740	A	G	0.0606362	-0.0041306	0.0145691	0.77678	0.906589	0.147964	8.95E-10	-0.0045562	0.0160874	0.7770122	0.8301519	5	0.94953271
ENSG00000153898	1	MCOLN2	85391268	rs7519134	1	85463208	C	A	0.466203	-0.0018683	0.00823929	0.820618	-0.716505	0.0905403	2.50E-15	0.00260746	0.011504	0.8206904	0.621474	20	0.95533382
ENSG00000055732	1	MCOLN3	85483765	rs4907019	1	85522897	C	G	0.241551	0.00666912	0.00967591	0.490666	-0.602137	0.106039	1.36E-08	-0.0110758	0.0161872	0.4938313	0.4311866	15	0.88426028
ENSG00000153936	1	HS2ST1	87380331	rs61771745	1	87451542	G	A	0.148111	-0.0095037	0.0125461	0.448753	-0.353331	0.0598129	3.48E-09	0.0268973	0.0357988	0.4524439	0.5854361	20	0.87797516
ENSG00000137944	1	CCBL2	89401456	rs7517036	1	89443967	T	A	0.454274	-0.007389	0.0082254	0.369019	-0.732012	0.0781118	7.16E-21	0.0100941	0.0112882	0.3712082	0.4503162	17	0.84538623
ENSG00000117226	1	GBP3	89472349	rs12121223	1	89481583	T	C	0.32008	0.0176619	0.00946381	0.0620055	-0.856855	0.0792414	2.98E-27	-0.0206125	0.0112081	0.06590529	0.557898	20	0.61480595
ENSG00000162669	1	HFM1	91726323	rs282057	1	91821503	G	A	0.641153	-0.002974	0.00840165	0.723354	-0.45642	0.0792901	8.60E-09	0.00651595	0.0184425	0.7238546	0.1347697	3	0.94727701
ENSG00000097046	1	CDC7	91966408	rs17501512	1	92012481	C	G	0.489066	0.00150213	0.00805929	0.852143	-0.38373	0.0671204	1.08E-08	-0.0039146	0.0210137	0.8522205	0.2523562	6	0.96738312
ENSG00000273487	1	RP4-621B10.8	92654794	rs71650498	1	93006340	T	C	0.0407555	-0.0553524	0.0226764	0.0146477	0.89094	0.160669	2.94E-08	-0.0621281	0.0278091	0.02547677	0.01325736	9	0.47366505
ENSG00000223745	1	RP4-717I23.3	93727743	rs10874774	1	93799002	T	C	0.805169	-0.0013983	0.0109173	0.898083	0.938743	0.0751089	7.61E-36	-0.0014896	0.0116303	0.8980879	0.05226541	19	0.97987891
ENSG00000230439	1	RP11-488P3.1	94218480	rs4141737	1	94344110	A	G	0.32505	0.00329634	0.00880659	0.708177	0.703107	0.123463	1.23E-08	0.00468825	0.0125523	0.7087779	0.5780554	8	0.94727701
ENSG00000260464	1	RP4-561L24.3	94312730	rs6660210	1	94304926	T	C	0.497018	-0.0009442	0.008066	0.906815	-0.330414	0.0594761	2.77E-08	0.00285756	0.0244172	0.9068359	0.7538073	6	0.97987891
ENSG00000143036	1	SLC44A3	95285898	rs859117	1	95306057	G	T	0.89165	0.0156465	0.0127188	0.218627	0.495328	0.0741802	2.43E-11	0.0315882	0.0261097	0.2263455	0.3958991	4	0.73598765
ENSG00000122481	1	RWDD3	95699711	rs259334	1	95739701	T	C	0.917495	-0.0125911	0.0135638	0.353256	-0.554903	0.0858089	1.00E-10	0.0226906	0.0246941	0.3581645	0.4213593	20	0.8429066
ENSG00000225206	1	MIR137HG	98453556	rs4414075	1	98307452	C	T	0.0785288	-0.0176222	0.0162744	0.27889	0.550616	0.0919003	2.08E-09	-0.0320045	0.0300355	0.2866247	0.8293017	5	0.78981918
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-0.498103	0.084922	4.48E-09	-0.0190794	0.019217	0.3207885	0.5268189	4	0.82332315
ENSG00000121940	1	CLCC1	109472130	rs17030016	1	109394564	C	T	0.0536779	-0.052403	0.0233517	0.0248273	0.615307	0.108089	1.25E-08	-0.0851656	0.0407937	0.03682353	0.02429168	4	0.50611661
ENSG00000168765	1	GSTM4	110198703	rs506912	1	110191977	A	C	0.670974	0.00717462	0.00886255	0.418203	0.560126	0.0856104	6.04E-11	0.0128089	0.0159431	0.4217338	0.9721526	3	0.8760777
ENSG00000134184	1	GSTM1	110230436	rs11101992	1	110266754	C	A	0.23161	-0.013022	0.00967612	0.17837	0.732891	0.131523	2.51E-08	-0.017768	0.0135823	0.1908135	0.6140126	7	0.70839193
ENSG00000134201	1	GSTM5	110254864	rs4970776	1	110271457	A	T	0.379722	0.00238489	0.00822266	0.771786	-0.814828	0.0854493	1.49E-21	-0.0029269	0.010096	0.7718892	0.2906288	20	0.94953271
ENSG00000134202	1	GSTM3	110276554	rs6673666	1	110273908	T	G	0.181909	-0.0050409	0.0105566	0.632999	0.826087	0.0766557	4.44E-27	-0.0061021	0.0127916	0.6333317	0.2722016	16	0.93051058
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.532133	0.0587222	1.28E-19	0.00877566	0.0162656	0.5895262	0.2776374	18	0.91802304
ENSG00000260948	1	RP11-552M11.8	111973668	rs12740822	1	112015292	C	T	0.599404	-0.0047025	0.00810259	0.561663	0.584756	0.09806	2.47E-09	-0.0080419	0.0139218	0.5635051	0.08544161	7	0.91214319
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	1.07569	0.11361	2.84E-21	-0.000164	0.00909576	0.9856174	0.310119	13	0.99593757
ENSG00000273483	1	RP4-671G15.2	113060421	rs10745330	1	113083439	T	C	0.481113	-0.0051757	0.00812499	0.524115	-0.393534	0.0598158	4.73E-11	0.013152	0.0207428	0.5260483	0.3906741	8	0.8908562
ENSG00000007341	1	ST7L	113066140	rs6537748	1	113214381	G	T	0.446322	0.00815718	0.00849244	0.336792	-0.502936	0.0910292	3.29E-08	-0.0162191	0.017139	0.3439813	0.7262317	7	0.8363037
ENSG00000116874	1	WARS2	119573839	rs2645303	1	119555146	T	G	0.450298	-0.0058514	0.00805711	0.46769	-0.780832	0.0808072	4.33E-22	0.00749381	0.0103477	0.4689434	0.2260394	19	0.88426028
ENSG00000231365	1	RP11-418J17.1	119683019	rs10923767	1	119732347	T	C	0.27833	-0.011797	0.00933834	0.206486	-0.815162	0.0920361	8.22E-19	0.014472	0.0115717	0.2110697	0.9821393	16	0.73142018
ENSG00000223345	1	HIST2H2BA	120906028	rs11249433	1	121280613	G	A	0.431412	-0.006729	0.00844376	0.425495	0.603053	0.108822	3.00E-08	-0.0111583	0.0141457	0.4302231	0.6440547	12	0.8760777
ENSG00000223804	1	RP6-206I17.1	143647638	rs71259660	1	144581564	A	C	0.206759	-0.0042204	0.00987884	0.669223	-0.610073	0.100127	1.11E-09	0.00691783	0.0162326	0.6699855	0.4712273	13	0.94200099
ENSG00000227733	1	RP4-565E6.1	146093234	rs74124103	1	147734892	T	C	0.153082	-0.0132889	0.0103852	0.200685	-0.887753	0.158448	2.11E-08	0.0149691	0.0119995	0.2122219	0.8696414	6	0.7320182
ENSG00000162836	1	ACP6	147101453	rs12045115	1	147118181	C	T	0.578529	-0.003774	0.00818441	0.644712	0.650049	0.066394	1.23E-22	-0.0058057	0.0126044	0.6450784	0.4205498	13	0.93485806
ENSG00000143376	1	SNX27	151584541	rs17641780	1	151659071	G	A	0.33499	0.0214244	0.00857104	0.0124325	0.436909	0.0797408	4.27E-08	0.0490363	0.0215625	0.02295707	0.01651714	5	0.45306927
ENSG00000159445	1	THEM4	151846060	rs11204915	1	151882826	T	C	0.604374	0.00064914	0.00840002	0.938402	0.437991	0.0747643	4.68E-09	0.00148208	0.0191802	0.9384078	0.89454	7	0.99087277
ENSG00000197747	1	S100A10	151955391	rs999992	1	151996692	C	G	0.32008	-0.0062518	0.0091518	0.494529	-0.465466	0.0704284	3.87E-11	0.0134313	0.0197663	0.4968189	0.6981095	8	0.88426028
ENSG00000237975	1	FLG-AS1	152140601	rs61815526	1	152238688	A	G	0.133201	-0.0067935	0.0119593	0.570003	-1.14734	0.134819	1.74E-17	0.00592104	0.0104467	0.5708594	0.3341716	11	0.91214319
ENSG00000189171	1	S100A13	153591263	rs3806233	1	153600778	A	G	0.442346	0.0126267	0.00820662	0.123902	0.313125	0.0389312	8.76E-16	0.0403248	0.026684	0.1307382	0.6766681	18	0.65842282
ENSG00000163354	1	DCST2	154990996	rs10908452	1	155001929	C	T	0.361829	0.00936987	0.00816775	0.251308	-0.5065	0.0869491	5.70E-09	-0.0184992	0.0164356	0.2603516	0.3355178	7	0.77251343
ENSG00000163382	1	APOA1BP	156561554	rs12118894	1	156552711	G	C	0.245527	0.0192558	0.00968217	0.046724	-0.627769	0.075508	9.26E-17	-0.0306734	0.0158583	0.05308616	0.4125952	13	0.59174573
ENSG00000158714	1	SLAMF8	159796540	rs61157618	1	159809142	T	A	0.162028	0.0264119	0.011771	0.0248439	-0.55589	0.100856	3.55E-08	-0.0475128	0.0228625	0.03769076	0.2667082	4	0.50611661
ENSG00000188004	1	C1orf204	159804264	rs11807946	1	159824205	T	C	0.241551	-0.0003187	0.00923912	0.972483	-0.626692	0.106548	4.06E-09	0.00050854	0.0147429	0.9724835	0.2141851	6	0.99535579
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.881756	0.0685531	7.33E-38	0.014728	0.00950682	0.1213328	0.4917816	10	0.65842282
ENSG00000143318	1	CASQ1	160160285	rs3747623	1	160163509	T	C	0.372763	0.00371932	0.00819467	0.649922	-0.408125	0.066992	1.11E-09	-0.0091132	0.0201345	0.6508251	0.1183382	5	0.93515218
ENSG00000185860	1	C1orf110	162794248	rs12090563	1	162831391	A	G	0.188867	0.0344552	0.0107537	0.00135522	0.788547	0.109874	7.14E-13	0.0436945	0.0149347	0.00343673	0.2986305	9	0.26312201
ENSG00000225171	1	DUTP6	166837985	rs6675750	1	166827224	A	G	0.417495	0.00012425	0.00821184	0.987928	0.553016	0.0983775	1.89E-08	0.00022468	0.0148492	0.9879277	0.7018915	4	0.99593757
ENSG00000143194	1	MAEL	166958346	rs7551881	1	166955312	T	G	0.32505	-0.0066086	0.00853796	0.438916	-0.767445	0.0817194	5.93E-21	0.00861116	0.0111629	0.4404647	0.3662972	20	0.8760777
ENSG00000117477	1	CCDC181	169364108	rs16862199	1	169434120	C	T	0.186879	0.0072257	0.0102991	0.48294	-0.482515	0.0774409	4.64E-10	-0.0149751	0.0214795	0.4856903	0.698309	8	0.88426028
ENSG00000171806	1	METTL18	169761670	rs12142961	1	170049553	C	T	0.102386	-0.0131525	0.016092	0.413741	-1.02847	0.128052	9.62E-16	0.0127884	0.0157274	0.4161423	0.649479	6	0.8760777
ENSG00000000457	1	SCYL3	169818772	rs16862682	1	169757024	T	C	0.501988	0.0107127	0.00815693	0.189073	-0.488935	0.0796534	8.34E-10	-0.0219103	0.0170606	0.1990514	0.8283056	7	0.7153523
ENSG00000120370	1	GORAB	170501270	rs79008867	1	170438151	G	A	0.161034	0.00173786	0.0121573	0.886331	-0.559698	0.100304	2.41E-08	-0.003105	0.0217283	0.8863684	0.1197328	8	0.97971665
ENSG00000271811	1	RP1-79C4.4	170636522	rs494339	1	170578587	A	G	0.567594	-0.0098978	0.00812943	0.223404	-0.569002	0.0846593	1.80E-11	0.017395	0.0145197	0.2309054	0.6243417	8	0.73598765
ENSG00000094963	1	FMO2	171154347	rs10798252	1	171156431	G	A	0.387674	0.00682553	0.00825734	0.408463	-0.56424	0.10031	1.86E-08	-0.0120969	0.0147916	0.4134609	0.8490248	5	0.8760777
ENSG00000162753	1	SLC9C2	173469603	rs61826793	1	173646773	A	G	0.121272	0.0204003	0.0128743	0.113064	0.98076	0.166222	3.63E-09	0.0208005	0.013592	0.1259303	0.7581684	10	0.65842282
ENSG00000117601	1	SERPINC1	173872947	rs7528380	1	173896153	A	G	0.122266	0.0224657	0.0129774	0.0834257	0.92026	0.163255	1.73E-08	0.0244123	0.0147519	0.09795282	0.9067947	5	0.64481993
ENSG00000242193	1	RP11-568K15.1	177975271	rs34322793	1	177982948	C	T	0.28827	-0.0014215	0.00888977	0.872962	-0.396221	0.0696624	1.29E-08	0.00358752	0.0224453	0.8730117	0.4614104	6	0.97703206
ENSG00000143322	1	ABL2	179068462	rs1173077	1	179220878	T	C	0.382704	0.00081421	0.00848496	0.923553	0.460127	0.0690077	2.60E-11	0.00176952	0.0184424	0.9235612	0.8763101	14	0.98275204
ENSG00000227141	1	RP11-545A16.3	179555840	rs3765547	1	179542602	A	G	0.317097	-0.0002555	0.00927178	0.978016	0.429285	0.0783223	4.23E-08	-0.0005952	0.0215985	0.9780161	0.3473111	6	0.99593757
ENSG00000162782	1	TDRD5	179560748	rs10913821	1	179549586	A	G	0.319085	-0.0055703	0.00952423	0.558648	0.568966	0.0655771	4.09E-18	-0.0097902	0.0167775	0.5595384	0.00315404	20	0.91086573
ENSG00000135828	1	RNASEL	182542769	rs610367	1	182571003	T	C	0.606362	-0.0016419	0.0082967	0.843127	-0.516893	0.0807641	1.55E-10	0.00317644	0.0160588	0.8432008	0.9892568	6	0.96559734
ENSG00000058085	1	LAMC2	183155373	rs481023	1	183161869	T	G	0.333002	0.00295272	0.00817724	0.718032	0.799148	0.106953	7.90E-14	0.00369483	0.0102444	0.7183468	0.04463598	20	0.94727701
ENSG00000244414	1	CFHR1	196788887	rs10922105	1	196690250	C	A	0.423459	-0.0191363	0.00822959	0.0200553	-0.617101	0.0973227	2.29E-10	0.03101	0.0142044	0.02902597	0.1454312	10	0.48674683
ENSG00000118197	1	DDX59	200593024	rs12061556	1	200650239	C	G	0.425447	0.0215943	0.00805502	0.00734345	-0.459415	0.067288	8.64E-12	-0.0470039	0.0188364	0.01258218	0.304351	5	0.44186828

ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.842582	0.0820332	9.50E-25	0.0229668	0.00983049	0.01947664	0.1599207	17	0.45306927
ENSG00000198892	1	SHISA4	201857808	rs10920265	1	201822955	T	C	0.206759	-0.0148616	0.00946628	0.116426	-0.425893	0.070073	1.22E-09	0.0348951	0.0229564	0.1284961	0.625755	5	0.65842282
ENSG00000214796	1	RP11-480I12.5	202820956	rs3795590	1	202842935	T	C	0.409543	0.00222796	0.00811171	0.783578	-0.560715	0.0856751	5.96E-11	-0.0039734	0.0144795	0.7837633	0.2118442	6	0.94953271
ENSG00000162877	1	PM20D1	205797150	rs9438393	1	205782718	G	A	0.394632	0.0119225	0.00809409	0.140753	-0.746817	0.111492	2.11E-11	-0.0159644	0.0110971	0.1502595	0.2723821	9	0.67014512
ENSG00000236809	1	SNX25P1	211590367	rs11580728	1	211614280	T	C	0.206759	-0.0041233	0.011083	0.709865	0.753891	0.115833	7.59E-11	-0.0054693	0.0147251	0.7103172	0.5976933	11	0.94727701
ENSG00000226251	1	RP11-15I11.3	212398620	rs2884466	1	212555668	A	G	0.200795	-0.0007562	0.010457	0.94235	0.914626	0.112426	4.11E-16	-0.0008268	0.0114335	0.9423524	0.9899634	11	0.99087277
ENSG00000198468	1	FLVCR1-AS1	213025450	rs11120060	1	213062180	A	G	0.563618	0.00589961	0.00824684	0.474375	1.04533	0.0850905	1.09E-34	0.00564378	0.00790259	0.475123	0.612817	20	0.88426028
ENSG00000067533	1	RRP15	218458629	rs10863387	1	218471383	C	T	0.404573	0.0152508	0.0080681	0.0587232	0.619845	0.0900467	5.84E-12	0.0246042	0.0134982	0.06833629	0.5552336	4	0.61480595
ENSG00000272823	1	RP11-295M18.6	221002018	rs11118618	1	221011546	T	C	0.244533	-0.0084943	0.00939039	0.365691	0.87118	0.115833	5.44E-14	-0.0097503	0.0108566	0.3691316	0.1108818	20	0.84538623
ENSG00000238078	1	RP11-295M18.2	221002597	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.813611	0.0993508	2.63E-16	-0.0067979	0.010522	0.5182386	0.1985398	20	0.88902293
ENSG00000225265	1	RP11-378J18.3	222763167	rs17011636	1	222725850	C	T	0.250497	-0.0185849	0.00960791	0.0530726	-0.567287	0.0937676	1.45E-09	0.032761	0.0177812	0.06540923	0.4297312	3	0.61480595
ENSG00000272750	1	RP11-378J18.8	222832209	rs36079339	1	222841614	A	G	0.737575	0.00622464	0.00925388	0.501169	-0.899133	0.0911112	5.70E-23	-0.0069229	0.0103159	0.5021602	0.2935925	20	0.88426028
ENSG00000272645	1	RP11-504P24.8	224139096	rs61823657	1	224112617	G	C	0.412525	-0.0108762	0.00819042	0.184205	-0.37736	0.052053	4.18E-13	0.0288218	0.0220656	0.1914895	0.2085342	13	0.70883449
ENSG00000243709	1	LEFTY1	226073982	rs3753669	1	226071994	A	G	0.110338	-0.0267522	0.010859	0.0137547	-0.746077	0.126697	3.89E-09	0.0358572	0.0157772	0.02304311	0.2966864	5	0.45306927
ENSG00000163041	1	H3F3A	226249552	rs12096468	1	226258270	T	C	0.279324	0.00721052	0.0089963	0.422843	0.493328	0.060222	2.57E-16	0.0146161	0.018323	0.4250508	0.1039535	18	0.8760777
ENSG00000185155	1	MIXL1	226411319	rs7552015	1	226460188	C	G	0.67992	-0.0032228	0.0094242	0.732372	0.647383	0.110988	5.45E-09	-0.0049782	0.0145824	0.7328126	0.5989899	5	0.94727701
ENSG00000143740	1	SNAP47	227916240	rs2295994	1	227922918	C	A	0.397614	-0.0199336	0.00821267	0.0152167	-0.259396	0.0402732	1.19E-10	0.0768462	0.0338342	0.02313116	0.9497437	6	0.45306927
ENSG00000135744	1	AGT	230838269	rs10864768	1	230825447	C	T	0.210736	-0.0026523	0.00911636	0.771095	-0.33159	0.0512015	9.41E-11	0.00799885	0.0275206	0.7713192	0.4575805	7	0.94953271
ENSG00000135773	1	CAPN9	230883130	rs11579420	1	230896238	G	A	0.571571	0.00289741	0.00826379	0.725877	0.469735	0.0740905	2.30E-10	0.00616818	0.0176193	0.7262785	0.7948292	17	0.94727701
ENSG00000182118	1	FAM89A	231154704	rs4310430	1	231172881	G	T	0.316103	-0.0017052	0.00892144	0.848421	0.550992	0.0638409	6.10E-18	-0.0030948	0.0161956	0.8484574	0.03887778	14	0.96559734
ENSG00000135778	1	NTPCR	233086351	rs12410594	1	233070803	C	T	0.162028	0.00257352	0.0107866	0.811429	0.851731	0.083486	1.94E-24	0.00302152	0.0126678	0.811478	0.5325059	12	0.95331821
ENSG00000231663	1	RP5-827C21.4	234508553	rs11549817	1	234508956	C	A	0.0934394	0.00186299	0.0174304	0.914883	1.03862	0.151765	7.72E-12	0.00179372	0.0167843	0.9148932	0.7324128	4	0.97987891
ENSG00000168275	1	COA6	234509202	rs10910420	1	234509259	C	G	0.49503	8.97E-05	0.00812127	0.991186	0.382017	0.0599944	1.92E-10	0.00023486	0.021259	0.9911857	0.3613442	6	0.99593757
ENSG00000224939	1	LINC00184	234765057	rs6696170	1	234772346	T	C	0.205765	-0.0173101	0.0105865	0.102027	0.762578	0.101232	4.96E-14	-0.0226994	0.0142058	0.1100649	0.03432692	13	0.64481993
ENSG00000086619	1	ERO1LB	236378855	rs2812473	1	236428895	G	A	0.279324	-0.013785	0.00835669	0.0990285	0.585491	0.0973617	1.81E-09	-0.0235443	0.0148002	0.1116521	0.5462803	9	0.64481993
ENSG00000162843	1	WDR64	241815580	rs12037241	1	241853637	T	G	0.373757	0.00440128	0.00870212	0.613018	0.590246	0.098887	2.39E-09	0.00745669	0.014796	0.614286	0.3250153	4	0.92780325
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	0.959346	0.0860336	7.09E-29	0.0067851	0.00864469	0.4325201	0.700237	20	0.8760777
ENSG00000224525	1	RP11-561I11.3	242366857	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.01145	0.0894038	1.13E-29	0.00643557	0.00819879	0.4324876	0.7027219	20	0.8760777
ENSG00000272195	1	RP11-156E8.1	245132652	rs2291426	1	245134114	C	A	0.582505	0.0265544	0.0086617	0.0021714	1.04246	0.0798947	6.53E-39	0.0254728	0.00853517	0.00284086	0.1192952	20	0.24369595
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.751339	0.0605247	2.20E-35	-0.0151814	0.0108559	0.1619786	0.00326663	20	0.67326138
ENSG00000260855	1	RP11-439E19.10	246935603	rs3795464	1	246940179	A	G	0.380716	0.0106838	0.00868637	0.218715	0.64238	0.0855636	6.02E-14	0.0166316	0.0137024	0.2248358	0.7152051	20	0.73598765
ENSG00000188295	1	ZNF669	247263264	rs2270616	1	247267668	T	G	0.388668	-0.0017997	0.00825834	0.827489	0.484415	0.0884454	4.33E-08	-0.0037152	0.0170616	0.8276236	0.5865859	5	0.95665234
ENSG00000221953	1	C1orf229	247273462	rs6696117	1	247273748	T	C	0.364811	0.00668193	0.00866841	0.440803	-0.620002	0.0774151	1.16E-15	-0.0107773	0.0140459	0.4429085	0.6089342	20	0.8760777
ENSG00000196418	1	ZNF124	247285277	rs4925715	1	247288469	T	G	0.277336	0.00980286	0.00936003	0.294957	-0.976165	0.100763	3.40E-22	-0.0100422	0.00964444	0.2977624	0.9451049	19	0.80544615
ENSG00000162714	1	ZNF496	247460714	rs4925532	1	247482434	T	C	0.663022	0.0101642	0.00828104	0.219672	-0.432338	0.0673531	1.37E-10	-0.0235098	0.0195011	0.2279855	0.4184107	8	0.73598765
ENSG00000226191	1	RP11-438H8.8	248099363	rs12125187	1	248099308	C	T	0.687873	0.00918306	0.00882165	0.29789	-0.452823	0.0803791	1.76E-08	-0.0202796	0.0198112	0.3060053	0.8145885	5	0.80715034
ENSG00000196071	1	OR2L13	248100493	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.607391	0.0794457	2.08E-14	-0.0066556	0.0140454	0.635598	0.2578375	15	0.93167523
ENSG00000224521	1	RP11-438F14.3	248712057	rs11485847	1	248691455	T	C	0.800199	0.00371726	0.00934035	0.690645	-0.76062	0.114409	2.97E-11	-0.0048871	0.0123019	0.6911702	0.09979941	3	0.94651419
ENSG00000272342	2	RP13-539J13.1	739588	rs60576697	2	742849	A	G	0.234592	-0.0051967	0.00974538	0.593864	1.0086	0.128062	3.38E-15	-0.0051524	0.00968441	0.594707	0.7755474	10	0.92176189
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs10178877	2	3478452	G	A	0.512922	-0.0101563	0.00808064	0.208803	-0.557158	0.0804066	4.23E-12	0.0182288	0.01474	0.2162026	0.9559919	16	0.7320182
ENSG00000234171	2	AC108488.3	3606082	rs12629	2	3609064	A	G	0.295229	0.0086602	0.00838912	0.301926	-1.08278	0.0744849	7.07E-48	-0.0079981	0.00776727	0.3031414	0.5972505	10	0.80715034
ENSG00000118004	2	COLEC11	3642426	rs11123637	2	3654190	C	T	0.644135	-0.0065833	0.00898982	0.463982	-0.877321	0.103845	2.95E-17	0.00750387	0.0102853	0.4656528	0.6290687	16	0.88426028
ENSG00000151360	2	ALLC	3705785	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.61435	0.16051	8.50E-24	-0.0073141	0.00814095	0.3689552	0.584366	8	0.84538623
ENSG00000271952	2	RP11-245G13.2	11018395	rs34413173	2	10984402	A	G	0.421471	0.0124559	0.00846711	0.141265	0.815817	0.12004	1.07E-11	0.015268	0.010619	0.1504923	0.2831147	3	0.67014512
ENSG00000178295	2	GEN1	17935125	rs300160	2	17981589	A	G	0.553678	-0.0091175	0.00807772	0.259013	-0.406218	0.0714405	1.30E-08	0.0224449	0.0202732	0.26824	0.8727184	10	0.77373906
ENSG00000183891	2	TTC32	20096404	rs10495701	2	20197851	T	A	0.112326	-0.0328086	0.0151156	0.0299675	1.32826	0.136501	2.23E-22	-0.0247004	0.0116597	0.03413685	0.6663324	20	0.49917972
ENSG00000118961	2	C2orf43	20883788	rs10182643	2	20884586	C	G	0.246521	0.00474416	0.00930063	0.609988	-0.678896	0.0859933	2.91E-15	-0.0069881	0.0137282	0.610732	0.3450799	17	0.92780325
ENSG00000219626	2	FAM228B	24299396	rs12713210	2	24351009	C	T	0.138171	0.032876	0.010158	0.00121018	-0.811635	0.119226	9.93E-12	-0.0405059	0.0138579	0.0034674	0.1616116	9	0.26312201
ENSG00000232642	2	AC008073.7	24388753	rs6545340	2	24422269	G	C	0.315109	-0.0220477	0.00902358	0.0145519	1.03713	0.119837	4.95E-18	-0.0212584	0.00904062	0.01870142	0.09042524	20	0.45306927
ENSG00000171103	2	TRMT61B	29072687	rs62131974	2	29046814	T	C	0.491054	0.0133447	0.00807803	0.0985394	-0.368553	0.0620336	2.83E-09	-0.0362084	0.0227498	0.1114761	0.7894464	10	0.64481993
ENSG00000189350	2	FAM179A	29179477	rs74175081	2	29180123	A	G	0.208748	-0.0120832	0.0122227	0.322867	0.956502	0.103351	2.15E-20	-0.0126327	0.0128512	0.3256101	0.856868	20	0.82362657
ENSG00000179270	2	C2orf71	29283842	rs13016696	2	29286905	T	G	0.258449	-0.0106169	0.0111065	0.339116	-0.781225	0.119514	6.29E-11	0.0135901	0.014368	0.3442214	0.1773717	6	0.8363037
ENSG00000018699	2	TTC27	32853099	rs41410549	2	32894470	C	G	0.137177	0.0183608	0.0127146	0.148721	-0.821356	0.13521	1.24E-09	-0.0223543	0.0159114	0.1600448	0.01810105	8	0.67326138
ENSG00000171055	2	FEZ2	36778570	rs10175266	2	36784987	G	A	0.39165	-0.0025492	0.00830034	0.758751	-0.377863	0.0632046	2.25E-09	0.00674644	0.0219955	0.7590572	0.4543972	8	0.94873228
ENSG00000218739	2	AC007390.5	37423631	rs4670193	2	37536488	A	G	0.582505	0.00202546	0.00825398	0.806153	-0.47637	0.0600027	2.04E-15	-0.0042519	0.0173351	0.8062437	0.6495052	20	0.95331821
ENSG00000143891	2	GALM	38893052	rs11689051	2	38896783	T	C	0.121272	-0.0237537	0.0137261	0.0835314	0.602851	0.105905	1.25E-08	-0.0394023	0.0237976	0.09777726	0.6148621	3	0.64481993
ENSG00000152527	2	PLEKHH2	43864412	rs72790989	2	43941531	T	G	0.209742	0.00278947	0.00950148	0.769077	-0.492592	0.0813845	1.42E-09	-0.0056628	0.0193114	0.7693403	0.648401	6	0.94953271
ENSG00000138095	2	LRPPRC	44113647	rs7594526	2	44173422	G	T	0.413519	-0.0030133	0.00815673	0.711808	0.292448	0.0364433	1.02E-15	-0.0103038	0.0279208	0.7120986	0.5884083	20	0.94727701
ENSG00000119878	2	CRIPT	46843555	rs12104572	2	46862466	G	C	0.423459	0.00120625	0.00840193	0.885842	0.509231	0.0621687	2.59E-16	0.00236877	0.0165018	0.8858589	0.6655185	20	0.97971665
ENSG00000180398	2	MCFD2	47129009	rs6716381	2	47148163	A	G	0.181909	-0.0184544	0.011842	0.119143	-0.625893	0.0554459	1.50E-29	0.0294849	0.0190996	0.1226503	0.8445283	20	0.65842282
ENSG00000119888	2	EPCAM	47572297	rs4953495	2	47578181	G	A	0.0695825	-0.0046367	0.0135012	0.731277	1.46075	0.187387	6.42E-15	-0.0031742	0.00925161	0.7315268	0.7307427	7	0.94727701
ENSG00000170802	2	FOXN2	48541776	rs79247094	2	48554955	A	G	0.12326	-0.0082845	0.0148788	0.577666	0.452761	0.0587624	1.31E-14	-0.0182977	0.0329481	0.5786557	0.5593423	18	0.91214319
ENSG00000243244	2	STON1	48756522	rs7557600	2	48772202	C	T	0.157058	0.00108137	0.00949818	0.909357	0.607177	0.100701	1.64E-09	0.00178098	0.015646	0.9093726	0.482902	20	0.97987891
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.603324	0.0999545	1.58E-09	-0.0045688	0.0138654	0.7417698	0.2047979	9	0.94727701
ENSG00000233266	2	HMGB1P31	54278471	rs2111623	2	53984957	C	T	0.50497	-0.012553	0.00817993	0.124881	0.747881	0.101115	1.40E-13	-0.0167848	0.0111704	0.1329402	0.209627	20	0.66232318
ENSG00000237887	2	AC092839.1	54756480	rs4671226	2	54782908	A	G	0.744533	-0.0004302	0.0103401	0.966814	-0.642375	0.106783	1.79E-09	0.00066969	0.0160971	0.9668151	0.7620692	13	0.99493047
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.837131	0.0619218	1.21E-41	-0.0051037	0.00967411	0.5978034	0.03300784	20	0.92181392
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.753745	0.0689353	7.92E-28	0.0111115	0.0110499	0.3146183	0.2635033	20	0.81632603
ENSG00000163219	2	ARHGAP25	68906733	rs10048745	2	68962137	A	G	0.239563	0.00599281	0.00975178	0.538863	-0.690543	0.0896633	1.34E-14	-0.0086784	0.0141668	0.5401489	0.5756832	8	0.8990588
ENSG00000257800	2	FNBP1P1	74347807	rs828899	2	74342229	T	C	0.430417	0.00103904	0.00830261	0.900407	0.77866	0.0798113	1.73E-22	0.00133439	0.0106636	0.900416	0.9337718	13	0.97987891
ENSG00000217702	2	MGC10955	74361599	rs12619982	2	74356022	A	G	0.181909	-0.0040329	0.0108064	0.709005	1.38895	0.125523	1.85E-28	-0.0029035	0.00778469	0.7091628	0.8584372	15	0.94727701
ENSG00000225439	2	BOLA3-AS1	74375136	rs35864597	2	74376412	C	T	0.436382	-0.0067369	0.00805578	0.402998	-0.286076	0.0426353	1.95E-11	0.0235493	0.0283774	0.4066188	0.4678984	8	0.86982438
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.14883	0.0790944	8.44E-48	-0.0073856	0.00784437	0.3464435	0.3674418	20	0.8363037
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.953091	0.0862888	2.31E-28	-0.0089024	0.00946987	0.3471812	0.3030005	16	0.8363037
ENSG00000115364	2	MRPL19	75873909	rs13391581	2	75913595	G	A	0.240557	-0.0019882	0.00885146	0.822273	-0.649736	0.0821764	2.65E-15	0.00306006	0.0136287	0.8223441	0.3181839	10	0.95542705
ENSG00000042493	2	CAPG	85621871	rs11894268	2	85652690	T	C	0.129225	-0.0053615	0.0131366	0.683177	-0.420939	0.0673463	4.09E-10	0.0127369	0.0312743	0.6838134	0.4746244	6	0.9461177
ENSG00000115486	2	GGCX	85771846	rs1446668	2	85764960	T	G	0.497018	-0.0045351	0.00809918	0.575517	0.651616	0.0822315	2.30E-15	-0.0069598	0.0124604	0.576467	0.4131487	14	0.91214319
ENSG00000273080	2	RP11-301O19.1	86422713	rs9653508	2	86422816	G	T	0.508946	0.0119234	0.00812335	0.142162	0.845165	0.111499	3.45E-14	0.0141078	0.00979009	0.1495774	0.1729918	20	0.67014512
ENSG00000231259	2	AC125232.1	87257800	rs10205992	2	87279109	T	C	0.516899	0.00100886	0.00829855	0.903239	-0.931212	0.0990749	5.50E-21	-0.0010834	0.0089123	0.9032471	0.0074378	20	0.97987891
ENSG00000234231	2	AC093616.4	88000503	rs62140479	2	87997445	T	C	0.199801	0.00261061	0.0100173	0.794394	-0.700912	0.115999	1.52E-09	-0.0037246	0.0143051	0.7945799	0.1972354	3	0.95044568
ENSG00000163586	2	FABP1	88422510	rs4281907	2	88438226	A	C	0.477137	0.0113196	0.00833009	0.174184	-0.802942	0.0997894	8.53E-16	-0.0140977	0.0105214	0.1802754	0.527609	9	0.69422261
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.11493	0.106851	1.73E-25	0.00346148	0.0077883	0.6567199	0.466432	7	0.9355295
ENSG00000144026	2	ZNF514	95813075	rs4854246	2	95837419	G	C	0.140159	-0.0026467	0.0125334	0.832752	-0.794804	0.13452	3.45E-09	0.00333004	0.0157792	0.8328565	0.1175257	10	0.95954475
ENSG00000196912	2	ANKRD36B	98108978	rs2034403	2	98176612	C	A	0.748509	0.00664521	0.00994461	0.503991	-0.622124	0.10183	1.00E-09	-0.0106815	0.0160803	0.5065234	0.3375344	3	0.88426028
ENSG00000115085	2	ZAP70	98330023	rs11894651	2	98317771	A	C	0.736581	0.00496402	0.00967661	0.607957	-0.614627	0.0950764	1.02E-10	-0.0080765	0.0157934	0.6090822	0.2563134	5	0.92780325
ENSG00000135951	2	TSGA10	99613724	rs1044575	2	99812070	A	G	0.648111	0.00223053	0.00818038	0.785109	0.634333	0.0876777	4.66E-13	0.00351634	0.0129052	0.785257	0.8660941	14	0.95019486
ENSG00000144182	2	LIPT1	99771418	rs13012481	2	99754290	A	C	0.632207	0.00049903	0.00815157	0.951185	0.483274	0.0811112	2.55E-09	0.0010326	0.0168683	0.9511874	0.2125327	3	0.99296872
ENSG00000144218	2	AFF3	100162323	rs56935201	2	100637788	A	G	0.188867	0.01194	0.0109998	0.277715	0.471828	0.057709	2.93E-16	0.0253058	0.0235177	0.2819127	0.2736526	20	0.78348136
ENSG00000163162	2	RNF149	101887681	rs6543025	2	101830306	A	G	0.432406	0.00480306	0.00806096	0.551281	0.572294	0.0865634	3.81E-11	0.00839264	0.0141424	0.5528888	0.5974238	7	0.90828443
ENSG00000212283	2	SNORD89	101889398	rs6543025	2	101830306	A	G	0.432406	0.00480306	0.00806096	0.551281	0.846218	0.107568	3.64E-15	0.00567591	0.00955315	0.5524182	0.6360163	7	0.90826759
ENSG00000115602	2	IL1RL1	102927962	rs1558619	2	102931550	T	G	0.493042	0.0125135	0.00803017	0.11916	-0.574176	0.070909	5.62E-16	-0.0217938	0.0142422	0.1259594	0.8301749	16	0.65842282
ENSG00000115604	2	IL18R1	102927989	rs1558619	2	102931550	T	G	0.493042	0.0125135	0.00803017	0.11916	-0.702366	0.0645057	1.31E-27	-0.0178162	0.0115495	0.1229296	0.6683443	20	0.65842282
ENSG00000234177	2	AC068057.2	105363096	rs4452168	2	105375946	G	C	0.355865	-0.0011396	0.00896154	0.89881	0.505466	0.0686007	1.73E-13	-0.0022546	0.0177319	0.8988243	0.1844148	5	0.97987891
ENSG00000119147	2	C2orf40	106679702	rs66989638	2	106689736	A	G	0.125249	0.0128267	0.010364	0.215856	-1.23919	0.211817	4.91E-09	-0.0103509	0.00854863	0.2259632	0.6249396	3	0.73598765
ENSG00000229360	2	PPP1R2P5	107557336	rs72830023	2	107616216	C	T	0.470179	0.0124155	0.00811013	0.125803	0.925151	0.104746	1.03E-18	0.01342	0.00889698	0.1314589	0.4076415	20	0.65997051
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.16166	0.133414	3.12E-18	0.00123815	0.00849861	0.8841672	0.2681935	16	0.9794845
ENSG00000169629	2	RGPD8	113127669	rs145713961	2	113117451	G	T	0.168986	0.00510244	0.0109226	0.640395	-0.961868	0.103406	1.38E-20	-0.0053047	0.0113699	0.6408167	0.5822171	20	0.93476849
ENSG00000125630	2	POLR1B	113299492	rs3961914	2	113317981	T	C	0.0775348	0.00441407	0.0173099	0.798721	1.09169	0.127168	9.11E-18	0.00404334	0.0158631	0.7988079	0.4834953	11	0.95044568
ENSG00000237753	2	AC079922.3	113399409	rs11123144	2	113403662	C	T	0.831014	-0.0142907	0.0119218	0.230641	-0.980149	0.113639	6.41E-18	0.0145801	0.0122802	0.2351126	0.9003121	20	0.74220346
ENSG00000189223	2	AC016683.6	113969099	rs4849181	2	113991970	G	A	0.392644	-0.009655	0.00814924	0.236108	-0.959291	0.129112	1.09E-13	0.0100647	0.00860239	0.2420049	0.475603	20	0.75158302
ENSG00000125618	2	PAX8	113973574	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.950778	0.126418	5.44E-14	0.00926353	0.00868621	0.2862142	0.5199515	20	0.78979107
ENSG00000184492	2	FOXD4L1	114256661	rs1191641	2	114179774	C	T	0.158052	-0.0109383	0.00980761	0.264727	-0.729482	0.109254	2.44E-11	0.0149946	0.0136309	0.2713119	0.7980627	7	0.77614389
ENSG00000225398	2	RP11-395L14.5	114299514	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	0.858243	0.0888751	4.60E-22	0.014462	0.0105328	0.169739	0.4028565	20	0.6779252
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.834812	0.0685406	3.98E-34	-0.0148679	0.0107877	0.1681333	0.3461816	20	0.6779252
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.909204	0.0835255	1.35E-27	0.0133039	0.00991865	0.179821	0.1691187	20	0.69422261
ENSG00000240356	2	RPL23AP7	114368079	rs73955042	2	114399145	A	G	0.371769	0.0153208	0.00902106	0.0894458	0.919194	0.0875838	9.11E-26	0.0166676	0.00994177	0.09363492	0.08841982	20	0.64379887
ENSG00000228857	2	AC104653.1	114588626	rs4241126	2	114603003	T	G	0.628231	0.0102744	0.00842121	0.222441	0.619545	0.0920129	1.66E-11	0.0165838	0.0138139	0.2299402	0.1531728	12	0.73598765
ENSG00000144118	2	RALB	120997640	rs3931840	2	121041347	C	A	0.707753	0.0161671	0.00822578	0.0493662	-0.280949	0.0504089	2.50E-08	-0.0575446	0.0310457	0.06380441	0.05408046	9	0.61339258
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.36763	0.101139	1.16E-41	-0.0080953	0.00667227	0.2250235	0.9565051	20	0.73598765
ENSG00000144231	2	POLR2D	128603840	rs3755305	2	128618446	C	T	0.33002	-0.0091302	0.00836023	0.274789	-0.536118	0.0930516	8.34E-09	0.0170302	0.0158717	0.2832732	0.4448479	9	0.78607317
ENSG00000225449	2	AC079776.7	130724165	rs1922633	2	130701189	A	G	0.702783	-0.014061	0.00827921	0.0894417	0.505331	0.070663	8.60E-13	-0.0278253	0.0168394	0.09845481	0.5519834	5	0.64481993
ENSG00000180178	2	AC018865.8	130748029	rs72988367	2	131453497	G	C	0.318091	-0.0183694	0.0107002	0.086028	0.858603	0.102076	4.05E-17	-0.0213945	0.0127192	0.09255751	0.01892052	18	0.64379887
ENSG00000152076	2	CCDC74B	130896860	rs34080706	2	130902549	T	C	0.341948	-0.0169818	0.00829699	0.0406837	-0.475861	0.0752528	2.56E-10	0.0356865	0.0183263	0.05150117	0.9198528	7	0.59174573
ENSG00000236595	2	MED15P5	131009141	rs11679332	2	131016207	C	T	0.440358	-0.0170983	0.00810044	0.0347912	0.717874	0.0921525	6.70E-15	-0.023818	0.0116908	0.04161774	0.2305356	18	0.52975355
ENSG00000224425	2	AC073869.2	132109787	rs2313724	2	132096409	G	A	0.884692	-0.0122561	0.0116775	0.293927	0.853915	0.123056	3.94E-12	-0.0143528	0.0138308	0.2993885	0.9315853	20	0.80544615
ENSG00000233087	2	AC073869.1	132118066	rs77396214	2	131961262	A	G	0.124254	0.0159846	0.0129715	0.217844	-0.467775	0.0833599	2.01E-08	-0.0341716	0.028391	0.2287417	0.9210009	7	0.73598765
ENSG00000273073	2	RP11-109E12.1	132219394	rs6722714	2	132231771	C	T	0.0924453	0.0258102	0.0171846	0.133113	1.20416	0.165643	3.61E-13	0.0214342	0.0145724	0.1413254	0.9216999	11	0.66434762
ENSG00000152117	2	AC093838.4	132250386	rs374293949	2	132260297	A	G	0.194831	-0.0095517	0.00918408	0.298327	-0.922458	0.0786383	8.90E-32	0.0103546	0.00999515	0.3002188	0.9985409	20	0.80544615
ENSG00000235615	2	AJ239322.1	132722304	rs74193869	2	132785483	C	A	0.369781	0.0144419	0.00883799	0.102245	0.816763	0.0962354	2.12E-17	0.0176819	0.0110195	0.1085818	0.8471528	9	0.64481993
ENSG00000236485	2	RP1-156L9.1	132741510	rs12995303	2	132789600	T	G	0.713718	0.0149562	0.00852754	0.0794511	0.8222	0.0978605	4.40E-17	0.0181905	0.0105952	0.08600445	0.6951959	9	0.64379887
ENSG00000227745	2	AC098826.5	132890429	rs62165005	2	133013771	G	T	0.0506958	-0.0081913	0.02055	0.690184	-1.2723	0.186872	9.87E-12	0.00643821	0.0161795	0.6906866	0.9999052	12	0.94651419
ENSG00000163046	2	ANKRD30BL	132905164	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.3885	0.165845	5.65E-17	0.00613036	0.0148351	0.6794349	0.9980193	20	0.94554211
ENSG00000080345	2	RIF1	152266397	rs2444256	2	152280365	A	G	0.356859	0.00974642	0.00838182	0.244909	-0.348769	0.0560823	5.01E-10	-0.0279452	0.0244491	0.2530403	0.2403317	11	0.76442105
ENSG00000196151	2	WDSUB1	160092304	rs62172692	2	160146120	G	A	0.351889	0.0123386	0.00819881	0.132345	-0.663788	0.0793884	6.20E-17	-0.0185882	0.01255	0.138573	0.6335544	20	0.66434762
ENSG00000054219	2	LY75	160628362	rs72957586	2	160762687	A	G	0.537773	0.0071658	0.00829354	0.387576	0.480377	0.0774676	5.61E-10	0.014917	0.0174314	0.3921334	0.02708102	17	0.86188326
ENSG00000138399	2	FASTKD1	170386259	rs112523043	2	170426136	A	G	0.100398	-0.0079583	0.0119881	0.506791	0.569839	0.098615	7.54E-09	-0.0139658	0.0211761	0.5095697	0.4096014	7	0.88426028
ENSG00000144362	2	PHOSPHO2	170550975	rs13009840	2	170569672	A	C	0.28827	-0.0348078	0.00956279	0.00027272	-0.608921	0.0904621	1.68E-11	0.0571631	0.0178535	0.00136582	0.9440519	20	0.2331573
ENSG00000222033	2	AC007405.2	171568961	rs10930438	2	171606871	G	A	0.295229	-0.0066199	0.00869141	0.446261	0.609578	0.090339	1.50E-11	-0.0108598	0.0143486	0.4491362	0.5713761	7	0.87660683
ENSG00000204335	2	SP5	171571861	rs953680	2	171643177	G	A	0.28827	-0.0061697	0.00875198	0.480843	0.483325	0.0873169	3.11E-08	-0.0127651	0.0182541	0.4843648	0.644316	5	0.88426028
ENSG00000239467	2	AC007405.6	171627623	rs13014069	2	171658382	C	T	0.379722	-0.018812	0.00844866	0.0259723	-0.413702	0.0754145	4.12E-08	0.0454723	0.0220403	0.0390985	0.00832485	6	0.5108698
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs76443145	2	173600603	A	C	0.16998	0.0137168	0.0096749	0.156257	0.583384	0.0802689	3.65E-13	0.0235125	0.0168967	0.1640611	0.1363703	9	0.67326138
ENSG00000272551	2	RP11-324L17.1	177476165	rs56155737	2	177493377	A	G	0.0815109	0.0114223	0.0171758	0.506037	1.1664	0.162607	7.33E-13	0.00979278	0.0147886	0.5078538	0.3896837	3	0.88426028
ENSG00000163364	2	AC017048.3	177494317	rs56155737	2	177493377	A	G	0.0815109	0.0114223	0.0171758	0.506037	1.31979	0.154956	1.63E-17	0.00865463	0.0130536	0.5073274	0.4499322	4	0.88426028
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.1472	0.0965161	1.40E-32	0.0100666	0.0071993	0.1620307	0.233039	20	0.67326138
ENSG00000259915	2	RP11-410E4.1	187219299	rs4667085	2	187256908	A	T	0.698807	-0.0096153	0.00827758	0.245393	-0.518383	0.0939126	3.39E-08	0.0185487	0.0163178	0.2556585	0.7014512	13	0.76892412
ENSG00000138381	2	ASNSD1	190526111	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	0.524061	0.058816	5.10E-19	0.0387018	0.017334	0.02556833	0.02495512	17	0.47366505
ENSG00000273240	2	RP11-455J20.3	190628585	rs1234834	2	190676895	C	T	0.270378	-0.0191581	0.00877951	0.0290998	-0.774803	0.092737	6.55E-17	0.0247264	0.0117114	0.03474544	0.08912167	20	0.49917972
ENSG00000128699	2	ORMDL1	190635049	rs2017410	2	190699958	A	T	0.248509	-0.0226521	0.00890981	0.0110101	0.501395	0.0774587	9.60E-11	-0.0451782	0.0190915	0.01796214	0.1521755	15	0.45306927
ENSG00000198130	2	HIBCH	191054461	rs6434387	2	191205969	T	C	0.60338	-0.0101288	0.00831394	0.223114	0.476098	0.0543155	1.86E-18	-0.0212746	0.0176305	0.2275509	0.07569759	13	0.73598765
ENSG00000151689	2	INPP1	191208196	rs3791813	2	191218371	G	A	0.213718	-0.0069866	0.0115463	0.54512	0.517201	0.0768599	1.71E-11	-0.0135084	0.0224147	0.546736	0.00075821	16	0.90344232
ENSG00000226124	2	FTCDNL1	200625267	rs13008446	2	200628500	A	G	0.66004	0.00646253	0.00948012	0.495433	-0.689074	0.0956883	5.97E-13	-0.0093786	0.0138193	0.497354	0.01653276	12	0.88426028
ENSG00000240344	2	PPIL3	201735630	rs7559150	2	201754063	C	T	0.263419	0.00811619	0.00936911	0.386341	-1.15453	0.101848	8.72E-30	-0.0070299	0.00813875	0.3877237	0.7795226	20	0.86143514
ENSG00000064012	2	CASP8	202098166	rs2349070	2	202130308	C	A	0.72664	-0.0022335	0.00877383	0.799061	-0.854882	0.0914814	9.20E-21	0.00261263	0.010267	0.7991338	0.5258679	20	0.95044568
ENSG00000155749	2	ALS2CR12	202152994	rs7560328	2	202164837	C	A	0.614314	-0.000447	0.00827166	0.956908	-0.637349	0.0862401	1.46E-13	0.00070127	0.0129786	0.9569089	0.4264763	14	0.99296872
ENSG00000023228	2	NDUFS1	206979541	rs7558619	2	206993437	A	T	0.477137	-0.0009631	0.00806414	0.904934	-0.289988	0.0501643	7.44E-09	0.00332119	0.0278145	0.9049545	0.6046368	5	0.97987891
ENSG00000138400	2	MDH1B	207602487	rs6729613	2	207614820	T	C	0.242545	0.00021222	0.00894692	0.981076	0.749758	0.0809285	1.96E-20	0.00028305	0.0119331	0.9810765	0.6283412	20	0.99593757
ENSG00000138363	2	ATIC	216176540	rs28366034	2	216176780	T	C	0.140159	0.009994	0.0116167	0.389615	0.760625	0.111346	8.42E-12	0.0131392	0.0153932	0.3933429	0.2586562	7	0.86188326
ENSG00000079246	2	XRCC5	216972187	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	-1.27103	0.164089	9.48E-15	0.00573477	0.0158721	0.7178661	0.9129315	6	0.94727701
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	0.849053	0.1246	9.48E-12	-0.0085849	0.023768	0.7179519	0.9528342	6	0.94727701
ENSG00000188282	2	RUFY4	218899683	rs12989035	2	218917004	C	T	0.45328	0.008039	0.00858808	0.349239	-0.477566	0.0860509	2.86E-08	-0.0168333	0.018237	0.3559928	0.8579009	9	0.8429066
ENSG00000261338	2	RP11-378A13.1	219120042	rs12999734	2	219121528	G	A	0.587475	-0.0025925	0.00858517	0.762669	0.829584	0.0711242	1.95E-31	-0.0031251	0.0103522	0.7627453	0.2458222	20	0.94873228
ENSG00000182698	2	RESP18	220192131	rs35083292	2	220181066	A	T	0.290258	0.0108715	0.0104904	0.30005	-0.921315	0.0930847	4.26E-23	-0.0118	0.0114486	0.3026843	0.3185699	15	0.80715034

ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.846499	0.111622	3.36E-14	0.00834717	0.0104974	0.4265165	0.6820753	6	0.8760777
ENSG00000168958	2	MFF	228189867	rs4673192	2	228236131	G	A	0.16501	-0.0023126	0.0103284	0.82283	-0.435208	0.0781984	2.61E-08	0.00531378	0.0237513	0.8229706	0.4195416	4	0.95542705
ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-1.13419	0.173414	6.14E-11	-0.0007653	0.0150648	0.959485	0.7748019	3	0.99296872
ENSG00000135898	2	GPR55	231772033	rs11889992	2	231769071	G	A	0.316103	-0.0010761	0.00838969	0.89794	-0.535453	0.0946047	1.51E-08	0.0020097	0.0156724	0.8979657	0.4260193	9	0.97987891
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-0.97762	0.123311	2.23E-15	-0.0131067	0.00944106	0.1650551	0.08190131	6	0.67326138
ENSG00000237412	2	PRSS56	233385173	rs2741297	2	233387007	G	A	0.672962	0.00849116	0.00936926	0.364788	-0.598338	0.0945034	2.43E-10	-0.0141912	0.0158184	0.3696472	0.3853442	13	0.84538623
ENSG00000182600	2	C2orf82	233721980	rs2250665	2	233752639	T	A	0.628231	-0.0137118	0.00879878	0.119145	0.633261	0.0881776	6.89E-13	-0.0216527	0.0142178	0.1277755	0.1414179	6	0.65842282
ENSG00000132330	2	SCLY	238969530	rs4663275	2	238893852	C	T	0.782306	0.0091806	0.0107653	0.393772	-0.538576	0.0909669	3.21E-09	-0.0170461	0.0201947	0.3986223	0.07073776	10	0.86712436
ENSG00000144485	2	HES6	239146908	rs13428699	2	239144237	G	A	0.33499	-0.0077348	0.00866063	0.371804	0.441996	0.0731725	1.54E-09	-0.0174997	0.0198074	0.3769686	0.9536357	7	0.85195767
ENSG00000146205	2	ANO7	242127924	rs111770284	2	242157087	T	C	0.168986	-0.0247231	0.011887	0.0375396	0.861217	0.114303	4.90E-14	-0.0287072	0.0143188	0.04497793	0.8284977	16	0.54778676
ENSG00000168385	2	2-Sep	242254515	rs115271170	2	242347614	T	C	0.0974155	0.00844605	0.0150171	0.573824	0.377262	0.0463511	3.98E-16	0.0223878	0.0399004	0.5747356	0.1657521	15	0.91214319
ENSG00000006607	2	FARP2	242295658	rs4675955	2	242389865	T	G	0.782306	-0.0025635	0.009459	0.786383	0.549817	0.0902413	1.11E-09	-0.0046624	0.0172209	0.7865887	0.1955946	9	0.95044568
ENSG00000180902	2	D2HGDH	242673994	rs71430384	2	242700052	C	T	0.512922	0.00789739	0.0081166	0.330557	-0.545328	0.0641562	1.90E-17	-0.0144819	0.0149811	0.3337042	0.79444	16	0.83103105
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.1037	0.0841764	2.82E-39	0.0159388	0.00840347	0.05786935	0.4285977	20	0.5969465
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	0.867402	0.0972847	4.83E-19	0.0168832	0.0103218	0.1019066	0.1250834	20	0.64481993
ENSG00000224318	3	CHL1-AS2	237441	rs76556748	3	238321	G	C	0.116302	0.0109572	0.0153396	0.475037	0.809625	0.133646	1.38E-09	0.0135337	0.0190778	0.4780802	0.0747971	4	0.88426028
ENSG00000144455	3	SUMF1	3742498	rs6762654	3	4405167	C	T	0.589463	-0.0040811	0.00814136	0.616172	-0.690834	0.0846639	3.36E-16	0.00590753	0.011807	0.6168364	0.3090597	7	0.92780325
ENSG00000134077	3	THUMPD3	9404526	rs1973243	3	9492276	C	T	0.154076	-0.0168991	0.0124828	0.175805	-0.491098	0.0836475	4.33E-09	0.0344109	0.0260851	0.1871109	0.5298103	7	0.70592061
ENSG00000163701	3	IL17RE	9944296	rs279588	3	9944937	T	G	0.550696	-0.0019231	0.00816443	0.813789	0.51579	0.0929099	2.83E-08	-0.0037284	0.0158432	0.813953	0.2376594	3	0.95331821
ENSG00000240288	3	GHRLOS	10327438	rs35681	3	10329377	C	T	0.539761	0.00454654	0.00810796	0.574967	0.641525	0.097007	3.76E-11	0.00708708	0.0126839	0.5763357	0.8776839	20	0.91214319
ENSG00000144559	3	TAMM41	11831916	rs2133063	3	11832773	C	G	0.478131	-0.0093066	0.00815275	0.253652	-0.446458	0.0792222	1.75E-08	0.0208453	0.0186318	0.2632249	0.05318555	12	0.77270625
ENSG00000075975	3	MKRN2	12598513	rs34741626	3	12590581	T	C	0.127237	0.00357557	0.0120403	0.766493	0.651824	0.105869	7.42E-10	0.00548548	0.0184932	0.7667551	0.2994215	8	0.94953271
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.723896	0.0846881	1.25E-17	0.00676383	0.0113553	0.5514047	0.9429909	8	0.90811475
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	1.06693	0.0829464	7.28E-38	-0.0005966	0.00781037	0.9391075	0.00020565	20	0.99087277
ENSG00000236411	3	NDUFAF4P3	37831412	rs2685080	3	37832386	C	T	0.137177	0.00403749	0.0122458	0.741624	0.923165	0.154999	2.59E-09	0.00437353	0.0132853	0.7420045	0.7564003	6	0.94727701
ENSG00000136059	3	VILL	38029550	rs9843506	3	38046023	C	A	0.188867	0.00502604	0.0110401	0.648927	-0.817805	0.0835555	1.27E-22	-0.0061458	0.0135143	0.6492809	0.4264655	9	0.93515218
ENSG00000157036	3	EXOG	38537618	rs13072731	3	38533335	C	A	0.611332	-0.0117206	0.00814751	0.150279	-0.454509	0.078503	7.05E-09	0.0257874	0.018471	0.1626842	0.6835589	8	0.67326138
ENSG00000168038	3	ULK4	41288090	rs9817510	3	41813108	T	C	0.189861	0.00548276	0.0100045	0.58367	1.08374	0.10705	4.34E-24	0.00505911	0.00924497	0.584222	0.3862362	7	0.91214319
ENSG00000230084	3	RP4-613B23.1	42643455	rs59914338	3	42670348	A	G	0.140159	0.00301925	0.0127018	0.812112	0.811189	0.104456	8.11E-15	0.00372201	0.0156656	0.8121981	0.4315574	15	0.95331821
ENSG00000181061	3	HIGD1A	42798669	rs73077238	3	42858666	C	T	0.214712	0.0276072	0.00915174	0.00255623	-0.535274	0.0638359	5.07E-17	-0.0515758	0.01817	0.0045325	0.6868171	5	0.28633186
ENSG00000144647	3	POMGNT2	43120724	rs2002182	3	43147538	G	T	0.466203	-0.0020601	0.00826638	0.803199	0.329913	0.0518319	1.95E-10	-0.0062443	0.0250754	0.8033464	0.2460926	9	0.95309828
ENSG00000144792	3	ZNF660	44619715	rs4682986	3	44651120	A	G	0.900596	0.00165807	0.0142662	0.907476	-0.598384	0.0964779	5.56E-10	-0.0027709	0.0238454	0.9074915	0.5158312	19	0.97987891
ENSG00000196653	3	ZNF502	44754135	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.580165	0.0967463	2.01E-09	-0.0462493	0.0184441	0.01215739	0.08878325	6	0.44186828
ENSG00000011376	3	LARS2	45429998	rs3821895	3	45587983	G	A	0.333002	-0.0074022	0.0096328	0.442229	-0.547288	0.0619436	9.99E-19	0.0135252	0.0176674	0.4439465	0.203667	20	0.8760777
ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.966404	0.107162	1.91E-19	-0.0219225	0.00933292	0.01882671	0.8016893	12	0.45306927
ENSG00000178038	3	ALS2CL	46710487	rs13071203	3	46733589	T	C	0.419483	-0.0030246	0.0081443	0.710354	0.35392	0.059373	2.51E-09	-0.0085461	0.0230563	0.7108889	0.937221	4	0.94727701
ENSG00000188086	3	PRSS45	46783582	rs57268847	3	46794745	T	A	0.149105	-0.0097795	0.0102912	0.341973	0.894212	0.133449	2.07E-11	-0.0109364	0.0116238	0.3467761	0.6335267	15	0.8363037
ENSG00000164048	3	ZNF589	48282590	rs11130163	3	48312658	C	T	0.327038	-0.0250208	0.00963862	0.00943452	0.711978	0.10431	8.76E-12	-0.0351427	0.0144838	0.01525203	0.2636903	10	0.44186828
ENSG00000232112	3	TMA7	48481667	rs9826247	3	48497145	G	A	0.536779	-0.0017528	0.00820979	0.830939	0.32897	0.0447008	1.85E-13	-0.0053281	0.0249665	0.8310089	0.06265672	14	0.95938008
ENSG00000213689	3	TREX1	48506445	rs11797	3	48508585	C	T	0.55666	-0.0041652	0.00825411	0.613827	0.542347	0.0718712	4.49E-14	-0.0076799	0.0152532	0.6146167	0.3369661	10	0.92780325
ENSG00000213672	3	NCKIPSD	48701364	rs12497850	3	48748989	T	G	0.656064	-0.028948	0.0084896	0.00065007	0.422807	0.0401326	5.94E-26	-0.0684662	0.0211046	0.0011781	0.00305885	20	0.23243814
ENSG00000145020	3	AMT	49454211	rs6769821	3	49244657	A	G	0.760437	-0.0245363	0.00988822	0.0130882	0.32865	0.0556311	3.47E-09	-0.0746578	0.0326337	0.02215177	0.2437073	10	0.45306927
ENSG00000173540	3	GMPPB	49754277	rs59684465	3	49874246	T	C	0.163022	0.0222843	0.0131544	0.0902547	0.627061	0.0974887	1.26E-10	0.0355377	0.0216932	0.1013816	0.01412259	5	0.64481993
ENSG00000004534	3	RBM6	49977440	rs2008877	3	50162291	G	T	0.493042	-0.0034167	0.0080868	0.672654	0.476336	0.0628244	3.40E-14	-0.007173	0.0170034	0.6731317	0.07305165	17	0.94324492
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.522728	0.0571931	6.26E-20	0.0231966	0.0158072	0.1422492	0.00267465	14	0.6666453
ENSG00000055955	3	ITIH4	52846991	rs7638524	3	52874861	A	G	0.265408	-0.038318	0.00915823	2.86E-05	0.796339	0.0941378	2.69E-17	-0.0481177	0.0128302	0.00017659	0.6935325	16	0.15959104
ENSG00000242142	3	SERBP1P3	53098299	rs1864367	3	53111704	C	T	0.597416	0.00306764	0.00816143	0.707014	0.810623	0.0724642	4.75E-29	0.0037843	0.0100738	0.7071709	1.95E-05	20	0.94727701
ENSG00000163933	3	RFT1	53122499	rs2564923	3	53103262	G	A	0.596421	0.00317631	0.00815771	0.697008	-0.584022	0.0850792	6.67E-12	-0.0054387	0.0139906	0.6974699	0.0043909	9	0.94727701
ENSG00000113812	3	ACTR8	53901093	rs6794006	3	53933458	A	T	0.374751	0.00328344	0.00855867	0.701245	-0.568677	0.0771409	1.68E-13	-0.0057738	0.0150705	0.7016303	0.03576689	11	0.94727701
ENSG00000180376	3	CCDC66	56591189	rs6791987	3	56579538	T	C	0.410537	-0.0065528	0.00807779	0.417241	-0.363721	0.0580851	3.80E-10	0.0180161	0.0223943	0.4211116	0.6460357	10	0.8760777
ENSG00000163686	3	ABHD6	58223233	rs36084657	3	58176779	A	T	0.0427435	0.00098245	0.0150897	0.948088	0.519696	0.0902723	8.56E-09	0.00189044	0.0290375	0.9480917	0.06272726	12	0.99296872
ENSG00000168291	3	PDHB	58413357	rs7430287	3	58364735	T	C	0.262425	0.00695597	0.00889196	0.434052	0.372078	0.0680142	4.49E-08	0.0186949	0.0241412	0.4386949	0.3058558	8	0.8760777
ENSG00000163634	3	THOC7	63819546	rs832190	3	63842629	T	C	0.60338	0.00819559	0.0083862	0.328435	0.285293	0.0487077	4.71E-09	0.0287269	0.0298014	0.3350731	0.9700748	12	0.83103105
ENSG00000144741	3	SLC25A26	66119285	rs146159281	3	66287056	A	G	0.341948	-0.0119615	0.00811514	0.140489	-0.715092	0.06546	8.84E-28	0.0167272	0.0114512	0.1440878	0.7359765	20	0.66790255
ENSG00000172986	3	GXYLT2	72937224	rs1108154	3	73024609	T	A	0.590457	-0.0032441	0.00858514	0.705521	0.484846	0.0797213	1.19E-09	-0.0066911	0.0177411	0.7060612	0.5018145	10	0.94727701
ENSG00000244026	3	FAM86DP	75470703	rs151208235	3	75400034	G	C	0.0457256	-0.0129437	0.0163504	0.428569	-1.44153	0.187487	1.49E-14	0.00897914	0.0114024	0.4310003	0.8771931	9	0.8760777
ENSG00000243422	3	RP11-413E6.1	75673837	rs6800356	3	75877902	C	G	0.682903	-0.0026983	0.00936568	0.773264	-0.732283	0.0998852	2.28E-13	0.00368482	0.0127996	0.773434	0.5424875	15	0.94953271
ENSG00000241622	3	RARRES2P1	75707685	rs11718425	3	75893995	C	T	0.532803	-0.0028967	0.0081401	0.72195	-0.56527	0.0976115	7.00E-09	0.00512444	0.0144275	0.7224515	0.2338446	9	0.94727701
ENSG00000227124	3	ZNF717	75758794	rs13069699	3	75818790	C	T	0.427435	-0.0101083	0.00808663	0.211299	-0.695238	0.103845	2.16E-11	0.0145393	0.0118325	0.2191589	0.5007068	20	0.7341265
ENSG00000239519	3	CADM2-AS1	86041333	rs13083257	3	86042815	C	G	0.412525	0.00281433	0.00827695	0.733841	0.666047	0.116618	1.12E-08	0.00422542	0.012449	0.734294	0.6036759	12	0.94727701
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.821001	0.0969805	2.55E-17	0.00557907	0.00987716	0.5721791	0.9075661	19	0.91214319
ENSG00000114021	3	NIT2	100053545	rs13082297	3	100071070	C	G	0.348907	-0.0066056	0.00854824	0.439676	-0.426088	0.0561433	3.22E-14	0.0155028	0.0201659	0.4420325	0.8493954	10	0.8760777
ENSG00000206535	3	LNP1	100120037	rs9290061	3	100181868	A	G	0.714712	0.00572294	0.00889285	0.51987	-0.354941	0.055255	1.33E-10	-0.0161236	0.0251799	0.5219525	0.7146134	6	0.88902293
ENSG00000244119	3	PDCL3P4	101431316	rs34883763	3	101419783	A	G	0.328032	-0.0062377	0.00837478	0.456378	0.523262	0.0707394	1.39E-13	-0.0119209	0.0160859	0.4586475	0.2005358	15	0.88154197
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.642417	0.101938	2.94E-10	-0.0128654	0.0127437	0.312711	0.9303648	6	0.81378166
ENSG00000243795	3	RP11-572M11.3	112861197	rs931699	3	112894382	G	C	0.120278	-0.0257003	0.0154094	0.0953498	-0.897768	0.150351	2.36E-09	0.0286269	0.0178211	0.1081975	0.04187885	11	0.64481993
ENSG00000173226	3	IQCB1	121488610	rs1141528	3	121507231	T	A	0.125249	-0.0116489	0.0125613	0.353737	1.03359	0.121618	1.92E-17	-0.0112703	0.0122252	0.3565849	0.9004219	20	0.8429066
ENSG00000082684	3	SEMA5B	122628041	rs11923426	3	122640406	C	A	0.802187	0.00910589	0.00914867	0.319579	-0.518009	0.0816255	2.21E-10	-0.0175786	0.0178771	0.3254581	0.6288961	6	0.82362657
ENSG00000171084	3	FAM86JP	125635463	rs4047922	3	125636595	G	A	0.168986	-0.0179363	0.0141974	0.206462	1.19362	0.10948	1.12E-27	-0.0150268	0.011974	0.2094955	0.1468233	20	0.73027318
ENSG00000189366	3	ALG1L	125648118	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.992858	0.0996081	2.11E-23	-0.0173471	0.00905218	0.05532118	0.6159421	20	0.5969465
ENSG00000241439	3	RP11-666A20.3	125677399	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.911445	0.0992949	4.34E-20	-0.0188966	0.00989334	0.05612925	0.4999797	20	0.5969465
ENSG00000114547	3	ROPN1B	125687987	rs1827493	3	125683030	A	C	0.55666	0.00917926	0.00809071	0.256567	-0.602033	0.0830657	4.24E-13	-0.0152471	0.0136026	0.2623335	0.4652001	20	0.77251343
ENSG00000070476	3	ZXDC	126156444	rs1799398	3	126200403	C	A	0.61829	0.00808649	0.00821274	0.324807	0.428054	0.0638008	1.96E-11	0.0188913	0.0193917	0.329961	0.2208203	9	0.83103105
ENSG00000261159	3	RP11-723O4.9	128578559	rs2933344	3	128658715	G	A	0.207753	-0.0084174	0.00969978	0.385506	0.812951	0.117963	5.52E-12	-0.0103542	0.0120258	0.3892398	0.5222382	9	0.86143514
ENSG00000231305	3	RP11-723O4.2	128580156	rs789217	3	128593201	A	G	0.186879	-0.0118479	0.0104691	0.257761	0.71585	0.117081	9.71E-10	-0.0165508	0.0148731	0.2657944	0.3590094	6	0.77289867
ENSG00000177646	3	ACAD9	128598439	rs62265307	3	128662441	T	C	0.0178926	0.00919199	0.0203637	0.651708	1.81132	0.24625	1.90E-13	0.00507475	0.0112636	0.6523187	0.9973374	14	0.93515218
ENSG00000270773	3	RP13-685P2.7	129064254	rs56973985	3	129084733	C	T	0.0725646	0.0125206	0.0145753	0.390323	1.12559	0.154461	3.16E-13	0.0111236	0.0130387	0.3935919	0.89227	6	0.86188326
ENSG00000163913	3	IFT122	129158968	rs2625951	3	129240437	T	C	0.158052	0.0215908	0.0155676	0.165469	-0.637101	0.080564	2.62E-15	-0.0338891	0.024808	0.1719212	0.535795	20	0.67980209
ENSG00000253540	3	FAM86HP	129817935	rs7616082	3	129820737	C	T	0.383698	-0.005894	0.0082162	0.473147	-0.486911	0.0876494	2.77E-08	0.0121049	0.0170142	0.4767996	0.02444699	4	0.88426028
ENSG00000249846	3	RP11-77P16.4	129831393	rs12233562	3	129845749	A	G	0.420477	-0.0108672	0.00828273	0.18951	0.670094	0.0921378	3.52E-13	-0.0162174	0.0125601	0.1966384	0.3632383	8	0.71320307
ENSG00000228252	3	COL6A4P2	129931666	rs59803194	3	129845429	A	G	0.454274	-0.0105424	0.0081021	0.193192	-0.723024	0.0883969	2.86E-16	0.014581	0.0113468	0.1987802	0.2639568	20	0.7153523
ENSG00000113971	3	NPHP3	132276986	rs66564593	3	132436967	G	A	0.21173	-0.001187	0.00997949	0.905317	-0.6522	0.0733659	6.13E-19	0.00182006	0.0153026	0.905325	0.9854878	8	0.97987891
ENSG00000273486	3	RP11-731C17.2	136556180	rs2060303	3	136577786	A	G	0.65507	-0.0009764	0.00867297	0.910362	0.525827	0.0914409	8.90E-09	-0.0018569	0.0164971	0.9103788	0.7554812	4	0.97987891
ENSG00000071794	3	HLTF	148747914	rs11715474	3	148801915	T	G	0.37674	0.00088297	0.00817299	0.913968	0.367118	0.0599825	9.33E-10	0.00240514	0.022266	0.9139811	0.0114123	6	0.97987891
ENSG00000114744	3	COMMD2	149456257	rs1851374	3	149475412	G	C	0.421471	0.0183294	0.0082927	0.0270844	0.404778	0.0625678	9.84E-11	0.0452826	0.0216497	0.03647428	0.488893	8	0.50611661
ENSG00000243321	3	snoU13	149795281	rs56198011	3	149797925	T	C	0.317097	0.0168637	0.00869025	0.0523142	-0.55654	0.0754604	1.64E-13	-0.030301	0.0161462	0.06056491	0.02942757	4	0.60047521
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	0.807854	0.0816314	4.32E-23	-0.0166788	0.0137141	0.2239174	0.6641351	12	0.73598765
ENSG00000243926	3	TIPARP-AS1	156389651	rs62277393	3	156430098	A	G	0.145129	0.011719	0.0118467	0.322557	-0.73831	0.131814	2.13E-08	-0.0158727	0.016294	0.3299846	0.5438788	3	0.83103105
ENSG00000244515	3	KRT18P34	156880452	rs55646487	3	156884634	G	A	0.255467	-0.0166153	0.0105981	0.116937	-0.636286	0.0918265	4.23E-12	0.0261129	0.0170772	0.1262366	0.1629968	9	0.65842282
ENSG00000241770	3	RP11-555M1.3	156881241	rs62278603	3	157093047	G	A	0.269384	-0.0190758	0.0102413	0.062513	-0.635946	0.102607	5.72E-10	0.0299959	0.0168156	0.07445273	0.1779173	8	0.61480595
ENSG00000079257	3	LXN	158363611	rs6786423	3	158450178	G	A	0.414513	0.0213479	0.00884499	0.0157976	0.651263	0.0923261	1.74E-12	0.0327792	0.0143543	0.0223959	0.283626	9	0.45306927
ENSG00000240207	3	RP11-379F4.4	158450052	rs61794821	3	158460936	G	A	0.220676	0.0197886	0.0103114	0.0549731	0.65518	0.0796256	1.90E-16	0.0302033	0.0161607	0.06163123	0.2127539	13	0.60354597
ENSG00000272247	3	RP11-379F4.9	158519046	rs2244996	3	158519446	C	T	0.72167	-0.0201126	0.00842173	0.0169321	-0.609299	0.106594	1.09E-08	0.0330094	0.0149799	0.02755362	0.7050027	3	0.47888085
ENSG00000206120	3	EGFEM1P	167967310	rs496741	3	168520843	A	G	0.403579	0.00392231	0.00849345	0.644221	-0.573158	0.0979319	4.84E-09	-0.0068433	0.0148647	0.6452484	0.7387808	13	0.93485806
ENSG00000239219	3	RP11-379K17.4	169657141	rs9836316	3	169684433	A	G	0.146123	-0.0031074	0.00984406	0.752258	0.837988	0.140889	2.72E-09	-0.0037082	0.0117638	0.7525955	0.7946977	7	0.94873228
ENSG00000241231	3	RP11-275H4.1	181138846	rs6443742	3	181160258	G	A	0.687873	0.0257017	0.00867556	0.00305105	0.930132	0.0907737	1.22E-24	0.0276323	0.00970925	0.00442752	0.1309417	20	0.28633186
ENSG00000240024	3	LINC00888	183165396	rs7652231	3	183165599	A	G	0.531809	-0.0073382	0.00829917	0.376581	0.336378	0.0536108	3.51E-10	-0.0218155	0.0249159	0.381268	0.7226892	6	0.85579268
ENSG00000233885	3	YEATS2-AS1	183524245	rs2255019	3	183534913	G	A	0.470179	0.00402835	0.0084074	0.631837	0.509049	0.0625989	4.23E-16	0.00791348	0.0165445	0.6324269	0.6401981	20	0.93051058
ENSG00000145198	3	VWA5B2	183948217	rs843352	3	183978846	A	G	0.222664	0.00802258	0.010495	0.444619	-0.63554	0.0939469	1.33E-11	-0.0126232	0.0166186	0.4475026	0.2660993	12	0.8760777
ENSG00000145194	3	ECE2	183967438	rs56172794	3	184001146	T	C	0.530815	0.00249554	0.00805989	0.756847	-0.464956	0.0618195	5.43E-14	-0.0053673	0.0173494	0.7570458	0.8529028	11	0.94873228
ENSG00000156931	3	VPS8	184529931	rs62286929	3	184524492	G	A	0.055666	0.00299175	0.0230759	0.896844	0.689024	0.101992	1.42E-11	0.00434201	0.0334969	0.8968636	0.4318278	20	0.97987891
ENSG00000225764	3	LEPREL1-AS1	189838753	rs529752	3	189865197	G	A	0.753479	-0.007634	0.00918532	0.405911	-0.683142	0.110668	6.71E-10	0.0111749	0.013567	0.4101221	0.00566458	7	0.87289202
ENSG00000188958	3	UTS2B	190984957	rs3214008	3	190995847	C	T	0.612326	-0.0082448	0.00826382	0.318428	-0.674971	0.111715	1.52E-09	0.012215	0.012409	0.3249363	0.03024205	6	0.82362657
ENSG00000230102	3	RP11-407B7.1	193723226	rs4687494	3	193728370	G	T	0.520875	0.0040165	0.00817629	0.623258	0.548486	0.0852659	1.25E-10	0.00732289	0.0149504	0.6242674	0.3227879	14	0.92817169
ENSG00000231770	3	TMEM44-AS1	194304740	rs7636054	3	194306240	C	T	0.191849	0.00083451	0.0105368	0.936874	0.574045	0.0901247	1.90E-10	0.00145373	0.0183568	0.9368791	0.5891259	4	0.99029499
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.518465	0.0594155	2.64E-18	0.0296695	0.0163833	0.07014665	0.2049196	13	0.61480595
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	1.00087	0.0942385	2.39E-26	0.00908091	0.00814764	0.2650455	0.2115794	20	0.77289867
ENSG00000271662	3	RP11-141C7.3	195377017	rs55716760	3	195564643	C	G	0.186879	-0.0190707	0.0121432	0.116303	-0.698623	0.117177	2.49E-09	0.0272976	0.0179745	0.1288428	0.02594973	20	0.65842282
ENSG00000229178	3	AC069513.4	195382436	rs6768928	3	195329888	G	A	0.328032	-0.0076577	0.00929046	0.409793	-0.833351	0.0975607	1.32E-17	0.00918907	0.0112001	0.4119623	0.9294295	20	0.87586381
ENSG00000215837	3	SDHAP2	195384967	rs79114865	3	195661441	A	C	0.16998	-0.004035	0.0118263	0.732963	-0.934859	0.131016	9.65E-13	0.00431613	0.0126648	0.7332566	0.5650024	20	0.94727701
ENSG00000176945	3	MUC20	195447753	rs11926771	3	195656731	A	C	0.187873	0.00929126	0.0099394	0.349896	0.804664	0.139661	8.33E-09	0.0115468	0.0125138	0.3561506	0.07212083	10	0.8429066
ENSG00000145113	3	MUC4	195473636	rs9823070	3	195737721	T	C	0.128231	0.0038987	0.0125491	0.756047	0.812981	0.132902	9.53E-10	0.00479556	0.0154558	0.7563513	0.3550105	8	0.94873228
ENSG00000185485	3	SDHAP1	195686619	rs2410787	3	195341647	G	T	0.671968	0.0112028	0.00859734	0.192555	0.545552	0.0931375	4.70E-09	0.0205348	0.0161442	0.2033871	0.2381275	6	0.72173156
ENSG00000163964	3	PIGX	196366646	rs4916543	3	196462949	T	C	0.228628	-0.0080248	0.0109728	0.464575	0.327239	0.0569511	9.14E-09	-0.0245226	0.033802	0.468158	0.2153131	5	0.88426028
ENSG00000119227	3	PIGZ	196673214	rs28498807	3	196679395	G	A	0.314115	-0.0064267	0.00934673	0.491713	0.568405	0.0618929	4.17E-20	-0.0113065	0.0164898	0.4929232	0.4219878	6	0.88426028
ENSG00000114473	3	IQCG	197615946	rs9834267	3	197686322	T	G	0.166004	-0.0117188	0.00970545	0.227261	0.658153	0.120186	4.35E-08	-0.0178056	0.0151007	0.2383493	0.6966063	19	0.74644947
ENSG00000250312	4	ZNF718	124386	rs6842197	4	159061	G	A	0.545726	0.0098175	0.00812377	0.226858	-0.941784	0.0809288	2.67E-31	-0.0104244	0.00867232	0.2293532	0.5979271	20	0.73598765
ENSG00000242686	4	RP11-1191J2.2	646639	rs9985747	4	657366	G	A	0.134195	-0.0050451	0.0110535	0.648084	-0.903608	0.101903	7.49E-19	0.00558328	0.0122488	0.6485179	0.3944065	20	0.93515218
ENSG00000169026	4	MFSD7	675618	rs28569875	4	647503	C	G	0.117296	0.00179428	0.011797	0.879111	0.882625	0.13223	2.47E-11	0.00203289	0.0133693	0.8791421	0.555956	20	0.97812135
ENSG00000159674	4	SPON2	1160720	rs3822017	4	1236312	T	C	0.435388	-0.0060526	0.00808216	0.453926	-0.478832	0.0863698	2.96E-08	0.0126404	0.0170322	0.4579995	0.2832297	7	0.88154197
ENSG00000163945	4	UVSSA	1341054	rs3796618	4	1349602	A	T	0.512922	-0.0046973	0.00815186	0.564466	-0.370678	0.0643498	8.39E-09	0.0126721	0.0221015	0.5664015	0.147179	11	0.91214319
ENSG00000179979	4	CRIPAK	1385340	rs115152027	4	1217078	G	C	0.0437376	-0.0211484	0.0243197	0.384518	2.22383	0.217325	1.41E-24	-0.0095099	0.0109754	0.386229	0.8757256	20	0.86105064
ENSG00000013810	4	TACC3	1723227	rs58012990	4	1763692	A	G	0.17495	0.00378479	0.0145231	0.794397	-0.742397	0.106394	3.00E-12	-0.0050981	0.0195761	0.7945373	0.6357393	13	0.95044568
ENSG00000125388	4	GRK4	2965335	rs2515938	4	2997982	T	C	0.348907	0.00799496	0.00828776	0.33471	-0.53272	0.0911284	5.04E-09	-0.0150078	0.0157678	0.3411992	0.8696931	4	0.83625593
ENSG00000013288	4	MAN2B2	6576902	rs7659958	4	6607830	C	T	0.183897	0.0109087	0.0111472	0.327777	-0.617414	0.0870764	1.34E-12	-0.0176684	0.0182258	0.3323381	0.2815585	5	0.83103105
ENSG00000155275	4	TRMT44	8437867	rs2631761	4	8498193	G	T	0.493042	0.00393786	0.00805457	0.624914	0.430359	0.0678681	2.28E-10	0.00915017	0.0187715	0.6259388	0.300353	13	0.92817169
ENSG00000205959	4	RP11-689P11.2	8483997	rs2631761	4	8498193	G	T	0.493042	0.00393786	0.00805457	0.624914	0.417933	0.0528205	2.53E-15	0.00942223	0.0193092	0.6255732	0.09882051	20	0.92817169
ENSG00000237765	4	FAM200B	15683285	rs3756247	4	15706466	C	T	0.287276	-0.0096413	0.00933546	0.301714	-0.409148	0.0570055	7.11E-13	0.0235644	0.0230518	0.3066688	0.6227418	9	0.80782048
ENSG00000249506	4	ZEB2P1	16362309	rs7693598	4	16411631	C	A	0.26839	-0.0084888	0.00899422	0.34527	1.21657	0.116552	1.66E-25	-0.0069776	0.00742326	0.3472333	0.5322486	20	0.8363037
ENSG00000163138	4	PACRGL	20697905	rs11737318	4	20663095	A	G	0.0785288	-0.0014564	0.0151491	0.923413	-1.03356	0.131855	4.56E-15	0.00140907	0.0146583	0.923419	0.3402008	20	0.98275204
ENSG00000249948	4	GBA3	22694537	rs28578809	4	22798608	G	A	0.167992	-0.0066901	0.0120066	0.577392	0.944031	0.124245	3.00E-14	-0.0070867	0.0127526	0.5784122	0.3540965	9	0.91214319
ENSG00000053900	4	ANAPC4	25378835	rs2168972	4	25417651	T	C	0.545726	0.0121741	0.00825949	0.140495	-0.467175	0.0707889	4.12E-11	-0.026059	0.0181152	0.1502888	0.3331463	20	0.67014512
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.762371	0.0868399	1.65E-18	0.00295108	0.0107311	0.7833137	0.3634612	20	0.94953271
ENSG00000251129	4	RP11-734I18.1	31999019	rs6553983	4	32005439	T	C	0.798211	4.45E-05	0.00915677	0.996121	-1.04043	0.10653	1.57E-22	-4.28E-05	0.00880095	0.996121	0.6691194	19	0.99820764
ENSG00000169299	4	PGM2	37828255	rs2059483	4	37828186	T	C	0.593439	0.00105421	0.00820681	0.897788	-0.434447	0.0673036	1.08E-10	-0.0024266	0.018894	0.8978086	0.9234819	11	0.97987891
ENSG00000231160	4	RP11-617D20.1	38614322	rs337626	4	38631477	C	T	0.126243	-0.01627	0.0116587	0.16286	-0.777396	0.106658	3.13E-13	0.0209288	0.0152695	0.170491	0.8042967	4	0.67907961
ENSG00000134962	4	KLB	39408473	rs62307974	4	39461744	G	A	0.202783	-0.0077829	0.00969955	0.422325	-0.952149	0.111583	1.42E-17	0.00817398	0.0102319	0.4243665	0.7203473	20	0.8760777
ENSG00000163682	4	RPL9	39455744	rs2687958	4	39459724	C	T	0.67992	0.00023959	0.00844861	0.977376	-0.621494	0.0528976	7.15E-32	-0.0003855	0.0135941	0.9773759	0.7261685	20	0.99593757
ENSG00000121897	4	LIAS	39460620	rs2687969	4	39452499	C	T	0.67992	0.00028721	0.00844962	0.972885	0.538152	0.0917043	4.40E-09	0.00053369	0.0157014	0.9728852	0.3250096	7	0.99535579
ENSG00000251350	4	RP11-328N19.1	44018878	rs7657060	4	44038516	T	G	0.178926	2.52E-05	0.010095	0.998009	0.618866	0.107983	9.97E-09	4.07E-05	0.0163121	0.9980091	0.2653486	6	0.99902179
ENSG00000177752	4	YIPF7	44624086	rs6813944	4	44635157	A	G	0.235586	-0.0200311	0.0108146	0.0639926	0.778698	0.141644	3.85E-08	-0.0257238	0.0146551	0.07921136	0.2649531	10	0.62558233
ENSG00000151806	4	GUF1	44680444	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	-0.782579	0.0778275	8.71E-24	0.0259768	0.0137478	0.05882208	0.3384841	16	0.5969465
ENSG00000163281	4	GNPDA2	44684217	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	0.458617	0.0705835	8.17E-11	-0.0443265	0.02403	0.06509053	0.7111482	7	0.61480595
ENSG00000170448	4	NFXL1	47849257	rs6826122	4	47916346	G	C	0.977137	-0.0956639	0.0387364	0.013526	-1.46332	0.22758	1.28E-10	0.0653746	0.028357	0.02114339	0.4124414	7	0.45306927
ENSG00000198515	4	CNGA1	47937994	rs321645	4	48008920	G	A	0.239563	0.00337932	0.0108055	0.754479	0.663172	0.112386	3.62E-09	0.00509569	0.0163165	0.7548107	0.9369458	9	0.94873228
ENSG00000269949	4	RP11-738E22.3	57827093	rs13113032	4	57827119	A	T	0.286282	0.00260725	0.00979536	0.790107	-0.671051	0.122107	3.89E-08	-0.0038853	0.0146142	0.7903468	0.1044689	17	0.95044568
ENSG00000163453	4	IGFBP7	57896939	rs4242004	4	57953278	A	C	0.645129	0.00499866	0.0082558	0.544865	0.439316	0.0587615	7.65E-14	0.0113783	0.0188539	0.5461783	0.2902147	14	0.90344232
ENSG00000138744	4	NAAA	76831809	rs6816425	4	76983992	C	T	0.372763	0.0101757	0.00831784	0.221196	-0.662203	0.0827235	1.19E-15	-0.0153664	0.0127067	0.2265407	0.09101196	14	0.73598765
ENSG00000138750	4	NUP54	77035812	rs894246	4	77079502	T	G	0.130219	-0.0060089	0.012093	0.619267	0.586123	0.0939112	4.34E-10	-0.010252	0.0206975	0.6203712	0.4452205	19	0.92780325
ENSG00000189157	4	FAM47E	77135193	rs4859653	4	77188613	C	T	0.642147	-0.0061837	0.00847984	0.465866	-0.564847	0.0682586	1.28E-16	0.0109475	0.0150708	0.467589	0.4155052	18	0.88426028
ENSG00000138758	4	11-Sep	77870856	rs7677255	4	77922864	C	T	0.626243	0.00721747	0.00818197	0.377712	0.428862	0.0561359	2.18E-14	0.0168294	0.0192051	0.3808687	0.6757554	14	0.85579268
ENSG00000251022	4	THAP9-AS1	83814162	rs6858248	4	83910874	A	G	0.241551	-0.0212546	0.009925	0.0322322	-0.580085	0.0664771	2.64E-18	0.0366405	0.0176173	0.03754345	0.4757902	17	0.50611661

ENSG00000145287	4	PLAC8	84011201	rs2903918	4	84157443	G	C	0.306163	0.0102418	0.00926714	0.269083	-0.441825	0.0810163	4.94E-08	-0.0231807	0.021401	0.2787392	0.6934465	3	0.7820888
ENSG00000273389	4	RP13-514E23.2	86921480	rs12503695	4	86925463	C	G	0.224652	0.0080106	0.00945897	0.397063	0.928925	0.104139	4.66E-19	0.00862352	0.0102285	0.3991795	0.6714661	7	0.86738013
ENSG00000109339	4	MAPK10	86936276	rs2282597	4	86952946	C	T	0.240557	0.00683136	0.0108338	0.528327	0.175552	0.0318186	3.44E-08	0.0389136	0.0621145	0.530999	0.6208585	4	0.89543678
ENSG00000170509	4	HSD17B13	88224941	rs28419230	4	88196319	T	G	0.252485	-0.0062936	0.00956063	0.510358	0.79535	0.11343	2.35E-12	-0.007913	0.0120735	0.5122116	0.7460168	4	0.88648551
ENSG00000152583	4	SPARCL1	88394487	rs28521138	4	88446666	A	T	0.187873	0.00927581	0.0120714	0.442241	-0.298761	0.0519518	8.89E-09	-0.0310476	0.040764	0.4462732	0.5913488	11	0.8760777
ENSG00000029559	4	IBSP	88720733	rs1054629	4	88732918	T	A	0.329026	0.00845425	0.00848743	0.319206	0.637067	0.0949685	1.97E-11	0.0132706	0.0134687	0.3244828	0.5490176	13	0.82362657
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	0.978313	0.0894707	7.89E-28	-0.0139049	0.00846301	0.1003797	0.2767387	19	0.64481993
ENSG00000138722	4	MMRN1	90800683	rs76707913	4	90835226	C	T	0.0377734	0.00933161	0.0240819	0.69839	1.79117	0.256397	2.83E-12	0.00520978	0.0134655	0.6988302	0.9584135	13	0.94727701
ENSG00000138777	4	PPA2	106290234	rs1994636	4	106362011	G	A	0.590457	-0.0078513	0.00806384	0.330232	0.38954	0.0658961	3.39E-09	-0.0201554	0.0209798	0.3367016	0.5555931	9	0.83103105
ENSG00000123739	4	PLA2G12A	110631145	rs9995011	4	110652734	C	A	0.530815	0.0071943	0.00808752	0.373704	0.353677	0.0583675	1.37E-09	0.0203414	0.0231121	0.378793	0.8039731	8	0.85314907
ENSG00000109534	4	GAR1	110736666	rs10365	4	110745854	G	C	0.647117	-0.0110425	0.00819385	0.177768	0.715103	0.0904023	2.57E-15	-0.0154418	0.0116234	0.1840082	0.01554807	17	0.69741952
ENSG00000260404	4	RP11-384K6.6	119512928	rs9761692	4	119567203	G	A	0.326044	-0.0076777	0.00842636	0.362215	-0.449962	0.067903	3.44E-11	0.017063	0.018903	0.366706	0.00250074	11	0.84538623
ENSG00000250412	4	KLHL2P1	120255484	rs4833624	4	120585497	T	C	0.308151	-0.0090208	0.00890455	0.311033	0.678317	0.1023	3.34E-11	-0.0132988	0.0132797	0.3166163	0.8205546	17	0.81774291
ENSG00000249244	4	RP11-548H18.2	120312986	rs10028669	4	120295197	T	C	0.2833	-0.0137511	0.00931734	0.139982	0.816032	0.08415	3.09E-22	-0.0168512	0.0115493	0.1445486	0.8171715	12	0.66790255
ENSG00000245958	4	RP11-33B1.1	120375946	rs10434028	4	120294464	G	T	0.323062	-0.0146746	0.00870569	0.091865	-0.840093	0.0843172	2.20E-23	0.0174678	0.01051	0.09650963	0.9715489	10	0.64481993
ENSG00000164111	4	ANXA5	122589110	rs13109053	4	122599447	A	G	0.312127	0.00512921	0.00900707	0.56904	-0.428518	0.0463425	2.31E-20	-0.0119696	0.0210589	0.5697715	0.7611377	12	0.91214319
ENSG00000151470	4	C4orf33	130014472	rs530686	4	130039884	G	A	0.590457	-0.0057054	0.00826942	0.490232	-0.446944	0.0717917	4.80E-10	0.0127654	0.0186154	0.4928762	0.6187343	11	0.88426028
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.906662	0.0969448	8.57E-21	-0.0103852	0.0157262	0.5090156	0.3754357	9	0.88426028
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.911844	0.127347	8.05E-13	-0.0103261	0.0156644	0.5097596	0.2643453	7	0.88426028
ENSG00000251600	4	RP11-673E1.1	144833484	rs4054534	4	144891280	T	A	0.657058	-0.0034309	0.0085734	0.689022	0.814667	0.0951319	1.09E-17	-0.0042115	0.0105353	0.689343	0.9936164	10	0.94651419
ENSG00000185149	4	NPY2R	156129781	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	0.841691	0.146058	8.28E-09	0.0291839	0.0180149	0.1052351	0.08105643	4	0.64481993
ENSG00000248429	4	RP11-597D13.9	159091904	rs4691461	4	159059445	C	T	0.849901	-0.0142436	0.0111079	0.19974	0.845316	0.108914	8.41E-15	-0.01685	0.0133187	0.2058197	0.7359456	7	0.72385431
ENSG00000171503	4	ETFDH	159593277	rs4132807	4	159563147	G	A	0.128231	-0.0189018	0.0153353	0.217738	-0.499366	0.0854274	5.05E-09	0.0378516	0.0313848	0.2277988	0.8420819	3	0.73598765
ENSG00000271817	4	U3	159621843	rs6536365	4	159632293	A	C	0.289264	-0.0088001	0.0091931	0.338438	0.665461	0.113737	4.89E-09	-0.0132241	0.0139983	0.3448148	0.2604923	5	0.8363037
ENSG00000273449	4	RP11-218F10.3	164450923	rs2044052	4	164457232	C	T	0.56163	-0.0055921	0.00825377	0.49808	-0.692069	0.101595	9.62E-12	0.00808019	0.0119851	0.5001916	0.7984523	14	0.88426028
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.438205	0.0518125	2.73E-17	0.00042651	0.0186907	0.9817945	0.6166264	9	0.99593757
ENSG00000248174	4	RP11-148L24.1	175015811	rs75632645	4	175040059	C	T	0.105368	0.017567	0.0137513	0.201435	1.36411	0.137711	3.94E-23	0.012878	0.0101643	0.2051602	0.8608637	17	0.72293997
ENSG00000249106	4	RP11-806K15.1	176711458	rs13137352	4	176753162	A	G	0.930417	-0.0528971	0.0140068	0.00015903	0.924645	0.160675	8.68E-09	-0.057208	0.0181189	0.001592	0.8526961	5	0.24161586
ENSG00000164122	4	ASB5	177134824	rs13130595	4	177147591	T	C	0.209742	-0.0076945	0.0104191	0.46021	0.755151	0.135829	2.70E-08	-0.0101893	0.0139186	0.464127	0.7142178	5	0.88426028
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.629567	0.0755144	7.62E-17	-0.0080185	0.0131497	0.5420032	0.4411088	6	0.8990588
ENSG00000271538	4	RP11-326I11.4	185427614	rs13111483	4	185458566	G	A	0.662028	-0.0038437	0.00823148	0.640531	-0.449198	0.0733485	9.12E-10	0.00855689	0.018378	0.6414985	0.5902031	4	0.93476849
ENSG00000151725	4	MLF1IP	185615772	rs876838	4	185655487	T	G	0.677932	0.00515587	0.0086253	0.549999	0.523343	0.0917825	1.18E-08	0.0098518	0.0165715	0.5521755	0.3790442	3	0.90826759
ENSG00000109771	4	LRP2BP	186285032	rs112017996	4	186310213	C	T	0.100398	0.0008057	0.0163103	0.960602	-0.738577	0.128664	9.45E-09	-0.0010909	0.0220842	0.9606034	0.1390009	5	0.99296872
ENSG00000109775	4	UFSP2	186320694	rs34368517	4	186368110	G	A	0.717694	-0.0156804	0.00965751	0.10445	0.8241	0.0776398	2.55E-26	-0.0190273	0.0118552	0.1084983	0.6466837	20	0.64481993
ENSG00000168491	4	CCDC110	186366336	rs4241800	4	186401223	T	G	0.822068	-0.0095463	0.00972585	0.326328	-0.390285	0.0712975	4.40E-08	0.0244597	0.0253173	0.3339803	0.9925951	4	0.83103105
ENSG00000109794	4	FAM149A	187025573	rs4241814	4	187093018	T	G	0.599404	-0.0040934	0.0080608	0.611581	0.509025	0.0529775	7.37E-22	-0.0080417	0.0158579	0.6120774	0.3948773	20	0.92780325
ENSG00000145476	4	CYP4V2	187112674	rs3736455	4	187122319	G	T	0.671968	-0.0097795	0.0086834	0.26007	-0.305202	0.0524053	5.75E-09	0.0320426	0.0289784	0.2688389	0.1400633	3	0.77433453
ENSG00000164344	4	KLKB1	187130133	rs62350518	4	187118358	T	C	0.176938	0.00884754	0.0124287	0.476551	0.640663	0.104802	9.77E-10	0.01381	0.0195308	0.4795133	0.755226	6	0.88426028
ENSG00000245685	4	AF146191.4	190701490	rs13121183	4	190890245	C	T	0.322068	-0.0162079	0.008738	0.0636136	0.803792	0.128244	3.66E-10	-0.0201643	0.011337	0.07530168	0.6870345	20	0.61606353
ENSG00000164366	5	CCDC127	196986	rs13474	5	205077	C	G	0.148111	0.0123714	0.010352	0.232058	0.598507	0.0940023	1.93E-10	0.0206704	0.0175984	0.24017	0.7974591	6	0.75060943
ENSG00000221990	5	C5orf55	441645	rs890985	5	479746	G	C	0.798211	0.00011536	0.011362	0.991899	0.525952	0.0787743	2.44E-11	0.00021933	0.0216028	0.9918993	0.0411798	20	0.99593757
ENSG00000180104	5	EXOC3	443273	rs67665078	5	428754	A	G	0.485089	0.0224381	0.00809975	0.00560183	-0.805134	0.0865068	1.31E-20	-0.0278688	0.0104963	0.00792834	0.3164821	20	0.37907695
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	1.0069	0.0918222	5.58E-28	0.0033263	0.00883224	0.7064645	0.2529637	20	0.94727701
ENSG00000066230	5	SLC9A3	473425	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.848455	0.0979837	4.75E-18	0.00394747	0.0104854	0.7065641	0.1583084	20	0.94727701
ENSG00000171368	5	TPPP	660883	rs9800013	5	542023	G	A	0.214712	0.00950774	0.0110871	0.391142	0.30936	0.0532034	6.08E-09	0.0307336	0.0362265	0.3962302	0.7550701	20	0.86478118
ENSG00000145506	5	NKD2	1008944	rs56006100	5	1022326	A	G	0.463221	0.00426059	0.00816405	0.60176	-0.479422	0.0682949	2.22E-12	-0.0088869	0.0170759	0.6027598	0.6254956	20	0.92620334
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.23489	0.0869498	8.86E-46	0.00330226	0.00677872	0.6261513	0.7828121	20	0.92817169
ENSG00000250490	5	CTD-2324F15.2	6310554	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	0.530406	0.0827474	1.46E-10	0.00472791	0.0151983	0.7557394	0.1854078	7	0.94873228
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-0.881921	0.0798349	2.27E-28	-0.0006684	0.00922787	0.9422533	0.4770122	19	0.99087277
ENSG00000145545	5	SRD5A1	6633456	rs30436	5	6671309	A	G	0.583499	0.0132123	0.00824481	0.109044	0.220437	0.0403557	4.70E-08	0.0599369	0.0389784	0.1241239	0.9160539	11	0.65842282
ENSG00000247732	5	RP11-404K5.1	7290936	rs74684352	5	7296463	A	G	0.127237	0.00529193	0.0113744	0.641753	0.8513	0.130777	7.54E-11	0.00621629	0.0133953	0.6426009	0.3113463	15	0.93485806
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.562109	0.0784272	7.65E-13	-0.0085843	0.0145746	0.5558665	0.4846535	14	0.9101449
ENSG00000250786	5	SNHG18	9546312	rs59758866	5	9546372	G	C	0.300199	-0.0004098	0.0098573	0.966837	-0.597484	0.0697168	1.03E-17	0.00068591	0.0164982	0.9668375	0.1019321	10	0.99493047
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.86235	0.106148	4.51E-16	-0.0058915	0.0100206	0.5565721	0.9639883	12	0.91015994
ENSG00000271892	5	CTD-2228A4.1	17107469	rs1032763	5	17118930	T	C	0.357853	0.00254863	0.00889562	0.774492	0.583601	0.0774908	5.03E-14	0.00436708	0.0152537	0.7746508	0.7194791	15	0.94953271
ENSG00000248455	5	RP11-321E2.3	17404128	rs17626779	5	17404430	C	G	0.242545	0.00595186	0.0096271	0.536418	-0.487376	0.084143	6.95E-09	-0.012212	0.0198651	0.538721	0.6037503	5	0.8990588
ENSG00000183666	5	GUSBP1	21341942	rs34460356	5	21568641	A	G	0.139165	-0.0229456	0.0139647	0.100358	1.22531	0.161878	3.75E-14	-0.0187264	0.0116623	0.1083359	0.3496424	20	0.64481993
ENSG00000272130	5	RP11-360I2.1	21569864	rs75158803	5	21573069	G	A	0.140159	-0.0228409	0.0139964	0.102698	1.46402	0.153362	1.35E-21	-0.0156015	0.00969894	0.1077087	0.2783401	11	0.64481993
ENSG00000249572	5	CTD-2203K17.1	33424131	rs55810809	5	33405025	A	G	0.27833	0.0162804	0.00988039	0.0994031	-0.805892	0.132813	1.30E-09	-0.0202017	0.0127042	0.1117985	0.03724774	6	0.64481993
ENSG00000242110	5	AMACR	33986283	rs6875926	5	34012492	C	T	0.50497	-0.0140479	0.00810896	0.0832032	0.777827	0.0650831	6.39E-33	-0.0180604	0.0105341	0.08644173	0.6039361	20	0.64379887
ENSG00000152582	5	SPEF2	35617946	rs10067949	5	35705098	G	T	0.626243	0.00990603	0.00850478	0.244116	-0.373141	0.0536796	3.62E-12	-0.0265477	0.0231102	0.250661	0.6749243	19	0.76320085
ENSG00000172244	5	C5orf34	43486803	rs7736615	5	43570686	G	C	0.5	-0.0153704	0.00811828	0.0583163	0.351176	0.0624453	1.87E-08	-0.0437684	0.0243923	0.07275758	0.5124893	4	0.61480595
ENSG00000247796	5	CTD-2366F13.1	52405672	rs62359378	5	52414791	A	G	0.324056	0.00720601	0.00858943	0.401503	0.557832	0.0770869	4.61E-13	0.0129179	0.015501	0.4046431	0.02103118	10	0.86982438
ENSG00000152669	5	CCNO	54526980	rs334881	5	54520702	G	A	0.11829	0.0174386	0.011456	0.127953	-0.695406	0.106658	7.03E-11	-0.0250769	0.0169169	0.1382448	0.1034585	15	0.66434762
ENSG00000152670	5	DDX4	55033845	rs1540385	5	54894233	C	T	0.664016	0.00835649	0.0087062	0.33714	0.495858	0.088066	1.80E-08	0.0168526	0.0178111	0.3440555	0.8094481	6	0.8363037
ENSG00000155542	5	SETD9	56205087	rs744023	5	56197078	T	C	0.840954	-0.002063	0.0107983	0.848488	0.986591	0.0929397	2.53E-26	-0.002091	0.0109468	0.8485125	0.05409524	20	0.96559734
ENSG00000178722	5	C5orf64	60933535	rs153379	5	61002805	A	T	0.331014	-0.0051426	0.00921721	0.576891	-0.435323	0.0689597	2.74E-10	0.0118133	0.0212558	0.5783709	0.07205359	5	0.91214319
ENSG00000253203	5	GUSBP3	68790040	rs111743460	5	68929183	G	C	0.568588	0.00940679	0.00870377	0.279799	-0.745726	0.0909381	2.40E-16	-0.0126143	0.0117725	0.283942	0.2944957	8	0.78682242
ENSG00000226259	5	GTF2H2B	69711179	rs10058698	5	70670771	C	A	0.636183	-0.0136879	0.00860533	0.111693	-0.910229	0.0973751	8.96E-21	0.0150379	0.00958992	0.1168601	0.00575402	6	0.65315858
ENSG00000172058	5	SERF1A	70196492	rs212211	5	69375219	G	A	0.732604	0.00475311	0.0105405	0.652035	-1.08903	0.106171	1.10E-24	-0.0043645	0.00968815	0.652348	0.02001611	5	0.93515218
ENSG00000145736	5	GTF2H2	70330784	rs12055271	5	70676547	C	G	0.624254	-0.0072359	0.00868345	0.404674	-0.816029	0.105018	7.83E-15	0.00886726	0.0107021	0.4073582	0.03655427	4	0.86982438
ENSG00000230847	5	RP11-195E2.1	70370052	rs7710143	5	70675730	G	A	0.642147	-0.0097576	0.00871128	0.262668	-0.80469	0.0899274	3.61E-19	0.0121259	0.0109101	0.2663817	0.07133491	3	0.77289867
ENSG00000113048	5	MRPS27	71515236	rs6831	5	71515616	G	A	0.65507	0.00454141	0.00814031	0.576918	-0.380136	0.0512931	1.25E-13	-0.0119468	0.0214748	0.5779938	0.6398791	6	0.91214319
ENSG00000164338	5	UTP15	72861268	rs343110	5	72884115	T	C	0.218688	-0.0176527	0.00929549	0.0575559	-0.730919	0.108011	1.31E-11	0.0241514	0.0132088	0.0674855	0.9150079	12	0.61480595
ENSG00000164346	5	NSA2	74062817	rs72764648	5	74038097	A	C	0.139165	-0.0150032	0.0126105	0.234146	1.20033	0.097893	1.45E-34	-0.0124992	0.0105552	0.2363428	0.07314658	13	0.74370709
ENSG00000164251	5	F2RL1	76114758	rs2242995	5	76115665	C	G	0.516899	0.0167116	0.00814258	0.0401338	-0.635627	0.0912289	3.23E-12	-0.0262915	0.0133545	0.04898363	0.7189714	17	0.57871079
ENSG00000228716	5	DHFR	79922047	rs1643652	5	79955079	A	G	0.252485	0.00860736	0.00984457	0.381941	-0.757868	0.080924	7.59E-21	-0.0113573	0.0130463	0.3840053	0.9681021	20	0.85900505
ENSG00000247572	5	CKMT2-AS1	80499903	rs10038684	5	80580978	A	C	0.182903	-0.0134701	0.0100877	0.181777	1.15534	0.144752	1.45E-15	-0.011659	0.00885272	0.18784	0.2106177	11	0.70592061
ENSG00000248794	5	CTD-2248H3.1	80538149	rs9293841	5	80543426	C	T	0.192843	-0.0113514	0.00988687	0.250914	1.038	0.146052	1.19E-12	-0.0109358	0.00964841	0.257032	0.2322116	7	0.77102595
ENSG00000152348	5	ATG10	81267844	rs10036937	5	81555167	G	C	0.553678	0.00443582	0.00821749	0.589333	-0.564756	0.0839433	1.72E-11	-0.0078544	0.0145973	0.5905266	0.08614438	20	0.91885566
ENSG00000186468	5	RPS23	81569177	rs111772743	5	81569088	T	C	0.298211	0.00481835	0.00872486	0.580772	-0.659498	0.0620333	2.13E-26	-0.0073061	0.0132474	0.581283	0.6377325	20	0.91214319
ENSG00000205464	5	ATP6AP1L	81575281	rs6894520	5	81594748	T	C	0.299205	0.00526538	0.00872416	0.546149	0.78959	0.0666548	2.26E-32	0.0066685	0.0110633	0.5466695	0.6759296	20	0.90344232
ENSG00000249664	5	CTD-2227C6.2	82308104	rs3899556	5	82363681	T	C	0.460239	0.00310654	0.00807377	0.700408	0.716394	0.114473	3.89E-10	0.00433636	0.0112913	0.7009456	0.02787072	9	0.94727701
ENSG00000247828	5	TMEM161B-AS1	87564712	rs61270009	5	87576139	T	A	0.245527	0.0128565	0.00925736	0.164897	0.743881	0.0768829	3.83E-22	0.017283	0.0125722	0.1692251	0.05188987	14	0.6779252
ENSG00000271904	5	CTC-498M16.4	87729709	rs6884773	5	87715465	G	A	0.262425	-0.0105513	0.0101796	0.299961	0.573729	0.0754452	2.86E-14	-0.0183907	0.0179069	0.3044119	0.00221252	15	0.80715034
ENSG00000243806	5	CTC-484P3.1	94161666	rs152286	5	94193334	A	G	0.890656	0.00867352	0.0106707	0.416313	-0.933201	0.15788	3.40E-09	-0.0092944	0.0115421	0.4206715	0.6526782	8	0.8760777
ENSG00000153113	5	CAST	95860971	rs4267886	5	95997266	C	T	0.151093	0.0144531	0.0116838	0.216078	0.362002	0.0612706	3.46E-09	0.0399255	0.0329753	0.2259846	0.9334377	3	0.73598765
ENSG00000164307	5	ERAP1	96096521	rs28432918	5	96101226	A	G	0.337972	-0.0112757	0.00885815	0.203046	-0.673041	0.0825382	3.51E-16	0.0167534	0.0133208	0.2085052	0.1576414	20	0.72810754
ENSG00000164308	5	ERAP2	96211643	rs2927608	5	96252432	A	G	0.426441	-0.0050424	0.00809512	0.533353	1.0647	0.0720076	1.81E-49	-0.004736	0.00760994	0.5337163	0.1442149	20	0.89848316
ENSG00000145777	5	TSLP	110405760	rs3806933	5	110406742	T	C	0.454274	-0.0110276	0.00808817	0.172749	-0.582599	0.0992898	4.42E-09	0.0189283	0.0142528	0.184164	0.5846139	6	0.69741952
ENSG00000131435	5	PDLIM4	131593364	rs10463891	5	131597392	G	A	0.605368	0.00898581	0.00806501	0.265205	-0.34188	0.0562687	1.23E-09	-0.0262835	0.0239835	0.2731232	0.06760057	6	0.77954811
ENSG00000233006	5	AC034220.3	131646978	rs272842	5	131656517	G	A	0.584493	0.00582512	0.00807028	0.470418	0.862184	0.098398	1.91E-18	0.00675624	0.00939198	0.4719177	0.7782495	20	0.88426028
ENSG00000197536	5	C5orf56	131746328	rs2706386	5	131832687	T	C	0.654076	-0.0017075	0.00861884	0.842959	0.363892	0.0646496	1.82E-08	-0.0046923	0.0236998	0.8430548	0.319585	5	0.96559734
ENSG00000237190	5	CDKN2AIPNL	133737778	rs62381376	5	133746115	T	C	0.0357853	0.00826845	0.0203716	0.68483	0.529496	0.0820113	1.07E-10	0.0156157	0.0385495	0.6854176	0.9741844	5	0.94651419
ENSG00000164615	5	CAMLG	134074191	rs60191893	5	134080856	A	G	0.133201	0.00508378	0.0101829	0.617605	1.31681	0.0979893	3.61E-41	0.00386068	0.00773834	0.617848	0.394423	13	0.92780325
ENSG00000112981	5	NME5	137450866	rs144037381	5	137717902	T	C	0.0228628	-0.0435924	0.0265689	0.100853	-1.37668	0.216768	2.14E-10	0.0316649	0.0199329	0.1121565	0.9993456	6	0.64481993
ENSG00000253404	5	AC034243.1	138080123	rs825761	5	138138007	G	A	0.729622	-0.028111	0.0086806	0.00120215	-0.789983	0.0945948	6.76E-17	0.0355843	0.0117856	0.00253347	0.903514	20	0.24369595
ENSG00000213523	5	SRA1	139916925	rs250431	5	139940233	A	G	0.713718	0.00657472	0.00834246	0.430637	0.404569	0.0626365	1.05E-10	0.0162512	0.0207735	0.4340375	0.2243549	10	0.8760777
ENSG00000146007	5	ZMAT2	140078265	rs801181	5	140092814	T	C	0.43837	-0.009262	0.0080934	0.252464	0.214491	0.0372733	8.69E-09	-0.0431812	0.038472	0.2616892	0.6231739	12	0.77251343
ENSG00000204961	5	PCDHA9	140227048	rs246039	5	140331337	A	G	0.457256	0.00633887	0.00825057	0.442312	0.683289	0.0931107	2.16E-13	0.009277	0.0121408	0.4447966	0.07077476	12	0.8760777
ENSG00000250120	5	PCDHA10	140235595	rs550475	5	140273528	C	G	0.514911	0.00143411	0.00809352	0.859357	-0.507913	0.0872651	5.87E-09	-0.0028235	0.0159422	0.8594217	0.05682198	13	0.9728182
ENSG00000239389	5	PCDHA13	140261793	rs251381	5	140264855	G	A	0.66501	-0.0202418	0.00877926	0.021131	-0.710312	0.095657	1.12E-13	0.0284971	0.0129418	0.02766975	0.2485991	10	0.47888085
ENSG00000112852	5	PCDHB2	140474227	rs246675	5	140456200	G	A	0.158052	-0.0151041	0.013199	0.252484	0.648982	0.114634	1.50E-08	-0.0232735	0.0207493	0.2620103	0.3494917	5	0.77251343
ENSG00000120322	5	PCDHB8	140557371	rs652104	5	140626571	A	C	0.23161	0.00864031	0.00959521	0.367864	0.715531	0.115604	6.04E-10	0.0120754	0.0135511	0.3728753	0.1525355	3	0.84561261
ENSG00000133706	5	LARS	145492601	rs13175806	5	145472399	A	G	0.251491	0.0142948	0.00862348	0.0973868	0.552154	0.0948659	5.87E-09	0.0258892	0.0162389	0.1108771	0.6322387	7	0.64481993
ENSG00000204909	5	SPINK9	147700766	rs12717973	5	147793971	A	G	0.21173	-0.003646	0.00980524	0.710009	0.840108	0.121102	4.00E-12	-0.0043399	0.0116882	0.7104067	0.8620897	11	0.94727701
ENSG00000173210	5	ABLIM3	148521046	rs13171669	5	148601243	G	A	0.362823	0.0110435	0.00840144	0.188687	-0.573898	0.0889027	1.08E-10	-0.019243	0.0149397	0.1977304	0.9904589	5	0.71320307
ENSG00000164296	5	TIGD6	149372681	rs216128	5	149429209	T	C	0.647117	0.00510035	0.00927331	0.582316	0.604727	0.101072	2.19E-09	0.00843414	0.0153994	0.5839021	0.9867694	13	0.91214319
ENSG00000254333	5	CTC-367J11.1	149855094	rs3846703	5	149857460	T	C	0.0725646	0.0225751	0.014915	0.130131	1.42786	0.221446	1.13E-10	0.0158104	0.0107296	0.1406082	0.8239232	6	0.66434762
ENSG00000197083	5	ZNF300P1	150310207	rs17800987	5	150323428	G	A	0.115308	0.0160517	0.0132865	0.227001	1.33113	0.132853	1.25E-23	0.0120587	0.0100537	0.2303595	0.09674542	20	0.73598765
ENSG00000260581	5	CTB-113P19.4	151031836	rs165353	5	150856757	T	C	0.385686	0.00011035	0.00828592	0.989374	0.450918	0.0714395	2.76E-10	0.00024472	0.0183757	0.9893744	0.9349638	3	0.99593757
ENSG00000213433	5	RP11-54C4.1	151145420	rs6890099	5	151151962	G	A	0.263419	-0.0281543	0.00873166	0.00126238	-0.856079	0.0982148	2.87E-18	0.0328875	0.0108751	0.00249365	0.1717178	19	0.24369595
ENSG00000113272	5	THG1L	157158205	rs62387757	5	157160434	T	C	0.131213	0.00565413	0.0124173	0.648863	0.889847	0.137691	1.03E-10	0.00635405	0.013989	0.6496727	0.1109357	14	0.93515218
ENSG00000118322	5	ATP10B	159990127	rs9284995	5	160289882	C	T	0.833002	0.0121398	0.0115599	0.293645	-0.515242	0.0661218	6.58E-15	-0.0235614	0.0226387	0.2979889	0.4660182	10	0.80544615
ENSG00000113734	5	BNIP1	172571445	rs17729841	5	172472573	T	C	0.11829	-0.0084075	0.0132953	0.527146	-0.741773	0.108512	8.15E-12	0.0113344	0.0180002	0.5289044	0.5026657	8	0.89404772
ENSG00000051596	5	THOC3	175344876	rs7735794	5	175339984	A	G	0.251491	-0.0153684	0.00915199	0.0931044	0.677265	0.0804454	3.80E-17	-0.0226919	0.0137793	0.09959867	0.3103103	6	0.64481993
ENSG00000213347	5	MXD3	176728462	rs11952102	5	176740704	A	G	0.763419	0.00682259	0.00878806	0.437543	-0.543117	0.0819718	3.46E-11	-0.0125619	0.0162915	0.440664	0.6139801	8	0.8760777
ENSG00000169220	5	RGS14	176784838	rs4976646	5	176788570	C	T	0.348907	4.01E-05	0.00838215	0.996184	-0.363372	0.0619008	4.35E-09	-0.0001103	0.0230677	0.9961839	0.6698749	4	0.99820764
ENSG00000272459	5	RP11-1277A3.3	176981825	rs62398471	5	176980904	A	G	0.270378	-0.002544	0.00898252	0.777011	0.779501	0.0988302	3.09E-15	-0.0032636	0.0115308	0.7771505	0.438448	7	0.94953271
ENSG00000027847	5	B4GALT7	177027101	rs11537644	5	177031348	C	T	0.633201	-0.0032463	0.00851739	0.703103	-0.408529	0.0685983	2.59E-09	0.00794627	0.0208916	0.7036801	0.8136164	13	0.94727701
ENSG00000249849	5	RP11-1101H11.1	177109295	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.727872	0.0986395	1.59E-13	0.0197389	0.0116543	0.09032278	0.469001	11	0.64379887
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.814071	0.0651616	8.14E-36	0.0176488	0.01024	0.08479523	0.4028003	20	0.64379887
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	1.11637	0.0974583	2.22E-30	0.0147737	0.00763382	0.05295427	0.512506	20	0.59174573
ENSG00000170089	5	RP11-423H2.1	177236408	rs62399486	5	177267396	A	G	0.392644	0.00934374	0.00820082	0.254551	0.673693	0.0955043	1.74E-12	0.0138694	0.0123307	0.2606785	0.3645579	5	0.77251343
ENSG00000204677	5	FAM153C	177433406	rs55951284	5	177430788	T	C	0.492048	0.00018697	0.0080839	0.981547	0.349313	0.0542239	1.18E-10	0.00053526	0.0231424	0.9815475	0.1155574	6	0.99593757
ENSG00000218227	5	RP11-889L3.1	177482605	rs55951284	5	177430788	T	C	0.492048	0.00018697	0.0080839	0.981547	0.451053	0.0673174	2.08E-11	0.00041452	0.0179224	0.9815475	0.1165842	10	0.99593757
ENSG00000127022	5	CANX	179105629	rs1134924	5	179126090	T	C	0.496024	0.0122447	0.00805621	0.128535	-0.375917	0.056532	2.94E-11	-0.0325729	0.0219835	0.1384212	0.9791788	13	0.66434762
ENSG00000161010	5	C5orf45	179261436	rs1065154	5	179264915	T	G	0.506958	-0.0152319	0.00823663	0.0644169	-0.521421	0.0725521	6.63E-13	0.0292123	0.0163111	0.07330171	0.47455	11	0.61480595
ENSG00000197226	5	TBC1D9B	179289066	rs272441	5	179301260	G	A	0.884692	-0.0021476	0.0151594	0.887341	0.985812	0.135739	3.80E-13	-0.0021786	0.0153805	0.8873616	0.9856697	6	0.97971665
ENSG00000168903	5	BTNL3	180415845	rs72494581	5	180430797	C	T	0.322068	-0.0104168	0.00852149	0.221551	0.814315	0.0951783	1.17E-17	-0.0127921	0.0105709	0.2262306	0.4398751	20	0.73598765
ENSG00000248275	5	TRIM52-AS1	180688213	rs2770993	5	180698588	C	G	0.220676	0.0183079	0.00999635	0.0670317	-0.959644	0.0780306	9.25E-35	-0.0190778	0.0105316	0.07006628	0.1028271	19	0.61480595
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.18152	0.10008	3.65E-32	0.00725609	0.00841668	0.3886284	0.8511539	17	0.86143514
ENSG00000164385	6	C6orf195	2622147	rs55669328	6	2635494	T	C	0.378728	-0.0015811	0.00879749	0.85737	0.599358	0.10799	2.85E-08	-0.002638	0.0146859	0.8574441	0.173228	4	0.9711465
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.907111	0.0988837	4.58E-20	-0.0029317	0.00906108	0.7462804	0.06664176	10	0.94727701
ENSG00000124588	6	NQO2	2988221	rs4149360	6	3006807	G	A	0.188867	-0.0024103	0.00988062	0.807274	-0.549978	0.0833419	4.14E-11	0.00438258	0.0179778	0.807403	0.5960393	15	0.95331821
ENSG00000272277	6	RP1-40E16.12	3068279	rs12663589	6	3069057	T	C	0.544732	-0.0014399	0.00827713	0.861898	-0.627157	0.11054	1.40E-08	0.00229587	0.0132041	0.861963	0.449707	4	0.97305269
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	1.00366	0.10127	3.74E-23	0.00358428	0.0101755	0.7246539	0.07365671	13	0.94727701
ENSG00000180822	6	PSMG4	3231637	rs4613858	6	3287681	T	C	0.887674	0.0231371	0.0148119	0.118273	0.627549	0.104572	1.96E-09	0.036869	0.0243893	0.1306129	0.5159268	7	0.65842282
ENSG00000228793	6	RP1-223B1.1	3594481	rs226950	6	3716413	A	G	0.675944	0.012455	0.00884688	0.159179	0.660095	0.088607	9.36E-14	0.0188685	0.0136397	0.1665559	0.1020607	9	0.6747737
ENSG00000198721	6	ECI2	4115923	rs3177253	6	4133855	T	C	0.274354	0.00107165	0.00978564	0.912796	-0.274416	0.039271	2.79E-12	-0.0039052	0.0356643	0.9128067	0.9822677	19	0.97987891
ENSG00000124783	6	SSR1	7268539	rs72818961	6	7297674	C	T	0.0347913	-0.0271692	0.0285434	0.34117	-0.881434	0.161593	4.91E-08	0.0308239	0.0328723	0.3484059	0.9205786	6	0.8363037
ENSG00000145979	6	TBC1D7	13266774	rs454563	6	13295536	T	C	0.877734	0.020403	0.0100814	0.0429893	-0.483853	0.0837627	7.63E-09	-0.0421678	0.0220774	0.05613417	0.947452	12	0.5969465
ENSG00000124523	6	SIRT5	13574816	rs4631285	6	13670551	G	A	0.0735586	0.0199375	0.0195796	0.308546	-0.609012	0.0972796	3.84E-10	-0.0327374	0.0325723	0.3148627	0.5450875	11	0.81632603
ENSG00000050393	6	MCUR1	13786789	rs6904811	6	13777936	A	G	0.33002	0.0182208	0.0083637	0.029365	0.406718	0.0655293	5.41E-10	0.0447996	0.0217939	0.03982055	0.1039675	10	0.51663817
ENSG00000165097	6	KDM1B	18155560	rs7740550	6	18183783	A	G	0.657058	-0.0106821	0.0090064	0.2356	0.312599	0.0530706	3.86E-09	-0.0341719	0.0293896	0.2449435	0.7762863	4	0.75393686
ENSG00000228412	6	RP4-625H18.2	19802395	rs7750716	6	19804839	T	C	0.125249	0.0145471	0.013249	0.272217	0.773949	0.119594	9.71E-11	0.0187959	0.0173633	0.2790272	0.08670636	8	0.7820888
ENSG00000124532	6	MRS2	24403153	rs1056283	6	24420376	C	T	0.426441	-0.0200526	0.00809456	0.0132382	0.43903	0.0697053	3.01E-10	-0.0456748	0.0198123	0.02114535	0.4467025	7	0.45306927
ENSG00000272462	6	U91328.19	25992890	rs12201678	6	25978993	T	C	0.210736	0.00776335	0.00927833	0.402751	-0.521244	0.0839845	5.42E-10	-0.0148939	0.0179614	0.4069817	0.1463584	20	0.86982438
ENSG00000186470	6	BTN3A2	26365387	rs9393703	6	26356951	C	T	0.112326	-0.0691409	0.0145391	1.98E-06	-1.13886	0.121858	9.12E-21	0.0607106	0.0143241	2.25E-05	0.0391102	20	0.04442231
ENSG00000124508	6	BTN2A2	26383324	rs9467740	6	26383250	T	A	0.183897	-0.004207	0.0104269	0.686602	0.542094	0.0886606	9.70E-10	-0.0077606	0.0192763	0.687246	0.7417225	5	0.94651419
ENSG00000181315	6	ZNF322	26636518	rs868190	6	26665835	A	G	0.569583	-0.0066819	0.00810318	0.409599	-0.528737	0.072577	3.21E-13	0.0126374	0.0154234	0.4125767	0.00074777	17	0.8760777
ENSG00000124613	6	ZNF391	27342394	rs4455661	6	27373130	C	T	0.740557	-0.0095003	0.00832515	0.253804	0.545488	0.0723684	4.78E-14	-0.0174161	0.0154358	0.2591935	0.05388514	12	0.77251343

ENSG00000219392	6	RP1-265C24.5	28083406	rs112615652	6	28075911	A	G	0.197813	-0.0344652	0.01037	0.00088877	-0.766514	0.0948526	6.42E-16	0.0449636	0.0146283	0.00211391	0.01209021	20	0.24369595
ENSG00000216901	6	AL022393.7	28143966	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	1.04381	0.0895997	2.30E-31	-0.0208824	0.0086299	0.01552996	0.00033418	20	0.44186828
ENSG00000218016	6	ZNF192P2	28155828	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	-0.542831	0.0959668	1.55E-08	0.0401549	0.0177169	0.02342274	0.01028137	10	0.45306927
ENSG00000197062	6	RP5-874C20.3	28234788	rs2394049	6	28239681	G	A	0.403579	-0.0294714	0.00853373	0.00055333	-0.454049	0.0702057	9.97E-11	0.064908	0.0213065	0.00231604	0.6054706	20	0.24369595
ENSG00000235109	6	ZSCAN31	28292470	rs213238	6	28321993	C	T	0.363817	-0.0286459	0.0086988	0.00099092	0.748441	0.0963489	7.97E-15	-0.0382741	0.0126238	0.00243022	0.180418	20	0.24369595
ENSG00000214922	6	HLA-F-AS1	29694378	rs3131844	6	29650837	C	T	0.481113	0.00383135	0.00875776	0.661764	-0.585828	0.100814	6.21E-09	-0.0065401	0.0149917	0.6626582	0.2637426	10	0.93787835
ENSG00000176998	6	HCG4	29758816	rs1610703	6	29781613	A	T	0.311133	-0.0024632	0.00949206	0.79525	-0.83648	0.0971369	7.22E-18	0.00294471	0.0113528	0.7953403	0.5422639	20	0.95044568
ENSG00000230521	6	HCG4P7	29855071	rs2107198	6	29819662	A	G	0.114314	-0.0143633	0.0136409	0.29236	-0.962565	0.130287	1.49E-13	0.0149219	0.0143146	0.297215	0.09567399	20	0.80544615
ENSG00000206341	6	HLA-H	29855350	rs73725536	6	29915106	G	A	0.0984095	-0.0193785	0.0156029	0.214244	0.676869	0.124095	4.91E-08	-0.0286296	0.0236416	0.2259015	0.3039655	8	0.73598765
ENSG00000230795	6	HLA-K	29894236	rs2844805	6	29940679	A	G	0.281312	-0.0194893	0.00871342	0.0253064	-0.958672	0.102515	8.64E-21	0.0203295	0.00934542	0.02960447	0.5684128	20	0.48674683
ENSG00000235290	6	HLA-W	29924373	rs2256543	6	29937833	C	T	0.592445	0.0200797	0.00811442	0.0133395	-0.594113	0.103341	8.98E-09	-0.0337978	0.0148695	0.02302892	0.6444174	17	0.45306927
ENSG00000204623	6	ZNRD1-AS1	29968788	rs12663534	6	30047301	C	A	0.0377734	-0.0003568	0.0265357	0.989273	-0.90989	0.144303	2.87E-10	0.00039211	0.0291637	0.9892727	0.5167172	20	0.99593757
ENSG00000237669	6	HCG4P3	29973898	rs9260370	6	29917899	C	T	0.0815109	0.0135302	0.0155311	0.383664	-0.872404	0.149889	5.87E-09	-0.0155091	0.018001	0.3889238	0.9170018	20	0.86143514
ENSG00000204622	6	HLA-J	29974360	rs2734957	6	29850684	G	A	0.37674	0.0108888	0.00835266	0.192358	0.5189	0.0858893	1.53E-09	0.0209844	0.0164673	0.2025558	0.4492995	20	0.72037358
ENSG00000204618	6	RNF39	30038043	rs2074479	6	30041009	G	A	0.0954274	0.0179617	0.01797	0.317534	0.700825	0.119339	4.29E-09	0.0256294	0.02601	0.3244438	0.9349028	20	0.82362657
ENSG00000270604	6	HCG17	30201816	rs3130389	6	30188199	T	C	0.428429	-0.0069182	0.00813091	0.39485	-0.735691	0.0962166	2.07E-14	0.00940372	0.0111203	0.3977558	0.02346498	20	0.86619447
ENSG00000243753	6	HLA-L	30227361	rs261949	6	30270080	A	G	0.246521	-0.0126058	0.00925267	0.173071	-0.566608	0.0830973	9.19E-12	0.0222478	0.0166527	0.1815528	0.3728445	7	0.69422261
ENSG00000228022	6	HCG20	30734602	rs7740474	6	30760948	G	A	0.431412	0.00283087	0.0086631	0.743839	-0.75893	0.109561	4.30E-12	-0.0037301	0.0114276	0.7441139	0.0103797	6	0.94727701
ENSG00000137411	6	VARS2	30876019	rs2535335	6	30812497	G	A	0.383698	-0.0080778	0.00825283	0.327686	0.617711	0.0673997	4.96E-20	-0.0130769	0.0134363	0.3304286	0.01628851	20	0.83103105
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	0.93758	0.144435	8.51E-11	0.00312598	0.011891	0.7926377	0.9821853	20	0.95044568
ENSG00000272501	6	Xbac-BPG299F13.	31162977	rs1128175	6	31150435	G	A	0.762425	0.0009871	0.00878175	0.910504	-0.5608	0.0845065	3.22E-11	-0.0017602	0.0156616	0.9105164	0.03796729	20	0.97987891
ENSG00000204525	6	HLA-C	31236526	rs2524091	6	31240293	T	C	0.72664	0.0222535	0.00883891	0.0118133	-0.657733	0.0745714	1.14E-18	-0.0338336	0.0139752	0.01547887	0.5301078	20	0.44186828
ENSG00000272221	6	Xbac-BPG181B23.	31362066	rs7756426	6	31360694	A	G	0.295229	-0.006554	0.00871953	0.452264	-0.773218	0.0910297	1.99E-17	0.00847626	0.011321	0.4540258	0.02696416	20	0.87797516
ENSG00000204520	6	MICA	31371356	rs9295996	6	31390558	G	T	0.299205	-0.0110579	0.00850824	0.193714	-0.65614	0.0673111	1.88E-22	0.016853	0.0130819	0.1976522	0.04665587	20	0.71320307
ENSG00000204516	6	MICB	31462658	rs2894221	6	31461771	A	T	0.363817	-0.0062668	0.00843912	0.457729	0.554887	0.0821525	1.43E-11	-0.0112939	0.0153004	0.4604263	0.02380344	16	0.8836781
ENSG00000204463	6	BAG6	31606805	rs2844462	6	31651247	A	G	0.0477137	0.0166426	0.0270633	0.538587	1.28325	0.167296	1.71E-14	0.0129691	0.0211573	0.5398868	0.1040842	11	0.8990588
ENSG00000204428	6	LY6G5C	31644461	rs805290	6	31648403	T	C	0.296223	-0.0197443	0.00827973	0.017095	-0.7766	0.0946733	2.35E-16	0.025424	0.0111029	0.02202951	0.00840697	15	0.45306927
ENSG00000204351	6	SKIV2L	31926857	rs2734326	6	31943585	C	T	0.141153	0.0294523	0.0152044	0.0527351	0.769025	0.097233	2.59E-15	0.0382982	0.0203554	0.05990644	0.128058	15	0.5969465
ENSG00000244731	6	C4A	31949801	rs3132941	6	32131972	C	G	0.0765408	-0.0367067	0.0138725	0.00814479	-0.804133	0.138313	6.10E-09	0.0456475	0.0189542	0.01602641	0.03117716	20	0.44186828
ENSG00000204338	6	CYP21A1P	31973413	rs4711286	6	32071637	C	T	0.446322	0.0165491	0.00810065	0.0410592	0.683219	0.105182	8.27E-11	0.0242222	0.0124292	0.05131668	0.2641928	20	0.59174573
ENSG00000228962	6	HCG23	32358287	rs9267901	6	32203606	T	C	0.055666	-0.0019804	0.0208886	0.924469	-1.28916	0.217962	3.33E-09	0.00153617	0.0162053	0.9244784	0.4213429	20	0.9827564
ENSG00000198502	6	HLA-DRB5	32485120	rs9269235	6	32453558	G	T	0.857853	-0.017079	0.0111833	0.126717	-1.15361	0.111256	3.43E-25	0.0148048	0.00979876	0.1308169	0.08334822	20	0.65842282
ENSG00000229391	6	HLA-DRB6	32520490	rs34481656	6	32501664	G	A	0.333002	-0.0060107	0.00960472	0.53144	0.745132	0.0840814	7.86E-19	-0.0080667	0.0129221	0.5324592	0.9928129	20	0.89713237
ENSG00000196126	6	HLA-DRB1	32546546	rs28752492	6	32568138	A	G	0.353877	0.00833374	0.00884371	0.346021	-0.57314	0.0680675	3.76E-17	-0.0145405	0.0155266	0.3490215	0.05920103	20	0.8363037
ENSG00000179344	6	HLA-DQB1	32627244	rs1766	6	32627795	G	A	0.425447	-0.0199086	0.00815666	0.0146555	-0.934005	0.0955158	1.39E-22	0.0213153	0.00900093	0.01787861	0.5729871	20	0.45306927
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs9271346	6	32583468	T	C	0.835984	-0.0248839	0.0110493	0.0243164	-1.02131	0.148373	5.84E-12	0.0243647	0.0113831	0.03231997	0.474542	20	0.49768191
ENSG00000237541	6	HLA-DQA2	32709119	rs9272358	6	32604538	A	G	0.370775	-0.0062262	0.00858014	0.46805	0.894589	0.0998971	3.39E-19	-0.0069599	0.00962259	0.4695054	0.03029782	20	0.88426028
ENSG00000232629	6	HLA-DQB2	32723875	rs17211951	6	32637315	A	C	0.157058	0.0401449	0.0128265	0.00174896	1.19243	0.118081	5.61E-24	0.0336665	0.0112614	0.00279392	0.1792288	20	0.24369595
ENSG00000241106	6	HLA-DOB	32780540	rs2621326	6	32783896	A	G	0.440358	-0.0062316	0.00806924	0.43996	-0.753674	0.103725	3.70E-13	0.00826824	0.0107668	0.4425253	0.10208	20	0.8760777
ENSG00000204267	6	TAP2	32789610	rs4148876	6	32796793	A	G	0.0735586	0.0108122	0.0154544	0.484165	-1.01478	0.169671	2.22E-09	-0.0106547	0.0153332	0.4871296	0.01663346	3	0.88426028
ENSG00000204256	6	BRD2	32936437	rs57331574	6	32961191	C	T	0.0516899	-0.0246735	0.0157152	0.116406	0.851871	0.152823	2.49E-08	-0.0289639	0.0191657	0.1307275	0.5359092	3	0.65842282
ENSG00000224557	6	HLA-DPB2	33080228	rs3117025	6	33091032	C	T	0.215706	0.0124709	0.00968577	0.197905	1.07664	0.107796	1.73E-23	0.0115832	0.00907074	0.2016088	0.1063312	20	0.71930228
ENSG00000230313	6	HCG24	33112560	rs3129229	6	33112576	T	C	0.215706	0.0126306	0.00969015	0.192423	0.86468	0.11869	3.21E-13	0.0146073	0.0113846	0.1994666	0.1952873	16	0.71554109
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.578616	0.0706284	2.56E-16	-0.0171814	0.0309915	0.5793118	0.2863671	3	0.91214319
ENSG00000204188	6	GGNBP1	33551515	rs563751	6	33552769	G	A	0.23161	-0.022593	0.0109768	0.0395676	-0.602836	0.105576	1.13E-08	0.0374779	0.0193555	0.05283177	0.4196025	6	0.59174573
ENSG00000161904	6	LEMD2	33738979	rs2296744	6	33740382	A	G	0.499006	-0.019978	0.00805282	0.0131063	-0.385082	0.0620343	5.38E-10	0.0518799	0.0225202	0.02123917	0.3942231	3	0.45306927
ENSG00000196821	6	C6orf106	34555065	rs112563428	6	34800435	T	C	0.101392	-0.0229541	0.0102111	0.0245788	0.426888	0.0743142	9.23E-09	-0.0537708	0.0256862	0.03631591	0.07528634	10	0.50611661
ENSG00000124562	6	SNRPC	34725183	rs9296131	6	34776361	T	C	0.336978	-0.0088029	0.00857177	0.304439	-0.35754	0.06525	4.26E-08	0.0246207	0.0243917	0.3127895	0.00815267	5	0.81378166
ENSG00000065060	6	UHRF1BP1	34759857	rs2395604	6	34787976	C	A	0.336978	-0.0088176	0.00857147	0.303613	0.445071	0.0792229	1.93E-08	-0.0198117	0.0195789	0.3115904	0.01683558	4	0.81378166
ENSG00000196748	6	CLPSL2	35744371	rs2766577	6	35743233	A	T	0.285288	-0.0019368	0.00881401	0.826075	0.646564	0.112157	8.18E-09	-0.0029955	0.013642	0.8261988	0.2459433	3	0.95662572
ENSG00000204140	6	CLPSL1	35748794	rs2817064	6	35741963	A	G	0.657058	0.00253174	0.00828242	0.75985	0.56804	0.0995205	1.14E-08	0.00445697	0.0146016	0.7601842	0.551044	7	0.94873228
ENSG00000112053	6	SLC26A8	35911291	rs2395649	6	35977862	C	T	0.399602	-0.015582	0.00818613	0.056981	-0.30264	0.0474475	1.79E-10	0.0514869	0.0282278	0.06815548	0.4743404	5	0.61480595
ENSG00000156711	6	MAPK13	36095586	rs12210946	6	36098130	A	G	0.304175	0.017324	0.00984722	0.0785308	0.329827	0.0434196	3.05E-14	0.0525245	0.0306459	0.08654458	0.8550523	6	0.64379887
ENSG00000246982	6	RP1-179N16.6	36114475	rs2859135	6	36114703	T	C	0.637177	-0.0149821	0.00919647	0.103288	-0.583045	0.0823546	1.44E-12	0.0256963	0.0161854	0.1123716	0.4306857	10	0.64481993
ENSG00000161912	6	ADCY10P1	41068761	rs72856298	6	41113920	C	T	0.132207	0.00932996	0.0136154	0.493187	0.938995	0.105849	7.25E-19	0.00993611	0.0145432	0.4944709	0.8360455	13	0.88426028
ENSG00000112599	6	GUCA1B	42152139	rs13197564	6	42184400	T	C	0.637177	0.00399486	0.00886038	0.652085	0.740081	0.0843081	1.66E-18	0.00539787	0.011988	0.6525127	0.06370247	13	0.93515218
ENSG00000112619	6	PRPH2	42664340	rs3818087	6	42672407	C	T	0.256461	-0.0124102	0.00938345	0.18598	0.838451	0.0709592	3.23E-32	-0.0148013	0.0112613	0.1887268	0.1494884	20	0.70631233
ENSG00000124713	6	GNMT	42928496	rs2296804	6	42931261	G	C	0.588469	0.00247486	0.00811008	0.760246	-1.14321	0.0963605	1.82E-32	-0.0021648	0.00709648	0.7603223	0.6818482	20	0.94873228
ENSG00000124587	6	PEX6	42931608	rs6907751	6	42944850	T	C	0.485089	-0.0004819	0.00824119	0.953368	0.712199	0.0607705	1.01E-31	-0.0006767	0.0115716	0.9533682	0.9459239	18	0.99296872
ENSG00000196284	6	SUPT3H	44777054	rs10456547	6	45219526	C	T	0.315109	0.0009159	0.00876676	0.916793	0.646579	0.105162	7.83E-10	0.00141653	0.0135606	0.9168051	0.1074706	14	0.97987891
ENSG00000231769	6	RP1-8B1.4	46064830	rs1048077	6	46112389	G	A	0.680915	0.0283283	0.0090896	0.00182974	-0.64724	0.0885586	2.70E-13	-0.0437678	0.0152672	0.00414649	0.6669553	7	0.28633186
ENSG00000112796	6	ENPP5	46126924	rs7769738	6	46110726	G	A	0.534791	0.0198462	0.00806459	0.0138586	-0.356623	0.0555723	1.39E-10	-0.0556504	0.0242195	0.02157613	0.2732741	10	0.45306927
ENSG00000153291	6	SLC25A27	46620678	rs1805017	6	46684222	T	C	0.255467	0.0242782	0.00911139	0.00770797	0.693499	0.0602987	1.30E-30	0.0350083	0.0134863	0.00943597	0.8951779	20	0.3871142
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.738026	0.0873466	2.93E-17	-0.0319197	0.0126681	0.01174547	0.3957685	10	0.44186828
ENSG00000031691	6	CENPQ	49431091	rs2448701	6	49459282	G	A	0.686879	-9.77E-05	0.00846189	0.990783	0.443915	0.0604316	2.05E-13	-0.0002202	0.019062	0.9907834	0.5040004	20	0.99593757
ENSG00000112118	6	MCM3	52128807	rs72925235	6	52361027	A	G	0.0407555	0.0137089	0.0271356	0.613419	1.11635	0.164727	1.23E-11	0.0122801	0.0243749	0.6144006	0.682828	4	0.92780325
ENSG00000137269	6	LRRC1	53659295	rs9370240	6	53753255	A	C	0.362823	0.0217577	0.00919205	0.0179325	0.246898	0.044033	2.06E-08	0.0881242	0.0404115	0.02920781	0.3220609	4	0.48674683
ENSG00000151917	6	BEND6	56819773	rs12154043	6	56820163	A	G	0.754473	-0.0011594	0.00868208	0.893764	0.427705	0.0512115	6.73E-17	-0.0027108	0.0203018	0.8937775	0.5421126	14	0.97987891
ENSG00000272541	6	bac-BPGBPG55C2	58182169	rs6915273	6	58283185	T	C	0.373757	-0.0078325	0.00860069	0.362463	-0.521694	0.0767195	1.05E-11	0.0150136	0.0166333	0.366726	0.5069611	7	0.84538623
ENSG00000272316	6	bac-BPGBPG55C2	58234838	rs1022475	6	58316723	T	G	0.683897	0.00107835	0.00872892	0.901681	0.604244	0.0768819	3.86E-15	0.00178463	0.0144478	0.9016935	0.5224795	14	0.97987891
ENSG00000215190	6	LINC00680	58272352	rs62414284	6	58173939	T	C	0.261431	-0.0018132	0.00953302	0.849149	-0.859189	0.0912485	4.69E-21	0.00211039	0.0110976	0.8491796	0.3577797	20	0.96559734
ENSG00000271967	6	RP11-134K13.4	71306141	rs34873840	6	71225724	C	G	0.37674	-0.0092148	0.00816655	0.259171	-0.544164	0.0938438	6.69E-09	0.0169338	0.015289	0.2680435	0.5561439	8	0.77373906
ENSG00000256980	6	KHDC1L	73933267	rs6453651	6	73899647	G	A	0.22664	-0.0038303	0.00941636	0.684176	0.616949	0.110947	2.69E-08	-0.0062085	0.0153036	0.684972	0.9986286	13	0.94651419
ENSG00000234882	6	EIF3EP1	74001685	rs10943089	6	74003023	T	A	0.100398	-0.0039799	0.0115246	0.729839	0.60816	0.101587	2.14E-09	-0.0065442	0.0189814	0.73027	0.7307394	5	0.94727701
ENSG00000146243	6	IRAK1BP1	79577189	rs2174742	6	79610101	T	G	0.479125	0.0236815	0.00807926	0.00337715	0.484478	0.0876747	3.28E-08	0.0488804	0.0188771	0.00961409	0.6046187	6	0.3871142
ENSG00000203875	6	SNHG5	86370710	rs4431401	6	86189520	C	T	0.580517	0.0267405	0.00805885	0.00090617	0.577254	0.0496103	2.71E-31	0.0463236	0.0145172	0.00141809	0.09501506	16	0.2331573
ENSG00000111850	6	SMIM8	88032301	rs6925890	6	88001571	C	T	0.0944334	0.00625162	0.012853	0.626687	0.618394	0.107472	8.72E-09	0.0101094	0.0208586	0.6279138	0.7390728	5	0.92830685
ENSG00000272514	6	C6ORF165	88117701	rs9353484	6	88104281	T	A	0.704771	-0.0147759	0.00902644	0.10164	-0.578394	0.083234	3.68E-12	0.0255464	0.0160332	0.1110827	0.6729505	9	0.64481993
ENSG00000083099	6	LYRM2	90277863	rs4343895	6	90378930	T	C	0.629225	0.0101334	0.00830265	0.222274	-0.459857	0.0688264	2.37E-11	-0.022036	0.0183536	0.2298931	0.8886667	17	0.73598765
ENSG00000123545	6	NDUFAF4	97337189	rs12202527	6	97354319	A	G	0.132207	0.0113579	0.0122035	0.352006	0.278856	0.0503639	3.08E-08	0.0407303	0.0443767	0.358707	0.2688949	3	0.8429066
ENSG00000228506	6	RP11-98I9.4	99872798	rs9402794	6	99892524	A	G	0.491054	-0.0012536	0.00809135	0.876874	0.875473	0.096245	9.35E-20	-0.0014319	0.0092436	0.8768916	0.3970911	20	0.97812135
ENSG00000219755	6	RP1-199J3.5	100023588	rs330831	6	100047669	C	T	0.806163	0.0101951	0.00881455	0.247427	0.952984	0.122274	6.50E-15	0.0106981	0.00935072	0.2525854	0.9761866	20	0.76442105
ENSG00000130348	6	QRSL1	107077453	rs3101493	6	107115394	G	A	0.382704	-0.0040115	0.00820452	0.624883	-0.826912	0.0792572	1.75E-25	0.00485121	0.00993277	0.6252636	0.5420121	20	0.92817169
ENSG00000229654	6	RP1-60O19.2	107143410	rs2015205	6	107113715	A	G	0.464215	-0.0079005	0.00804955	0.326353	0.693259	0.106528	7.63E-11	-0.0113962	0.0117425	0.331791	0.5566552	18	0.83103105
ENSG00000155085	6	AK9	109814059	rs1476388	6	109839986	G	A	0.409543	-0.0149274	0.00816148	0.0673985	-0.521794	0.065566	1.74E-15	0.0286078	0.016049	0.0746618	0.8081026	20	0.61480595
ENSG00000255389	6	C6orf3	111921078	rs9481169	6	111929862	T	G	0.105368	-0.0270014	0.0150236	0.0722936	-1.12259	0.135432	1.14E-16	0.0240528	0.013694	0.07901137	0.437845	19	0.62558233
ENSG00000188820	6	FAM26F	116782533	rs117361304	6	116783619	G	T	0.0914513	0.0182928	0.012437	0.141336	-0.984438	0.152806	1.18E-10	-0.018582	0.0129587	0.1515892	0.9612055	6	0.67014512
ENSG00000237742	6	RP11-624M8.1	125899704	rs3757217	6	126069636	C	G	0.5	-0.0045465	0.00805708	0.57256	-0.665277	0.0754792	1.21E-18	0.00683398	0.0121357	0.5733449	0.1895819	20	0.91214319
ENSG00000203756	6	TMEM244	130152389	rs6918416	6	130142623	A	G	0.45825	0.00219944	0.00817801	0.787971	0.569956	0.0910131	3.79E-10	0.00385896	0.0143617	0.7881621	0.7676306	10	0.95044568
ENSG00000231023	6	LINC00326	133409219	rs271154	6	133273183	C	T	0.428429	0.00596312	0.0080988	0.46155	-0.604435	0.0981489	7.35E-10	-0.0098656	0.0134944	0.4647242	0.2939626	11	0.88426028
ENSG00000118514	6	ALDH8A1	135238528	rs4142299	6	135377186	T	G	0.489066	0.00141275	0.00813824	0.862184	-0.625369	0.0761844	2.24E-16	-0.0022591	0.0130164	0.862215	0.421984	20	0.97305269
ENSG00000112339	6	HBS1L	135281516	rs4896131	6	135392100	A	C	0.489066	0.0009953	0.00816137	0.902937	-0.285999	0.0467303	9.35E-10	-0.0034801	0.028542	0.9029562	0.4004015	17	0.97987891
ENSG00000232876	6	CTA-212D2.2	135376171	rs41294852	6	135376379	G	T	0.488072	0.00136494	0.00813803	0.866801	-0.869153	0.104008	6.46E-17	-0.0015704	0.00936506	0.8668273	0.4821043	20	0.97450157
ENSG00000135541	6	AHI1	135604670	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.396734	0.0537074	1.50E-13	-0.0112293	0.0263972	0.6705471	0.6291655	6	0.94200099
ENSG00000234084	6	RP3-388E23.2	135622706	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.65511	0.0829511	2.84E-15	-0.0068005	0.0159828	0.6704827	0.4251438	4	0.94200099
ENSG00000225177	6	RP11-390P2.4	139013685	rs1129180	6	139018132	G	A	0.22167	-0.0077603	0.0102507	0.449023	0.538126	0.0608154	8.87E-19	-0.0144209	0.0191185	0.4506732	0.859354	20	0.87797516
ENSG00000189007	6	ADAT2	143743969	rs9373391	6	143766276	G	A	0.536779	0.00690772	0.00821249	0.400278	0.412051	0.0669454	7.51E-10	0.0167642	0.020116	0.4046316	0.200261	5	0.86982438
ENSG00000270638	6	RP3-466P17.1	146056706	rs6570699	6	145920732	A	G	0.485089	0.0125683	0.00806614	0.119195	0.494624	0.0852236	6.48E-09	0.0254098	0.0168851	0.1323584	0.3072182	12	0.66112183
ENSG00000235652	6	RP11-545I5.3	146136048	rs367693	6	145815949	A	G	0.322068	0.00030484	0.0083379	0.970835	0.602202	0.0697137	5.71E-18	0.00050621	0.0138458	0.9708354	0.3651535	12	0.99504324
ENSG00000111962	6	UST	149068464	rs10499258	6	149242165	A	G	0.206759	-0.0008979	0.0110482	0.935223	0.713848	0.104017	6.75E-12	-0.0012579	0.015478	0.9352275	0.2699523	3	0.99029499
ENSG00000203722	6	RAET1G	150238014	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	0.859901	0.105568	3.78E-16	0.00771988	0.00954219	0.4185006	0.3041625	14	0.8760777
ENSG00000112031	6	MTRF1L	153308497	rs7752197	6	153326846	T	C	0.696819	0.0293157	0.00901911	0.00115244	-0.670929	0.0842295	1.65E-15	-0.0436942	0.0145188	0.00261693	0.01844976	10	0.24369595
ENSG00000235381	6	RP11-477D19.2	155574273	rs13220615	6	155587709	G	T	0.572565	0.00981079	0.00811047	0.226415	-0.514062	0.0752677	8.50E-12	-0.0190848	0.0160228	0.2336115	0.9277229	13	0.73983225
ENSG00000146453	6	PNLDC1	160221298	rs11757681	6	160211728	G	T	0.513917	0.00047899	0.00812686	0.953	-0.590738	0.0862004	7.23E-12	-0.0008108	0.0137576	0.9530022	0.7330645	7	0.99296872
ENSG00000235994	6	RP3-470B24.5	168376604	rs225755	6	168420221	G	C	0.522863	-0.0048362	0.00847723	0.568346	0.586146	0.100323	5.14E-09	-0.0082508	0.0145314	0.570179	0.8610198	3	0.91214319
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.747303	0.096377	8.91E-15	-0.0097068	0.0112298	0.38738	0.1002682	20	0.86143514
ENSG00000184465	6	WDR27	169857307	rs4716386	6	170133863	G	A	0.383698	0.00487478	0.00849402	0.566031	-0.455596	0.0810009	1.86E-08	-0.0106998	0.0187406	0.5680384	0.4755488	15	0.91214319
ENSG00000236173	6	RP1-182D15.2	170209414	rs10455751	6	170246609	T	C	0.0616302	-0.0189144	0.0193529	0.328401	-1.27377	0.212558	2.07E-09	0.0148491	0.0153941	0.3347465	0.9746542	5	0.83103105
ENSG00000273100	6	RP11-302L19.3	170493905	rs3104177	6	170483089	C	T	0.412525	0.00993898	0.00808982	0.21923	0.441965	0.0746981	3.28E-09	0.0224882	0.0186947	0.2290076	0.3618236	8	0.73598765
ENSG00000261003	6	RP1-140C12.2	170723227	rs1022614	6	170683419	C	A	0.907555	0.0175985	0.0164013	0.283274	-0.91697	0.134393	8.91E-12	-0.019192	0.0181062	0.2891594	0.4443441	12	0.79458426
ENSG00000071994	6	PDCD2	170884383	rs7762119	6	170919735	C	T	0.423459	0.0100507	0.0080762	0.213319	0.361132	0.0627497	8.66E-09	0.0278311	0.0228805	0.2238439	0.7201175	9	0.73598765
ENSG00000240859	7	AC093627.10	149597	rs76029673	7	161970	A	G	0.0367793	-0.0331414	0.0198264	0.0946063	-1.6975	0.295252	8.96E-09	0.0195237	0.0121634	0.1084688	0.778673	4	0.64481993
ENSG00000223855	7	AC147651.3	560028	rs9801322	7	564240	G	A	0.175944	0.00829487	0.0105012	0.429588	1.23847	0.106829	4.47E-31	0.00669768	0.00849883	0.4306557	0.3051965	19	0.8760777
ENSG00000146540	7	C7orf50	1036622	rs11977	7	1036944	C	G	0.0765408	-0.0181547	0.0156612	0.246368	0.659872	0.081544	5.86E-16	-0.0275125	0.023976	0.2511746	0.7343311	10	0.76358626
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.22271	0.086849	5.14E-45	-0.0058748	0.0068805	0.3932011	0.9071701	20	0.86188326
ENSG00000164880	7	INTS1	1509913	rs67490389	7	1547058	T	C	0.441352	0.00553793	0.00807334	0.492744	-0.516327	0.0606513	1.69E-17	-0.0107256	0.0156868	0.4941414	0.6166989	20	0.88426028
ENSG00000230487	7	PSMG3-AS1	1609709	rs4725240	7	1628183	C	T	0.402584	0.0013212	0.0083082	0.87365	-0.469218	0.0685083	7.43E-12	-0.0028158	0.0177113	0.873684	0.960299	13	0.97719871
ENSG00000122687	7	FTSJ2	2273866	rs34418140	7	2278183	T	C	0.341948	-0.0029028	0.00878111	0.740969	0.492246	0.0775746	2.22E-10	-0.005897	0.0178631	0.7413068	0.1676054	8	0.94727701
ENSG00000157927	7	RADIL	4836686	rs7779393	7	4811174	A	G	0.0248509	0.0005942	0.0371653	0.987244	0.931848	0.169435	3.80E-08	0.00063765	0.0398836	0.9872441	0.6451297	4	0.99593757
ENSG00000196204	7	RNF216P1	5013619	rs113612946	7	5027080	C	G	0.109344	-0.0276285	0.015502	0.0747085	-0.913906	0.134515	1.09E-11	0.0302312	0.0175363	0.08472131	0.03929086	9	0.64379887
ENSG00000159904	7	ZNF890P	5160870	rs10251444	7	5881731	C	G	0.414513	-0.0042093	0.00810242	0.603405	0.383506	0.061884	5.75E-10	-0.0109758	0.0212013	0.6046707	0.8833197	13	0.92769463
ENSG00000122674	7	CCZ1	5938356	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	0.914326	0.116044	3.30E-15	-0.0060979	0.00903678	0.4998098	0.6983518	10	0.88426028
ENSG00000122512	7	PMS2	6012870	rs1062372	7	6048973	A	C	0.194831	-0.005967	0.00911671	0.512786	-0.306054	0.0544443	1.89E-08	0.0194964	0.0299891	0.5156178	0.09575701	7	0.88902293
ENSG00000136238	7	RAC1	6414154	rs9648593	7	6399537	A	G	0.368787	-0.0008194	0.00814067	0.919823	0.358943	0.06222	7.98E-09	-0.0022829	0.022683	0.9198351	0.4015689	9	0.98087349
ENSG00000187953	7	PMS2CL	6749759	rs2079819	7	6060908	G	A	0.840954	-0.008371	0.0106313	0.431054	0.989569	0.142029	3.23E-12	-0.0084592	0.0108118	0.4339744	0.00166053	11	0.8760777
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.846091	0.108783	7.38E-15	0.00658971	0.00976652	0.499851	0.7867544	9	0.88426028
ENSG00000106392	7	C1GALT1	7196565	rs2108788	7	7258901	C	T	0.11829	0.0126373	0.0102823	0.219058	0.919188	0.115441	1.69E-15	0.0137483	0.0113188	0.2244997	0.6019386	20	0.73598765
ENSG00000230825	7	AC005532.5	7294785	rs1796121	7	7317605	G	C	0.387674	-0.0023471	0.00806489	0.771031	-0.673955	0.103197	6.54E-11	0.00348256	0.0119784	0.7712524	0.5890028	15	0.94953271
ENSG00000215018	7	COL28A1	7395834	rs3823842	7	7604913	G	A	0.700795	0.0158964	0.00868545	0.0672156	0.472434	0.073998	1.72E-10	0.0336479	0.019125	0.07851514	0.9094175	11	0.62558233
ENSG00000272894	7	RP5-1159O4.1	7592093	rs73674582	7	7605391	T	C	0.254473	-0.0185873	0.00881886	0.035059	0.485342	0.0746787	8.08E-11	-0.0382973	0.019102	0.04497573	0.06480095	19	0.54778676
ENSG00000244239	7	AC007009.1	8301863	rs9472	7	8302284	A	G	0.560636	-0.0022881	0.00805941	0.776485	0.521494	0.088623	3.99E-09	-0.0043876	0.0154724	0.7767385	0.6442577	6	0.94953271
ENSG00000146530	7	VWDE	12370511	rs6945190	7	12357020	G	A	0.514911	-0.0008969	0.00804674	0.911253	-0.718051	0.0888077	6.19E-16	0.00124904	0.0112074	0.9112614	0.9610999	20	0.97987891
ENSG00000237773	7	AC003075.4	17319458	rs138250592	7	17301557	T	G	0.0149105	-0.0727337	0.0391145	0.062955	2.06692	0.292676	1.64E-12	-0.0351894	0.0195691	0.07214269	0.01562343	9	0.61480595
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-0.978144	0.139592	2.43E-12	0.0335588	0.0198684	0.09120923	0.00412082	6	0.64379887
ENSG00000196683	7	TOMM7	22852251	rs10276099	7	22862950	A	G	0.331014	-0.0024448	0.00824412	0.766814	-0.380421	0.0555036	7.18E-12	0.00642643	0.0216913	0.7670258	0.936054	8	0.94953271
ENSG00000230658	7	KLHL7-AS1	23140847	rs6978827	7	23125544	T	A	0.346918	-0.0024125	0.00867972	0.781057	1.06179	0.0846227	4.11E-36	-0.0022721	0.00817662	0.78111	0.1498844	20	0.94953271
ENSG00000136243	7	NUPL2	23221446	rs6964665	7	23211352	A	G	0.335984	0.00301394	0.00888771	0.734526	-0.620558	0.0792607	4.90E-15	-0.0048568	0.0143356	0.7347637	0.2071028	20	0.94727701
ENSG00000136235	7	GPNMB	23275586	rs199357	7	23288309	A	G	0.375746	0.00319838	0.00829287	0.699734	-0.767786	0.0756387	3.29E-24	-0.0041657	0.0108088	0.6999409	0.4899763	20	0.94727701
ENSG00000105928	7	DFNA5	24737972	rs1001821	7	24796541	G	C	0.146123	0.0275722	0.0100285	0.00597063	0.88884	0.119217	8.94E-14	0.0310204	0.0120254	0.00989211	0.3400067	20	0.3903425
ENSG00000233760	7	AC004947.2	26591441	rs11983370	7	26619480	T	C	0.384692	0.0136452	0.00892261	0.126194	0.650804	0.11823	3.70E-08	0.0209667	0.0142294	0.1406229	0.8558981	7	0.66434762
ENSG00000234336	7	JAZF1-AS1	28219941	rs10281102	7	28243473	G	A	0.0904573	-0.0233952	0.0152263	0.124415	-0.754917	0.0881077	1.05E-17	0.0309904	0.0204912	0.1304387	0.4216922	10	0.65842282
ENSG00000228421	7	AC005013.5	28997283	rs149983036	7	29038802	C	T	0.084493	0.00452689	0.0170212	0.790273	1.00598	0.176475	1.20E-08	0.00449998	0.0169384	0.7904957	0.9652452	6	0.95044568
ENSG00000272568	7	CTB-113D17.1	29019583	rs74646134	7	29039409	G	A	0.084493	0.00468343	0.0170198	0.783183	1.03929	0.139635	9.85E-14	0.00450637	0.0163876	0.7833258	0.963108	6	0.94953271
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-1.13462	0.0854077	2.84E-40	-0.0003004	0.00786309	0.9695212	0.2587483	20	0.99493047
ENSG00000244480	7	AC005154.7	30562759	rs1986756	7	30651938	A	G	0.763419	0.00018292	0.00895136	0.983697	-0.674149	0.110601	1.09E-09	-0.0002713	0.0132781	0.9836966	0.3758074	11	0.99593757
ENSG00000226468	7	AC018641.7	32496575	rs10272475	7	32481484	C	T	0.158052	-0.0190914	0.0118494	0.107142	0.755153	0.121911	5.86E-10	-0.0252815	0.0162135	0.1189286	0.5243279	15	0.65842282
ENSG00000229358	7	DPY19L1P1	32620561	rs7777552	7	32690094	C	G	0.0765408	0.00683086	0.0134581	0.611758	-0.941348	0.163593	8.70E-09	-0.0072565	0.0143521	0.6131362	0.8756475	9	0.92780325
ENSG00000205763	7	RP9P	32956427	rs2893441	7	32961379	A	C	0.185885	-0.0050358	0.00977905	0.606585	-0.413224	0.0710946	6.16E-09	0.0121865	0.0237579	0.6079907	0.6467993	6	0.92780325
ENSG00000164610	7	RP9	33134409	rs4723227	7	33003783	T	C	0.224652	-0.0054116	0.00936408	0.563322	0.650412	0.0946435	6.32E-12	-0.0083203	0.014448	0.5646963	0.8339744	12	0.91214319
ENSG00000271122	7	RP11-379H18.1	35734824	rs2392378	7	35704949	C	T	0.543738	-0.002612	0.00805835	0.745834	0.547311	0.0803669	9.75E-12	-0.0047725	0.0147402	0.7461108	0.6959829	5	0.94727701
ENSG00000227191	7	TRGC2	38279181	rs2109364	7	38280817	A	G	0.454274	0.00311533	0.00806894	0.699431	-0.815068	0.0836059	1.86E-22	-0.0038222	0.00990747	0.6996546	0.2949474	19	0.94727701
ENSG00000211688	7	TRGJP2	38295938	rs28609731	7	38317029	G	C	0.463221	0.00302546	0.00806611	0.707599	-0.581953	0.0927514	3.51E-10	-0.0051988	0.0138852	0.708096	0.5249073	9	0.94727701

ENSG00000211689	7	TRGC1	38297480	rs7791112	7	38326943	G	A	0.457256	-6.68E-05	0.00808486	0.993405	-0.580219	0.0984054	3.72E-09	0.00011518	0.0139342	0.993405	0.4430502	3	0.99694205
ENSG00000261019	7	RP11-111K18.2	42940871	rs774089	7	42954083	A	G	0.872763	-0.0083702	0.0162322	0.606098	0.809929	0.133341	1.25E-09	-0.0103344	0.0201136	0.607389	0.3934053	8	0.92780325
ENSG00000241057	7	AC004985.12	44001189	rs4295567	7	44061131	A	G	0.258449	0.0133563	0.00880472	0.12928	0.646003	0.0965365	2.20E-11	0.0206753	0.0139753	0.1390301	0.2685551	6	0.66434762
ENSG00000239556	7	AC004951.5	44024593	rs6463216	7	44102940	A	G	0.232604	0.00788216	0.00869876	0.36487	0.576384	0.102911	2.13E-08	0.0136752	0.0152882	0.3710577	0.2204242	3	0.84538623
ENSG00000122678	7	POLM	44111846	rs141574506	7	44093517	C	T	0.0934394	0.00903592	0.0128378	0.481524	0.595547	0.0979281	1.19E-09	0.0151725	0.0217002	0.4844362	0.377286	4	0.88426028
ENSG00000106624	7	AEBP1	44143960	rs2239614	7	44143124	T	C	0.673956	-0.0024412	0.00868222	0.778574	-0.47831	0.0758125	2.81E-10	0.00510389	0.0181699	0.7787885	0.03050484	3	0.94953271
ENSG00000106628	7	POLD2	44154286	rs137888771	7	44182127	A	T	0.0119284	0.0571982	0.0519478	0.270866	-1.25487	0.165643	3.57E-14	-0.045581	0.0418319	0.2758796	0.8087566	7	0.77954811
ENSG00000272556	7	RP11-638I8.1	45854201	rs3735666	7	45761952	C	A	0.17992	0.0167727	0.0118955	0.15854	-0.451511	0.0782312	7.86E-09	-0.0371479	0.0271208	0.1707742	0.02034492	11	0.67907961
ENSG00000132436	7	FIGNL1	50511831	rs12719056	7	50510076	C	T	0.553678	0.0117065	0.00806703	0.146739	0.530438	0.0581906	7.83E-20	0.0220695	0.0153998	0.1518271	0.08555461	20	0.67014512
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.13022	0.0826548	1.45E-42	0.01157	0.00823527	0.1600428	0.6138833	20	0.67326138
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.690716	0.0888159	7.43E-15	0.0189319	0.0136233	0.1646291	0.538056	12	0.67326138
ENSG00000129103	7	SUMF2	56131695	rs13244654	7	56146956	C	T	0.524851	0.00159887	0.00820036	0.845412	0.543484	0.0763022	1.06E-12	0.00294189	0.0150942	0.8454692	0.8722143	20	0.96559734
ENSG00000185290	7	NUPR1L	56182374	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.93672	0.109516	1.20E-17	0.01396	0.0100177	0.1634594	0.7652849	20	0.67326138
ENSG00000173041	7	ZNF680	63980262	rs6962076	7	64019592	A	G	0.321074	0.00755336	0.00838848	0.367884	-0.347975	0.0590104	3.71E-09	-0.0217066	0.024386	0.3733979	0.3941485	20	0.84582555
ENSG00000196247	7	ZNF107	64126511	rs10949935	7	64189061	C	T	0.835984	-0.0036225	0.0103213	0.725611	-0.4025	0.0729987	3.51E-08	0.0089999	0.0256949	0.7261432	0.6446181	7	0.94727701
ENSG00000197008	7	ZNF138	64254766	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	0.496459	0.071164	3.03E-12	-0.0266062	0.0167195	0.111535	0.9140724	20	0.64481993
ENSG00000213640	7	RP11-797H7.3	64323377	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	-0.860136	0.0781026	3.31E-28	0.0153568	0.00949875	0.1059401	0.8505101	20	0.64481993
ENSG00000152926	7	ZNF117	64432154	rs13235214	7	64516150	T	C	0.482107	-0.0025036	0.00808054	0.756687	0.375253	0.0617411	1.22E-09	-0.0066719	0.0215615	0.7569924	0.7739144	13	0.94873228
ENSG00000213462	7	ERV3-1	64451187	rs13229762	7	64484439	A	G	0.562624	0.00517661	0.00814619	0.525125	-0.800288	0.0726068	2.99E-28	-0.0064684	0.010196	0.525813	0.9904276	20	0.8908562
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-1.00647	0.0818227	8.99E-35	-0.0052067	0.00810505	0.520609	0.917755	20	0.88902293
ENSG00000226002	7	RP11-460N20.5	64544481	rs71562965	7	64572483	G	A	0.397614	-0.0037421	0.00831514	0.652687	0.969615	0.0963426	7.95E-24	-0.0038594	0.00858428	0.6530112	0.3945628	20	0.93515218
ENSG00000164669	7	INTS4L1	64601603	rs6954158	7	64790669	A	G	0.385686	-0.0025199	0.00841892	0.764698	-0.584768	0.0713917	2.59E-16	0.00430926	0.0144066	0.764851	0.1345333	20	0.94953271
ENSG00000241258	7	CRCP	65579591	rs12667122	7	66230529	T	C	0.351889	-0.0167569	0.0088698	0.058864	-0.467492	0.0844201	3.06E-08	0.0358442	0.0200469	0.07377268	0.584261	8	0.61480595
ENSG00000237310	7	GS1-124K5.4	65958693	rs73376394	7	65637681	T	C	0.259443	-0.012815	0.00944145	0.174683	0.632057	0.083578	3.95E-14	-0.0202751	0.0151763	0.1815605	0.4503242	13	0.69422261
ENSG00000226824	7	RP4-756H11.3	66119525	rs3778909	7	66255646	C	G	0.54175	-0.0150754	0.00826534	0.0681632	-1.11811	0.0792372	3.25E-45	0.0134829	0.00745374	0.07046939	0.7891433	20	0.61480595
ENSG00000273142	7	RP11-458F8.4	66367844	rs4717328	7	66352665	C	T	0.282306	-0.0059587	0.00836343	0.47617	-0.430058	0.0621843	4.65E-12	0.0138557	0.0195501	0.4784954	0.00973252	7	0.88426028
ENSG00000198874	7	TYW1	66460160	rs10228812	7	66561114	T	C	0.218688	-0.0171801	0.0109846	0.117815	0.767106	0.117064	5.64E-11	-0.022396	0.0147218	0.1281881	0.4468727	14	0.65842282
ENSG00000106610	7	STAG3L4	66767608	rs17137359	7	66783821	T	C	0.39165	0.00270255	0.00891507	0.761781	-0.772773	0.069006	4.14E-29	-0.0034972	0.0115407	0.7618647	0.2087925	20	0.94873228
ENSG00000196313	7	POM121	72349936	rs11760353	7	72408286	T	G	0.535785	0.00775158	0.00811318	0.339359	-0.28435	0.0417989	1.03E-11	-0.0272607	0.0288124	0.3440748	0.7005787	3	0.8363037
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.727803	0.111963	8.01E-11	-0.0123472	0.0122129	0.31202	0.4180712	16	0.81378166
ENSG00000106638	7	TBL2	72983262	rs190736168	7	73006683	T	C	0.0437376	0.0167943	0.0220039	0.44532	0.979758	0.168267	5.79E-09	0.0171413	0.0226506	0.4491888	0.4175956	3	0.87660683
ENSG00000165171	7	WBSCR27	73248920	rs10225983	7	73258750	A	G	0.725646	0.00539923	0.00869587	0.534668	-1.04515	0.096064	1.44E-27	-0.005166	0.00833375	0.535332	0.3040049	19	0.89853289
ENSG00000196275	7	GTF2IRD2	74210483	rs810366	7	74140925	G	C	0.806163	-0.0368269	0.0104766	0.0004395	-0.776736	0.0826372	5.49E-21	0.0474124	0.0144003	0.00099319	0.3929056	20	0.23243814
ENSG00000123965	7	PMS2P5	74306894	rs2529275	7	74294925	C	T	0.798211	-0.0232974	0.0104219	0.0253898	-1.0151	0.10534	5.61E-22	0.0229508	0.0105395	0.02943558	0.03881654	17	0.48674683
ENSG00000184616	7	AC004166.6	74320406	rs587659729	7	74337546	A	G	0.0238569	0.024132	0.0205982	0.241374	-1.16475	0.165478	1.94E-12	-0.0207186	0.0179279	0.2478204	0.8341005	5	0.75847259
ENSG00000127957	7	PMS2P3	75132254	rs62477719	7	75123237	A	G	0.442346	-0.0140514	0.00805365	0.0810308	0.699279	0.102798	1.03E-11	-0.0200941	0.0118899	0.09102387	0.05709154	8	0.64379887
ENSG00000127952	7	STYXL1	75625656	rs41301427	7	75614557	A	G	0.102386	0.0127895	0.0180336	0.478197	0.850225	0.15265	2.55E-08	0.0150425	0.0213816	0.4817295	0.2365755	6	0.88426028
ENSG00000188372	7	ZP3	76026835	rs2527935	7	76254810	T	C	0.298211	-0.0095262	0.00953525	0.31777	1.05672	0.120689	2.03E-18	-0.0090149	0.00908199	0.3208999	0.7415157	20	0.82332315
ENSG00000243566	7	UPK3B	76139745	rs28538438	7	76132397	G	A	0.406561	0.00070121	0.0080662	0.930726	-0.773586	0.09834	3.65E-15	-0.0009064	0.0104277	0.9307303	0.7279774	20	0.98780575
ENSG00000205485	7	AC004980.7	76178677	rs17718122	7	76209459	G	A	0.300199	-0.0094069	0.00952288	0.32324	0.834293	0.108695	1.65E-14	-0.0112753	0.0115085	0.3272132	0.9494462	6	0.82662182
ENSG00000146707	7	POMZP3	76239303	rs41278779	7	76255061	C	T	0.209742	0.0119927	0.0109203	0.272118	-1.31749	0.118744	1.32E-28	-0.0091027	0.00832922	0.2744544	0.3813274	20	0.77954811
ENSG00000233448	7	PMS2P9	76669261	rs13247472	7	76550299	A	G	0.609344	0.00677765	0.00861648	0.431521	0.591357	0.105717	2.22E-08	0.0114612	0.014714	0.4360221	0.3288604	7	0.8760777
ENSG00000186088	7	GSAP	76940068	rs10953236	7	77046222	T	C	0.652087	-0.0042885	0.00839468	0.609447	0.676119	0.0809654	6.78E-17	-0.0063429	0.0124392	0.6101157	0.3427507	8	0.92780325
ENSG00000214293	7	RSBN1L-AS1	77286977	rs11982427	7	77320798	T	G	0.141153	0.00175261	0.0129736	0.89254	-0.959384	0.110673	4.37E-18	-0.0018268	0.0135245	0.8925533	0.5699398	20	0.97987891
ENSG00000182165	7	TP53TG1	86954541	rs11975766	7	86979342	G	A	0.0228628	0.0510789	0.0356994	0.152486	-0.972849	0.142965	1.01E-11	-0.0525044	0.0374981	0.1614569	0.8738077	4	0.67326138
ENSG00000157214	7	STEAP2	89796904	rs194523	7	89860574	T	A	0.511928	-0.0060254	0.00816496	0.460539	0.263968	0.0458096	8.30E-09	-0.0228263	0.0311843	0.46418	0.8842745	11	0.88426028
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.59853	0.199633	1.17E-15	0.0119332	0.0116902	0.3073559	0.08681623	10	0.80855092
ENSG00000231170	7	AC002451.3	95225994	rs10231573	7	95234886	C	T	0.423459	0.00473724	0.00823563	0.565148	0.585576	0.101293	7.43E-09	0.00808988	0.0141336	0.5670602	0.5181851	4	0.91214319
ENSG00000180535	7	BHLHA15	97840739	rs12670686	7	97708397	G	A	0.499006	-0.0072868	0.00810815	0.368809	-0.740386	0.0944371	4.51E-15	0.00984195	0.011023	0.3719329	0.07730364	20	0.84538623
ENSG00000272950	7	RP11-307C18.1	97952165	rs4729431	7	97937981	A	T	0.429423	0.0137122	0.00806197	0.0889713	-0.741938	0.0997307	1.01E-13	-0.0184816	0.0111465	0.09730376	0.04978352	20	0.64481993
ENSG00000160917	7	CPSF4	99036545	rs917154	7	99020806	G	A	0.167992	0.00594585	0.00966927	0.538606	0.544693	0.0983962	3.10E-08	0.010916	0.017861	0.5410915	0.5545571	6	0.8990588
ENSG00000146833	7	TRIM4	99474581	rs2527906	7	99521698	T	C	0.532803	-0.0001255	0.00821296	0.987807	0.354814	0.0597804	2.93E-09	-0.0003537	0.0231473	0.9878071	0.02579033	3	0.99593757
ENSG00000242294	7	STAG3L5P	99933702	rs113387325	7	99913146	T	G	0.173956	-0.0150587	0.00987171	0.127148	0.943988	0.0851027	1.37E-28	-0.0159522	0.0105559	0.1307333	0.7235936	17	0.65842282
ENSG00000121716	7	PILRB	99933737	rs10085549	7	99983135	T	C	0.177932	-0.0150274	0.00985786	0.127406	0.848966	0.0710953	7.21E-33	-0.0177008	0.0117058	0.1304992	0.6745052	18	0.65842282
ENSG00000085514	7	PILRA	99965153	rs28401739	7	99905684	G	A	0.176938	-0.015127	0.0098686	0.125314	1.08006	0.105974	2.16E-24	-0.0140057	0.00923985	0.1295716	0.6817137	16	0.65842282
ENSG00000078487	7	ZCWPW1	99998449	rs1962269	7	100072767	T	C	0.193837	-0.0193988	0.00960745	0.043472	0.646245	0.0803547	8.81E-16	-0.0300177	0.015328	0.05018725	0.2349432	10	0.58940145
ENSG00000106404	7	CLDN15	100875373	rs10252506	7	100892102	T	C	0.0596421	-0.0077541	0.017081	0.649856	0.584922	0.0940762	5.05E-10	-0.0132567	0.0292799	0.6507237	0.0534859	5	0.93515218
ENSG00000160999	7	SH2B2	101928405	rs2023482	7	101929278	C	T	0.366799	0.00342718	0.00816837	0.674801	0.430002	0.0694173	5.85E-10	0.00797015	0.0190396	0.6755026	0.3124097	3	0.94388572
ENSG00000267368	7	UPK3BL	102277472	rs4729851	7	102351847	T	A	0.714712	0.00767202	0.00884246	0.385595	-0.654252	0.106893	9.32E-10	-0.0117264	0.0136505	0.3903151	0.5273443	7	0.86143514
ENSG00000228049	7	POLR2J2	102277474	rs4729850	7	102343967	G	A	0.898608	0.00072965	0.01403	0.958524	-1.43922	0.160504	3.05E-19	-0.000507	0.0097485	0.9585242	0.8387196	16	0.99296872
ENSG00000170632	7	ARMC10	102715328	rs73410128	7	102693694	C	G	0.125249	0.00023173	0.0143641	0.987129	-0.463937	0.0780505	2.78E-09	-0.0004995	0.0309614	0.9871288	0.00446716	4	0.99593757
ENSG00000241764	7	AC002467.7	107383262	rs12705421	7	107401429	G	A	0.264414	-0.0013015	0.00859522	0.879643	0.680008	0.108057	3.11E-10	-0.001914	0.0126435	0.8796779	0.1342144	4	0.97812135
ENSG00000091140	7	DLD	107531415	rs3213674	7	107564542	T	G	0.44334	-0.0034024	0.00822269	0.679032	0.327795	0.0545737	1.90E-09	-0.0103797	0.0251443	0.6797488	0.9690211	18	0.94554211
ENSG00000177683	7	THAP5	108194987	rs40941	7	108202925	T	C	0.318091	-0.0162377	0.00873597	0.0630667	0.532903	0.0746804	9.62E-13	-0.0304703	0.0169402	0.07206633	0.1842762	10	0.61480595
ENSG00000106013	7	ANKRD7	117854727	rs992035	7	117828003	T	C	0.614314	0.0165396	0.00887936	0.0625029	-0.601631	0.103591	6.33E-09	-0.0274913	0.0154993	0.07611156	0.3286026	9	0.61606353
ENSG00000242593	7	RP5-921G16.1	123672259	rs7802999	7	124044936	C	T	0.241551	-0.0089996	0.00937348	0.336999	-1.06711	0.111745	1.30E-21	0.00843362	0.00882827	0.3394276	0.109488	20	0.83398587
ENSG00000273270	7	RP11-212P7.2	128164070	rs79328924	7	128171280	G	C	0.292247	-0.0115556	0.0089987	0.199092	-0.381701	0.069378	3.76E-08	0.030274	0.0242089	0.2111062	0.3102104	9	0.73142018
ENSG00000230715	7	RP11-274B21.4	128292895	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.41341	0.0520739	2.04E-15	-0.0133055	0.0196789	0.4989574	0.08993401	13	0.88426028
ENSG00000229413	7	AC018638.1	128293740	rs12706856	7	128334351	C	T	0.447316	-0.0035952	0.00809063	0.656783	0.383183	0.0606877	2.72E-10	-0.0093823	0.0211665	0.6575753	0.4939302	7	0.9360722
ENSG00000243679	7	RP11-274B21.3	128294023	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.338613	0.0492789	6.36E-12	-0.0162446	0.024055	0.4994779	0.230443	10	0.88426028
ENSG00000271553	7	RP11-274B21.10	128307097	rs339072	7	128364080	T	G	0.597416	-0.0070067	0.00857844	0.414052	0.440644	0.0741967	2.87E-09	-0.0159011	0.0196512	0.4184192	0.2906354	11	0.8760777
ENSG00000272899	7	RP11-309L24.9	128510821	rs3736611	7	128509243	G	C	0.166998	-0.0022045	0.00975359	0.821187	0.537817	0.0867251	5.60E-10	-0.004099	0.0181476	0.8213038	0.09850998	12	0.95542705
ENSG00000243317	7	C7orf73	135347244	rs3110823	7	135357476	C	A	0.148111	-0.0103812	0.0106274	0.328655	-0.407475	0.0731618	2.55E-08	0.0254769	0.0264792	0.3359758	0.4320778	9	0.83103105
ENSG00000273391	7	RP11-634H22.1	139043778	rs4732379	7	139122814	C	T	0.275348	-0.0057034	0.010726	0.594912	0.594846	0.108949	4.77E-08	-0.0095879	0.0181169	0.5966477	0.4660409	10	0.92181392
ENSG00000228775	7	WEE2-AS1	141404138	rs12703407	7	141482130	T	C	0.466203	-0.0004665	0.00806745	0.953893	0.661351	0.0832487	1.95E-15	-0.0007053	0.0121988	0.9538939	0.8881783	20	0.99296872
ENSG00000127364	7	TAS2R4	141478242	rs12534862	7	141518836	G	A	0.45328	-0.0029284	0.00811139	0.718082	0.938026	0.0864195	1.90E-27	-0.0031219	0.00865208	0.7182313	0.9306518	20	0.94727701
ENSG00000257335	7	MGAM	141607613	rs6962760	7	141465363	C	T	0.472167	-0.0015482	0.0080419	0.847334	-0.524311	0.0897595	5.18E-09	0.0029529	0.0153464	0.8474154	0.9618256	10	0.96559734
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.523677	0.0595766	1.50E-18	-0.0224016	0.0168559	0.1838459	0.8993623	16	0.69741952
ENSG00000181444	7	ZNF467	149461271	rs855674	7	149464546	C	T	0.173956	-0.0027985	0.01179	0.812378	-0.553288	0.0908768	1.14E-09	0.00505789	0.0213252	0.8125176	0.2970292	8	0.95331821
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.644556	0.0740996	3.36E-18	0.00850713	0.0155517	0.5843634	0.2188671	12	0.91214319
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs3857764	7	149561049	G	C	0.62326	-0.0046821	0.00811503	0.563964	0.509546	0.0747771	9.48E-12	-0.0091888	0.015983	0.5653535	0.4859032	13	0.91214319
ENSG00000171130	7	ATP6V0E2	149570057	rs6947011	7	149575725	T	C	0.600398	-0.0032429	0.00807086	0.687827	0.332991	0.0488676	9.48E-12	-0.0097388	0.0242796	0.6883397	0.1413992	10	0.94651419
ENSG00000127399	7	LRRC61	150019728	rs1962004	7	150020381	A	G	0.253479	-0.0084057	0.00915145	0.358353	0.783021	0.0865639	1.49E-19	-0.0107349	0.0117475	0.3608178	0.4396927	18	0.8429066
ENSG00000188707	7	ZBED6CL	150026938	rs1047575	7	150035500	G	C	0.26839	-0.013733	0.00847021	0.104947	-0.884068	0.110781	1.46E-15	0.0155339	0.00977668	0.1120898	0.9300107	16	0.64481993
ENSG00000197150	7	ABCB8	150725510	rs11769256	7	150725972	T	C	0.143141	-0.0119043	0.0117421	0.310671	-0.487523	0.0861759	1.54E-08	0.0244179	0.0244689	0.3183199	0.8468951	8	0.8199023
ENSG00000214106	7	PAXIP1-AS2	154720208	rs4478527	7	154784017	T	G	0.326044	-0.0077013	0.00853669	0.366981	0.513977	0.0823494	4.34E-10	-0.0149838	0.0167817	0.3719302	0.1602632	4	0.84538623
ENSG00000218672	7	AC008060.7	155174771	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.627028	0.0848037	1.43E-13	-0.0037354	0.0130697	0.7750275	0.7192782	12	0.94953271
ENSG00000260426	7	RP5-912I13.1	155192617	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.65447	0.0826166	2.34E-15	-0.0035788	0.0125205	0.7750064	0.48938	13	0.94953271
ENSG00000182648	7	LINC01006	156264890	rs6977459	7	156446045	G	A	0.340954	-0.0086922	0.00830229	0.295117	-0.613469	0.0850858	5.60E-13	0.0141689	0.0136753	0.3001572	0.7847283	17	0.80544615
ENSG00000253982	8	CTD-2336O2.1	1710156	rs6558535	8	1710632	C	T	0.688867	0.0139258	0.00951819	0.143448	0.276059	0.0466238	3.20E-09	0.050445	0.0355158	0.155505	0.5745566	9	0.67326138
ENSG00000036448	8	MYOM2	1993155	rs28718089	8	2076367	G	A	0.44831	0.0157336	0.00811529	0.0525303	0.517128	0.092148	2.00E-08	0.030425	0.0166031	0.06687881	0.9075528	12	0.61480595
ENSG00000253444	8	AC133633.2	2350992	rs58911548	8	2368035	A	C	0.421471	0.0120276	0.00806212	0.135735	-0.585121	0.100361	5.54E-09	-0.0205557	0.0142225	0.1483742	0.8088175	4	0.67014512
ENSG00000271743	8	CTD-2541M15.3	6473125	rs2515557	8	6475113	A	G	0.286282	0.0160601	0.00917855	0.0801623	-0.627581	0.106277	3.52E-09	-0.0255905	0.0152538	0.09341643	0.8381016	12	0.64379887
ENSG00000249898	8	CTD-2541M15.1	6475996	rs11773941	8	6529155	C	T	0.609344	-0.0033292	0.00814902	0.682881	-0.56178	0.0871413	1.14E-10	0.00592607	0.0145348	0.6834822	0.235915	20	0.9461177
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-1.00967	0.0849263	1.35E-32	-0.018422	0.00830303	0.0265069	0.9493985	20	0.47888085
ENSG00000173295	8	FAM86B3P	8086117	rs2980441	8	8095129	C	G	0.487078	0.0128892	0.00823031	0.117333	-0.777779	0.0827632	5.58E-21	-0.0165718	0.0107277	0.1224037	0.2083785	20	0.65842282
ENSG00000233609	8	RP11-62H7.2	8818710	rs28482034	8	8869664	A	G	0.469185	-0.0268295	0.00830822	0.00124108	-0.698556	0.0892885	5.13E-15	0.0384071	0.0128667	0.00283589	0.3594627	20	0.24369595
ENSG00000255020	8	AF131216.5	11203257	rs2736273	8	11199938	A	C	0.519881	0.0144317	0.0082498	0.0802324	0.517718	0.0700921	1.51E-13	0.0278756	0.0163757	0.08870861	0.10259	20	0.64379887
ENSG00000254507	8	RP11-481A20.10	11860909	rs11250186	8	11853596	G	A	0.562624	0.00541365	0.00852282	0.525301	0.716057	0.0850729	3.86E-17	0.00756036	0.0119363	0.5264766	0.06144244	20	0.8908562
ENSG00000227888	8	FAM66A	12219527	rs373463701	8	12148504	C	T	0.510934	0.00354856	0.0106175	0.738215	0.828334	0.0963868	8.41E-18	0.00428397	0.0128276	0.7384055	0.1912195	20	0.94727701
ENSG00000255556	8	RP11-351I21.6	12236188	rs4841580	8	11517977	C	T	0.423459	0.017894	0.00810215	0.0272063	0.653093	0.108015	1.48E-09	0.0273989	0.0132075	0.03803387	0.8289838	20	0.50611661
ENSG00000198791	8	CNOT7	17086737	rs73200936	8	17121711	A	C	0.0656064	0.0185374	0.0160384	0.247757	0.621881	0.0876905	1.32E-12	0.0298086	0.0261304	0.2539689	0.7099898	7	0.76500861
ENSG00000129422	8	MTUS1	17501304	rs4921800	8	17514797	G	A	0.802187	-0.0002742	0.00877814	0.975078	0.372487	0.0630319	3.43E-09	-0.0007362	0.0235666	0.975078	0.9250944	20	0.99593757
ENSG00000078674	8	PCM1	17780349	rs12335048	8	17788261	C	T	0.585487	-0.0152797	0.00823857	0.0636458	-0.457745	0.0685325	2.40E-11	0.0333804	0.0186791	0.07393096	0.1278386	18	0.61480595
ENSG00000147408	8	CSGALNACT1	19261672	rs10888163	8	19315034	T	G	0.431412	-0.0052088	0.00810189	0.520283	0.62562	0.0669639	9.40E-21	-0.0083258	0.0129808	0.5212678	0.9653495	20	0.88902293
ENSG00000158856	8	DMTN	21906506	rs11782192	8	21906403	C	A	0.689861	0.00503825	0.0085906	0.55755	-0.237531	0.0403756	4.03E-09	-0.0212109	0.0363455	0.5594953	0.3581212	5	0.91086573
ENSG00000120910	8	PPP3CC	22298332	rs7431	8	22398462	A	G	0.461233	0.00633252	0.00808948	0.43374	-0.446548	0.0722023	6.22E-10	-0.0141811	0.0182601	0.4373871	0.1808393	8	0.8760777
ENSG00000241852	8	C8orf58	22457114	rs876714	8	22482799	G	A	0.424453	0.00562423	0.00833058	0.499593	0.364292	0.0585693	4.98E-10	0.0154388	0.0230022	0.5021006	0.279188	10	0.88426028
ENSG00000248738	8	RP11-87E22.2	22735485	rs2466177	8	22737971	T	C	0.353877	0.00967976	0.00886402	0.27482	-0.621897	0.0731065	1.79E-17	-0.0155649	0.0143702	0.2787463	0.1834281	16	0.7820888
ENSG00000173535	8	TNFRSF10C	22941868	rs11989235	8	22945600	G	A	0.16004	-0.0201206	0.00969198	0.0378931	0.727483	0.0893798	3.98E-16	-0.0276578	0.0137492	0.04426188	0.1178166	20	0.54580431
ENSG00000147419	8	CCDC25	27590835	rs10097446	8	27625974	C	A	0.530815	0.0213454	0.00805767	0.00807124	-0.288152	0.0511711	1.79E-08	-0.0740769	0.030903	0.01652635	0.1738429	9	0.44186828
ENSG00000134014	8	ELP3	27947190	rs1563055	8	27954465	T	C	0.33996	0.0061604	0.00848195	0.467658	0.496046	0.0608024	3.40E-16	0.012419	0.0171667	0.4694132	0.9871447	18	0.88426028
ENSG00000176209	8	SMIM19	42396298	rs6988493	8	42351328	T	C	0.427435	0.00083906	0.00824585	0.918951	0.464199	0.0617659	5.67E-14	0.00180754	0.0177652	0.9189585	0.7617653	16	0.98087349
ENSG00000034239	8	EFCAB1	49623348	rs3750259	8	49647910	A	C	0.605368	0.00063178	0.00828332	0.939203	-0.74969	0.0638708	8.18E-32	-0.0008427	0.0110492	0.9392041	0.719295	20	0.99087277
ENSG00000251396	8	RP11-163N6.2	61297147	rs10092773	8	61331387	A	G	0.548708	0.0194922	0.00815438	0.0168302	-0.472819	0.0764314	6.16E-10	-0.0412255	0.0184891	0.02576581	0.5909759	8	0.47366505
ENSG00000137563	8	GGH	63927638	rs11990678	8	63945773	C	T	0.0924453	0.0157813	0.016968	0.352338	0.838509	0.126489	3.38E-11	0.0188207	0.0204341	0.3570287	0.8108776	20	0.8429066
ENSG00000254081	8	CTD-3025N20.2	66439243	rs13280521	8	66661074	A	G	0.537773	0.0152238	0.00810424	0.0603143	0.566719	0.0793994	9.50E-13	0.026863	0.0147873	0.06927289	0.07036148	20	0.61480595
ENSG00000272010	8	CTD-3025N20.3	66504085	rs34851482	8	66518462	A	G	0.316103	-0.0138801	0.00907985	0.126346	-0.542483	0.0867694	4.05E-10	0.0255862	0.0172306	0.1375631	0.9913857	5	0.66434762
ENSG00000104442	8	ARMC1	66514694	rs60786812	8	66482349	G	T	0.390656	-0.0129048	0.00865959	0.136164	0.410341	0.0571714	7.11E-13	-0.031449	0.0215535	0.144534	0.8847365	11	0.66790255
ENSG00000147576	8	ADHFE1	67342420	rs2555568	8	67362864	G	A	0.489066	-0.0026137	0.00807303	0.746122	0.30332	0.0404949	6.87E-14	-0.0086169	0.0266404	0.7463516	0.5736496	20	0.94727701
ENSG00000147592	8	LACTB2	71547553	rs13271606	8	71741723	G	T	0.611332	-0.0165934	0.008127	0.0411756	0.414261	0.0705203	4.25E-09	-0.0400554	0.0207693	0.05378185	0.3371752	12	0.59280218
ENSG00000221947	8	XKR9	71581600	rs13271442	8	71585169	C	T	0.516899	-0.0152521	0.00805428	0.0582707	0.886234	0.0857566	4.93E-25	-0.01721	0.00923953	0.0625114	0.2530507	9	0.60756154
ENSG00000254352	8	RP11-578O24.2	79636031	rs4739134	8	79556148	C	T	0.713718	0.0111686	0.00910975	0.220199	0.768538	0.117884	7.06E-11	0.0145323	0.0120611	0.2282476	0.2517924	6	0.73598765
ENSG00000104497	8	SNX16	82711816	rs1597755	8	82777939	C	T	0.266402	-0.0055805	0.00830349	0.501539	-0.470172	0.0726913	9.93E-11	0.0118691	0.0177556	0.5038334	0.05457601	7	0.88426028
ENSG00000176623	8	RMDN1	87480486	rs4961193	8	87486168	C	T	0.27833	0.015466	0.00916869	0.0916368	0.347185	0.0462813	6.30E-14	0.0445469	0.0270681	0.09981847	0.5116791	10	0.64481993
ENSG00000164823	8	OSGIN2	90914087	rs447989	8	90860803	G	A	0.695825	-0.0045911	0.00866068	0.596034	0.547812	0.095076	8.32E-09	-0.0083809	0.0158764	0.5975801	0.1759593	11	0.92181392
ENSG00000174226	8	SNX31	101585116	rs1693560	8	101680292	G	A	0.469185	-0.0028437	0.00813132	0.726549	0.673312	0.0979302	6.18E-12	-0.0042234	0.0120922	0.7268883	0.7901469	10	0.94727701
ENSG00000271830	8	RP11-1C8.7	104493494	rs35667758	8	104508704	T	A	0.38668	0.0104774	0.00810571	0.196149	0.619686	0.0820544	4.28E-14	0.0169076	0.0132706	0.2026393	0.8039461	15	0.72037358
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.25399	0.127371	7.19E-23	-0.0043068	0.00772613	0.5772299	0.4813122	15	0.91214319
ENSG00000172167	8	MTBP	121457640	rs6982091	8	121546802	A	G	0.313121	0.0131444	0.00854017	0.123773	0.377678	0.068931	4.28E-08	0.0348032	0.0234875	0.1384008	0.6593079	5	0.66434762
ENSG00000156787	8	TBC1D31	124054208	rs75096144	8	124131225	T	C	0.114314	-0.0077454	0.0107651	0.471838	0.899402	0.14592	7.11E-10	-0.0086118	0.0120504	0.4748297	0.00587173	12	0.88426028
ENSG00000156795	8	WDYHV1	124428965	rs3779988	8	124473085	A	G	0.586481	-0.0050901	0.0081724	0.533386	0.560008	0.0803136	3.11E-12	-0.0090894	0.0146515	0.5350117	0.4397155	9	0.89853289
ENSG00000259820	8	AC083843.1	135804263	rs737196	8	135847442	C	T	0.372763	0.00369799	0.00846404	0.66218	-0.325875	0.0576563	1.59E-08	-0.0113479	0.0260508	0.6631223	0.5739888	3	0.93787835
ENSG00000253288	8	RP11-238K6.1	138821687	rs7018121	8	138868918	T	C	0.230616	-0.0060341	0.00996942	0.545006	-0.496788	0.0882047	1.78E-08	0.0121462	0.0201833	0.5473106	0.7118353	3	0.90363499
ENSG00000169398	8	PTK2	141667999	rs1850436	8	141674370	C	T	0.518887	0.0148849	0.00813265	0.0672094	0.33615	0.0548884	9.11E-10	0.0442805	0.0252508	0.07949449	0.6109695	20	0.62558233
ENSG00000253210	8	RP11-809O17.1	142136143	rs6578152	8	142139251	C	T	0.462227	0.00038136	0.0081648	0.962746	-0.614424	0.0891099	5.38E-12	-0.0006207	0.0132888	0.9627468	0.5934738	8	0.99296872
ENSG00000261693	8	RP13-467H17.1	143485013	rs62511434	8	143498381	C	T	0.838966	-0.0051697	0.0110989	0.641375	0.836321	0.14187	3.75E-09	-0.0061814	0.0133125	0.642409	0.8894819	6	0.93485806
ENSG00000160886	8	LY6K	143781529	rs4736323	8	143830359	T	C	0.307157	-0.0229119	0.00837819	0.00624367	0.795419	0.112255	1.38E-12	-0.0288048	0.0112903	0.01073241	0.1657493	14	0.41519696
ENSG00000253741	8	CTD-2292P10.4	143783670	rs2717602	8	143805683	A	G	0.456262	0.00407243	0.00813769	0.616764	-0.616526	0.0776703	2.06E-15	-0.0066055	0.0132255	0.6174632	0.02580479	20	0.92780325
ENSG00000130193	8	THEM6	143808621	rs2585136	8	143812141	G	A	0.456262	0.00285134	0.00813846	0.726074	-0.431493	0.0552664	5.83E-15	-0.0066081	0.0188801	0.7263375	0.01359818	18	0.94727701
ENSG00000180155	8	LYNX1	143845752	rs13362	8	143852964	G	C	0.266402	-0.0267723	0.00890137	0.00263263	0.326739	0.047973	9.70E-12	-0.0819379	0.0297811	0.00593527	0.6601033	9	0.33457971
ENSG00000247317	8	RP11-273G15.2	144063155	rs4483136	8	144104313	C	T	0.333996	-0.0202738	0.00826181	0.0141309	0.362746	0.0610672	2.85E-09	-0.0558898	0.0246427	0.02332869	0.3070275	11	0.45306927
ENSG00000253716	8	RP13-582O9.5	144362331	rs7388117	8	144361957	A	C	0.485089	0.00196807	0.00809101	0.807819	-0.702772	0.0783488	2.97E-19	-0.0028004	0.0115172	0.8078875	0.7791692	19	0.95331821
ENSG00000185730	8	ZNF696	144371846	rs35096181	8	144409934	A	C	0.766402	0.010169	0.010178	0.317736	-0.449558	0.0803153	2.18E-08	-0.02262	0.0229979	0.325327	0.4281656	7	0.82362657
ENSG00000104518	8	GSDMD	144635377	rs392131	8	144572758	C	T	0.255467	-0.0059957	0.00876455	0.493919	-0.382327	0.0522727	2.59E-13	0.0156822	0.0230243	0.4957981	0.6020916	14	0.88426028
ENSG00000255050	8	RP11-661A12.9	144655660	rs1809148	8	144663075	A	G	0.130219	-0.0026056	0.0111614	0.815411	-0.845331	0.141768	2.48E-09	0.00308239	0.0132137	0.81555	0.8506463	3	0.95331821
ENSG00000147813	8	NAPRT1	144656955	rs10282929	8	144681777	T	G	0.799205	-0.0007696	0.00974138	0.93703	0.983385	0.0937855	1.01E-25	-0.0007826	0.00990625	0.9370316	0.5409908	20	0.99029499
ENSG00000180921	8	FAM83H	144806103	rs12541792	8	144852879	A	G	0.552684	0.00056554	0.00809104	0.944276	-0.535675	0.0711495	5.12E-14	-0.0010557	0.015105	0.9442784	0.4094961	12	0.99151745
ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	1.38073	0.12403	8.74E-29	-0.0073699	0.0107767	0.4940565	0.7852249	9	0.88426028
ENSG00000071894	8	CPSF1	145618444	rs34247131	8	145613959	C	T	0.570577	-0.0012562	0.00807028	0.876299	0.787572	0.0677021	2.80E-31	-0.0015951	0.010248	0.87631	0.7331471	16	0.97812135
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	1.2041	0.128308	6.33E-21	0.0103357	0.0145688	0.4780518	0.01962857	9	0.88426028
ENSG00000196922	8	ZNF252P	146198975	rs73383005	8	146205474	G	A	0.0994036	-0.0060452	0.0120691	0.616453	0.960829	0.122471	4.32E-15	-0.0062917	0.0125867	0.6171698	0.6339641	17	0.92780325

ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407064	9	47303	G	A	0.45825	-0.0026519	0.0084702	0.754213	-0.779338	0.0927324	4.31E-17	0.0034028	0.010876	0.7543776	0.4675335	7	0.94873228
ENSG00000227917	9	RP11-143M1.3	100804	rs9407064	9	47303	G	A	0.45825	-0.0026519	0.0084702	0.754213	0.583491	0.105028	2.77E-08	-0.0045449	0.0145395	0.7545896	0.4118027	4	0.94873228
ENSG00000172785	9	CBWD1	121041	rs3008143	9	193737	T	C	0.619284	0.00110801	0.00824952	0.893156	-0.731129	0.0881939	1.13E-16	-0.0015155	0.0112847	0.8931698	0.2037253	20	0.97987891
ENSG00000107099	9	DOCK8	214854	rs10491693	9	327365	C	T	0.412525	0.00589618	0.00807293	0.465167	0.423214	0.0770776	4.00E-08	0.0139319	0.0192433	0.4690735	0.4017145	6	0.88426028
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	0.970068	0.144485	1.89E-11	-0.0005973	0.0113898	0.9581798	0.6652438	7	0.99296872
ENSG00000235448	9	RP11-3L8.3	12700100	rs9298679	9	12669346	A	G	0.774354	0.00308904	0.00982216	0.753144	0.579386	0.10169	1.22E-08	0.00533158	0.0169785	0.7535066	0.8420623	12	0.94873228
ENSG00000215237	9	RP11-54D18.2	14993310	rs1916312	9	15019786	G	A	0.5	-0.0063612	0.00808146	0.431205	0.96742	0.0795582	5.08E-34	-0.0065754	0.0083711	0.4321679	0.5008603	20	0.8760777
ENSG00000164989	9	CCDC171	15552895	rs36197458	9	15790809	A	G	0.477137	-0.0184044	0.00808255	0.0227835	-0.537233	0.0806132	2.66E-11	0.0342578	0.0158987	0.03118156	0.4116486	20	0.49768191
ENSG00000261402	9	RP11-378I6.1	19926092	rs10811277	9	19896957	G	C	0.611332	-0.0039045	0.00818378	0.633293	-0.499114	0.0696618	7.79E-13	0.00782278	0.0164329	0.6340436	0.7805002	13	0.93077978
ENSG00000241043	9	GVQW1	32566787	rs673710	9	32564173	G	T	0.456262	0.00105343	0.00829122	0.898898	-0.517307	0.0783316	4.00E-11	-0.0020364	0.0160306	0.8989165	0.5953464	13	0.97987891
ENSG00000165269	9	AQP7	33384765	rs17251987	9	33388289	T	C	0.10338	-0.0005981	0.0119204	0.959981	1.35642	0.15944	1.78E-17	-0.000441	0.00878829	0.9599815	0.4525657	10	0.99296872
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.497156	0.0698133	1.07E-12	-0.0011292	0.0185445	0.9514476	0.6816012	5	0.99296872
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.53083	0.183605	7.58E-17	0.0201146	0.0104178	0.05350734	0.05963867	20	0.59280218
ENSG00000164978	9	NUDT2	34329504	rs10971956	9	34151280	T	G	0.60338	-0.0106251	0.00845424	0.208832	0.511572	0.0566233	1.65E-19	-0.0207695	0.0166851	0.2132083	0.3401959	16	0.7320182
ENSG00000205143	9	ARID3C	34621376	rs10814130	9	34637991	A	C	0.148111	0.0132436	0.0123716	0.284402	0.831088	0.120692	5.74E-12	0.0159353	0.0150648	0.2901564	0.123018	9	0.79609866
ENSG00000230074	9	RP11-195F19.9	34665662	rs1106069	9	34687033	T	C	0.196819	-0.0137621	0.0124192	0.267806	-0.900046	0.13763	6.17E-11	0.0152904	0.0139951	0.2745885	0.1205724	12	0.77954811
ENSG00000198467	9	TPM2	35681989	rs13291033	9	35690530	A	T	0.275348	0.0154202	0.00937714	0.100083	-0.50126	0.0782754	1.52E-10	-0.0307629	0.0193141	0.1112121	0.9678298	8	0.64481993
ENSG00000137103	9	TMEM8B	35814448	rs7022281	9	35851048	T	C	0.60835	-0.012711	0.0081403	0.11841	-0.455466	0.0635912	7.93E-13	0.0279077	0.0182923	0.1270959	0.4246349	18	0.65842282
ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.1322	0.122811	3.00E-20	-0.0010031	0.00925095	0.9136529	0.09118024	9	0.97987891
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.690211	0.102231	1.46E-11	0.0213277	0.014751	0.1482207	0.7379274	5	0.67014512
ENSG00000106733	9	NMRK1	77675489	rs10869500	9	77707695	T	A	0.366799	-0.0057783	0.00889866	0.516118	-1.15277	0.0844881	2.19E-42	0.00501251	0.00772811	0.5165921	0.1223998	20	0.88902293
ENSG00000165121	9	RP11-213G2.3	88430881	rs527269275	9	88420603	T	C	0.215706	-0.0013414	0.00966999	0.889676	-0.416667	0.0716936	6.18E-09	0.00321929	0.0232146	0.8897068	0.32337	16	0.97987891
ENSG00000226237	9	RP11-276H19.1	89563614	rs1927078	9	89612574	C	T	0.728628	0.0030829	0.00911435	0.735177	0.693699	0.125081	2.92E-08	0.00444415	0.0131632	0.73565	0.3852731	3	0.94727701
ENSG00000234537	9	RP11-100G15.7	94894680	rs11787600	9	94888482	A	G	0.326044	-0.007042	0.00840021	0.401852	0.62328	0.096573	1.09E-10	-0.0112984	0.0135906	0.4057853	0.8775553	9	0.86982438
ENSG00000188312	9	CENPP	95087766	rs10992314	9	95117419	T	C	0.175944	-0.0138549	0.0117778	0.239453	0.828157	0.0939295	1.18E-18	-0.0167298	0.0143477	0.2436045	0.7728535	20	0.75324972
ENSG00000165233	9	C9orf89	95858500	rs7032929	9	95870524	T	C	0.971173	0.0156174	0.0199742	0.434287	0.721347	0.131345	3.97E-08	0.0216503	0.0279694	0.4388874	0.3882474	6	0.8760777
ENSG00000227603	9	RP11-165J3.6	96197614	rs7025805	9	96243745	G	A	0.127237	0.0138075	0.0117165	0.23861	0.875687	0.120564	3.78E-13	0.0157676	0.0135547	0.2447263	0.3392004	14	0.75393686
ENSG00000175611	9	LINC00476	98521513	rs591486	9	98650046	G	A	0.440358	0.0144771	0.00808156	0.0732335	0.776619	0.0909351	1.34E-17	0.0186412	0.0106325	0.07956398	0.6365399	20	0.62558233
ENSG00000224848	9	RP11-535M15.1	99449338	rs76481767	9	99468996	A	C	0.128231	0.0179663	0.0119208	0.131774	-1.151	0.151891	3.52E-14	-0.0156093	0.0105598	0.139358	0.01031269	5	0.66434762
ENSG00000228376	9	RP11-520B13.4	99837953	rs7869959	9	99983513	T	C	0.503976	-0.0084459	0.00811335	0.297882	0.792625	0.0788703	9.21E-24	-0.0106556	0.0102908	0.3004604	0.09724562	17	0.80544615
ENSG00000228038	9	VN1R51P	99855976	rs10817265	9	99992220	C	T	0.511928	-0.003372	0.00807849	0.676385	0.455171	0.0794791	1.02E-08	-0.0074081	0.0177953	0.6771937	0.5510338	4	0.9449103
ENSG00000159712	9	ANKRD18CP	99918852	rs3747489	9	100137174	T	G	0.390656	0.0126862	0.00834584	0.128494	-0.718561	0.0815501	1.24E-18	-0.017655	0.0117862	0.1341498	0.02345498	16	0.66377984
ENSG00000203279	9	RP11-498P14.5	99962757	rs10435867	9	100107635	T	C	0.488072	0.00921653	0.00807969	0.253994	-0.896722	0.105408	1.78E-17	-0.010278	0.00909089	0.2582298	0.22129	10	0.7719506
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.680513	0.0647293	7.51E-26	0.00131043	0.011912	0.9124016	0.4960595	19	0.97987891
ENSG00000095383	9	TBC1D2	100961311	rs3739664	9	100979345	C	T	0.565606	0.0133201	0.00814455	0.101952	0.408297	0.057543	1.29E-12	0.0326236	0.0204706	0.1110086	0.1170366	17	0.64481993
ENSG00000136824	9	SMC2	106856541	rs10761010	9	106858788	A	G	0.576541	0.00474382	0.00830139	0.567695	-0.651667	0.065707	3.48E-23	-0.0072795	0.0127598	0.5683368	0.9401091	20	0.91214319
ENSG00000136783	9	NIPSNAP3A	107509969	rs10512333	9	107512604	C	A	0.191849	-0.0125907	0.00976125	0.197096	-0.529557	0.0768941	5.70E-12	0.0237759	0.0187534	0.2048622	0.8171791	20	0.72293997
ENSG00000106853	9	PTGR1	114312002	rs41279069	9	114361707	C	G	0.156064	-0.0054721	0.0110173	0.619414	-0.55884	0.0978418	1.12E-08	0.00979191	0.019789	0.62073	0.01406126	8	0.92780325
ENSG00000204173	9	LRRC37A5P	114353872	rs2065100	9	114393246	C	T	0.276342	0.024031	0.00842944	0.00436044	-0.757196	0.0916298	1.41E-16	-0.0317368	0.0117763	0.00703935	0.00049328	16	0.36549031
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.463048	0.063567	3.23E-13	-0.0021163	0.0192129	0.9122898	0.2526195	20	0.97987891
ENSG00000259953	9	RP11-4O1.2	114794835	rs6477885	9	114945738	A	G	0.327038	0.0046811	0.00816399	0.566385	-0.391673	0.0585589	2.25E-11	-0.0119516	0.0209203	0.5678041	0.618211	6	0.91214319
ENSG00000106868	9	SUSD1	114803065	rs12344169	9	114937689	C	T	0.327038	0.00273349	0.008164	0.73776	-0.406156	0.0478703	2.17E-17	-0.0067302	0.0201163	0.7379555	0.3545884	12	0.94727701
ENSG00000176386	9	CDC26	116018115	rs10817475	9	116059054	G	A	0.274354	-0.0036704	0.00887798	0.679294	-0.468957	0.0798829	4.34E-09	0.00782671	0.0189782	0.6800427	0.6625727	14	0.94554211
ENSG00000119411	9	BSPRY	116111821	rs7025371	9	116085822	G	A	0.563618	-0.0035799	0.00806612	0.657172	0.550177	0.099793	3.52E-08	-0.0065069	0.0147084	0.6582065	0.7551027	6	0.93617585
ENSG00000136883	9	KIF12	116848406	rs12338362	9	116864326	C	T	0.260437	-0.0053442	0.00969813	0.581595	-0.36583	0.0659136	2.85E-08	0.0146085	0.0266403	0.5834451	0.3372149	5	0.91214319
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.16655	0.0836867	3.65E-44	-0.0075694	0.00701723	0.2807259	0.4690878	20	0.78348136
ENSG00000197958	9	RPL12	130209953	rs2253669	9	130230514	G	A	0.637177	0.00842949	0.00860714	0.327402	0.326953	0.0390753	5.90E-17	0.025782	0.026505	0.3306926	0.4855241	14	0.83103105
ENSG00000136908	9	DPM2	130697378	rs11789803	9	130706128	G	A	0.872763	0.00992609	0.0134412	0.460221	-0.627229	0.107868	6.07E-09	-0.0158253	0.0216016	0.4638037	0.1507897	8	0.88426028
ENSG00000136811	9	ODF2	131217465	rs10819396	9	131300931	T	C	0.732604	-0.0001823	0.0093018	0.984366	-0.502222	0.0872393	8.57E-09	0.00036294	0.0185214	0.984366	0.137717	4	0.99593757
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.46715	0.160119	5.05E-20	0.00922401	0.0100471	0.358578	0.03102517	20	0.8429066
ENSG00000204055	9	RP11-247A12.2	131939050	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.07897	0.169807	2.10E-10	0.0125425	0.0137355	0.3611671	0.4861663	3	0.8429066
ENSG00000125485	9	DDX31	135468384	rs62576216	9	135584299	A	G	0.196819	-0.0037887	0.0095361	0.691143	0.617823	0.102328	1.56E-09	-0.0061324	0.0154684	0.6917757	0.6804674	6	0.94651419
ENSG00000165695	9	AK8	135600965	rs370741	9	135694140	T	C	0.582505	-0.0005355	0.00808205	0.947177	0.668635	0.0903745	1.38E-13	-0.0008008	0.0120879	0.9471794	0.5343019	20	0.99296872
ENSG00000165699	9	TSC1	135766735	rs7858160	9	135796182	T	C	0.143141	-0.010417	0.0123331	0.398313	-0.363392	0.0661343	3.91E-08	0.028666	0.0343375	0.4038122	0.5546733	4	0.86982438
ENSG00000175164	9	ABO	136125788	rs8176741	9	136131461	A	G	0.084493	-0.0155341	0.01183	0.189145	1.09425	0.157107	3.28E-12	-0.0141961	0.0110015	0.1969192	0.2741461	13	0.71320307
ENSG00000148290	9	SURF1	136218610	rs2073932	9	136305439	G	A	0.578529	-0.0069116	0.00843074	0.412326	0.585216	0.0657746	5.72E-19	-0.0118103	0.0144672	0.4143006	0.4133869	20	0.8760777
ENSG00000148300	9	REXO4	136271186	rs2285486	9	136277480	A	G	0.392644	-0.0099428	0.00807888	0.218431	-0.427961	0.0653778	5.91E-11	0.0232329	0.0192084	0.2264636	0.312571	11	0.73598765
ENSG00000225756	9	DBH-AS1	136519708	rs2097629	9	136519700	G	A	0.409543	0.0184435	0.00840488	0.0282079	-0.48016	0.0691892	3.93E-12	-0.0384112	0.0183586	0.03641393	0.6406533	4	0.50611661
ENSG00000196363	9	WDR5	137000487	rs28637447	9	136997967	T	C	0.419483	-0.0098373	0.0082487	0.233033	0.433229	0.0668167	8.94E-11	-0.0227068	0.0193594	0.2408327	0.5610718	10	0.75065232
ENSG00000224682	9	SOCS5P2	138339292	rs10858106	9	138332424	A	G	0.787276	0.00997198	0.0107482	0.353519	0.7746	0.125651	7.06E-10	0.0128737	0.0140321	0.3589072	0.4903682	6	0.8429066
ENSG00000160349	9	LCN1	138413284	rs56239374	9	138415201	G	C	0.429423	0.00418798	0.00812191	0.606107	0.887565	0.0953695	1.32E-20	0.00471851	0.00916481	0.6066577	0.5497129	7	0.92780325
ENSG00000122136	9	OBP2A	138437985	rs432243	9	138430098	T	G	0.722664	-0.0040911	0.00888322	0.645131	-0.837408	0.118034	1.30E-12	0.00488538	0.0106303	0.6458244	0.2773654	5	0.93485806
ENSG00000107147	9	KCNT1	138594031	rs11103189	9	138679863	G	A	0.228628	-0.0173958	0.0109026	0.110588	-0.316373	0.0496327	1.84E-10	0.0549851	0.0355244	0.1216678	0.3428869	20	0.65842282
ENSG00000213221	9	DNLZ	139253932	rs57052773	9	139385701	C	T	0.0367793	-0.0061314	0.0188263	0.744665	1.48306	0.187464	2.55E-15	-0.0041343	0.012705	0.7448734	0.4362883	6	0.94727701
ENSG00000148384	9	INPP5E	139323071	rs10735662	9	139327869	T	A	0.415507	-0.0013714	0.00851724	0.872085	-0.341723	0.0505107	1.33E-11	0.00401307	0.0249315	0.8721215	0.3646696	19	0.97703206
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-1.02817	0.0986335	1.92E-25	-0.0079698	0.0154916	0.6069328	0.09179579	6	0.92780325
ENSG00000177984	9	LCN15	139654086	rs11145876	9	139663458	G	A	0.770378	-0.0153388	0.00872395	0.0787082	-0.954028	0.0953449	1.43E-23	0.0160779	0.00928443	0.08332541	0.5851707	20	0.64379887
ENSG00000228544	9	KIAA1984-AS1	139698379	rs2811794	9	139700194	C	A	0.802187	0.00284849	0.0109772	0.795256	-0.58571	0.103304	1.43E-08	-0.0048633	0.0187613	0.7954654	0.2821841	3	0.95044568
ENSG00000184925	9	LCN12	139844003	rs11789276	9	139864107	C	T	0.263419	0.00264712	0.00906687	0.770321	-0.432713	0.0663577	6.99E-11	-0.0061175	0.0209745	0.7705443	0.8356315	20	0.94953271
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-1.20978	0.217038	2.49E-08	-0.0029589	0.0193843	0.8786778	0.7561013	4	0.97812135
ENSG00000268996	9	AL807752.1	139980807	rs10118245	9	139979592	T	C	0.32505	0.00098819	0.00853763	0.907855	0.546722	0.0626604	2.66E-18	0.00180747	0.0156174	0.9078629	0.6839257	11	0.97987891
ENSG00000176978	9	DPP7	140004994	rs13631	9	140006202	A	G	0.394632	-0.0034121	0.0082857	0.680486	-0.31763	0.0522251	1.19E-09	0.0107422	0.0261457	0.6811749	0.7471206	9	0.9461177
ENSG00000188986	9	NELFB	140149625	rs9330201	9	140142299	T	C	0.717694	-0.005977	0.00877902	0.495979	0.339392	0.0581184	5.23E-09	-0.017611	0.0260421	0.4988822	0.1355473	5	0.88426028
ENSG00000130653	9	PNPLA7	140354404	rs2254149	9	140441177	G	A	0.456262	0.00310473	0.00833949	0.709674	0.335697	0.0569084	3.66E-09	0.00924861	0.0248917	0.7102255	0.00119927	3	0.94727701
ENSG00000148408	9	CACNA1B	140772241	rs12001881	9	141014140	C	G	0.385686	-0.0061427	0.00916197	0.502566	0.153552	0.0280993	4.64E-08	-0.0400041	0.0601143	0.5057516	0.8943604	4	0.88426028
ENSG00000159247	9	TUBBP5	141044565	rs11515615	9	141060559	A	G	0.452286	0.00080903	0.00836349	0.922938	-0.479354	0.0741949	1.04E-10	-0.0016878	0.0174494	0.9229462	0.7141374	14	0.98275204
ENSG00000107959	10	PITRM1	3179920	rs76088740	10	3193412	T	C	0.0447316	0.0123085	0.0179728	0.493445	-1.25895	0.192332	5.92E-11	-0.0097768	0.0143539	0.4957939	0.7582489	20	0.88426028
ENSG00000237399	10	PITRM1-AS1	3183824	rs7898290	10	3188812	C	G	0.658052	-0.0002183	0.00847057	0.979437	-0.623291	0.0909111	7.08E-12	0.00035027	0.0135902	0.9794376	0.9987498	20	0.99593757
ENSG00000151632	10	AKR1C2	5029967	rs67362530	10	5043504	A	G	0.131213	-0.0031119	0.0120072	0.795503	1.23913	0.138056	2.82E-19	-0.0025114	0.00969406	0.7955865	0.5699391	10	0.95044568
ENSG00000176236	10	C10orf111	15137384	rs7897780	10	15141845	C	T	0.200795	0.0018196	0.010008	0.855728	-0.69897	0.11487	1.17E-09	-0.0026033	0.0143246	0.8557919	0.6334821	8	0.97038932
ENSG00000226083	10	SLC39A12-AS1	18290715	rs11012783	10	18425418	G	A	0.420477	-0.0124368	0.00811649	0.125452	0.564681	0.0812972	3.76E-12	-0.0220245	0.0147192	0.1345727	0.7179481	9	0.66377984
ENSG00000241058	10	NSUN6	18834490	rs7071897	10	18933802	A	G	0.537773	-0.0090923	0.00805408	0.258936	0.404517	0.068831	4.18E-09	-0.022477	0.0202744	0.2675855	0.0364836	20	0.77373906
ENSG00000233200	10	RP11-324I22.2	35508822	rs1362999	10	35752550	C	T	0.349901	0.00184	0.0087935	0.834257	0.649818	0.0987027	4.59E-11	0.00283156	0.0135391	0.8343391	0.9709551	13	0.95954475
ENSG00000271335	10	RP11-324I22.4	35603480	rs2474528	10	35664456	G	A	0.360835	0.00153019	0.00876768	0.861452	0.467708	0.0701684	2.64E-11	0.00327168	0.0187525	0.8614989	0.9822596	15	0.97305269
ENSG00000215146	10	RP11-313J2.1	42827314	rs56659317	10	42838399	A	G	0.586481	0.018125	0.00828981	0.0287852	0.854253	0.0834299	1.32E-24	0.0212174	0.00992294	0.03249934	0.7734725	20	0.49768191
ENSG00000182632	10	CCNYL2	42903616	rs2466482	10	42860042	A	G	0.234592	0.0123101	0.00944965	0.192676	0.612079	0.107932	1.42E-08	0.0201119	0.0158407	0.2042143	0.5856812	18	0.72293997
ENSG00000185904	10	LINC00839	42970991	rs1255403	10	42977729	G	A	0.622266	0.0021196	0.00857563	0.80478	-0.770467	0.110137	2.64E-12	-0.0027511	0.0111374	0.8048994	0.064432	20	0.95331821
ENSG00000169826	10	CSGALNACT2	43633934	rs10793422	10	43703874	A	G	0.171968	0.00866591	0.0101665	0.393992	0.783921	0.070379	8.14E-29	0.0110546	0.0130067	0.3953732	0.08643005	19	0.86386636
ENSG00000172661	10	FAM21C	46222648	rs199859824	10	46284412	A	G	0.180915	-0.0013632	0.0110017	0.901386	-0.698825	0.120908	7.48E-09	0.00195073	0.0157468	0.9014091	0.3098937	7	0.97987891
ENSG00000188234	10	AGAP4	46321042	rs11239565	10	46070771	T	C	0.23161	0.00102126	0.0100871	0.919357	-0.68524	0.115992	3.47E-09	-0.0014904	0.0147227	0.9193684	0.5683603	20	0.98087349
ENSG00000251079	10	BMS1P2	47228366	rs150648084	10	49205171	C	T	0.7833	0.0277651	0.0106133	0.00889529	0.732798	0.121018	1.40E-09	0.0378892	0.0157771	0.01632688	0.02474765	3	0.44186828
ENSG00000204152	10	TIMM23B	51371390	rs147927137	10	51770478	T	C	0.143141	0.00292012	0.00962858	0.761679	0.649975	0.0871869	8.99E-14	0.00449267	0.014826	0.7618703	0.7409204	15	0.94873228
ENSG00000204149	10	AGAP6	51748078	rs147927137	10	51770478	T	C	0.143141	0.00292012	0.00962858	0.761679	-0.390769	0.0697286	2.09E-08	-0.0074728	0.0246761	0.762017	0.7233547	9	0.94873228
ENSG00000188611	10	ASAH2	51942538	rs1133222	10	52516665	T	C	0.750497	0.00178985	0.00851157	0.833446	0.920269	0.0768335	4.66E-33	0.00194492	0.00925043	0.833471	0.3738954	20	0.95954475
ENSG00000204147	10	ASAH2B	52499078	rs61857104	10	52472802	C	T	0.257455	0.00618734	0.00934582	0.507943	-0.296499	0.0502018	3.50E-09	-0.020868	0.031718	0.5105876	0.8192339	6	0.88445069
ENSG00000185532	10	PRKG1	52750945	rs7893773	10	52916173	T	C	0.501988	-0.0179278	0.00808349	0.0265662	-0.447399	0.0655244	8.61E-12	0.0400712	0.018997	0.03491475	0.8189879	12	0.49917972
ENSG00000183346	10	C10orf107	63422719	rs12781756	10	63438614	G	A	0.0854871	-0.0190748	0.0112918	0.0911696	1.10267	0.116931	4.10E-21	-0.0172987	0.0104034	0.09635388	0.3768655	9	0.64481993
ENSG00000108187	10	PBLD	70042417	rs78041174	10	70038771	A	G	0.198807	-0.0056364	0.00909113	0.535266	0.408065	0.0583622	2.71E-12	-0.0138125	0.022366	0.536863	0.477536	20	0.8989244
ENSG00000138346	10	DNA2	70173821	rs61856469	10	70245489	G	T	0.0586481	-0.0290938	0.0163107	0.0744681	-0.800901	0.133262	1.86E-09	0.0363263	0.0212435	0.08726588	0.1978153	7	0.64379887
ENSG00000122912	10	SLC25A16	70237756	rs61856469	10	70245489	G	T	0.0586481	-0.0290938	0.0163107	0.0744681	0.91916	0.154436	2.65E-09	-0.0316526	0.018525	0.08751772	0.3055014	8	0.64379887
ENSG00000229261	10	RP11-227H15.4	70975089	rs12772710	10	70971615	T	C	0.240557	-0.008478	0.008835	0.337262	-0.764592	0.128387	2.59E-09	0.0110882	0.0117042	0.3434504	0.2555317	7	0.8363037
ENSG00000042286	10	AIFM2	71857979	rs1053105	10	71897998	T	C	0.366799	0.00686324	0.00873135	0.43184	-0.476927	0.0782192	1.08E-09	-0.0143905	0.018459	0.4356298	0.6280916	12	0.8760777
ENSG00000079332	10	SAR1A	71907045	rs28391623	10	71917017	A	G	0.440358	0.00129452	0.00805806	0.87237	0.400484	0.0626867	1.67E-10	0.00323239	0.0201272	0.8724098	0.1164014	11	0.97703206
ENSG00000196968	10	FUT11	75532049	rs7098444	10	75580042	T	C	0.621272	0.012441	0.00808547	0.123881	0.614253	0.109293	1.91E-08	0.0202539	0.0136475	0.1377895	0.7642411	6	0.66434762
ENSG00000148655	10	C10orf11	77360998	rs61866893	10	78189528	G	A	0.342942	-0.0168092	0.00851726	0.048434	-0.575572	0.0828494	3.73E-12	0.0292043	0.0153834	0.05763947	0.9714442	3	0.5969465
ENSG00000224596	10	ZMIZ1-AS1	80703085	rs10824709	10	80808527	C	T	0.654076	0.0173416	0.00832037	0.037139	-0.794606	0.0931859	1.50E-17	-0.0218242	0.0107793	0.04290514	0.2164335	7	0.5391837
ENSG00000185303	10	SFTPA2	81315608	rs1713379	10	81278000	A	G	0.370775	0.0150951	0.00839395	0.072124	-0.601531	0.101518	3.12E-09	-0.0250945	0.0145828	0.08528294	0.851071	19	0.64379887
ENSG00000188199	10	NUTM2B	81462983	rs10749148	10	81596500	T	G	0.576541	-0.0043351	0.00821124	0.59754	0.807018	0.102353	3.15E-15	-0.0053717	0.0101976	0.5983592	0.7983916	20	0.92181392
ENSG00000228570	10	NUTM2E	81601114	rs9783140	10	81570079	G	C	0.832008	-0.0090097	0.00948155	0.341991	-1.05143	0.120905	3.43E-18	0.00856903	0.00907144	0.3448551	0.98487	20	0.8363037
ENSG00000242600	10	MBL1P	81664654	rs45558131	10	81679949	A	G	0.111332	0.0130664	0.0140428	0.352128	0.809963	0.11534	2.18E-12	0.0161321	0.0174891	0.3563159	0.9588131	20	0.8429066
ENSG00000133661	10	SFTPD	81697496	rs2493723	10	81657122	G	A	0.550696	0.0184452	0.0080947	0.0226861	0.683639	0.0868972	3.63E-15	0.0269809	0.0123273	0.02861745	0.9401942	20	0.48674683
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	0.664323	0.0894741	1.13E-13	0.00994647	0.0187992	0.5967432	0.2310385	12	0.92181392
ENSG00000189129	10	PLAC9	81891438	rs61859978	10	81886241	A	C	0.16998	0.0185113	0.0121748	0.128394	-0.764975	0.114771	2.64E-11	-0.0241986	0.0163241	0.1382394	0.9888701	20	0.66434762
ENSG00000122359	10	ANXA11	81910645	rs9645553	10	81949685	C	T	0.238569	0.0100429	0.00965817	0.298416	-0.660702	0.0796424	1.08E-16	-0.0152003	0.0147324	0.302184	0.3586418	20	0.80715034
ENSG00000148600	10	CDHR1	85954410	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.535375	0.0787005	1.03E-11	-0.020568	0.0158273	0.1937634	0.5318365	3	0.71196715
ENSG00000148604	10	RGR	86004809	rs2279228	10	86004736	G	A	0.491054	0.00276043	0.0080484	0.731616	0.619265	0.0737783	4.71E-17	0.00445759	0.0130075	0.7318296	0.985268	16	0.94727701
ENSG00000122375	10	OPN4	88414314	rs3740335	10	88419641	A	G	0.137177	-0.0165227	0.0105841	0.118503	-1.08563	0.138681	4.95E-15	0.0152195	0.00994123	0.1257835	0.785542	7	0.65842282
ENSG00000122376	10	FAM35A	88853918	rs11202347	10	88909385	C	T	0.838966	0.0205469	0.0105303	0.0510305	-0.6285	0.108971	8.04E-09	-0.032692	0.0176875	0.06455739	0.6367404	5	0.61480595
ENSG00000184923	10	NUTM2A	88985205	rs2434109	10	89097057	C	T	0.813121	-0.007113	0.0106851	0.505607	0.9668	0.111899	5.62E-18	-0.0073573	0.0110848	0.506865	0.8852722	11	0.88426028
ENSG00000026103	10	FAS	90750414	rs6586165	10	90755056	A	T	0.468191	0.0096444	0.00808251	0.232774	0.686287	0.0696324	6.47E-23	0.014053	0.0118632	0.2361784	0.8680034	16	0.74370709
ENSG00000152778	10	IFIT5	91174343	rs2481931	10	91160092	A	G	0.246521	0.00753639	0.00963913	0.434301	-0.545436	0.0856057	1.87E-10	-0.0138172	0.0178049	0.4377296	0.5988779	11	0.8760777
ENSG00000232229	10	LINC00865	91589267	rs1326198	10	91597636	G	A	0.168986	-0.0070454	0.0110211	0.522651	1.28878	0.100192	7.27E-38	-0.0054667	0.00856213	0.523164	0.9025053	20	0.88902293
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.776683	0.0884258	1.59E-18	-0.0016373	0.0112258	0.8840418	0.7806768	17	0.9794845
ENSG00000187553	10	CYP26C1	94821021	rs12256889	10	94827183	C	A	0.671968	-0.0138368	0.00874677	0.113664	0.521632	0.0940676	2.93E-08	-0.026526	0.0174371	0.128199	0.2765372	5	0.65842282
ENSG00000148690	10	FRA10AC1	95427640	rs7909452	10	95467509	C	T	0.593439	0.0143573	0.00831018	0.0840466	-0.78003	0.0964016	5.90E-16	-0.0184061	0.0108938	0.09110621	0.8413999	20	0.64379887
ENSG00000171160	10	MORN4	99374310	rs11189303	10	99393234	A	G	0.213718	-0.0270449	0.00977719	0.00567283	-0.536467	0.0582673	3.35E-20	0.050413	0.0190299	0.00806956	0.2306494	9	0.37907695
ENSG00000119943	10	PYROXD2	100143322	rs4488133	10	100159136	T	A	0.33996	-0.0092443	0.00831678	0.266344	0.458701	0.0507741	1.65E-19	-0.0201531	0.0182679	0.2699396	0.6495813	17	0.77524138
ENSG00000095485	10	CWF19L1	101992055	rs34027394	10	101983816	A	G	0.427435	-0.0058891	0.00853016	0.489954	0.758109	0.0703922	4.78E-27	-0.0077681	0.011275	0.4908434	0.02072268	20	0.88426028
ENSG00000196072	10	BLOC1S2	102033713	rs6584357	10	102050344	T	A	0.0576541	0.00385282	0.017285	0.823614	-0.601674	0.0903726	2.78E-11	-0.0064035	0.0287443	0.8237108	0.00642513	7	0.95542705
ENSG00000075826	10	SEC31B	102246399	rs4919470	10	102298920	T	C	0.189861	0.0297706	0.00955082	0.00182659	-0.427205	0.0769	2.77E-08	-0.0696869	0.0256353	0.00655996	0.4016586	3	0.34980549
ENSG00000272572	10	RP11-179B2.2	102670860	rs12765046	10	102717733	A	G	0.44334	0.0150172	0.00807996	0.0630885	0.595572	0.091369	7.11E-11	0.0252148	0.0141074	0.07388285	0.1460526	6	0.61480595
ENSG00000186862	10	PDZD7	102767440	rs10883575	10	102785049	C	T	0.178926	0.00062446	0.0111193	0.955214	0.33842	0.060054	1.75E-08	0.00184523	0.0328581	0.9552163	0.4335642	4	0.99296872
ENSG00000269609	10	RP11-18I14.10	104209574	rs1133932	10	104215975	G	A	0.0944334	-0.0058032	0.0179323	0.746229	-0.856624	0.139338	7.86E-10	0.00677445	0.0209627	0.7465684	0.7232954	8	0.94727701
ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.510524	0.0744342	6.95E-12	0.00735444	0.0192766	0.7028161	0.1362545	8	0.94727701
ENSG00000214435	10	AS3MT	104629273	rs12416687	10	104629011	C	T	0.254473	-0.0074018	0.00965458	0.443281	-0.870348	0.106304	2.67E-16	0.00850445	0.0111413	0.4452691	0.3510337	20	0.8760777
ENSG00000065621	10	GSTO2	106028631	rs276203	10	106039303	G	A	0.366799	-0.0129619	0.00868259	0.135472	-0.742828	0.0742733	1.50E-23	0.0174494	0.0118181	0.1398089	0.05942185	20	0.66434762
ENSG00000228261	10	RP11-127L20.3	106083127	rs641071	10	106028157	T	G	0.395626	-0.0107766	0.00855879	0.207984	-0.660305	0.115768	1.17E-08	0.0163206	0.013274	0.2188756	0.02299963	12	0.7341265
ENSG00000119913	10	TECTB	114043493	rs74848039	10	114049630	T	C	0.0586481	0.0154633	0.0163312	0.343711	0.938723	0.151423	5.67E-10	0.0164727	0.017599	0.3492723	0.9384993	7	0.8363037
ENSG00000165806	10	CASP7	115438942	rs7918733	10	115439394	T	C	0.39662	0.00469551	0.00841353	0.576782	0.380149	0.0570084	2.59E-11	0.0123518	0.0222096	0.5781111	0.2415291	11	0.91214319
ENSG00000151892	10	GFRA1	117816444	rs11197567	10	117932193	A	G	0.228628	0.0121952	0.00967035	0.207276	-0.492984	0.0771677	1.68E-10	-0.0247375	0.0199945	0.2160066	0.5206167	8	0.7320182
ENSG00000238276	10	RP11-245J24.1	120001076	rs12254436	10	120020507	C	T	0.558648	0.0149919	0.00825875	0.06948	-0.404122	0.0614642	4.87E-11	-0.0370975	0.0212009	0.08015131	0.4492856	8	0.62753387
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.901026	0.0776372	3.86E-31	0.0123168	0.00911318	0.1765217	0.6023012	20	0.69192294
ENSG00000227165	10	WDR11-AS1	122521324	rs10788130	10	122705265	A	G	0.415507	-0.0014492	0.00826139	0.860754	-0.404775	0.0728365	2.74E-08	0.00358019	0.02042	0.8608223	0.4549552	13	0.97305269
ENSG00000120008	10	WDR11	122610687	rs12255539	10	122614377	A	G	0.157058	-0.0023013	0.012106	0.849233	-0.448093	0.0809579	3.11E-08	0.00513576	0.0270326	0.8493218	0.4378861	9	0.96559734
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-0.984009	0.0833398	3.58E-32	-0.0030687	0.0085354	0.7192024	0.1851201	20	0.94727701
ENSG00000107902	10	LHPP	126150403	rs113420616	10	126293897	T	G	0.290258	-0.0031818	0.00882094	0.71832	0.219455	0.0391536	2.08E-08	-0.0144984	0.0402779	0.7188774	0.8649413	8	0.94727701
ENSG00000203791	10	METTL10	126436718	rs2293064	10	126396511	G	C	0.34493	0.00713192	0.00850719	0.40184	0.386521	0.0622315	5.26E-10	0.0184516	0.0222092	0.406083	0.9901955	12	0.86982438
ENSG00000188690	10	UROS	127477146	rs4385801	10	127511790	T	G	0.441352	0.0199608	0.00814064	0.0142066	-0.662338	0.0517862	1.87E-37	-0.0301369	0.0125146	0.01603409	0.8425063	20	0.44186828
ENSG00000170430	10	MGMT	131265448	rs1008982	10	131445731	C	T	0.380716	0.0127442	0.00820274	0.120268	-0.580933	0.0723287	9.60E-16	-0.0219375	0.0143817	0.1271654	0.7506945	20	0.65842282
ENSG00000188385	10	JAKMIP3	133918175	rs7096456	10	133953469	T	C	0.33499	-0.0003402	0.0084391	0.96784	0.544234	0.0573621	2.36E-21	-0.0006252	0.0155065	0.9678404	0.2287311	17	0.99493047
ENSG00000235010	10	RP11-140A10.3	133994729	rs2818402	10	134035809	C	T	0.789264	-0.0102372	0.00996969	0.3045	-0.740542	0.122581	1.53E-09	0.0138239	0.0136558	0.3113881	0.5369337	7	0.81378166
ENSG00000148814	10	LRRC27	134145614	rs56678407	10	134167502	A	C	0.11829	-0.0091651	0.0115163	0.426127	1.06726	0.119363	3.85E-19	-0.0085875	0.0108332	0.4279502	0.7012296	20	0.8760777

ENSG00000229081	10	RP11-432J24.6	134334331	rs4293055	10	134323744	A	G	0.4334	0.00012833	0.00822394	0.98755	0.620858	0.111167	2.34E-08	0.0002067	0.0132461	0.9875501	0.0267864	8	0.99593757
ENSG00000240707	10	RP13-137A17.6	134779038	rs5025579	10	134798538	T	C	0.61829	-0.0147161	0.00811316	0.0696996	-0.359219	0.0636241	1.64E-08	0.0409669	0.0237225	0.08418134	0.9724192	11	0.64379887
ENSG00000148832	10	PAOX	135192695	rs4240520	10	135197419	A	G	0.870775	0.0102825	0.0128112	0.422194	0.552142	0.0939512	4.18E-09	0.0186229	0.0234181	0.4264762	0.4552937	3	0.8760777
ENSG00000148824	10	MTG1	135207598	rs2297031	10	135232654	T	C	0.222664	-0.0004777	0.010111	0.962318	0.878423	0.0976946	2.44E-19	-0.0005438	0.0115106	0.9623183	0.3892847	11	0.99296872
ENSG00000214279	10	RP11-108K14.4	135267432	rs2249421	10	135256762	A	G	0.733598	-0.0039353	0.00941546	0.675974	0.553932	0.0869257	1.86E-10	-0.0071043	0.017034	0.676629	0.2888406	10	0.94479053
ENSG00000185627	11	PSMD13	236546	rs10794304	11	246456	A	G	0.729622	-0.0042488	0.00944205	0.65272	-0.516621	0.0651443	2.18E-15	0.00822421	0.0183059	0.653241	0.9401796	13	0.93515218
ENSG00000142102	11	ATHL1	289135	rs78662554	11	297601	T	A	0.319085	-0.0033047	0.00843174	0.695108	0.52715	0.0715276	1.71E-13	-0.0062689	0.0160176	0.695517	0.00770187	12	0.94727701
ENSG00000185201	11	IFITM2	307631	rs111412325	11	307539	A	G	0.0636183	0.0092878	0.0176808	0.599373	0.618998	0.103689	2.38E-09	0.0150046	0.028674	0.6007778	0.5042324	4	0.92387732
ENSG00000251661	11	RP11-326C3.11	318640	rs7931303	11	325249	G	A	0.675944	0.00613218	0.00941316	0.514758	-0.466341	0.0717023	7.83E-11	-0.0131496	0.0202861	0.516853	0.7169991	10	0.88902293
ENSG00000255328	11	RP11-326C3.12	327171	rs11246067	11	326564	T	A	0.417495	0.00697197	0.00808765	0.388659	0.799313	0.0906065	1.13E-18	0.00872245	0.0101664	0.3909119	0.7183994	15	0.86143514
ENSG00000270972	11	RP11-326C3.15	333192	rs7944394	11	323649	T	C	0.429423	0.010786	0.00810921	0.183489	0.696121	0.0832617	6.24E-17	0.0154944	0.0117956	0.1889898	0.665996	18	0.70631233
ENSG00000185187	11	SIGIRR	405716	rs10902159	11	406615	T	C	0.177932	0.0039352	0.011522	0.732698	-0.605137	0.087175	3.88E-12	-0.006503	0.0190633	0.7330093	0.1197117	3	0.94727701
ENSG00000177042	11	TMEM80	695428	rs12277188	11	688091	T	C	0.492048	-0.0030327	0.0080503	0.706379	-0.765783	0.0757975	5.36E-24	0.0039603	0.0105198	0.7065742	0.8914463	20	0.94727701
ENSG00000255284	11	AP006621.5	777578	rs4963153	11	791462	A	G	0.455268	-0.0015518	0.00810792	0.848218	0.526494	0.0821239	1.45E-10	-0.0029474	0.0154067	0.8482854	0.3009638	13	0.96559734
ENSG00000254872	11	RP13-870H17.3	1049880	rs74330548	11	1050719	T	C	0.120278	-0.0041593	0.0149078	0.780243	0.602557	0.110252	4.62E-08	-0.0069027	0.0247731	0.7805226	0.1564488	10	0.94953271
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.701887	0.0571775	1.23E-34	0.0141798	0.0118914	0.2330891	0.7122522	20	0.73936462
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-1.18822	0.104244	4.26E-30	-0.0004287	0.00918407	0.9627715	0.8557196	6	0.99296872
ENSG00000226416	11	MRPL23-AS1	2004467	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.873539	0.1237	1.64E-12	-0.0005831	0.0124927	0.962772	0.7694546	3	0.99296872
ENSG00000005801	11	ZNF195	3360491	rs7125522	11	3403616	C	A	0.698807	0.00240278	0.00875771	0.783807	0.53972	0.0793627	1.04E-11	0.0044519	0.0162396	0.7839781	0.1346067	9	0.94953271
ENSG00000223756	11	TSSC2	3402191	rs12789047	11	3404991	C	T	0.12326	-0.0069501	0.0116656	0.551323	-0.989449	0.168876	4.66E-09	0.00702419	0.0118508	0.5533691	0.8789868	8	0.90831717
ENSG00000167311	11	ART5	3659733	rs3813888	11	3663422	G	A	0.409543	-0.004291	0.00866927	0.620623	-0.644088	0.107132	1.83E-09	0.00666215	0.0135053	0.6218014	0.8194149	10	0.92817169
ENSG00000167325	11	RRM1	4115937	rs11031110	11	4162652	C	G	0.348907	0.00288719	0.00819984	0.724761	0.351145	0.0633502	2.97E-08	0.00822222	0.0233988	0.7252921	0.4076099	11	0.94727701
ENSG00000166341	11	DCHS1	6642556	rs12288043	11	6676285	G	A	0.181909	-0.0168621	0.00917604	0.066118	0.426567	0.0640833	2.81E-11	-0.0395298	0.022316	0.07650054	0.9330477	3	0.61606353
ENSG00000175390	11	EIF3F	7991798	rs12294650	11	8023690	A	G	0.156064	0.0105999	0.0111299	0.340907	0.400564	0.0612694	6.25E-11	0.0264624	0.0280788	0.3459708	0.3386817	8	0.8363037
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	0.727331	0.104677	3.70E-12	0.015939	0.0144331	0.2694481	0.3706379	20	0.77495787
ENSG00000177112	11	MRVI1-AS1	10562819	rs1462941	11	10563090	T	G	0.0954274	-0.0038471	0.0149741	0.797244	-1.01846	0.149701	1.02E-11	0.00377736	0.0147132	0.7973847	0.7074802	7	0.95044568
ENSG00000072952	11	MRVI1	10594638	rs11042916	11	10705161	T	C	0.269384	0.028586	0.00918496	0.00185661	-0.320958	0.047612	1.57E-11	-0.0890646	0.03152	0.00471846	0.6066215	5	0.28633186
ENSG00000197702	11	PARVA	12398732	rs11022331	11	12399750	A	G	0.895626	0.00292968	0.0134111	0.827077	-0.36966	0.065603	1.75E-08	-0.0079253	0.0363068	0.8272048	0.6483831	3	0.95665234
ENSG00000006071	11	ABCC8	17414432	rs985136	11	17497794	G	C	0.486083	0.00201342	0.00865299	0.816006	0.383049	0.0514969	1.02E-13	0.0052563	0.0226008	0.8160945	0.2590239	4	0.95331821
ENSG00000166788	11	SAAL1	18091482	rs10832880	11	18079295	C	T	0.262425	0.00497118	0.0089861	0.580122	-0.746302	0.109914	1.12E-11	-0.0066611	0.0120807	0.5813728	0.9601849	14	0.91214319
ENSG00000110768	11	GTF2H1	18343842	rs4150655	11	18375164	T	A	0.71173	-0.0055362	0.00889519	0.533692	0.307345	0.0533441	8.33E-09	-0.0180129	0.0291104	0.536061	0.4867886	5	0.89859673
ENSG00000166796	11	LDHC	18433854	rs78454952	11	18438770	A	G	0.115308	0.0310757	0.0137691	0.0240138	1.70745	0.150947	1.15E-29	0.0182001	0.00822308	0.02687757	0.7853757	20	0.47888085
ENSG00000166800	11	LDHAL6A	18477371	rs4757666	11	18480499	A	G	0.303181	0.0206672	0.00936134	0.0272634	0.642978	0.105973	1.30E-09	0.0321429	0.0154932	0.03801934	0.4288873	6	0.50611661
ENSG00000109854	11	HTATIP2	20385231	rs10437608	11	20385606	A	G	0.538767	0.0017171	0.00807793	0.831665	0.398584	0.0616701	1.03E-10	0.004308	0.0202775	0.8317545	0.4921637	8	0.95954475
ENSG00000171714	11	ANO5	22214722	rs4304773	11	22212033	C	G	0.799205	0.00836771	0.0103109	0.417054	-0.386722	0.0571712	1.34E-11	-0.0216375	0.0268535	0.4203801	0.2215309	4	0.8760777
ENSG00000169519	11	METTL15	28129795	rs11602768	11	28351786	A	G	0.244533	0.00575203	0.0089748	0.521581	-0.49492	0.0760916	7.81E-11	-0.0116221	0.0182217	0.5235908	0.7530627	10	0.88902293
ENSG00000242353	11	RP4-710M3.1	30389695	rs654710	11	30394303	G	A	0.754473	-0.0015086	0.0100732	0.880955	0.863934	0.120645	8.01E-13	-0.0017461	0.0116622	0.8809808	0.5297486	12	0.97812135
ENSG00000149089	11	APIP	34874641	rs3852516	11	34964491	G	A	0.328032	0.00359698	0.00922847	0.696707	1.03954	0.0745587	3.49E-44	0.00346016	0.00888092	0.6968193	0.0627202	20	0.94727701
ENSG00000149084	11	HSD17B12	43577986	rs57635800	11	43878485	A	G	0.303181	0.0046287	0.00878739	0.598372	-0.641726	0.0696803	3.27E-20	-0.0072129	0.0137157	0.5989688	0.3495432	12	0.92181392
ENSG00000110455	11	ACCS	44087475	rs178525	11	44099858	A	G	0.745527	-0.0035522	0.00924429	0.700784	0.626508	0.0887859	1.71E-12	-0.0056699	0.0147771	0.7012048	0.4681062	20	0.94727701
ENSG00000254664	11	CTD-2560E9.3	45237366	rs80330975	11	45239162	G	C	0.136183	0.00911433	0.0112234	0.416746	-0.640475	0.106373	1.73E-09	-0.0142306	0.0176822	0.4209376	0.7810023	11	0.8760777
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	1.08378	0.125383	5.44E-18	-0.0070824	0.0100541	0.4811686	0.2770208	15	0.88426028
ENSG00000205106	11	CTD-2210P24.4	45792983	rs11038665	11	45830198	G	A	0.744533	-0.0122416	0.0088845	0.168246	-0.517333	0.0745964	4.06E-12	0.0236629	0.0175093	0.1765528	0.06514972	19	0.69192294
ENSG00000205035	11	RP11-707M1.1	49580098	rs1851864	11	49963349	G	A	0.592445	0.00961404	0.00817817	0.239765	0.52008	0.0570299	7.55E-20	0.0184857	0.0158549	0.2436443	0.1929077	17	0.75324972
ENSG00000255190	11	TRIM51DP	49896497	rs11040513	11	49778153	C	G	0.531809	0.00585095	0.00805622	0.467677	0.809024	0.0997718	5.11E-16	0.00723211	0.00999781	0.469453	0.5548838	7	0.88426028
ENSG00000149150	11	SLC43A1	57252007	rs1001956	11	57266949	G	C	0.769384	-0.004897	0.00967587	0.612781	-0.422284	0.0744541	1.41E-08	0.0115965	0.0230042	0.614188	0.4031425	15	0.92780325
ENSG00000134809	11	TIMM10	57295936	rs2729371	11	57321322	C	T	0.797217	0.00749654	0.0105169	0.475965	-0.534709	0.0725451	1.70E-13	-0.0140199	0.0197602	0.478015	0.08701859	15	0.88426028
ENSG00000013725	11	CD6	60739115	rs2074227	11	60776781	C	T	0.357853	-0.0147868	0.0093533	0.113896	-0.883152	0.0793429	8.88E-29	0.0167432	0.0106971	0.1175338	0.5298099	20	0.65506833
ENSG00000162174	11	ASRGL1	62104920	rs2513082	11	62090509	A	T	0.588469	-0.001229	0.00827324	0.881912	-0.268131	0.0426285	3.18E-10	0.00458339	0.0308638	0.8819452	0.6562183	4	0.97812135
ENSG00000149743	11	TRPT1	63991271	rs11549691	11	63993287	T	C	0.0636183	0.00146154	0.0182843	0.93629	-0.695996	0.107335	8.91E-11	-0.0020999	0.0262727	0.9362945	0.4518526	7	0.99029499
ENSG00000257086	11	RP11-783K16.13	64014411	rs7111278	11	64016284	A	G	0.178926	0.0119284	0.0105703	0.259112	0.890968	0.120203	1.24E-13	0.0133881	0.0120005	0.2645818	0.4997146	20	0.77289867
ENSG00000219435	11	TEX40	64067863	rs11606014	11	64041817	T	C	0.164016	0.0151216	0.0109401	0.166904	-0.702791	0.100956	3.37E-12	-0.0215165	0.0158705	0.1751784	0.5710537	19	0.68987422
ENSG00000255200	11	AP003068.18	64941588	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-0.819235	0.105056	6.29E-15	0.0152458	0.0109846	0.1651589	0.02316714	14	0.67326138
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-1.1828	0.116185	2.43E-24	0.0105596	0.00755821	0.1623826	0.0717563	14	0.67326138
ENSG00000214659	11	KRT8P26	65494410	rs501337	11	65561368	T	C	0.213718	-0.0053156	0.0108525	0.624277	-0.434782	0.0790891	3.86E-08	0.0122258	0.0250597	0.6256434	0.2908617	3	0.92817169
ENSG00000255120	11	RP11-770G2.4	65556522	rs642803	11	65560620	T	C	0.457256	-0.0042342	0.00825561	0.608031	0.523815	0.0914745	1.03E-08	-0.0080834	0.0158236	0.6094629	0.8179114	5	0.92780325
ENSG00000172803	11	SNX32	65601112	rs58568715	11	65662985	G	A	0.163022	0.00772071	0.011677	0.508492	0.760545	0.0818335	1.49E-20	0.0101515	0.0153923	0.5095602	0.7438746	15	0.88426028
ENSG00000172500	11	FIBP	65651212	rs585557	11	65663547	G	A	0.193837	0.0123575	0.0109253	0.258018	0.335532	0.0579425	7.01E-09	0.0368296	0.0331765	0.2669509	0.2536478	5	0.77341281
ENSG00000255320	11	RP11-755F10.1	66012311	rs2282568	11	66052832	G	C	0.173956	-0.0285757	0.0105717	0.00687084	1.24761	0.13091	1.57E-21	-0.0229044	0.00880779	0.00930975	0.05076614	16	0.3871142
ENSG00000174165	11	ZDHHC24	66288108	rs3179961	11	66244454	G	A	0.243539	0.00133596	0.00831735	0.87239	-0.681878	0.109573	4.88E-10	-0.0019592	0.0122018	0.8724322	0.4546171	12	0.97703206
ENSG00000173715	11	C11orf80	66511922	rs35287213	11	66569509	T	G	0.111332	0.0100335	0.0223793	0.653909	-0.642748	0.115642	2.73E-08	-0.0156103	0.0349312	0.6549567	0.202789	3	0.93515218
ENSG00000173156	11	RHOD	66824289	rs114895445	11	66824261	T	C	0.0745527	0.0203874	0.0152377	0.18091	-0.720399	0.116705	6.71E-10	-0.0283001	0.0216429	0.1910109	0.2699703	9	0.70839193
ENSG00000084207	11	GSTP1	67351066	rs4930444	11	67342580	A	G	0.411531	0.00208487	0.00848228	0.805844	-0.310837	0.042204	1.77E-13	-0.0067073	0.0273037	0.8059497	0.08944639	13	0.95331821
ENSG00000250508	11	RP11-757G1.6	68638132	rs569445	11	68661575	C	T	0.579523	0.00032056	0.00831119	0.969233	-0.504541	0.0896673	1.84E-08	-0.0006354	0.0164732	0.9692342	0.3529174	7	0.99493047
ENSG00000197345	11	MRPL21	68658744	rs2444765	11	68655063	A	C	0.300199	-0.0082148	0.00832727	0.323894	-0.861772	0.0681242	1.12E-36	0.00953239	0.0096923	0.3253605	0.6163029	20	0.82362657
ENSG00000132740	11	IGHMBP2	68671310	rs583182	11	68678634	T	C	0.300199	-0.0080586	0.00832971	0.333319	0.504722	0.0609058	1.16E-16	-0.0159664	0.0166156	0.3365903	0.891581	20	0.83103105
ENSG00000254682	11	RP11-660L16.2	71159720	rs11233747	11	71171642	A	G	0.700795	0.00740373	0.00824541	0.369227	1.02731	0.0834208	7.54E-35	0.00720691	0.00804752	0.3704964	0.2589762	18	0.84538623
ENSG00000244411	11	KRTAP5-7	71238313	rs4304798	11	71225094	A	G	0.742545	0.00550635	0.00857308	0.52069	0.598599	0.0887272	1.51E-11	0.00919873	0.0143867	0.5225675	0.410308	11	0.88902293
ENSG00000254997	11	KRTAP5-9	71259466	rs11234027	11	71234107	A	G	0.191849	-0.0062493	0.00907094	0.490865	0.736146	0.122601	1.92E-09	-0.0084892	0.012403	0.4936951	0.8663022	3	0.88426028
ENSG00000227467	11	RP11-169D4.1	72281704	rs61522071	11	72283586	T	G	0.382704	0.00657489	0.00873393	0.451571	0.532994	0.0861633	6.18E-10	0.0123358	0.0165074	0.4548914	0.4156546	3	0.87797516
ENSG00000175575	11	PAAF1	73587744	rs60863026	11	73633779	A	G	0.0815109	-0.0106365	0.0179451	0.553365	-0.884328	0.0959481	3.06E-20	0.0120278	0.0203343	0.5541837	0.7832269	7	0.90889812
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.23726	0.0804223	2.08E-53	0.00076336	0.00692078	0.9121718	0.49876	20	0.97987891
ENSG00000241170	11	RP11-147I3.1	74587331	rs11236264	11	74593134	G	A	0.284294	0.00171512	0.00855799	0.841159	-0.701169	0.0807974	4.02E-18	-0.0024461	0.0122086	0.8412005	0.6167666	20	0.96549656
ENSG00000261594	11	TPBGL	74951950	rs2712811	11	74864729	A	G	0.620278	9.45E-06	0.00840077	0.999102	-0.331851	0.059001	1.86E-08	-2.85E-05	0.0253149	0.9991022	0.1396686	8	0.9991022
ENSG00000149273	11	RPS3	75110530	rs373711199	11	75121187	T	G	0.0536779	0.00788547	0.0142476	0.579949	-0.469732	0.0759825	6.33E-10	-0.0167872	0.0304526	0.581459	0.1941686	5	0.91214319
ENSG00000255135	11	RP11-111M22.3	76152382	rs113130900	11	76152515	T	C	0.0457256	0.0113897	0.0176949	0.519788	-1.03365	0.151123	7.93E-12	-0.0110189	0.0171945	0.5216267	0.4488973	4	0.88902293
ENSG00000159063	11	ALG8	77811982	rs7101694	11	77853896	T	C	0.464215	0.0142124	0.00807694	0.0784711	0.659941	0.0854851	1.16E-14	0.0215359	0.0125528	0.08623069	0.2641384	17	0.64379887
ENSG00000246174	11	KCTD21-AS1	77850817	rs1263724	11	77866798	T	C	0.527833	-0.015507	0.00807165	0.0547104	1.02748	0.0857043	4.07E-33	-0.0150923	0.007956	0.0578324	0.1820896	20	0.5969465
ENSG00000188997	11	KCTD21	77882295	rs11237401	11	77839038	G	A	0.459245	0.0142898	0.00806922	0.0765773	0.637016	0.0808348	3.26E-15	0.0224324	0.0129831	0.08402177	0.09954662	20	0.64379887
ENSG00000137513	11	NARS2	78147007	rs4945303	11	78283803	G	A	0.767396	-0.0032601	0.00888911	0.713809	0.695245	0.0889569	5.47E-15	-0.0046891	0.0127996	0.7141089	0.07711742	16	0.94727701
ENSG00000245832	11	RP11-179A16.1	81590893	rs17144191	11	82430661	T	C	0.176938	0.00611206	0.0100781	0.544203	0.66647	0.119444	2.41E-08	0.0091708	0.0152107	0.5465628	0.6590046	5	0.90344232
ENSG00000182919	11	C11orf54	93474757	rs601711	11	93564393	T	C	0.641153	0.00428716	0.00847122	0.612796	-0.363149	0.0565704	1.37E-10	-0.0118055	0.0233995	0.6138961	0.3173205	8	0.92780325
ENSG00000020922	11	MRE11A	94152895	rs10831225	11	94146177	C	A	0.359841	-0.0104454	0.00831707	0.209152	0.68081	0.087485	7.14E-15	-0.0153426	0.0123745	0.2150284	0.6879382	20	0.7320182
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	0.935954	0.09164	1.73E-24	0.0117594	0.0130497	0.367521	0.9362281	11	0.84538623
ENSG00000137713	11	PPP2R1B	111597632	rs1529330	11	111652323	C	T	0.305169	0.00945582	0.00825958	0.25228	-0.463569	0.0705984	5.16E-11	-0.0203979	0.0180861	0.2593971	0.5066018	14	0.77251343
ENSG00000197580	11	BCO2	112046190	rs11214138	11	112084061	C	T	0.262425	-0.0020484	0.00914525	0.822767	-0.478587	0.0821234	5.62E-09	0.00428014	0.019123	0.8228958	0.9850282	5	0.95542705
ENSG00000149292	11	TTC12	113185251	rs11214587	11	113232422	G	T	0.465209	-0.0173888	0.00811857	0.0322055	-0.707486	0.0689157	1.00E-24	0.0245783	0.0117223	0.03601951	0.3818782	20	0.50611661
ENSG00000166682	11	TMPRSS5	113558272	rs7114297	11	113591402	A	G	0.302187	0.00285356	0.00860488	0.740176	0.383649	0.0654256	4.52E-09	0.00743794	0.0224649	0.7405749	0.5380594	8	0.94727701
ENSG00000254851	11	RP11-109L13.1	117006244	rs634960	11	117072963	C	T	0.260437	-0.006058	0.00884218	0.493269	1.01208	0.106248	1.64E-21	-0.0059856	0.00875921	0.494383	0.7165358	20	0.88426028
ENSG00000255274	11	TMPRSS4-AS1	117886487	rs948460	11	117960018	T	A	0.27833	0.00325663	0.00874631	0.709637	0.694241	0.115599	1.91E-09	0.00469092	0.0126226	0.7101686	0.3163468	7	0.94727701
ENSG00000196655	11	TRAPPC4	118889142	rs569	11	118894287	G	A	0.227634	-0.0046618	0.00953482	0.624895	0.837925	0.0907638	2.66E-20	-0.0055635	0.011395	0.6253794	0.02951504	11	0.92817169
ENSG00000160695	11	VPS11	118938403	rs3825061	11	118944675	T	C	0.348907	-0.0060586	0.00885638	0.493912	-0.391216	0.0653604	2.16E-09	0.0154867	0.0227855	0.4967108	0.1506849	6	0.88426028
ENSG00000254854	11	CTD-2523D13.2	119600293	rs10892446	11	119611734	G	A	0.518887	-0.0023321	0.00806519	0.772462	-0.591906	0.103105	9.42E-09	0.00394	0.0136431	0.772741	0.847549	8	0.94953271
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.90213	0.0954617	3.38E-21	-0.0052053	0.00973624	0.5929023	0.1888069	7	0.92100121
ENSG00000064309	11	CDON	125825691	rs7124748	11	125846293	C	T	0.380716	0.0103081	0.0082365	0.210747	0.611926	0.0656349	1.13E-20	0.0168453	0.0135807	0.2148316	0.3687411	19	0.7320182
ENSG00000110074	11	FOXRED1	126138950	rs685409	11	126130232	T	C	0.776342	0.0191431	0.00973529	0.0492572	0.528532	0.0614103	7.53E-18	0.0362194	0.0188941	0.05524231	0.8254754	20	0.5969465
ENSG00000150455	11	TIRAP	126152960	rs588361	11	126084834	A	G	0.565606	0.0109579	0.00807216	0.174623	-0.498252	0.0908868	4.20E-08	-0.0219927	0.0166903	0.1876056	0.2923688	3	0.70592061
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.61709	0.0627029	7.46E-23	0.00384905	0.0131154	0.7691594	0.3989715	20	0.94953271
ENSG00000204241	11	RP11-713P17.3	133902167	rs1144231	11	133909341	C	T	0.164016	-0.0096645	0.0104818	0.356517	0.600078	0.0900627	2.68E-11	-0.0161054	0.0176338	0.3610735	0.4408892	3	0.8429066
ENSG00000255545	11	RP11-627G23.1	134306367	rs4937894	11	134333360	G	A	0.715706	-0.0109829	0.00998614	0.271414	-0.813989	0.0877103	1.69E-20	0.0134927	0.012354	0.2747577	0.6358379	6	0.77954811
ENSG00000120647	12	CCDC77	498439	rs2253565	12	497910	G	T	0.781312	0.0185226	0.0087749	0.034784	0.63663	0.112537	1.54E-08	0.0290948	0.0147116	0.04796592	0.5423044	18	0.57010096
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.834639	0.13108	1.92E-10	-0.0189581	0.013016	0.1452467	0.9722843	20	0.66799939
ENSG00000078246	12	TULP3	2986389	rs4572194	12	3019122	G	T	0.417495	0.00047837	0.00825735	0.953802	-0.263961	0.0413966	1.81E-10	-0.0018123	0.0312838	0.9538044	0.8010956	7	0.99296872
ENSG00000111254	12	AKAP3	4724674	rs4766266	12	4749595	C	G	0.525845	-0.0023205	0.00828649	0.779451	0.539663	0.072739	1.18E-13	-0.0042999	0.0153659	0.7796033	0.7826455	11	0.94953271
ENSG00000111321	12	LTBR	6484211	rs2364484	12	6511996	A	C	0.732604	-0.0154722	0.00949306	0.103135	-0.363907	0.0473992	1.62E-14	0.0425169	0.0266678	0.1108657	0.9690741	14	0.64481993
ENSG00000256433	12	RP1-102E24.8	6503071	rs4020660	12	6511657	A	G	0.446322	-0.0039142	0.00817615	0.632125	-0.552766	0.0944889	4.91E-09	0.00708117	0.0148408	0.6332606	0.0235548	3	0.93051058
ENSG00000215039	12	CD27-AS1	6548167	rs111922468	12	6556078	T	C	0.17495	-0.0010177	0.0108375	0.925186	0.664677	0.0880319	4.34E-14	-0.0015311	0.0163062	0.9251915	0.3152127	4	0.98298483
ENSG00000139192	12	TAPBPL	6560856	rs2532519	12	6586136	G	C	0.32008	0.00403511	0.00864983	0.640861	0.508946	0.0583884	2.87E-18	0.00792837	0.0170199	0.6413377	0.7318112	16	0.93476849
ENSG00000111664	12	GNB3	6949118	rs1047776	12	6948692	G	A	0.645129	-0.0026755	0.00817768	0.743536	-0.433773	0.0562549	1.25E-14	0.00616804	0.0188694	0.7437582	0.04527122	13	0.94727701
ENSG00000111665	12	CDCA3	6953957	rs5441	12	6949026	G	A	0.652087	-0.0026188	0.00819645	0.749345	-0.445315	0.0654489	1.02E-11	0.00588076	0.0184262	0.7496118	0.1660621	13	0.94873228
ENSG00000111671	12	SPSB2	6980099	rs6489739	12	6982347	C	A	0.309145	-0.0029176	0.0093314	0.754534	0.819852	0.07728	2.71E-26	-0.0035587	0.0113868	0.7546377	0.7057123	14	0.94873228
ENSG00000240370	12	RPL13P5	6982553	rs66621175	12	6965805	C	T	0.318091	-0.0009752	0.00915466	0.915167	0.625691	0.0948381	4.18E-11	-0.0015586	0.0146332	0.915178	0.8887313	9	0.97987891
ENSG00000010626	12	LRRC23	6982733	rs2239163	12	7014076	G	C	0.297217	-0.004683	0.00940127	0.618399	0.538148	0.073516	2.48E-13	-0.008702	0.0175101	0.6192105	0.6294605	12	0.92780325
ENSG00000248593	12	DSTNP2	6993846	rs7306727	12	7039754	C	T	0.301193	0.00225469	0.00921006	0.806606	0.496878	0.085623	6.51E-09	0.00453771	0.0185523	0.8067741	0.523422	7	0.95331821
ENSG00000139197	12	PEX5	7341281	rs10161170	12	7368629	C	T	0.271372	-0.0066475	0.00855152	0.436952	-0.64502	0.0789055	2.97E-16	0.0103059	0.0133176	0.4390138	0.1302828	12	0.8760777
ENSG00000164845	12	FAM86FP	8385108	rs2968741	12	8386857	C	G	0.800199	0.0209727	0.0104755	0.0452762	-0.822679	0.12734	1.04E-10	-0.0254932	0.0133308	0.05583124	0.07643072	7	0.5969465
ENSG00000226091	12	LINC00937	8448582	rs9706564	12	8553785	T	C	0.549702	-0.0006542	0.0082879	0.937086	0.544756	0.0914334	2.55E-09	-0.0012009	0.0152153	0.9370911	0.00775087	5	0.99029499
ENSG00000139187	12	KLRG1	9102640	rs7136774	12	9178852	T	G	0.262425	4.88E-05	0.00908693	0.995714	0.612485	0.0788583	8.04E-15	7.97E-05	0.0148362	0.9957144	0.7144487	6	0.99820764
ENSG00000256427	12	RP11-118B22.4	9399093	rs717179	12	9395908	G	A	0.629225	-0.015046	0.00868071	0.0830482	-0.659897	0.0895135	1.68E-13	0.0228005	0.0135133	0.09155318	0.8603331	20	0.64379887
ENSG00000111788	12	RP11-22B23.1	9429831	rs6487748	12	9435768	G	A	0.462227	-0.0034496	0.00809668	0.670071	-1.05158	0.0854608	8.53E-35	0.00328039	0.00770415	0.6702574	0.1135626	20	0.94200099
ENSG00000214826	12	DDX12P	9570309	rs6487748	12	9435768	G	A	0.462227	-0.0034496	0.00809668	0.670071	-0.485803	0.0876472	2.98E-08	0.0071008	0.0167158	0.6709848	0.271855	7	0.94200099
ENSG00000214776	12	RP11-726G1.1	9620148	rs55655311	12	9624045	T	C	0.457256	-0.0072471	0.00816803	0.374943	-0.708506	0.0937602	4.14E-14	0.0102287	0.0116077	0.3782097	0.904469	20	0.85280884
ENSG00000184293	12	CLECL1	9868456	rs11052710	12	9876350	T	C	0.496024	0.00866787	0.00807969	0.283362	-0.638387	0.106223	1.86E-09	-0.0135778	0.0128565	0.290921	0.2360027	3	0.79609866
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.73787	0.244102	1.08E-12	-0.0079783	0.0109934	0.4680007	0.4891018	9	0.88426028
ENSG00000205810	12	KLRC3	10564911	rs12824247	12	10552299	C	G	0.156064	0.0107718	0.0111209	0.332743	0.564462	0.0898538	3.34E-10	0.0190833	0.0199346	0.3384178	0.01241414	8	0.83358092
ENSG00000205809	12	KLRC2	10579453	rs12318583	12	10579084	G	A	0.178926	0.00805779	0.0103332	0.435513	-1.02084	0.114012	3.43E-19	-0.0078933	0.0101606	0.437244	0.02901086	20	0.8760777
ENSG00000134545	12	KLRC1	10594863	rs73070541	12	10668652	A	G	0.177932	-0.0213246	0.0121573	0.07942	1.20653	0.145491	1.11E-16	-0.0176743	0.0102992	0.08614568	0.4779846	8	0.64379887
ENSG00000111215	12	PRR4	10977559	rs7313683	12	11272192	G	T	0.404573	-0.001258	0.00843187	0.881397	-0.500824	0.0905523	3.19E-08	0.0025119	0.0168421	0.88144	0.9374438	7	0.97812135
ENSG00000231887	12	PRH1	11033610	rs10743931	12	11023567	G	A	0.848907	0.00671572	0.0142251	0.636854	-1.17444	0.132407	7.32E-19	-0.0057182	0.0121294	0.6373292	0.2954923	20	0.93282679
ENSG00000121335	12	PRB2	11544476	rs2965706	12	11592075	T	G	0.259443	-0.0193768	0.00954074	0.04226	0.477605	0.0851404	2.03E-08	-0.0405708	0.0212451	0.05617846	0.6099459	17	0.5969465
ENSG00000247157	12	RP11-434C1.1	11700964	rs3863325	12	11350912	C	A	0.653082	-0.0082995	0.00850466	0.329124	-0.499442	0.0901328	3.00E-08	0.0166176	0.0172904	0.3365083	0.8575651	4	0.83103105
ENSG00000255621	12	RP11-377D9.3	13153385	rs1291364	12	13153773	C	T	0.77833	0.0174213	0.0099741	0.0806975	0.812537	0.136658	2.75E-09	0.0214406	0.012794	0.09376959	0.7405675	11	0.64379887
ENSG00000261324	12	RP11-174G6.5	14915438	rs2195199	12	14927994	C	T	0.586481	0.00611326	0.00806	0.44817	-0.508088	0.0911437	2.48E-08	-0.0120319	0.0160096	0.452325	0.1531146	4	0.87797516
ENSG00000182993	12	C12orf60	14956506	rs11610238	12	14975721	T	C	0.589463	0.00395941	0.00811269	0.625514	-0.726766	0.0850805	1.32E-17	-0.005448	0.0111809	0.6260764	0.7892828	14	0.92817169
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.70627	0.180796	3.82E-21	-0.0079483	0.00798478	0.3195284	0.6028892	10	0.82194203
ENSG00000133704	12	IPO8	30781922	rs12370947	12	30786569	C	G	0.235586	0.0100294	0.00914644	0.272843	-0.550012	0.0642077	1.07E-17	-0.0182349	0.0167652	0.2767449	0.9076619	20	0.78002527
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	0.770628	0.0902416	1.35E-17	0.00988468	0.0167603	0.5553461	0.06586798	12	0.91004805
ENSG00000013573	12	DDX11	31226779	rs3881296	12	31237700	A	G	0.430417	-0.0110286	0.00815037	0.176012	-1.18599	0.0734236	1.09E-58	0.00929907	0.00689628	0.177524	0.9833392	20	0.69192294
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.626713	0.0886764	1.58E-12	-0.016629	0.0146827	0.2574013	0.7302242	5	0.77102595
ENSG00000240399	12	RP1-228P16.1	48448596	rs11168371	12	48437686	A	G	0.224652	0.0438786	0.0115188	0.00013936	-0.757921	0.113184	2.14E-11	-0.0578934	0.0174849	0.00092945	0.7305904	12	0.23243814
ENSG00000177627	12	C12orf54	48876286	rs56090553	12	48914415	A	G	0.201789	0.00215426	0.0126304	0.864569	0.600614	0.108461	3.07E-08	0.00358676	0.0210391	0.8646321	0.05455405	5	0.97425422
ENSG00000139537	12	CCDC65	49297893	rs61941147	12	49309423	T	C	0.409543	0.0009609	0.00827205	0.907524	-0.418756	0.0734829	1.21E-08	-0.0022947	0.019758	0.9075432	0.6626269	9	0.97987891
ENSG00000169884	12	WNT10B	49359123	rs4760662	12	49370857	A	G	0.419483	0.00185526	0.00838615	0.824914	-0.371488	0.049822	8.90E-14	-0.0049941	0.0225844	0.8249899	0.5808132	16	0.95578689
ENSG00000161798	12	AQP5	50355653	rs3759129	12	50354437	C	A	0.177932	0.0161868	0.0113103	0.152385	-0.564368	0.0824394	7.60E-12	-0.0286813	0.0204739	0.1612525	0.996269	4	0.67326138
ENSG00000272368	12	RP4-605O3.4	50505980	rs1044370	12	50570610	C	T	0.435388	0.00282286	0.00812539	0.728281	0.627874	0.0907862	4.65E-12	0.0044959	0.0129574	0.7286103	0.8487563	12	0.94727701
ENSG00000205426	12	KRT81	52679697	rs2852458	12	52712249	T	C	0.409543	0.0117922	0.00846851	0.163779	0.687805	0.0922604	8.98E-14	0.0171447	0.0125253	0.1710606	0.1756673	11	0.67907961
ENSG00000170523	12	KRT83	52708085	rs2852464	12	52710721	C	G	0.387674	0.0107887	0.00855458	0.207249	-0.468389	0.0786394	2.58E-09	-0.0230336	0.0186688	0.2172753	0.7264904	5	0.73279345
ENSG00000111077	12	TENC1	53440753	rs11170385	12	53443278	G	T	0.607356	-0.0154707	0.0080803	0.0555418	0.236998	0.0413582	1.00E-08	-0.0652778	0.0359471	0.06937961	0.4275928	6	0.61480595
ENSG00000135390	12	ATP5G2	54026510	rs916134	12	54069803	G	A	0.299205	0.013923	0.0094409	0.140279	0.350812	0.0572688	9.03E-10	0.0396879	0.0276805	0.1516329	0.4953554	4	0.67014512
ENSG00000248265	12	RP11-834C11.3	54452038	rs2233921	12	54575800	A	C	0.477137	0.00299254	0.00811907	0.71244	0.763366	0.120095	2.07E-10	0.00392019	0.0106537	0.7129004	0.5924877	6	0.94727701
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.16045	0.0811797	2.36E-46	0.017226	0.00713787	0.01580771	0.372162	19	0.44186828
ENSG00000257303	12	RP11-977G19.11	56693926	rs57870697	12	56752874	G	A	0.0646123	-0.0053604	0.0177369	0.762484	-1.10193	0.128681	1.10E-17	0.00486459	0.0161062	0.762628	0.6125981	8	0.94873228

ENSG00000166881	12	TMEM194A	57449426	rs62621200	12	57472544	T	C	0.0159046	0.0546971	0.0285217	0.0551442	1.16936	0.184492	2.32E-10	0.0467752	0.0254829	0.0664231	0.9717932	5	0.61480595
ENSG00000123427	12	METTL21B	58165275	rs10431552	12	58178148	A	G	0.319085	-0.0215716	0.008472	0.0108896	0.610379	0.0806354	3.74E-14	-0.0353413	0.0146441	0.0158067	0.2179759	20	0.44186828
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.845748	0.0760912	1.06E-28	0.0350262	0.0106215	0.00097489	0.5849927	20	0.23243814
ENSG00000177990	12	DPY19L2	63952693	rs55673930	12	64070828	C	T	0.197813	-0.0013272	0.0100562	0.895002	-0.505837	0.0821572	7.42E-10	0.00262373	0.0198849	0.895027	0.6297724	6	0.97987891
ENSG00000239335	12	RP11-745O10.2	66524531	rs1370126	12	66546892	G	A	0.435388	0.0130862	0.00806503	0.104679	-1.13389	0.090262	3.41E-36	-0.011541	0.0071718	0.1075688	0.1291967	14	0.64481993
ENSG00000127311	12	HELB	66696325	rs10878403	12	66692785	C	T	0.540755	-0.0037974	0.00821978	0.644097	0.547198	0.0747146	2.41E-13	-0.0069397	0.0150514	0.6447542	0.4085178	11	0.93485806
ENSG00000127337	12	YEATS4	69753483	rs160832	12	69768821	T	C	0.0457256	-0.0439108	0.0306908	0.152501	1.04533	0.145576	6.94E-13	-0.0420066	0.029937	0.1605675	0.7499101	8	0.67326138
ENSG00000166268	12	MYRFL	70219084	rs201437318	12	70169170	C	T	0.0616302	0.00855558	0.0148793	0.565291	1.56929	0.194085	6.19E-16	0.00545188	0.00950549	0.5662721	0.3670311	16	0.91214319
ENSG00000257815	12	RP11-611E13.2	70297813	rs11610894	12	70634672	C	G	0.178926	-0.0053196	0.0128242	0.678282	0.734107	0.11778	4.58E-10	-0.0072464	0.0175078	0.6789518	0.3830277	8	0.94554211
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-0.927215	0.064121	2.16E-47	-0.004096	0.00906059	0.6512179	0.3031318	20	0.93515218
ENSG00000257497	12	RP11-585P4.5	75877904	rs1051446	12	75894114	C	T	0.37674	0.00333475	0.00853669	0.696065	-0.470646	0.0855606	3.78E-08	-0.0070855	0.0181839	0.6967909	0.2851674	12	0.94727701
ENSG00000111615	12	KRR1	75890684	rs1501634	12	75890333	G	A	0.234592	0.00907255	0.00985204	0.357113	0.442409	0.065174	1.14E-11	0.0205072	0.0224731	0.3614941	0.2624414	20	0.8429066
ENSG00000257431	12	RP11-263K4.3	82906456	rs7972368	12	82890252	G	A	0.233598	-0.0047187	0.010217	0.644194	0.711502	0.117681	1.48E-09	-0.006632	0.0144016	0.6451557	0.07317417	12	0.93485806
ENSG00000166130	12	IKBIP	99007183	rs12371097	12	99029299	G	A	0.195825	-0.010441	0.00932605	0.262903	0.529237	0.0900729	4.21E-09	-0.0197284	0.0179387	0.271434	0.8611402	18	0.77614389
ENSG00000257681	12	RP11-341G23.4	104140093	rs11111765	12	104172519	C	G	0.247515	-0.0100726	0.00986399	0.307185	0.784552	0.0879474	4.63E-19	-0.0128387	0.0126549	0.310333	0.3818729	20	0.81378166
ENSG00000204954	12	C12orf73	104343980	rs322108	12	104371624	T	C	0.157058	-0.0079776	0.013775	0.562497	-0.498534	0.0816186	1.01E-09	0.0160021	0.0277549	0.5642427	0.6088137	14	0.91214319
ENSG00000089220	12	PEBP1	118573663	rs465735	12	118690551	A	G	0.512922	-0.0052254	0.00808763	0.518215	-0.318254	0.0475074	2.10E-11	0.016419	0.0255304	0.5201488	0.01686382	13	0.88902293
ENSG00000257218	12	GATC	120884241	rs606443	12	120910630	A	C	0.649105	0.00930793	0.008767	0.288371	0.905082	0.0813918	1.00E-28	0.0102841	0.00973046	0.2905598	0.1579118	20	0.79609866
ENSG00000167272	12	POP5	121016567	rs73405628	12	121027132	G	A	0.101392	-0.0043419	0.0123219	0.724559	0.605856	0.106321	1.21E-08	-0.0071665	0.0203768	0.7250645	0.292513	15	0.94727701
ENSG00000122971	12	ACADS	121163538	rs2239760	12	121163518	A	C	0.425447	0.013573	0.00820316	0.0980054	0.292002	0.047029	5.33E-10	0.0464826	0.0290732	0.1098628	0.2806884	19	0.64481993
ENSG00000157895	12	C12orf43	121440225	rs1169307	12	121438382	C	T	0.636183	0.0146584	0.00818133	0.073183	0.221242	0.0405239	4.77E-08	0.0662551	0.0389195	0.08868769	0.07273157	4	0.64379887
ENSG00000111364	12	DDX55	124086624	rs61678733	12	124094174	C	T	0.114314	0.0190249	0.0141429	0.178563	-0.857481	0.129492	3.55E-11	-0.022187	0.0168304	0.1874148	0.9627962	11	0.70592061
ENSG00000255595	12	RP4-809F18.1	126843848	rs17492695	12	126842684	A	G	0.267396	0.00138014	0.0101679	0.892031	-0.930872	0.0974774	1.30E-21	-0.0014826	0.0109241	0.8920416	0.557932	12	0.97987891
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.831434	0.0985033	3.16E-17	-0.0040052	0.00978304	0.6822426	0.4727369	8	0.9461177
ENSG00000185163	12	DDX51	132621139	rs57037358	12	132625643	T	C	0.189861	0.00988417	0.00899283	0.271717	0.419286	0.0682323	8.00E-10	0.0235738	0.0217883	0.2792765	0.07683035	13	0.7820888
ENSG00000256576	12	RP13-977J11.2	132671287	rs7307766	12	132674118	T	G	0.503976	-0.0125519	0.00814085	0.123114	-0.551494	0.0700899	3.59E-15	0.0227598	0.0150422	0.130263	0.6603317	13	0.65842282
ENSG00000255916	12	RP13-895J2.7	132906436	rs58012118	12	132909888	C	G	0.413519	-0.0081606	0.00847731	0.335727	0.448936	0.064962	4.82E-12	-0.0181777	0.0190654	0.3403687	0.2692731	15	0.83525802
ENSG00000177084	12	POLE	133200348	rs4883540	12	133206307	C	A	0.565606	0.0130917	0.0081567	0.108488	-0.644891	0.0714873	1.86E-19	-0.0203006	0.0128468	0.1140593	0.1567717	20	0.64481993
ENSG00000227879	13	PSPC1P1	19775777	rs7334384	13	19920572	C	G	0.577535	0.0113901	0.00857295	0.183978	-0.56678	0.0983609	8.30E-09	-0.0200962	0.0155226	0.195444	0.1334847	20	0.71320307
ENSG00000237636	13	ANKRD26P3	19864733	rs9554041	13	19919317	T	C	0.400596	-0.0149344	0.0087085	0.0863595	0.783767	0.0994224	3.19E-15	-0.0190546	0.011371	0.09379124	0.04316472	20	0.64379887
ENSG00000032742	13	IFT88	21140585	rs10507293	13	21261267	C	T	0.17495	0.0227665	0.0119276	0.0562976	0.397454	0.0713025	2.49E-08	0.0572808	0.0317206	0.07095098	0.5711099	5	0.61480595
ENSG00000027001	13	MIPEP	24304328	rs17339599	13	24437812	G	C	0.131213	-0.0231469	0.0139496	0.097051	0.914731	0.154676	3.34E-09	-0.0253046	0.0158389	0.110126	0.511129	6	0.64481993
ENSG00000228741	13	RP11-309I15.1	24553949	rs9553143	13	24591554	G	C	0.300199	0.00790267	0.00894477	0.376968	0.582948	0.105904	3.70E-08	0.0135564	0.0155404	0.3830277	0.1632006	11	0.85876551
ENSG00000240654	13	C1QTNF9	24881304	rs56079170	13	24476587	G	C	0.130219	-0.0244982	0.0141747	0.0839325	1.24572	0.153216	4.28E-16	-0.0196659	0.011633	0.09092616	0.7552802	11	0.64379887
ENSG00000205822	13	TPTE2P6	24982295	rs4090063	13	25154049	T	C	0.295229	-0.0024518	0.00878308	0.780128	-0.985355	0.105852	1.29E-20	0.00248825	0.00891763	0.7802248	0.990049	14	0.94953271
ENSG00000151849	13	CENPJ	25457171	rs71431724	13	25528984	A	G	0.251491	0.00020214	0.00853506	0.981106	0.598577	0.0954547	3.59E-10	0.00033769	0.014259	0.9811057	0.6230972	20	0.99593757
ENSG00000253771	13	TPTE2P1	25498815	rs7322661	13	25528110	T	C	0.402584	0.00064863	0.0088375	0.941491	-0.62239	0.0937026	3.09E-11	-0.0010422	0.0142002	0.9414949	0.9521311	20	0.99087277
ENSG00000122025	13	FLT3	28577411	rs79566936	13	28601994	A	G	0.190855	0.0170128	0.0109342	0.119728	0.875219	0.0926165	3.39E-21	0.0194383	0.0126613	0.1247213	0.8696313	9	0.65842282
ENSG00000120669	13	SOHLH2	36742345	rs9546815	13	36810084	T	G	0.471173	0.0154556	0.00822187	0.0601326	0.973056	0.0902602	4.25E-27	0.0158836	0.00857703	0.06404403	0.8411756	20	0.61339258
ENSG00000242715	13	CCDC169	36801182	rs7327905	13	36797515	A	G	0.218688	0.0121783	0.0102579	0.235145	-0.58655	0.0965888	1.26E-09	-0.0207626	0.0178196	0.2439567	0.6103205	10	0.75324972
ENSG00000236354	13	LINC00437	39107480	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.653609	0.08397	7.04E-15	0.0179496	0.0127626	0.1596004	0.1248021	12	0.67326138
ENSG00000150893	13	FREM2	39261266	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.675448	0.0707177	1.28E-21	0.0173692	0.0122821	0.1573057	0.2233735	12	0.67326138
ENSG00000168852	13	TPTE2P5	41396432	rs11147827	13	41491854	C	T	0.707753	-0.011502	0.00869609	0.185949	0.628475	0.106575	3.70E-09	-0.0183014	0.0141806	0.1968429	0.9014871	5	0.71320307
ENSG00000176268	13	CYCSP34	41437735	rs9549302	13	41417414	A	G	0.705765	-0.0094585	0.00869233	0.276534	0.868334	0.116891	1.10E-13	-0.0108927	0.0101172	0.2816369	0.5636181	10	0.78348136
ENSG00000023516	13	AKAP11	42846289	rs9594730	13	42911923	T	G	0.234592	0.00765764	0.0088337	0.386015	-0.28267	0.0469975	1.80E-09	-0.0270904	0.0315738	0.390892	0.8282362	6	0.86143514
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-0.835237	0.0644426	2.04E-38	-0.0017445	0.0114286	0.8786802	0.1056801	18	0.97812135
ENSG00000227258	13	SMIM2-AS1	44716682	rs76367685	13	44717742	T	C	0.707753	-0.0127751	0.00906909	0.15894	-0.940516	0.122763	1.84E-14	0.0135831	0.00980431	0.1659246	0.2823076	12	0.67419968
ENSG00000235903	13	CPB2-AS1	46626941	rs17600984	13	46675714	A	C	0.261431	0.00027308	0.00886137	0.975416	0.99887	0.0779875	1.48E-37	0.00027339	0.00887142	0.9754156	0.08683458	19	0.99593757
ENSG00000102547	13	CAB39L	49882786	rs35214871	13	49918175	T	G	0.142147	-0.02939	0.0109095	0.00706025	-0.813631	0.130724	4.85E-10	0.036122	0.0146105	0.01342365	0.03373155	12	0.44186828
ENSG00000123179	13	EBPL	50234859	rs9568308	13	50265238	T	C	0.0735586	0.00708956	0.0140422	0.613646	-1.1717	0.143778	3.66E-16	-0.0060507	0.0120074	0.6143252	0.8161508	14	0.92780325
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs9526708	13	51500691	A	G	0.318091	-0.0057386	0.00866177	0.507637	-0.876729	0.118131	1.16E-13	0.00654549	0.00991893	0.5093188	0.3476403	9	0.88426028
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.65209	0.0534891	3.47E-34	-0.0057921	0.0125895	0.6454607	0.4084973	20	0.93485806
ENSG00000197168	13	NEK5	52611093	rs61957455	13	52540786	T	C	0.054672	0.0127378	0.0152049	0.402177	-1.01592	0.18059	1.85E-08	-0.0125382	0.0151317	0.4073275	0.02903437	17	0.86982438
ENSG00000136108	13	CKAP2	53029564	rs9526927	13	53051627	T	C	0.564612	-0.0073419	0.00805726	0.362182	-0.554123	0.0607698	7.62E-20	0.0132496	0.014613	0.3645658	0.01280674	20	0.84538623
ENSG00000139675	13	HNRNPA1L2	53191605	rs11619767	13	53155898	T	C	0.410537	-0.008931	0.00828603	0.281107	-0.686086	0.0823839	8.23E-17	0.0130173	0.012178	0.2851061	0.0891278	20	0.7878352
ENSG00000250299	13	MRPS31P4	53191693	rs9526975	13	53255804	T	C	0.417495	-0.0055945	0.00815771	0.492845	-0.370199	0.0635983	5.85E-09	0.0151121	0.0221884	0.4958209	0.1448779	20	0.88426028
ENSG00000230223	13	ATXN8OS	70681345	rs4254198	13	70606628	T	C	0.696819	0.00683982	0.00906993	0.450776	0.596711	0.108337	3.63E-08	0.0114625	0.0153417	0.4549731	0.8708071	8	0.87797516
ENSG00000118939	13	UCHL3	76123619	rs9543976	13	76136648	A	G	0.878728	0.00423846	0.0128988	0.742462	0.769355	0.0933388	1.68E-16	0.00550911	0.016779	0.7426602	0.9791047	6	0.94727701
ENSG00000261105	13	RP11-173B14.5	76178836	rs7995740	13	76227427	C	T	0.55666	0.00544873	0.00811657	0.502023	-0.813424	0.104807	8.42E-15	-0.0066985	0.0100155	0.5036153	0.9183395	4	0.88426028
ENSG00000229865	13	RPL31P54	78996958	rs9574237	13	78993239	G	T	0.247515	0.0148809	0.00883067	0.0919623	-0.834817	0.10364	7.95E-16	-0.0178253	0.010807	0.09905966	0.08379365	11	0.64481993
ENSG00000227354	13	RBM26-AS1	79980444	rs7993295	13	79880201	A	C	0.914513	-0.0019777	0.0104271	0.849568	-1.27469	0.157152	5.01E-16	0.00155152	0.00818234	0.8496082	0.4688918	9	0.96559734
ENSG00000080166	13	DCT	95089558	rs17181808	13	95186815	A	G	0.277336	-0.0128595	0.00869389	0.139101	0.717543	0.0978018	2.19E-13	-0.0179216	0.01236	0.1470674	0.3350014	8	0.67014512
ENSG00000165621	13	OXGR1	97637973	rs1501855	13	97645202	G	A	0.602386	-0.0046828	0.00833103	0.574054	-0.438055	0.0774632	1.56E-08	0.01069	0.0191119	0.5759339	0.1215469	5	0.91214319
ENSG00000260992	13	DOCK9-AS2	99740073	rs9517610	13	99754222	A	G	0.270378	-0.0076736	0.00901641	0.394732	-0.563842	0.0961003	4.43E-09	0.0136095	0.0161584	0.3996461	0.4017221	5	0.86743867
ENSG00000139780	13	METTL21C	103338094	rs7981120	13	103346659	A	G	0.412525	-0.0013605	0.00806835	0.866093	0.49648	0.0729744	1.02E-11	-0.0027403	0.0162561	0.8661338	0.446572	9	0.97450157
ENSG00000250878	13	METTL21EP	103532449	rs6491718	13	103536364	T	C	0.300199	-0.0015646	0.00842082	0.852598	-0.491969	0.0712131	4.90E-12	0.00318034	0.0171228	0.8526504	0.225611	15	0.96738312
ENSG00000272274	13	LINC00551	107270158	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.760002	0.104208	3.03E-13	0.00114814	0.0109793	0.9167142	0.1564968	5	0.97987891
ENSG00000230156	13	LINC00443	107306264	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.920231	0.0935847	8.11E-23	0.00094823	0.00906717	0.9167103	0.07208078	12	0.97987891
ENSG00000255874	13	LINC00346	111521578	rs9559900	13	111527329	G	A	0.840954	-0.0054177	0.0105235	0.606679	-0.893065	0.155903	1.01E-08	0.00606642	0.0118311	0.6081237	0.7196954	6	0.92780325
ENSG00000153495	13	TEX29	111968531	rs942650	13	111980150	C	T	0.314115	-0.0027611	0.00892069	0.756929	0.679342	0.0943667	6.07E-13	-0.0040644	0.0131435	0.757146	0.2534763	4	0.94873228
ENSG00000235280	13	MCF2L-AS1	113621798	rs35371379	13	113616715	C	T	0.685885	0.0013506	0.00822044	0.869496	-0.55637	0.0909064	9.34E-10	-0.0024275	0.0147805	0.8695433	0.9307043	8	0.97668093
ENSG00000057593	13	F7	113760105	rs2774033	13	113765235	A	G	0.115308	0.00807955	0.0155941	0.604376	-0.512575	0.0886381	7.35E-09	-0.0157627	0.0305449	0.6058204	0.5728052	3	0.92780325
ENSG00000100814	14	CCNB1IP1	20779527	rs8019699	14	20765123	C	T	0.425447	0.00448652	0.00811835	0.58051	-0.531087	0.090514	4.43E-09	-0.0084478	0.0153539	0.5821793	0.5063236	9	0.91214319
ENSG00000092094	14	OSGEP	20914570	rs2275007	14	20920250	C	T	0.628231	0.0120996	0.00856976	0.157981	0.609301	0.0630242	4.13E-22	0.0198582	0.0142141	0.1623911	0.1137911	15	0.67326138
ENSG00000258515	14	RP11-203M5.7	20919464	rs1760944	14	20923149	G	T	0.641153	0.0136603	0.00874546	0.11829	0.45697	0.0701101	7.13E-11	0.0298932	0.0196798	0.1287678	0.185774	10	0.65842282
ENSG00000165794	14	SLC39A2	21467414	rs2149666	14	21468156	G	T	0.628231	0.017484	0.00860939	0.0422746	-0.771001	0.1167	3.93E-11	-0.022677	0.0116821	0.05223775	0.6020174	3	0.59174573
ENSG00000257285	14	RP11-298I3.1	23398818	rs34026312	14	23398995	A	G	0.342942	-0.0041446	0.00875226	0.635823	0.837383	0.0955213	1.84E-18	-0.0049495	0.0104672	0.6363137	0.1831201	15	0.93203187
ENSG00000092036	14	HAUS4	23415437	rs8016027	14	23420153	C	T	0.580517	-0.0053783	0.0081162	0.507547	-0.488597	0.0485069	7.29E-24	0.0110076	0.0166471	0.5084629	0.03156093	20	0.88426028
ENSG00000215256	14	DHRS4-AS1	24407940	rs4457918	14	24422995	G	T	0.0516899	-0.0270991	0.0509292	0.59466	-0.908287	0.120673	5.20E-14	0.0298354	0.0562116	0.5955789	0.4591287	10	0.92181392
ENSG00000187630	14	DHRS4L2	24439148	rs58909995	14	24412383	A	C	0.0497018	-0.0085856	0.0386899	0.824386	-1.07563	0.14515	1.26E-13	0.0079819	0.0359857	0.8244635	0.7973552	14	0.95573824
ENSG00000157379	14	DHRS1	24759804	rs12892419	14	24768534	T	G	0.49503	0.010087	0.00805672	0.210573	-0.700418	0.0793782	1.11E-18	-0.0144014	0.0116179	0.2151298	0.2278626	19	0.7320182
ENSG00000139899	14	CBLN3	24895738	rs4344657	14	24899364	C	G	0.759443	-0.0017308	0.00875077	0.843208	0.720865	0.0914931	3.30E-15	-0.0024011	0.0121431	0.8432568	0.08962113	6	0.96559734
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	0.794778	0.100583	2.75E-15	-0.001287	0.0101455	0.8990593	0.2240145	8	0.97987891
ENSG00000165502	14	RPL36AL	50085237	rs6572597	14	50129515	C	A	0.756461	-0.0089194	0.00941464	0.343435	0.443194	0.0601963	1.81E-13	-0.0201253	0.0214179	0.3473959	0.8519723	12	0.8363037
ENSG00000258711	14	RP11-218E20.3	51422977	rs2185303	14	51418435	T	C	0.673956	-0.0142512	0.00862138	0.0983286	-0.57275	0.0967917	3.27E-09	0.0248821	0.0156289	0.1113724	0.8563427	8	0.64481993
ENSG00000237356	14	AL163953.3	53635772	rs76337496	14	53693793	C	T	0.223658	-0.014744	0.00958852	0.124128	0.691027	0.119778	7.96E-09	-0.0213364	0.0143601	0.1373311	0.5463167	5	0.66434762
ENSG00000126775	14	ATG14	55833110	rs6573020	14	55871452	T	C	0.426441	0.0028491	0.00809451	0.724855	0.38078	0.066705	1.14E-08	0.00748227	0.0212981	0.7253542	0.4832197	10	0.94727701
ENSG00000131966	14	ACTR10	58666798	rs117034962	14	58806602	A	G	0.0497018	-0.0500366	0.0178019	0.00494265	-0.518292	0.071109	3.13E-13	0.0965413	0.0368127	0.00872864	0.886874	5	0.38540393
ENSG00000126790	14	L3HYPDH	59927081	rs1253098	14	59945536	G	A	0.469185	-0.0126899	0.00852617	0.136658	-0.657248	0.0817545	9.04E-16	0.0193076	0.013193	0.1433366	0.4733533	20	0.66790255
ENSG00000258289	14	CHURC1	65381079	rs2412065	14	65407657	G	C	0.186879	0.00757463	0.00960444	0.430312	0.912638	0.0713381	1.79E-37	0.00829971	0.0105438	0.4311854	0.927017	20	0.8760777
ENSG00000171723	14	GPHN	66974125	rs74396645	14	66740179	G	T	0.0109344	0.0855779	0.0594888	0.150277	0.899016	0.160687	2.21E-08	0.0951906	0.0683234	0.1635481	0.5599764	6	0.67326138
ENSG00000184227	14	ACOT1	74003818	rs2041073	14	73972535	C	T	0.497018	0.0091672	0.0082223	0.264885	-0.56989	0.0849472	1.96E-11	-0.0160859	0.0146258	0.2714042	0.6196996	19	0.77614389
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.753447	0.100836	7.90E-14	-0.0251934	0.0113112	0.02592794	0.2374774	20	0.47366505
ENSG00000119673	14	ACOT2	74034324	rs8015976	14	74055115	A	G	0.745527	0.018678	0.00923757	0.0431807	-0.600662	0.0899421	2.42E-11	-0.0310957	0.0160684	0.0529648	0.3539317	14	0.59174573
ENSG00000177465	14	ACOT4	74058410	rs3742819	14	74058832	T	C	0.392644	-0.0067287	0.00840019	0.423123	0.464059	0.0830991	2.34E-08	-0.0144996	0.0182868	0.4278368	0.09150818	6	0.8760777
ENSG00000205669	14	ACOT6	74077649	rs12436753	14	74087919	G	A	0.464215	-0.0007267	0.00826794	0.92996	-0.516986	0.0768644	1.74E-11	0.00140566	0.0159939	0.9299664	0.1874455	6	0.98752621
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.00088	0.106028	3.74E-21	-0.0154087	0.0107987	0.1536063	0.6085888	13	0.67219629
ENSG00000258586	14	RP5-1021I20.2	74289262	rs12887033	14	74292128	T	C	0.125249	-0.0162516	0.0106719	0.127798	0.948853	0.127443	9.67E-14	-0.0171276	0.01148	0.1357117	0.9973529	7	0.66434762
ENSG00000140043	14	PTGR2	74318547	rs1476748	14	74552048	C	T	0.910537	-0.0193141	0.0162044	0.233298	-0.527193	0.0777827	1.22E-11	0.0366357	0.0312088	0.2404385	0.700228	18	0.75060943
ENSG00000119718	14	EIF2B2	75469614	rs7157158	14	75457238	G	A	0.539761	0.00524559	0.00807019	0.515694	0.416157	0.0672623	6.13E-10	0.0126048	0.0194989	0.5179956	0.02129691	11	0.88902293
ENSG00000269883	14	AC007375.1	77607026	rs754119	14	77609319	G	A	0.628231	0.0119187	0.00814244	0.143255	-0.547707	0.0745142	1.98E-13	-0.0217611	0.0151583	0.1511203	0.3110846	6	0.67014512
ENSG00000100577	14	GSTZ1	77787227	rs4147578	14	77790416	A	G	0.287276	-0.002013	0.0083494	0.809483	0.453786	0.0648103	2.53E-12	-0.004436	0.0184103	0.8095939	0.2392597	17	0.95331821
ENSG00000042317	14	SPATA7	88851268	rs60503594	14	88874915	C	T	0.302187	-0.0072051	0.00893216	0.419871	-0.639585	0.056411	8.51E-30	0.0112653	0.0140009	0.4210436	0.689117	20	0.8760777
ENSG00000258983	14	RP11-507K2.2	88965678	rs12587386	14	88827764	T	A	0.230616	-0.010717	0.00943012	0.255761	0.604724	0.0971517	4.83E-10	-0.0177221	0.0158519	0.2635739	0.9416834	15	0.77270625
ENSG00000165929	14	TC2N	92246095	rs61990092	14	92289301	T	C	0.34493	0.00579724	0.00832098	0.48599	0.697263	0.0966743	5.49E-13	0.00831428	0.0119893	0.4880123	0.6669236	12	0.88426028
ENSG00000165948	14	IFI27L1	94547628	rs3818119	14	94567032	T	C	0.513917	0.00861411	0.00840695	0.305532	0.444063	0.0770314	8.18E-09	0.0193984	0.0192286	0.3130564	0.8874931	6	0.81378166
ENSG00000119698	14	PPP4R4	94612465	rs1950641	14	94750292	A	G	0.168986	-0.0077441	0.0102215	0.448672	-0.32188	0.0524138	8.19E-10	0.0240589	0.0319964	0.452095	0.8151629	4	0.87797516
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.872546	0.106919	3.33E-16	-0.0206757	0.0146598	0.158432	0.5397303	6	0.67326138
ENSG00000230805	14	AL132709.1	101540206	rs35822182	14	101541334	C	G	0.356859	0.00254359	0.00807559	0.752783	-0.458919	0.077888	3.81E-09	-0.0055426	0.0176221	0.7531234	0.4072251	4	0.94873228
ENSG00000271780	14	RP11-1017G21.5	102414684	rs2448241	14	102414767	A	G	0.084493	0.00781294	0.0125819	0.534621	0.846955	0.152891	3.03E-08	0.00922474	0.0149485	0.5371677	0.7259165	3	0.8989244
ENSG00000156381	14	ANKRD9	102973179	rs2273905	14	102974999	C	T	0.631213	-0.0089102	0.00809867	0.271243	0.38713	0.06566	3.72E-09	-0.023016	0.0212809	0.279459	0.03172385	8	0.7820888
ENSG00000259775	14	RP11-45P15.4	103798011	rs4246	14	103811249	C	A	0.111332	0.00352247	0.0136003	0.795636	-0.727054	0.112887	1.19E-10	-0.0048449	0.0187212	0.7957971	0.07923602	10	0.95044568
ENSG00000140104	14	C14orf79	105452112	rs12883995	14	105449928	G	C	0.212724	0.0109578	0.00907887	0.227449	0.66964	0.0739298	1.33E-19	0.0163637	0.0136777	0.2315476	0.5495218	20	0.73684422
ENSG00000183828	14	NUDT14	105639275	rs10873554	14	105648606	A	G	0.625249	-0.0087477	0.00835417	0.295052	0.539222	0.0617068	2.36E-18	-0.0162228	0.0156038	0.2984951	0.5097761	11	0.80544615
ENSG00000259905	15	PWRN1	24738284	rs7167211	15	24800374	A	C	0.404573	-0.0026053	0.00817572	0.749981	0.768051	0.103718	1.31E-13	-0.0033921	0.0106546	0.7502036	0.04966258	20	0.94873228
ENSG00000261377	15	RP11-578F21.12	29034810	rs7179973	15	29078589	C	G	0.167992	-0.0015469	0.014208	0.913303	-1.16702	0.0827099	3.30E-45	0.00132548	0.012175	0.9133062	0.2026885	20	0.97987891
ENSG00000215302	15	CTD-3092A11.1	30762982	rs4779780	15	31068171	G	A	0.475149	-0.0159275	0.00809626	0.049153	-0.644325	0.107334	1.94E-09	0.0247197	0.013223	0.06156171	0.6471542	8	0.60354597
ENSG00000198690	15	FAN1	31196055	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	-0.368155	0.0640883	9.22E-09	-0.0417976	0.0233845	0.07387121	0.2946095	5	0.61480595
ENSG00000270015	15	RP11-540B6.6	31218717	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	0.450953	0.0767235	4.16E-09	0.0341233	0.0190495	0.07324544	0.4177124	14	0.61480595
ENSG00000134160	15	TRPM1	31293264	rs7182946	15	31394868	T	G	0.578529	0.00600034	0.00807908	0.457662	-0.948084	0.0935482	3.88E-24	-0.0063289	0.00854433	0.4588665	0.9005549	8	0.88154197
ENSG00000206127	15	GOLGA8O	32737307	rs4539568	15	32902065	T	G	0.356859	0.0022643	0.00874426	0.795676	0.77619	0.114846	1.39E-11	0.0029172	0.0112739	0.7958226	0.5948069	3	0.95044568
ENSG00000254912	15	RP11-632K20.2	32786204	rs62003030	15	32815816	A	G	0.224652	-2.48E-05	0.00960548	0.997937	1.00329	0.1178	1.64E-17	-2.48E-05	0.00957398	0.9979369	0.5326917	3	0.99902179
ENSG00000261064	15	RP11-1000B6.3	32828248	rs4779582	15	32930505	C	G	0.744533	0.00616199	0.00929355	0.507305	-0.820575	0.139229	3.78E-09	-0.0075094	0.0113971	0.5099709	0.8545242	4	0.88426028
ENSG00000232653	15	GOLGA8N	32885657	rs8037102	15	32932650	G	A	0.747515	0.00669421	0.00931268	0.472248	-0.719505	0.109238	4.50E-11	-0.0093039	0.01302	0.4748658	0.9638725	4	0.88426028
ENSG00000198826	15	ARHGAP11A	32907345	rs12914314	15	32900664	A	G	0.257455	0.00598964	0.00897634	0.5046	-0.430752	0.0705173	1.01E-09	-0.0139051	0.0209627	0.5071232	0.8198268	7	0.88426028
ENSG00000259446	15	RP11-489D6.2	33595858	rs2670948	15	33595844	T	G	0.518887	-0.0057639	0.00807599	0.475404	-0.731024	0.0761994	8.51E-22	0.00788475	0.011078	0.4766219	0.415936	20	0.88426028
ENSG00000140323	15	DISP2	40650436	rs12905240	15	40672145	T	C	0.15507	0.0106495	0.0113253	0.347048	0.319452	0.0498411	1.46E-10	0.0333368	0.0358318	0.3521801	0.3041092	4	0.84122438
ENSG00000128944	15	KNSTRN	40674922	rs76994419	15	40714150	T	C	0.0954274	-0.0267312	0.0113594	0.018611	1.44842	0.115039	2.38E-36	-0.0184554	0.00797842	0.02071343	0.6972525	20	0.45306927
ENSG00000128891	15	C15orf57	40820882	rs34739056	15	40966380	T	C	0.457256	0.0298923	0.00829586	0.00031423	-0.440774	0.0576258	2.03E-14	-0.0678177	0.020805	0.00111534	0.00746331	20	0.23243814
ENSG00000137804	15	NUSAP1	41624892	rs28712264	15	41588797	C	T	0.261431	0.00991479	0.00921291	0.281845	0.978464	0.103297	2.74E-21	0.010133	0.00947626	0.2849322	0.01002714	20	0.7878352
ENSG00000137806	15	NDUFAF1	41679551	rs2730056	15	41735785	G	A	0.269384	0.0225806	0.00882653	0.0105196	-0.713369	0.0758926	5.47E-21	-0.0316535	0.0128231	0.01356905	0.05006309	20	0.44186828
ENSG00000103932	15	RPAP1	41809374	rs11632399	15	41822323	T	C	0.517893	0.00538067	0.0080655	0.504695	-0.395159	0.0661609	2.33E-09	-0.0136165	0.0205377	0.5073313	0.9047033	8	0.88426028
ENSG00000168803	15	ADAL	43622872	rs11858152	15	43634196	C	T	0.127237	0.00628945	0.0142153	0.658168	-1.04631	0.122401	1.25E-17	-0.0060111	0.0136043	0.6585971	0.09999949	20	0.93617585
ENSG00000242866	15	STRC	43891596	rs2447215	15	43941722	T	C	0.2833	-0.0222593	0.0112235	0.0473358	0.412819	0.0658379	3.61E-10	-0.0539202	0.028515	0.05863232	0.2364537	18	0.5969465
ENSG00000249839	15	AC011330.5	43955852	rs2470135	15	43995789	T	C	0.290258	-0.0252286	0.0102766	0.0140903	-0.717599	0.093896	2.13E-14	0.035157	0.0150415	0.01942219	0.2347948	20	0.45306927
ENSG00000205771	15	CATSPER2P1	44019116	rs117091329	15	44036768	A	T	0.0357853	-0.0047462	0.0168625	0.778354	-1.41519	0.160164	9.93E-19	0.00335376	0.0119214	0.7784629	0.6164142	20	0.94953271
ENSG00000185880	15	TRIM69	45021186	rs112959940	15	45092645	A	G	0.0159046	-0.0420694	0.0331701	0.204694	-1.1633	0.20961	2.86E-08	0.0361638	0.0292489	0.2163034	0.9151136	6	0.7320182
ENSG00000259479	15	CTD-2008A1.2	45118569	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	1.55247	0.215478	5.81E-13	0.00442899	0.0134871	0.7426196	0.2122492	16	0.94727701
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	1.01719	0.0961262	3.62E-26	-0.0055521	0.00811118	0.4936581	0.5187357	20	0.88426028
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.82247	0.098886	8.99E-17	-0.0063946	0.00997677	0.521557	0.5520164	16	0.88902293
ENSG00000171763	15	SPATA5L1	45694529	rs1145085	15	45657804	G	A	0.277336	0.0120755	0.00868898	0.164605	0.585504	0.105331	2.72E-08	0.0206241	0.0152969	0.177578	0.6620572	3	0.69192294
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.880094	0.0698346	2.04E-36	0.00699889	0.0105111	0.5055032	0.3969449	20	0.88426028
ENSG00000259577	15	RP11-430B1.2	52472290	rs4774612	15	52511465	T	C	0.134195	-0.0041409	0.0114944	0.718661	-0.510334	0.0780589	6.24E-11	0.00811404	0.0225575	0.7190675	0.8007415	17	0.94727701
ENSG00000047346	15	FAM214A	52873514	rs12903617	15	52875828	T	C	0.734592	0.00801168	0.00932483	0.390243	0.382898	0.061058	3.59E-10	0.0209238	0.0245808	0.3946443	0.6943289	8	0.86322972
ENSG00000225973	15	RP11-139H15.1	55609382	rs2305424	15	55581348	C	T	0.124254	-0.0126476	0.0124017	0.307809	-0.648041	0.117874	3.85E-08	0.0195167	0.0194637	0.3159951	0.05869067	3	0.81774291
ENSG00000151575	15	TEX9	56536207	rs4392004	15	56548922	G	A	0.0934394	-0.0217391	0.0164286	0.185754	-0.728843	0.112485	9.21E-11	0.0298269	0.0230059	0.1948077	0.9393096	12	0.71320307
ENSG00000185088	15	RPS27L	63418071	rs12902921	15	63449777	A	G	0.0795229	0.0165469	0.0131586	0.208573	-0.429536	0.0663281	9.42E-11	-0.0385227	0.0312067	0.2170392	0.3177426	20	0.73279345
ENSG00000166831	15	RBPMS2	65032091	rs11632928	15	65092537	T	C	0.892644	-0.01621	0.0125631	0.19695	-0.814951	0.137362	2.98E-09	0.0198908	0.0157761	0.2073758	0.1839038	5	0.72567255
ENSG00000140451	15	PIF1	65107831	rs865576	15	65147398	G	A	0.570577	0.0183619	0.00824451	0.0259358	-0.650746	0.0929002	2.47E-12	-0.0282167	0.0132943	0.03379851	0.7318058	16	0.49917972
ENSG00000090487	15	SPG21	65255362	rs2003367	15	65285025	A	G	0.533797	0.0156427	0.00811398	0.0538716	0.481088	0.068882	2.86E-12	0.0325153	0.0174966	0.06311624	0.8723466	15	0.61043305
ENSG00000166938	15	DIS3L	66585555	rs12911848	15	66817545	A	G	0.431412	-0.0112874	0.00821248	0.169313	-0.491789	0.0800623	8.12E-10	0.0229517	0.0171121	0.1798376	0.73749	3	0.69422261
ENSG00000075131	15	TIPIN	66628544	rs71242758	15	66837136	T	C	0.105368	-2.40E-05	0.014889	0.998714	1.65333	0.168538	1.02E-22	-1.45E-05	0.00900546	0.9987136	0.966009	6	0.9991022

ENSG00000260657	15	RP11-315D16.4	68560130	rs55700060	15	68574450	G	A	0.356859	0.00090277	0.00901327	0.920217	0.954048	0.100164	1.65E-21	0.00094626	0.00944792	0.9202214	0.997922	16	0.98087349
ENSG00000260469	15	RP11-8P11.3	74060555	rs28581503	15	74052323	G	A	0.535785	-0.0131597	0.00807553	0.103192	-0.550783	0.0886619	5.23E-10	0.0238927	0.015158	0.1149689	0.3345678	11	0.64720285
ENSG00000178802	15	MPI	75182346	rs12908814	15	75132490	G	C	0.582505	0.00158833	0.00809771	0.844496	0.444437	0.0661988	1.90E-11	0.0035738	0.0182279	0.8445617	0.3147083	20	0.96559734
ENSG00000140365	15	COMMD4	75628232	rs142326056	15	75614745	T	C	0.0308151	0.00638493	0.0238835	0.789211	-1.01138	0.18099	2.30E-08	-0.0063131	0.0236418	0.7894453	0.721453	3	0.95044568
ENSG00000140400	15	MAN2C1	75648133	rs4462560	15	75647964	C	G	0.713718	-0.0034216	0.00971001	0.724554	-0.37835	0.0617652	9.03E-10	0.00904345	0.0257065	0.7249913	0.6501439	5	0.94727701
ENSG00000169371	15	SNUPN	75890424	rs75425964	15	75906826	C	G	0.225646	0.00042826	0.00905674	0.962285	-0.502259	0.0766691	5.72E-11	-0.0008527	0.0180325	0.9622862	0.2030406	10	0.99296872
ENSG00000169752	15	NRG4	76228310	rs2959852	15	76351704	G	C	0.82008	0.0076321	0.0106331	0.472902	1.00596	0.105515	1.52E-21	0.00758688	0.0106	0.4741503	0.6660565	8	0.88426028
ENSG00000260776	15	RP11-114H24.2	78206559	rs11856914	15	78235554	C	T	0.259443	0.00789165	0.00848675	0.352433	0.848809	0.10691	2.03E-15	0.00929732	0.0100668	0.3557123	0.1866106	17	0.8429066
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.652926	0.0713321	5.52E-20	-0.0018442	0.0140038	0.8952295	0.2113106	13	0.97987891
ENSG00000169684	15	CHRNA5	78857862	rs905740	15	78844386	C	T	0.624254	-0.0019518	0.00830986	0.814309	-0.961601	0.0976655	7.14E-23	0.00202969	0.00864415	0.8143603	0.9615102	20	0.95331821
ENSG00000136378	15	ADAMTS7	79051545	rs7177143	15	79051453	A	G	0.195825	0.00233211	0.00935332	0.803101	-0.557994	0.086717	1.24E-10	-0.0041795	0.016775	0.8032463	0.1380509	3	0.95309828
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.745127	0.0929675	1.10E-15	-0.0059778	0.0109099	0.5837455	0.4200847	9	0.91214319
ENSG00000259417	15	RP11-2E17.1	80487826	rs3743422	15	80503826	T	C	0.650099	-0.0047281	0.00819962	0.564196	0.312253	0.0544834	9.97E-09	-0.0151418	0.0263921	0.5661553	0.591767	6	0.91214319
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-1.02398	0.0966928	3.31E-26	0.00054811	0.010113	0.9567769	0.1521455	19	0.99296872
ENSG00000188659	15	FAM154B	82555151	rs113413540	15	82581577	G	A	0.0337972	-0.0098845	0.0178084	0.578862	1.55024	0.237619	6.84E-11	-0.0063761	0.011529	0.5802298	0.6371767	8	0.91214319
ENSG00000197978	15	GOLGA6L9	82722223	rs11630197	15	82574879	C	T	0.287276	-0.0061997	0.0087348	0.477846	-0.631462	0.0957099	4.18E-11	0.00981803	0.0139125	0.4803751	0.6389358	20	0.88426028
ENSG00000169609	15	C15orf40	83657193	rs1037403	15	83664191	G	C	0.481113	-0.0102745	0.00806234	0.202527	-0.805675	0.0853971	3.93E-21	0.0127527	0.0100978	0.2066206	0.6917753	20	0.72537801
ENSG00000225151	15	AC103965.1	84867600	rs12898924	15	84761475	G	T	0.276342	-0.0114894	0.00913116	0.208296	-0.728981	0.107254	1.07E-11	0.0157609	0.0127388	0.2159978	0.4290176	20	0.7320182
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.866976	0.128828	1.70E-11	0.00828731	0.011993	0.4895584	0.1178827	15	0.88426028
ENSG00000230373	15	GOLGA6L5	85051116	rs6496090	15	85140587	A	G	0.761431	-0.0076981	0.00965467	0.425253	-0.621875	0.0837293	1.11E-13	0.0123788	0.0156143	0.4279023	0.99842	20	0.8760777
ENSG00000176700	15	SCAND2P	85174682	rs72630464	15	85298126	A	G	0.140159	0.00266709	0.0110756	0.809705	0.602098	0.101223	2.71E-09	0.00442966	0.0184101	0.8098569	0.108201	4	0.95331821
ENSG00000259295	15	CSPG4P12	85734669	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.676249	0.0993754	1.01E-11	0.00306201	0.0120656	0.7996654	0.8465184	15	0.95044568
ENSG00000229212	15	RP11-561C5.4	85747141	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.76791	0.0893602	8.44E-18	0.00269651	0.0106226	0.7996145	0.7632812	20	0.95044568
ENSG00000188388	15	GOLGA6L3	85783703	rs62021171	15	85128550	A	G	0.180915	0.00698071	0.0102976	0.497836	0.809695	0.130947	6.27E-10	0.00862141	0.0127941	0.5004008	0.1208539	11	0.88426028
ENSG00000259416	15	RP11-158M2.5	86298172	rs11073516	15	86285227	C	G	0.196819	0.00341207	0.0101749	0.737368	-0.753909	0.110638	9.48E-12	-0.0045258	0.0135125	0.737673	0.9139642	20	0.94727701
ENSG00000140522	15	RLBP1	89753100	rs17228503	15	89763206	C	T	0.387674	0.00477058	0.00812902	0.557299	0.357117	0.0574823	5.21E-10	0.0133586	0.0228642	0.5590474	0.07778829	20	0.91086573
ENSG00000261478	15	RP11-429B14.4	90052192	rs12101521	15	90043983	G	A	0.345924	0.0019938	0.008381	0.811962	0.747995	0.0843153	7.22E-19	0.00266553	0.0112086	0.8120287	0.9143496	8	0.95331821
ENSG00000157823	15	AP3S2	90373831	rs28615960	15	90411208	T	C	0.745527	0.00853535	0.00926009	0.356666	-0.581964	0.073563	2.55E-15	-0.0146665	0.0160194	0.3599073	0.05278467	5	0.8429066
ENSG00000259685	15	CTD-2315E11.1	90645881	rs7169036	15	90655597	G	A	0.728628	0.00697376	0.00864893	0.420062	0.461993	0.0816219	1.51E-08	0.0150949	0.0189099	0.424722	0.2654182	7	0.8760777
ENSG00000140575	15	IQGAP1	90931450	rs2158406	15	90994499	C	T	0.445328	-0.0089235	0.00807274	0.268995	0.385472	0.0517548	9.47E-14	-0.0231494	0.0211719	0.2742163	0.5831763	20	0.77954811
ENSG00000166965	15	RCCD1	91498100	rs1105291	15	91502383	T	C	0.144135	0.00016998	0.0110982	0.98778	0.762723	0.0926029	1.77E-16	0.00022286	0.0145508	0.9877803	0.4146248	20	0.99593757
ENSG00000258741	15	RP11-386M24.4	93258989	rs2387916	15	93267336	T	C	0.536779	-0.0110795	0.00821689	0.177537	0.679982	0.120763	1.79E-08	-0.0162938	0.0124256	0.1897542	0.3331596	19	0.70772219
ENSG00000103852	15	TTC23	99676528	rs113853491	15	99762627	A	G	0.481113	-0.0018624	0.00812739	0.818756	-0.325288	0.0496517	5.70E-11	0.00572527	0.0250005	0.8188642	0.5022967	20	0.95515845
ENSG00000183060	15	LYSMD4	100255902	rs11631604	15	100273617	C	T	0.683897	-0.0006304	0.00862278	0.941717	-0.70279	0.0784391	3.26E-19	0.00089704	0.0122698	0.9417188	0.3422091	20	0.99087277
ENSG00000182397	15	DNM1P46	100330361	rs12591698	15	100328211	C	T	0.297217	0.00438837	0.00889313	0.62169	-0.764088	0.10297	1.17E-13	-0.0057433	0.0116646	0.6224587	0.7628786	20	0.92817169
ENSG00000259363	15	CTD-2054N24.2	100347228	rs12917012	15	100408983	A	G	0.389662	0.00601223	0.00817993	0.462341	-0.747396	0.108693	6.15E-12	-0.0080442	0.0110069	0.4648802	0.9928581	20	0.88426028
ENSG00000154227	15	CERS3	100940600	rs72761238	15	101105042	T	C	0.132207	-0.0192481	0.0109478	0.0787191	-0.82047	0.137928	2.71E-09	0.0234598	0.0139139	0.09178286	0.6716383	4	0.64379887
ENSG00000270127	15	RP11-526I2.5	101087972	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.989656	0.082539	4.00E-33	0.00335759	0.00821802	0.6828593	0.1721978	20	0.9461177
ENSG00000259205	15	PRKXP1	101093734	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-0.947256	0.0916978	5.15E-25	0.00308279	0.00857616	0.7192508	0.1511941	20	0.94727701
ENSG00000259658	15	RP11-89K11.1	102277302	rs62026997	15	102312835	T	C	0.2167	0.0067978	0.0101118	0.501415	0.759861	0.0970201	4.80E-15	0.00894611	0.0133564	0.5029846	0.464274	20	0.88426028
ENSG00000185596	15	WASH3P	102501356	rs2203348	15	102366849	A	G	0.759443	0.0197164	0.00914337	0.0310556	-0.757503	0.13278	1.16E-08	-0.0260281	0.0129039	0.0436873	0.6787322	14	0.54553825
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.948904	0.098151	4.13E-22	0.00522283	0.0111427	0.639268	0.6044263	11	0.93439161
ENSG00000226942	16	IL9RP3	79336	rs9939959	16	87376	A	C	0.238569	-0.0038949	0.0105847	0.712894	-0.673277	0.12275	4.14E-08	0.00578494	0.0157565	0.7135098	0.862654	5	0.94727701
ENSG00000103148	16	NPRL3	134273	rs2562191	16	178543	A	G	0.382704	0.00270923	0.00818324	0.740592	-0.591773	0.071225	9.69E-17	-0.0045782	0.0138393	0.7407895	0.6601746	9	0.94727701
ENSG00000268836	16	LA16c-OS12.2	235747	rs7199414	16	280860	C	T	0.474155	0.0157939	0.00809173	0.0509554	0.725979	0.0929598	5.74E-15	0.0217553	0.0114888	0.05827674	0.8980994	20	0.5969465
ENSG00000242612	16	DECR2	451826	rs3743890	16	456416	G	T	0.531809	-0.0119872	0.00811066	0.139419	-0.433248	0.069936	5.83E-10	0.0276682	0.019246	0.150545	0.2161574	10	0.67014512
ENSG00000007541	16	PIGQ	616995	rs4144003	16	645968	T	C	0.429423	0.0213395	0.00804516	0.00799061	-0.307389	0.0488733	3.18E-10	-0.0694218	0.0284048	0.01452487	0.3027423	12	0.44186828
ENSG00000127578	16	WFIKKN1	679239	rs2269556	16	675215	A	G	0.255467	0.0230837	0.00857783	0.00712197	0.947501	0.0879318	4.50E-27	0.0243627	0.00933117	0.00903051	0.3371899	20	0.3871142
ENSG00000103245	16	NARFL	779753	rs2071951	16	783004	C	T	0.240557	-0.0005454	0.00866336	0.949806	0.471526	0.0748887	3.05E-10	-0.0011566	0.0183739	0.9498084	0.5545627	10	0.99296872
ENSG00000103227	16	LMF1	903634	rs3809674	16	1030002	A	G	0.183897	-0.0196593	0.0127001	0.121631	0.565026	0.0722828	5.41E-15	-0.0347936	0.0229135	0.1288942	0.1280953	20	0.65842282
ENSG00000260807	16	RP11-161M6.2	1025761	rs3751670	16	1032632	A	C	0.135189	-0.0143161	0.015115	0.343567	-0.530455	0.082449	1.25E-10	0.0269883	0.0288015	0.3487351	0.2827056	10	0.8363037
ENSG00000197253	16	TPSB2	1277272	rs2745145	16	1277472	G	A	0.737575	0.00486401	0.00979518	0.619491	-1.09382	0.108031	4.28E-24	-0.0044468	0.00896578	0.6199116	0.8469846	20	0.92780325
ENSG00000095917	16	TPSD1	1306060	rs3874639	16	1294822	G	A	0.511928	0.00219776	0.00841389	0.793933	0.73932	0.093407	2.47E-15	0.00297268	0.0113868	0.7940431	0.2615224	17	0.95044568
ENSG00000260182	16	RP11-616M22.5	1307340	rs2745084	16	1294025	G	A	0.513917	0.00219709	0.00841346	0.793984	0.554502	0.0887591	4.18E-10	0.00396228	0.0151863	0.7941603	0.5356175	7	0.95044568
ENSG00000197599	16	CCDC154	1484384	rs35313796	16	1503310	A	G	0.0884692	0.00375658	0.0165715	0.820666	1.07094	0.123095	3.32E-18	0.00350774	0.015479	0.8207252	0.374584	20	0.95533382
ENSG00000206053	16	HN1L	1728257	rs113571946	16	1728147	G	A	0.209742	0.0094894	0.0119051	0.425401	0.384268	0.0630362	1.09E-09	0.0246947	0.031245	0.429318	0.945963	3	0.8760777
ENSG00000099769	16	IGFALS	1840414	rs12599644	16	1959185	T	C	0.0874751	0.00436022	0.0122524	0.721941	-0.758679	0.131618	8.20E-09	-0.0057471	0.0161804	0.722447	0.101181	8	0.94727701
ENSG00000063854	16	HAGH	1845621	rs7185299	16	1879423	T	C	0.134195	-0.0149041	0.0112469	0.18511	0.381481	0.0556327	7.03E-12	-0.0390691	0.0300277	0.1932241	0.1833179	20	0.71196715
ENSG00000180185	16	FAHD1	1876968	rs1657093	16	1919451	G	A	0.826044	0.0006543	0.00929944	0.943908	-0.840247	0.0696206	1.54E-33	-0.0007787	0.0110677	0.943909	0.2314822	17	0.99151745
ENSG00000162039	16	MEIOB	1883984	rs9652778	16	1886673	C	G	0.183897	-0.0001575	0.00928764	0.986474	-0.745508	0.117022	1.88E-10	0.0002112	0.0124582	0.9864741	0.3359687	15	0.99593757
ENSG00000255513	16	AC005363.9	2013746	rs72764892	16	2013715	G	C	0.139165	-0.0003976	0.0117533	0.973012	0.996573	0.127905	6.62E-15	-0.000399	0.0117938	0.9730126	0.4746613	13	0.99535579
ENSG00000167965	16	MLST8	2254249	rs3160	16	2259191	C	T	0.449304	-0.0054342	0.00809891	0.502232	0.323183	0.0493934	6.03E-11	-0.0168147	0.0251913	0.5044641	0.3097521	19	0.88426028
ENSG00000260778	16	MIR940	2318156	rs12599229	16	2323394	A	G	0.400596	-0.0113421	0.0082307	0.168197	0.409727	0.0736404	2.64E-08	-0.0276821	0.0206952	0.181024	0.7848319	5	0.69422261
ENSG00000261613	16	RP11-20I23.13	2604061	rs12185166	16	2713728	T	C	0.261431	0.00710752	0.0091735	0.438465	1.36029	0.130617	2.13E-25	0.005225	0.00676242	0.4397278	0.4037354	13	0.8760777
ENSG00000260176	16	CTD-3126B10.4	2694085	rs7190820	16	2709661	C	T	0.405567	0.0074706	0.00846949	0.377744	-0.869042	0.116394	8.24E-14	-0.0085964	0.00981355	0.3810471	0.1597862	5	0.85579268
ENSG00000260565	16	ERVK13-1	2710350	rs11648529	16	2725256	G	A	0.413519	0.00782258	0.00846913	0.355664	-0.870387	0.0745591	1.74E-31	-0.0089875	0.00976071	0.3571651	0.399364	11	0.8429066
ENSG00000103355	16	PRSS33	2833954	rs11076829	16	2837603	T	C	0.765408	0.00146148	0.00980742	0.88154	-0.798556	0.111861	9.41E-13	-0.0018302	0.0122841	0.8815652	0.9872552	7	0.97812135
ENSG00000263280	16	LA16c-325D7.2	2916349	rs73479145	16	2921074	C	T	0.399602	0.00534599	0.00874225	0.540861	0.734459	0.0985586	9.19E-14	0.00727881	0.011943	0.5422174	0.554851	13	0.8990588
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.872632	0.0741813	6.02E-32	0.0094092	0.00942311	0.3180253	0.2848857	20	0.8199023
ENSG00000127564	16	PKMYT1	3018025	rs2524316	16	3054011	G	C	0.612326	-0.0097591	0.00819861	0.233914	0.538798	0.0862018	4.09E-10	-0.0181127	0.01549	0.2422741	0.4205404	12	0.75158302
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2717705	16	3053466	C	G	0.615308	-0.0102985	0.00819718	0.20899	1.02195	0.0822132	1.79E-35	-0.0100773	0.00806198	0.2113074	0.6940655	20	0.73142018
ENSG00000213937	16	CLDN9	3062457	rs2526272	16	3053912	T	G	0.626243	-0.0074388	0.00821996	0.365482	0.625898	0.0628792	2.42E-23	-0.011885	0.0131872	0.3674543	0.6327021	20	0.84538623
ENSG00000008517	16	IL32	3115298	rs45499297	16	3115272	C	T	0.112326	0.00804293	0.0190773	0.673319	-0.808641	0.120042	1.62E-11	-0.0099462	0.023638	0.6739204	0.9924571	4	0.94352302
ENSG00000263072	16	RP11-473M20.14	3166043	rs11649450	16	3181996	A	G	0.374751	0.0164587	0.00855509	0.0543726	0.722452	0.0793889	9.02E-20	0.0227817	0.0121035	0.05980254	0.1353372	19	0.5969465
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	1.06886	0.111759	1.13E-21	0.0173738	0.0132272	0.1890182	0.00036014	20	0.70631233
ENSG00000167984	16	NLRC3	3589033	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	-1.08895	0.13076	8.23E-17	-0.0170533	0.0130222	0.1903458	0.00125045	20	0.70839193
ENSG00000262246	16	CORO7	4404543	rs3747580	16	4455675	A	G	0.738569	0.00179782	0.00916071	0.844412	0.561636	0.0769639	2.93E-13	0.00320104	0.0163167	0.8444674	0.3982759	20	0.96559734
ENSG00000153406	16	NMRAL1	4511681	rs4424915	16	4518392	A	G	0.712724	0.00130504	0.00925275	0.887836	-0.557427	0.0691739	7.73E-16	-0.0023412	0.0166016	0.8878527	0.150974	20	0.97971665
ENSG00000102858	16	MGRN1	4666494	rs865775	16	4735528	T	C	0.565606	0.00644444	0.00822328	0.433226	0.58331	0.0543654	7.41E-27	0.0110481	0.0141352	0.4344495	0.6329974	20	0.8760777
ENSG00000103199	16	ZNF500	4798240	rs841227	16	4734513	T	C	0.506958	0.00845771	0.00809263	0.295971	-0.435031	0.0760428	1.06E-08	-0.0194416	0.0189103	0.3039038	0.2596011	20	0.80715034
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.876372	0.105773	1.18E-16	0.0045165	0.00930188	0.6272889	0.1263135	20	0.92830685
ENSG00000267077	16	RP11-127I20.5	4845266	rs113531089	16	4843008	A	G	0.290258	-0.0207927	0.0101725	0.0409525	0.986965	0.12022	2.22E-16	-0.0210673	0.0106215	0.04731621	0.01129255	20	0.56578717
ENSG00000067836	16	ROGDI	4846969	rs56400014	16	4846533	A	G	0.5	0.0040816	0.00813853	0.616009	-0.348584	0.0495862	2.07E-12	-0.0117091	0.0234067	0.6169031	0.6875569	8	0.92780325
ENSG00000261810	16	RP11-895K13.2	10127541	rs837694	16	10110040	G	A	0.624254	0.0141725	0.00819198	0.0836219	0.590284	0.0817502	5.18E-13	0.0240096	0.0142708	0.092486	0.1944325	17	0.64379887
ENSG00000175643	16	RMI2	11343476	rs12149160	16	11439303	T	G	0.519881	-0.0031603	0.00813255	0.697572	-0.888124	0.0781257	6.04E-30	0.00355841	0.00916235	0.6977398	0.1229009	20	0.94727701
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.21735	0.0857227	9.03E-46	0.00452704	0.0066395	0.4953436	0.01357233	20	0.88426028
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.683622	0.0860113	1.89E-15	0.0262731	0.0124278	0.03450932	0.3601264	20	0.49917972
ENSG00000260735	16	RP11-72I8.1	15188268	rs2665222	16	15255251	T	C	0.152087	0.0335247	0.01227	0.00629014	0.718956	0.130241	3.39E-08	0.0466297	0.0190425	0.01433655	0.03559335	13	0.44186828
ENSG00000188599	16	NPIPP1	15198178	rs7404466	16	15129092	T	C	0.837972	-0.0173501	0.0114894	0.131021	-0.487231	0.075315	9.85E-11	0.0356096	0.0242149	0.1414092	0.04658451	15	0.66434762
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	0.825248	0.0924605	4.44E-19	-0.0217642	0.0102193	0.03319447	0.3183084	20	0.49917972
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.381796	0.0568132	1.81E-11	-0.0040493	0.0240907	0.8665156	0.4748216	10	0.97450157
ENSG00000263335	16	AF001548.5	15820531	rs55871015	16	15810211	A	G	0.294235	-0.0004519	0.00884349	0.959249	0.931196	0.0987753	4.20E-21	-0.0004853	0.00949706	0.95925	0.3462593	20	0.99296872
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.959223	0.097628	8.76E-23	-0.0165849	0.0114012	0.1457642	0.9736206	9	0.66882039
ENSG00000227827	16	RP11-958N24.2	16450081	rs2007413	16	16308675	T	C	0.202783	0.0134307	0.0125017	0.282684	0.945495	0.134276	1.90E-12	0.0142049	0.0133754	0.2882264	0.453228	7	0.79312509
ENSG00000103544	16	C16orf62	19566562	rs72767597	16	19670068	C	T	0.262425	-0.0266613	0.00853641	0.00178871	-0.502653	0.0891156	1.70E-08	0.0530412	0.0194124	0.00628878	0.6496282	7	0.34466003
ENSG00000103550	16	KNOP1	19714902	rs720175	16	19721731	G	A	0.163022	0.0277792	0.011499	0.0157011	1.05423	0.117426	2.76E-19	0.0263502	0.0112955	0.01965798	0.2546094	8	0.45306927
ENSG00000260306	16	RP11-645C24.5	21805416	rs2974875	16	21809014	T	G	0.197813	-0.038164	0.00910239	2.76E-05	-0.696621	0.091796	3.23E-14	0.0547845	0.0149281	0.00024266	0.05508163	20	0.15959104
ENSG00000261090	16	RP11-20G6.2	23031658	rs7203294	16	23046252	C	T	0.602386	-0.0055143	0.00820908	0.501758	0.587728	0.0897279	5.75E-11	-0.0093824	0.0140407	0.5039909	0.6078173	10	0.88426028
ENSG00000103356	16	EARS2	23533335	rs250553	16	23441465	C	G	0.16998	-0.0153226	0.00940064	0.10311	-0.581855	0.0827448	2.04E-12	0.0263341	0.0165847	0.1123192	0.2278224	9	0.64481993
ENSG00000262587	16	RP11-266L9.4	25043202	rs7404350	16	25044449	C	T	0.667992	-0.0033685	0.00934546	0.718517	0.658212	0.110469	2.55E-09	-0.0051177	0.0142242	0.7190082	0.4060419	3	0.94727701
ENSG00000259954	16	IL21R-AS1	27458990	rs4787979	16	27618982	G	A	0.84493	-0.0375886	0.0122586	0.00216716	1.19412	0.12167	9.76E-23	-0.0314781	0.0107552	0.00342484	0.2733964	18	0.26312201
ENSG00000197165	16	SULT1A2	28603264	rs743590	16	28608230	A	G	0.326044	-0.0067086	0.00808517	0.406686	0.964708	0.103491	1.14E-20	-0.006954	0.00841409	0.4085361	0.4387882	20	0.87139646
ENSG00000196502	16	SULT1A1	28616903	rs4787458	16	28531287	G	A	0.323062	-0.0062442	0.00807734	0.439489	-0.660919	0.0957687	5.16E-12	0.00944781	0.0122978	0.4423378	0.4474878	20	0.8760777
ENSG00000260953	16	RP11-426C22.6	29273594	rs11865101	16	29288501	C	T	0.378728	0.00559805	0.00832598	0.501355	-0.714559	0.0897426	1.69E-15	-0.0078343	0.0116934	0.5028738	0.3447899	8	0.88426028
ENSG00000103485	16	QPRT	29674600	rs9933310	16	29690904	G	A	0.39165	0.0138543	0.00815579	0.0893738	-0.504878	0.0701135	5.98E-13	-0.0274409	0.0165974	0.09826452	0.3702419	4	0.64481993
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.61588	0.0906074	1.07E-11	0.0169026	0.014628	0.2478848	0.2934693	8	0.75847259
ENSG00000183604	16	RP11-347C12.2	30234230	rs4788408	16	30340674	G	A	0.431412	-0.0108318	0.00826638	0.19008	0.683157	0.114061	2.11E-09	-0.0158555	0.0123865	0.2005214	0.05738636	8	0.71801946
ENSG00000103496	16	STX4	31044210	rs17839567	16	31057945	G	A	0.368787	-0.004301	0.00824063	0.601725	-0.304797	0.0557908	4.68E-08	0.0141109	0.0271596	0.6033733	0.9966698	4	0.92642453
ENSG00000155393	16	HEATR3	50099852	rs2287197	16	50106594	C	T	0.709742	0.00101991	0.00953666	0.914832	0.861838	0.0940465	5.00E-20	0.00118341	0.0110662	0.9148374	0.02240769	20	0.97987891
ENSG00000103479	16	RBL2	53467889	rs6499617	16	53467722	G	A	0.466203	0.00098393	0.00840377	0.906795	-0.336029	0.0518616	9.21E-11	-0.0029281	0.0250131	0.9068103	0.1569288	5	0.97987891
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	0.771242	0.137132	1.86E-08	-0.0107508	0.0143622	0.4541307	0.7721997	5	0.87797516
ENSG00000103021	16	CCDC113	58265061	rs150121097	16	58349806	T	C	0.105368	-0.0066174	0.0107982	0.539992	-0.506215	0.0847246	2.30E-09	0.0130723	0.0214432	0.5421101	0.2519096	8	0.8990588
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.573204	0.0911712	3.23E-10	-0.0255016	0.0152034	0.09347122	0.1358133	8	0.64379887
ENSG00000184939	16	ZFP90	68563993	rs1170435	16	68607398	A	C	0.5666	0.0145613	0.00835318	0.081298	-0.432557	0.0705456	8.70E-10	-0.0336633	0.0200764	0.09358974	0.6697914	12	0.64379887
ENSG00000141076	16	CIRH1A	69165194	rs75086474	16	69431163	A	G	0.0308151	0.0462288	0.0246438	0.0606722	-1.36648	0.217833	3.54E-10	-0.0338306	0.0188236	0.07229716	0.2824804	12	0.61480595
ENSG00000132612	16	VPS4A	69345259	rs7199566	16	69276047	G	C	0.228628	0.00830741	0.00950007	0.381869	0.399479	0.0717076	2.53E-08	0.0207956	0.0240723	0.3876538	0.2166579	8	0.86143514
ENSG00000141101	16	NOB1	69775770	rs3811348	16	69782855	T	C	0.573559	0.0116225	0.00821582	0.157173	0.39379	0.0687079	9.96E-09	0.0295145	0.0214896	0.1696185	0.5421596	8	0.6779252
ENSG00000157322	16	CLEC18A	69984810	rs3192882	16	69975631	T	A	0.397614	-0.0065461	0.0080862	0.418208	-1.02957	0.107924	1.43E-21	0.00635805	0.00788219	0.4198764	0.04436248	20	0.8760777
ENSG00000226232	16	RP11-419C5.2	70010291	rs3874545	16	70024547	T	G	0.377734	-0.0004413	0.00845209	0.958363	-0.755632	0.0760268	2.82E-23	0.00058397	0.0111856	0.9583638	0.09561959	20	0.99296872
ENSG00000255185	16	PDXDC2P	70044654	rs62052489	16	70116665	C	T	0.407555	-0.0032924	0.00807376	0.68343	-0.677234	0.0815397	9.93E-17	0.00486151	0.011936	0.6837898	0.01228269	20	0.9461177
ENSG00000261556	16	RP11-296I10.6	70253477	rs4247108	16	70243685	A	G	0.436382	-0.0091837	0.00808691	0.256111	-0.480362	0.0654394	2.13E-13	0.0191184	0.0170353	0.2617437	0.07114774	20	0.77251343
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.639289	0.0609112	9.07E-26	0.0378031	0.0133799	0.00472264	0.02773559	20	0.28633186
ENSG00000102967	16	DHODH	72042487	rs72787038	16	72066102	C	A	0.171968	0.0312827	0.0102407	0.00225253	-0.584042	0.103643	1.75E-08	-0.0535624	0.0199448	0.00724141	0.05517104	9	0.36634087
ENSG00000261701	16	HPR	72088522	rs2287997	16	72140553	A	G	0.188867	0.00838521	0.010231	0.412451	1.04594	0.112635	1.60E-20	0.00801691	0.00981966	0.4142629	0.08621703	20	0.8760777
ENSG00000168411	16	RFWD3	74655292	rs6564132	16	74548007	A	G	0.44334	0.0080956	0.00805177	0.314684	-0.510763	0.0873404	4.98E-09	-0.01585	0.0159955	0.3217322	0.5658383	4	0.82362657
ENSG00000184517	16	ZFP1	75182390	rs374106642	16	75182433	C	A	0.0198807	0.0576973	0.0298913	0.0535772	-1.26754	0.171232	1.34E-13	-0.0455191	0.0243707	0.06179234	0.5154444	8	0.60354597
ENSG00000205078	16	SYCE1L	77233294	rs2343035	16	77242513	T	C	0.727634	0.014835	0.0088191	0.0925401	-0.929775	0.0908303	1.36E-24	-0.0159555	0.00961242	0.09693824	0.1427553	20	0.64481993
ENSG00000140873	16	ADAMTS18	77281710	rs2562115	16	77394592	G	A	0.592445	0.00175468	0.00805877	0.827636	-0.985167	0.0997051	5.04E-23	-0.0017811	0.00818209	0.8276764	0.5971504	20	0.95665234
ENSG00000261707	16	RP11-264M12.2	77775365	rs9319516	16	77782258	A	G	0.464215	0.00469794	0.00804647	0.559321	-0.725409	0.110732	5.71E-11	-0.0064763	0.0111363	0.5608725	0.7504323	12	0.91153331
ENSG00000261390	16	RP11-345M22.2	79750622	rs7194711	16	79749031	C	T	0.414513	0.0140988	0.00844969	0.0952051	-0.746105	0.0938378	1.85E-15	-0.0188965	0.0115718	0.1024715	0.4566127	14	0.64481993
ENSG00000260213	16	RP11-303E16.3	81050397	rs71400133	16	81050218	C	A	0.229622	-0.0036421	0.00866215	0.674149	-0.607072	0.0984132	6.89E-10	0.00599945	0.0143018	0.6748595	0.5475211	20	0.94365542
ENSG00000140905	16	GCSH	81115566	rs2317085	16	81138065	G	C	0.915507	-0.000771	0.0123814	0.950349	0.424507	0.0654589	8.87E-11	-0.0018162	0.0291679	0.9503512	0.8836265	20	0.99296872
ENSG00000166558	16	SLC38A8	84043272	rs9928085	16	84074978	T	C	0.228628	0.00527853	0.00926687	0.568941	-0.64589	0.0938718	5.96E-12	-0.0081725	0.0143965	0.5702583	0.08412765	9	0.91214319
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.657824	0.0683716	6.50E-22	-0.0042119	0.0122891	0.731796	0.1922537	20	0.94727701
ENSG00000270020	16	RP11-463O9.9	86553989	rs11642368	16	86568701	A	T	0.605368	0.00250925	0.00844594	0.766394	-0.892006	0.0965355	2.46E-20	-0.002813	0.00947337	0.7665108	0.2978827	20	0.94953271
ENSG00000104731	16	KLHDC4	87730091	rs55950332	16	87770469	A	G	0.457256	0.0100022	0.00829856	0.22809	0.372047	0.0601033	6.01E-10	0.0268842	0.022724	0.2367793	0.7425018	3	0.7438942
ENSG00000174990	16	CA5A	87921625	rs4843732	16	87939470	G	A	0.276342	-0.0036404	0.0091001	0.689127	0.609742	0.110844	3.78E-08	-0.0059704	0.0149639	0.6899028	0.05084769	11	0.94651419
ENSG00000224888	16	RP5-1142A6.2	88797588	rs8050504	16	88797568	A	G	0.383698	0.00618363	0.0081045	0.445471	-0.672481	0.0811174	1.13E-16	-0.0091953	0.0121026	0.4473884	0.5248037	20	0.8760777
ENSG00000182376	16	RP5-1142A6.8	88809175	rs8050504	16	88797568	A	G	0.383698	0.00618363	0.0081045	0.445471	-0.639465	0.0883106	4.45E-13	-0.00967	0.012744	0.4479802	0.5860771	12	0.8760777
ENSG00000259877	16	RP11-46C24.7	89281638	rs3803722	16	89284286	G	A	0.0626243	-0.013969	0.0182129	0.443091	-0.95573	0.156607	1.04E-09	0.0146161	0.0192064	0.4466587	0.1489989	16	0.8760777
ENSG00000170100	16	ZNF778	89284118	rs4785670	16	89520152	T	C	0.028827	0.0193006	0.0208198	0.353911	1.96488	0.343984	1.12E-08	0.00982279	0.0107346	0.3601609	0.7001461	4	0.8429066
ENSG00000167523	16	SPATA33	89724210	rs164749	16	89708224	G	T	0.485089	0.0185688	0.00815472	0.0227819	-0.355707	0.056306	2.66E-10	-0.0522025	0.0243692	0.03218095	0.8211929	11	0.49768191
ENSG00000185324	16	CDK10	89747145	rs77651727	16	89708267	T	C	0.0506958	0.00017238	0.0163159	0.991571	-0.661608	0.120548	4.06E-08	-0.0002605	0.024661	0.9915706	0.518836	17	0.99593757
ENSG00000260259	16	RP11-368I7.4	89749028	rs467035	16	89740285	G	C	0.464215	0.021092	0.00838777	0.011916	0.59486	0.10141	4.47E-09	0.0354571	0.0153414	0.02082171	0.5864948	17	0.45306927
ENSG00000075399	16	VPS9D1	89773542	rs62068372	16	89785107	C	T	0.235586	-0.0036027	0.00999169	0.718421	0.322539	0.0518929	5.12E-10	-0.0111698	0.0310303	0.7188737	0.6944817	17	0.94727701
ENSG00000141013	16	GAS8	90086037	rs11076640	16	89912462	A	G	0.353877	-0.0032515	0.00816491	0.690464	0.410618	0.0752587	4.87E-08	-0.0079185	0.0199373	0.6912424	0.4486405	17	0.94651419
ENSG00000262061	17	RP11-1260E13.4	180996	rs11871632	17	180923	T	G	0.395626	0.00321397	0.00843247	0.703098	0.557601	0.09562	5.50E-09	0.00576392	0.015155	0.7037	0.2708359	6	0.94727701
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	0.772955	0.0687347	2.44E-29	0.015303	0.0121391	0.2074401	0.5850921	14	0.72567255
ENSG00000183688	17	FAM101B	289769	rs11653376	17	288595	G	C	0.251491	-0.0057916	0.00959728	0.546198	0.684314	0.104503	5.82E-11	-0.0084634	0.0140841	0.547893	0.8154799	12	0.90384021
ENSG00000167695	17	FAM57A	635652	rs2657621	17	635080	C	A	0.472167	0.0121618	0.008267	0.141258	0.426073	0.0619657	6.16E-12	0.0285439	0.0198419	0.1502727	0.7144019	6	0.67014512
ENSG00000186532	17	SMYD4	1682779	rs11654472	17	1680192	T	A	0.297217	0.00922836	0.00831053	0.266809	-0.640013	0.115101	2.69E-08	-0.014419	0.0132413	0.2761805	0.1991072	4	0.77954811
ENSG00000228133	17	AC099684.1	1921010	rs3803804	17	1923056	T	C	0.329026	-0.0021282	0.00911525	0.815391	0.58105	0.0911206	1.81E-10	-0.0036627	0.0156981	0.8155125	0.7062767	6	0.95331821

ENSG00000167720	17	SRR	2206677	rs12450028	17	2207425	T	C	0.34493	0.0116548	0.00852691	0.17168	-0.588593	0.0711079	1.26E-16	-0.0198011	0.0146831	0.1774771	0.03053351	20	0.69192294
ENSG00000167723	17	TRPV3	3413796	rs59749018	17	3430665	T	C	0.128231	0.00707039	0.0101439	0.485796	-0.698033	0.118691	4.08E-09	-0.010129	0.0146338	0.4888338	0.3946969	9	0.88426028
ENSG00000197417	17	SHPK	3511556	rs62069929	17	3515275	C	T	0.247515	0.0144782	0.00921876	0.116295	0.81073	0.0813575	2.17E-23	0.0178582	0.0115113	0.1208139	0.3970079	20	0.65842282
ENSG00000040531	17	CTNS	3539762	rs2235104	17	3564815	G	A	0.227634	-0.0084626	0.00916791	0.355975	-0.415099	0.0707911	4.53E-09	0.0203868	0.0223581	0.361856	0.4249918	3	0.8429066
ENSG00000161905	17	ALOX15	4534197	rs8071990	17	4579638	A	G	0.717694	-0.0132195	0.00977729	0.176357	-0.710046	0.0907102	4.97E-15	0.0186178	0.0139738	0.182751	0.9325075	19	0.69741952
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-0.90181	0.115685	6.42E-15	0.0154263	0.0149839	0.3032339	0.9304977	9	0.80715034
ENSG00000108556	17	CHRNE	4801069	rs7222708	17	4888111	T	C	0.106362	-0.0189125	0.0112099	0.0915799	0.946775	0.144847	6.30E-11	-0.0199757	0.0122281	0.1023459	0.7273276	17	0.64481993
ENSG00000205710	17	C17orf107	4802713	rs150261110	17	4807512	A	G	0.0109344	0.038834	0.0493257	0.431108	-1.13997	0.202573	1.83E-08	-0.0340658	0.0436907	0.4355652	0.3027686	7	0.8760777
ENSG00000091640	17	SPAG7	4862521	rs72838334	17	4916019	T	G	0.0864811	0.0140612	0.012305	0.253154	0.493802	0.0795687	5.44E-10	0.0284754	0.0253378	0.2610853	0.4193594	6	0.77251343
ENSG00000234327	17	AC012146.7	5014763	rs56197642	17	5018244	G	C	0.111332	-0.0080551	0.0103627	0.436972	-0.78443	0.115212	9.85E-12	0.0102687	0.0132963	0.4399391	0.8471877	14	0.8760777
ENSG00000256806	17	AC004706.1	6555059	rs7226265	17	6556022	G	A	0.186879	0.00429904	0.00952691	0.651808	-0.442144	0.0769861	9.29E-09	-0.0097232	0.0216135	0.6528072	0.2740387	6	0.93515218
ENSG00000132507	17	EIF5A	7210318	rs4796397	17	7207063	C	T	0.602386	0.0101961	0.0089781	0.256098	-0.39573	0.0621285	1.90E-10	-0.0257653	0.0230452	0.2635535	0.05050408	8	0.77270625
ENSG00000141504	17	SAT2	7529552	rs1642771	17	7504060	C	G	0.392644	0.00402463	0.00834553	0.629628	0.283351	0.0502505	1.71E-08	0.0142037	0.0295605	0.6308749	0.2227363	5	0.93028115
ENSG00000109047	17	RCVRN	9799637	rs1047342	17	9815580	C	T	0.558648	-0.0129882	0.00811323	0.109406	-1.09688	0.094808	5.88E-31	0.011841	0.00746712	0.1127942	0.01870851	19	0.64481993
ENSG00000170222	17	ADPRM	10600911	rs4369722	17	10605468	C	T	0.462227	0.0102516	0.0081466	0.208249	0.534758	0.0879018	1.18E-09	0.0191705	0.0155567	0.217836	0.9432166	6	0.73328747
ENSG00000187824	17	TMEM220	10602332	rs418557	17	10632975	T	C	0.474155	0.0115038	0.00812364	0.156749	-0.324921	0.0435609	8.72E-14	-0.0354049	0.0254485	0.1641529	0.9833064	8	0.67326138
ENSG00000006744	17	ELAC2	12895708	rs1044564	17	12895984	C	G	0.607356	0.00702664	0.00825115	0.394439	0.536392	0.070162	2.09E-14	0.0130998	0.0154778	0.3973516	0.09057495	4	0.86619447
ENSG00000214946	17	TBC1D26	15635561	rs3865264	17	15618623	T	G	0.741551	-0.0206655	0.00875405	0.0182415	0.642671	0.0863826	1.01E-13	-0.0321556	0.0142906	0.02444119	0.4399577	20	0.46367758
ENSG00000233002	17	AC005324.6	15638337	rs113062754	17	15672125	G	C	0.315109	-0.0076599	0.00883571	0.385986	0.596214	0.100258	2.73E-09	-0.0128475	0.0149763	0.3909741	0.1618293	7	0.86143514
ENSG00000179277	17	MEIS3P1	15689932	rs859344	17	15703599	A	G	0.297217	-0.0067154	0.00857492	0.433543	-0.479523	0.0773463	5.66E-10	0.0140043	0.0180243	0.4371772	0.1307835	5	0.8760777
ENSG00000265519	17	CTD-3157E16.1	15691101	rs10852832	17	15685233	C	G	0.33499	-0.0066028	0.00825406	0.423746	-0.46182	0.0795771	6.50E-09	0.0142972	0.0180419	0.4281001	0.6641728	5	0.8760777
ENSG00000214941	17	ZSWIM7	15879874	rs2286796	17	15884227	G	A	0.573559	-0.0013149	0.0082278	0.873027	-0.805907	0.0709732	7.00E-30	0.0016316	0.0102104	0.8730398	0.4379402	20	0.97703206
ENSG00000166582	17	CENPV	16245848	rs3112522	17	16244997	A	G	0.464215	0.00330249	0.00805113	0.681667	0.798813	0.0725749	3.55E-28	0.00413425	0.0100859	0.6818756	0.528163	20	0.9461177
ENSG00000187688	17	TRPV2	16318856	rs3813769	17	16318932	C	T	0.33002	0.00655966	0.00903515	0.467829	-0.79312	0.0743037	1.35E-26	-0.0082707	0.0114182	0.4688558	0.9824115	19	0.88426028
ENSG00000091536	17	MYO15A	18012020	rs854776	17	18048608	C	T	0.595427	0.0116447	0.00818745	0.154949	0.304694	0.0521168	5.02E-09	0.0382177	0.0276548	0.166985	0.5062188	5	0.67512583
ENSG00000176974	17	SHMT1	18231187	rs12452987	17	18272449	A	C	0.390656	0.0119155	0.00831936	0.152071	0.351422	0.0615881	1.16E-08	0.0339065	0.0244078	0.1647819	0.7510772	7	0.67326138
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.806469	0.0760245	2.74E-26	-0.0067012	0.0101503	0.509126	0.9390934	16	0.88426028
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.95666	0.0827273	6.27E-31	-0.0056492	0.00855413	0.5089959	0.8497417	20	0.88426028
ENSG00000108448	17	TRIM16L	18601311	rs8070109	17	18598568	T	C	0.760437	-0.0028698	0.00927792	0.75708	0.61376	0.0892757	6.20E-12	-0.0046758	0.0151318	0.757318	0.3140013	20	0.94873228
ENSG00000171928	17	TVP23B	18684308	rs74984407	17	18641187	C	A	0.408549	-0.0014836	0.00840214	0.859841	-0.369213	0.0640922	8.38E-09	0.00401833	0.0227676	0.8599062	0.2451884	11	0.9728182
ENSG00000141127	17	PRPSAP2	18743398	rs8071783	17	18807939	G	C	0.555666	0.0016214	0.00807823	0.840924	0.49334	0.0675246	2.75E-13	0.00328658	0.0163807	0.8409827	0.4008777	17	0.96549656
ENSG00000261033	17	RP11-209D14.2	19911364	rs62066345	17	19898316	C	T	0.305169	0.0120607	0.00914563	0.187258	-0.523158	0.0678111	1.21E-14	-0.0230536	0.0177351	0.1936402	0.05054646	20	0.71196715
ENSG00000230528	17	NOS2P3	20339650	rs35041742	17	20036253	C	T	0.431412	0.0100152	0.00829249	0.227147	-0.57594	0.0824945	2.92E-12	-0.0173893	0.014612	0.2340197	0.1263362	15	0.73993729
ENSG00000266369	17	RP11-344E13.4	20759259	rs7218489	17	20756221	C	T	0.150099	-0.0103228	0.0108927	0.343294	0.803764	0.144091	2.43E-08	-0.0128431	0.0137463	0.3501526	0.8861454	3	0.83739525
ENSG00000265683	17	RP11-173M1.5	25678884	rs35852868	17	25676513	C	G	0.363817	0.00832524	0.00854332	0.329822	0.557163	0.0989995	1.82E-08	0.0149422	0.0155618	0.3369614	0.4581905	5	0.83103105
ENSG00000007171	17	NOS2	26083792	rs4796172	17	26198381	G	A	0.757455	-0.0064289	0.00984031	0.513547	-0.609104	0.0762951	1.42E-15	0.0105547	0.0162094	0.5149508	0.4955623	11	0.88902293
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.458589	0.0600561	2.24E-14	-0.0212586	0.021505	0.3228883	0.4743502	8	0.82362657
ENSG00000244045	17	TMEM199	26684604	rs708100	17	26688663	A	G	0.497018	0.00251364	0.00809068	0.756042	0.369555	0.0640902	8.11E-09	0.0068018	0.0219248	0.7563835	0.4591186	4	0.94873228
ENSG00000167525	17	PROCA1	27030215	rs9911086	17	27061586	T	C	0.0725646	-0.0136658	0.0147034	0.352663	-0.718259	0.114842	3.99E-10	0.0190263	0.0206957	0.3579201	0.5697266	10	0.8429066
ENSG00000108587	17	GOSR1	28804380	rs12944483	17	28846162	T	C	0.50994	-0.0070533	0.00804822	0.380825	-0.485756	0.0792574	8.85E-10	0.0145202	0.016737	0.385639	0.7009932	8	0.86070786
ENSG00000231421	17	AC006050.2	28900489	rs562840	17	28949390	T	G	0.120278	0.00297868	0.0137948	0.829044	1.14119	0.0968256	4.61E-32	0.00261015	0.0120901	0.8290723	0.9976737	13	0.95770471
ENSG00000264538	17	SUZ12P	29036317	rs8070182	17	29135594	C	A	0.107356	0.00384037	0.0142578	0.787659	-0.821876	0.0973438	3.09E-17	-0.0046727	0.0173567	0.787764	0.9971525	12	0.95044568
ENSG00000263603	17	CTD-2349P21.5	29056487	rs216477	17	28866744	C	A	0.857853	-0.0073985	0.0115232	0.520842	0.904526	0.147482	8.62E-10	-0.0081794	0.0128091	0.5231089	0.9840192	9	0.88902293
ENSG00000176390	17	CRLF3	29096406	rs28588622	17	29245699	A	G	0.107356	0.00505276	0.0140975	0.720032	-0.869124	0.127091	8.00E-12	-0.0058136	0.0162426	0.7204001	0.9938237	12	0.94727701
ENSG00000266490	17	CTD-2349P21.9	29119390	rs7504112	17	29073773	C	T	0.275348	-0.0128973	0.0089406	0.149145	0.771539	0.10762	7.55E-13	-0.0167163	0.0118203	0.1573008	0.2793197	8	0.67326138
ENSG00000266718	17	RP11-466A19.1	30822554	rs4287613	17	30827688	T	C	0.480119	-0.0084137	0.00808399	0.297974	0.417747	0.073631	1.40E-08	-0.0201407	0.0196743	0.3059745	0.937773	13	0.80715034
ENSG00000132141	17	CCT6B	33254878	rs62064824	17	33293971	G	C	0.371769	-0.0080372	0.0082095	0.327573	-0.348878	0.0620364	1.87E-08	0.0230373	0.0238851	0.334791	0.4443587	5	0.83103105
ENSG00000005156	17	LIG3	33307513	rs1003918	17	33332177	A	G	0.477137	-0.0013321	0.00812145	0.869715	-0.467053	0.0713073	5.76E-11	0.0028521	0.0173942	0.8697559	0.2066484	4	0.97668093
ENSG00000234477	17	AC004231.2	39077682	rs4890136	17	39025633	A	G	0.101392	0.00163642	0.0142756	0.908738	0.995791	0.181128	3.85E-08	0.00164334	0.0143391	0.9087577	0.7201087	5	0.97987891
ENSG00000141698	17	NT5C3B	39981335	rs9905601	17	40015211	G	A	0.853877	-0.0105641	0.0108994	0.332428	-0.366758	0.0644748	1.28E-08	0.028804	0.0301465	0.3393419	0.9825835	5	0.83398587
ENSG00000187595	17	ZNF385C	40177594	rs60110245	17	40189830	T	C	0.0934394	0.0281435	0.0149079	0.05905	-1.14112	0.171285	2.70E-11	-0.0246631	0.0135787	0.0693228	0.4301812	4	0.61480595
ENSG00000037042	17	TUBG2	40811323	rs3760384	17	40835451	C	A	0.526839	0.0053462	0.00808338	0.508368	-0.364584	0.0489291	9.24E-14	-0.0146638	0.0222587	0.5100295	0.1535634	14	0.88426028
ENSG00000198496	17	NBR2	41277627	rs8176117	17	41263566	C	T	0.353877	0.0203713	0.00829181	0.0140185	-1.08763	0.0734904	1.47E-49	-0.01873	0.00772807	0.01536624	0.860924	20	0.44186828
ENSG00000267080	17	ASB16-AS1	42253341	rs143926892	17	42203164	A	G	0.0318091	-0.0120628	0.0219939	0.583375	-0.914128	0.164345	2.66E-08	0.013196	0.0241767	0.5851937	0.9362847	4	0.91271713
ENSG00000013306	17	SLC25A39	42396993	rs8079946	17	42401708	C	T	0.408549	-0.0188932	0.00807528	0.0193023	-0.342844	0.0626198	4.37E-08	0.0551073	0.0256143	0.03144235	0.9699081	8	0.49768191
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-0.972036	0.099852	2.14E-22	-0.0259619	0.0122744	0.03441884	0.00462809	20	0.49917972
ENSG00000136448	17	NMT1	43128978	rs6503421	17	43156716	C	T	0.540755	0.0141432	0.00812834	0.0818616	-0.258364	0.0459285	1.85E-08	-0.0547414	0.0329314	0.09645587	0.2772653	4	0.64481993
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.738256	0.0789945	9.13E-21	0.0261989	0.0120816	0.03012132	0.322771	11	0.48712594
ENSG00000225190	17	PLEKHM1	43513266	rs55925547	17	43556807	C	T	0.197813	0.00463326	0.0183039	0.800167	0.402983	0.0708494	1.29E-08	0.0114974	0.045466	0.8003614	0.3680627	15	0.95070021
ENSG00000214425	17	LRRC37A4P	43578685	rs62060768	17	44134984	A	G	0.240557	-0.0058343	0.0148278	0.69397	-1.18946	0.0897053	3.97E-40	0.00490502	0.0124715	0.6940985	0.986757	4	0.94727701
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.1631	0.115664	8.66E-24	-0.0049149	0.0128804	0.702773	0.9660036	10	0.94727701
ENSG00000263503	17	RP11-707O23.5	43678235	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.18234	0.109643	4.12E-27	-0.0048349	0.0126696	0.7027465	0.9798444	11	0.94727701
ENSG00000204650	17	CRHR1-IT1	43697694	rs112560196	17	44200078	T	A	0.240557	-0.0058336	0.0148278	0.694007	0.768988	0.0677712	7.69E-30	-0.007586	0.0192938	0.6941829	0.9826114	4	0.94727701
ENSG00000120071	17	KANSL1	44107282	rs2471738	17	44076063	T	C	0.239563	-0.00872	0.00888423	0.326341	-0.571049	0.100729	1.44E-08	0.0152701	0.0157892	0.3334823	0.1852699	14	0.83103105
ENSG00000214401	17	KANSL1-AS1	44270942	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.09343	0.0965089	9.34E-30	0.00367071	0.0132433	0.7816457	0.2686946	11	0.94953271
ENSG00000262500	17	RP11-259G18.2	44320972	rs112556326	17	43575946	T	G	0.241551	-0.0038851	0.015103	0.796995	1.20152	0.117007	9.75E-25	-0.0032335	0.0125739	0.7970571	0.7999823	7	0.95044568
ENSG00000262539	17	RP11-259G18.3	44336917	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.23338	0.103512	9.84E-33	0.0032542	0.0117403	0.7816396	0.2702199	11	0.94953271
ENSG00000261575	17	RP11-259G18.1	44344403	rs199531	17	44830414	C	T	0.256461	0.00863221	0.011049	0.434644	0.830342	0.103878	1.31E-15	0.010396	0.01337	0.4368278	0.1583251	15	0.8760777
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.03654	0.128588	7.57E-16	-0.0070615	0.00810562	0.3836527	0.5413392	7	0.85900505
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.03028	0.0911617	1.29E-29	-0.0068979	0.00794926	0.3855354	0.3173023	20	0.86070786
ENSG00000260075	17	NSFP1	44450221	rs17698176	17	44819595	G	T	0.227634	-0.0114196	0.00872621	0.190653	1.33838	0.121745	4.12E-28	-0.0085324	0.00656601	0.1937792	0.3023707	20	0.71196715
ENSG00000238083	17	LRRC37A2	44588877	rs56971664	17	43918613	C	T	0.239563	-0.0056992	0.0148309	0.700771	1.22121	0.106061	1.12E-30	-0.0046669	0.0121512	0.7009303	0.9816355	4	0.94727701
ENSG00000185829	17	ARL17A	44594068	rs393152	17	43719143	G	A	0.241551	-0.0045683	0.0147801	0.757258	0.88759	0.115926	1.91E-14	-0.0051468	0.0166655	0.7574496	0.9710266	8	0.94873228
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-1.0327	0.0772309	8.86E-41	0.00500948	0.00852527	0.5567983	0.456206	17	0.91015994
ENSG00000262879	17	RP11-156P1.3	45061411	rs76048354	17	45180518	T	C	0.106362	0.0355339	0.0151706	0.0191664	1.40951	0.163884	7.93E-18	0.0252101	0.011155	0.0238227	0.8091942	20	0.45633191
ENSG00000178852	17	EFCAB13	45400656	rs2317631	17	45440385	T	C	0.470179	0.0049847	0.00805509	0.536031	0.522848	0.0775079	1.52E-11	0.00953375	0.0154709	0.5377371	0.4923212	20	0.8990588
ENSG00000264920	17	RP11-6N17.4	45968621	rs10459927	17	45981536	C	T	0.439364	-0.0024062	0.00819725	0.769107	0.405363	0.0650511	4.62E-10	-0.005936	0.0202444	0.7693561	0.167939	5	0.94953271
ENSG00000248278	17	RP11-463M16.4	46952222	rs12941262	17	46967037	A	T	0.563618	0.034524	0.0080749	1.91E-05	0.696145	0.115662	1.76E-09	0.0495931	0.0142282	0.0004911	0.06033866	11	0.23243814
ENSG00000159210	17	SNF8	47006678	rs7221126	17	47042162	A	C	0.257455	-0.0232017	0.00929569	0.0125615	-0.425485	0.067784	3.45E-10	0.05453	0.0235111	0.020377	0.3687231	11	0.45306927
ENSG00000108823	17	SGCA	48241575	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.599227	0.0798347	6.10E-14	-0.0105103	0.0140603	0.4547496	0.6701205	10	0.87797516
ENSG00000136449	17	MYCBPAP	48585745	rs6504671	17	48607280	C	G	0.732604	0.00032358	0.00866761	0.97022	-0.535506	0.0925315	7.15E-09	-0.0006042	0.0161862	0.9702211	0.4503329	6	0.99493047
ENSG00000250286	17	RP11-94C24.8	48614655	rs9914894	17	48614674	C	T	0.601392	0.00209495	0.00813743	0.796834	-0.668855	0.0873373	1.88E-14	-0.0031321	0.0121731	0.7969466	0.1953035	13	0.95044568
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.713867	0.0658516	2.21E-27	-0.0195095	0.0121392	0.1080214	0.4198227	20	0.64481993
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.291187	0.0359932	5.96E-16	-0.041826	0.0290229	0.1495457	0.7704052	20	0.67014512
ENSG00000243678	17	NME1-NME2	49230920	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	-0.370369	0.050114	1.46E-13	0.032884	0.0228897	0.1508243	0.8943126	20	0.67014512
ENSG00000011260	17	UTP18	49337889	rs11079951	17	49342687	T	C	0.479125	0.015014	0.00805761	0.0624166	0.412523	0.0584003	1.62E-12	0.0363955	0.0202007	0.07159255	0.07270643	14	0.61480595
ENSG00000166260	17	COX11	53029263	rs35573927	17	53031889	C	G	0.269384	0.00552494	0.00901827	0.540116	-0.415294	0.0520532	1.48E-15	-0.0133037	0.0217793	0.5413053	0.1908371	16	0.8990588
ENSG00000108960	17	MMD	53469974	rs11079167	17	53477762	C	T	0.38668	0.00439603	0.00832358	0.597401	-0.384064	0.0538558	9.94E-13	-0.0114461	0.0217317	0.5984024	0.7878138	17	0.92181392
ENSG00000108384	17	RAD51C	56769934	rs139863951	17	56927552	T	C	0.181909	0.00323158	0.00922155	0.726011	-0.685836	0.0606435	1.18E-29	-0.0047119	0.0134522	0.7261363	0.06657352	20	0.94727701
ENSG00000265313	17	RP11-567L7.6	57508230	rs12150440	17	57513591	G	A	0.422465	-0.0004813	0.00811438	0.952701	0.298472	0.0538502	2.98E-08	-0.0016126	0.027188	0.9527033	0.9035761	7	0.99296872
ENSG00000008283	17	CYB561	61509665	rs4968644	17	61468052	C	G	0.488072	-0.0205599	0.00811402	0.0112808	-0.453729	0.0378406	3.98E-33	0.0453132	0.0182779	0.01317061	0.4274696	20	0.44186828
ENSG00000198909	17	MAP3K3	61699775	rs111422442	17	61692495	T	C	0.267396	-0.0038271	0.0096136	0.690561	0.377414	0.0661044	1.13E-08	-0.0101404	0.0255341	0.6912715	0.8460976	8	0.94651419
ENSG00000198231	17	DDX42	61850963	rs11657081	17	61792339	T	C	0.266402	-0.0019057	0.00959218	0.842521	-0.539842	0.0838151	1.19E-10	0.00353005	0.0177769	0.8425955	0.4327622	9	0.96559734
ENSG00000108592	17	FTSJ3	61896793	rs2665837	17	61932866	C	T	0.599404	-0.0052378	0.00841972	0.533885	0.780006	0.0774319	7.24E-24	-0.0067151	0.010815	0.5346626	0.4297795	20	0.89853289
ENSG00000087191	17	PSMC5	61904512	rs721575	17	61782920	T	C	0.539761	-0.0042927	0.00812039	0.597063	0.380792	0.0640521	2.76E-09	-0.011273	0.0214091	0.5985046	0.6724823	13	0.92181392
ENSG00000176809	17	LRRC37A3	62850430	rs536888964	17	62910958	A	G	0.0616302	-0.0085641	0.0182767	0.639371	1.42617	0.199792	9.45E-13	-0.006005	0.0128428	0.6400893	0.3687336	3	0.93476849
ENSG00000154229	17	PRKCA	64298754	rs4791035	17	64807228	G	C	0.513917	0.0119762	0.00812855	0.140657	-0.335011	0.0569762	4.11E-09	-0.0357487	0.0250137	0.1529567	0.894751	3	0.67219629
ENSG00000237560	17	AC004562.1	67957848	rs180107	17	67930772	T	A	0.630219	0.00622194	0.00838255	0.457936	0.545313	0.0964469	1.57E-08	0.0114099	0.0155039	0.4617705	0.06985177	5	0.88426028
ENSG00000161513	17	FDXR	72858619	rs492095	17	72869078	A	G	0.724652	-0.0038639	0.0096991	0.690354	0.401109	0.0734164	4.67E-08	-0.009633	0.0242449	0.691132	0.1864177	6	0.94651419
ENSG00000125450	17	NUP85	73201754	rs73995801	17	73191268	A	G	0.236581	-0.0145888	0.0111459	0.190572	0.636909	0.085504	9.41E-14	-0.0229056	0.0177681	0.1973483	0.385984	11	0.71320307
ENSG00000141569	17	TRIM65	73876416	rs7370	17	73894804	A	G	0.290258	0.0142689	0.0101166	0.158409	0.651774	0.0891017	2.57E-13	0.0218924	0.0158075	0.1660725	0.853618	18	0.67419968
ENSG00000188878	17	FBF1	73905655	rs11077798	17	73953404	C	T	0.762425	-0.0138778	0.0105666	0.189061	-0.572186	0.0796343	6.71E-13	0.024254	0.018773	0.1963714	0.9212588	18	0.71320307
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.569738	0.0658956	5.33E-18	0.01947	0.0189304	0.3037132	0.95211	14	0.80715034
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.509301	0.0635178	1.07E-15	0.0217804	0.0212012	0.3042693	0.7375841	14	0.80715034
ENSG00000161542	17	PRPSAP1	74305567	rs446662	17	74313542	C	A	0.294235	0.0133209	0.00930699	0.152351	-0.597194	0.0873974	8.31E-12	-0.0223058	0.0159227	0.1612507	0.4976724	11	0.67326138
ENSG00000182534	17	MXRA7	74668633	rs10459894	17	74696030	T	A	0.150099	-0.0048721	0.0111566	0.662325	1.25722	0.123864	3.31E-24	-0.0038753	0.00888223	0.6626189	0.5131233	15	0.93787835
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086795	17	74757144	A	G	0.082505	-0.0157043	0.0151802	0.30089	1.31256	0.233715	1.95E-08	-0.0119646	0.0117599	0.3089596	0.1173165	9	0.81168747
ENSG00000234912	17	LINC00338	75082798	rs11868249	17	75085322	G	A	0.148111	-0.0032294	0.0140318	0.817979	-0.884398	0.132832	2.78E-11	0.00365147	0.0158754	0.8180858	0.8207397	3	0.95507887
ENSG00000141519	17	CCDC40	78010435	rs7215606	17	78003854	C	T	0.246521	0.0137264	0.00880479	0.119003	0.747722	0.0853733	1.98E-18	0.0183576	0.0119606	0.1248221	0.07440166	8	0.65842282
ENSG00000171298	17	GAA	78075355	rs1042396	17	78084769	A	G	0.272366	-0.0041303	0.00959679	0.666914	-0.588054	0.0870685	1.44E-11	0.00702373	0.0163527	0.6675482	0.4980386	14	0.94200099
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.691542	0.0689194	1.08E-23	0.0153311	0.0122966	0.2124784	0.5978436	20	0.7320182
ENSG00000173821	17	RNF213	78234665	rs62074445	17	78251696	T	C	0.204771	-0.0036767	0.0120737	0.760731	0.529476	0.0906784	5.25E-09	-0.006944	0.0228341	0.7610455	0.8086606	3	0.94873228
ENSG00000261924	17	CTD-2561B21.5	78940039	rs6565504	17	78940813	G	A	0.760437	0.00897843	0.0095261	0.345932	-0.968036	0.0998052	3.04E-22	-0.0092749	0.009887	0.3481982	0.02205871	20	0.8363037
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.882336	0.0844756	1.55E-25	-0.0108335	0.0142154	0.4460001	0.5030173	9	0.8760777
ENSG00000186765	17	FSCN2	79495422	rs56134233	17	79473743	A	G	0.595427	0.0100863	0.00823025	0.220381	0.510839	0.0894922	1.14E-08	0.0197446	0.0164784	0.2308346	0.9377287	4	0.73598765
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.835079	0.0818355	1.90E-24	0.0120925	0.0125811	0.3364693	0.3683249	20	0.83103105
ENSG00000185105	17	MYADML2	79897521	rs9915949	17	79903462	G	C	0.583499	0.00756617	0.00839088	0.367209	-0.468245	0.065605	9.52E-13	-0.0161586	0.0180623	0.3709997	0.6240512	7	0.84538623
ENSG00000169689	17	STRA13	79976578	rs3934983	17	79980756	A	C	0.55666	-0.0044455	0.00834142	0.594077	0.566501	0.0633205	3.67E-19	-0.0078472	0.0147506	0.5947303	0.02156382	9	0.92176189
ENSG00000181396	17	OGFOD3	80347099	rs4789769	17	80373452	T	C	0.251491	-0.0003183	0.0101285	0.974928	-0.583195	0.100354	6.20E-09	0.00054583	0.0173675	0.9749279	0.00657812	5	0.99593757
ENSG00000169660	17	HEXDC	80376194	rs1141463	17	80377690	G	T	0.333002	-0.002796	0.00931834	0.764135	0.408844	0.0739813	3.27E-08	-0.0068388	0.0228255	0.7644714	0.0214322	3	0.94953271
ENSG00000141560	17	FN3KRP	80674559	rs58867683	17	80679455	A	T	0.406561	0.00284553	0.00848782	0.737437	-0.68432	0.0775858	1.14E-18	-0.0041582	0.0124122	0.73762	0.4743209	20	0.94727701
ENSG00000175711	17	B3GNTL1	80900031	rs57923322	17	81009636	G	T	0.229622	0.00156324	0.00869716	0.857356	-0.471657	0.0777447	1.31E-09	-0.0033144	0.0184477	0.8574175	0.5691665	8	0.9711465
ENSG00000263006	18	ROCK1P1	109065	rs66578025	18	122546	A	T	0.302187	0.00280828	0.00839542	0.738001	0.702185	0.0919361	2.21E-14	0.00399935	0.0119676	0.7382429	0.2805721	18	0.94727701
ENSG00000079101	18	CLUL1	596988	rs2015412	18	590969	T	C	0.298211	-0.0001075	0.00844302	0.989842	0.667015	0.103045	9.60E-11	-0.0001612	0.0126579	0.9898418	0.8069338	7	0.99593757
ENSG00000266513	18	RP11-874J12.3	3770017	rs4798127	18	3770469	T	G	0.529821	0.00395012	0.00825469	0.632274	-0.62632	0.0828635	4.08E-14	-0.0063069	0.0132061	0.6329533	0.3501833	10	0.93051058
ENSG00000263753	18	LINC00667	5232875	rs12522	18	5290282	G	A	0.387674	0.0035425	0.00828406	0.668921	0.819145	0.0897749	7.21E-20	0.00432463	0.0101242	0.6692631	0.4593788	20	0.94200099
ENSG00000266441	18	RP11-91I8.3	6728820	rs6417043	18	6729046	C	T	0.515905	0.00114141	0.00805806	0.887358	0.573024	0.103261	2.87E-08	0.00199191	0.0140669	0.8873943	0.4062163	5	0.97971665
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-0.988627	0.108117	6.02E-20	0.00443926	0.0107563	0.6798165	0.389489	15	0.94554211
ENSG00000267079	18	RP11-820I16.1	11910633	rs1811452	18	11947700	A	C	0.337972	-0.0018671	0.00836607	0.823397	0.794859	0.0996287	1.48E-15	-0.002349	0.0105293	0.8234651	0.6923916	11	0.95542705
ENSG00000267108	18	RP11-861E21.1	12432896	rs34620743	18	12438519	G	C	0.151093	0.0217604	0.0134055	0.104537	0.883801	0.137124	1.15E-10	0.0246214	0.0156417	0.1154665	0.46307	10	0.64720285
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.697137	0.0766024	8.97E-20	0.00331912	0.0118486	0.7793796	0.3702556	20	0.94953271
ENSG00000267336	18	RP11-773H22.2	12912843	rs4797717	18	12911423	C	T	0.698807	-0.0087416	0.00825784	0.289792	-0.920158	0.118692	9.01E-15	0.00950006	0.00905765	0.2942497	0.5123624	7	0.80346119
ENSG00000101639	18	CEP192	12991361	rs490853	18	13106337	C	T	0.619284	-0.0028618	0.00819709	0.726994	-0.817692	0.0677174	1.43E-33	0.00349986	0.0100289	0.7271049	0.942948	20	0.94727701
ENSG00000175322	18	ZNF519	14057456	rs9958799	18	14132402	C	G	0.229622	0.00025724	0.00989117	0.979252	0.371154	0.0583912	2.07E-10	0.00069307	0.02665	0.9792523	0.07341391	4	0.99593757
ENSG00000180777	18	ANKRD30B	14728271	rs56197653	18	14800467	G	A	0.544732	0.0064773	0.00821026	0.430154	-0.39751	0.0647138	8.12E-10	-0.0162947	0.0208239	0.4339208	0.4308293	11	0.8760777
ENSG00000264880	18	RP11-805F19.1	15159723	rs67909795	18	15195095	C	A	0.296223	0.0109809	0.00893799	0.219234	0.671749	0.102142	4.81E-11	0.0163467	0.0135357	0.2271729	0.08762306	7	0.73598765
ENSG00000266489	18	RP11-178F10.3	22096847	rs1945168	18	22124418	C	T	0.393638	0.0202232	0.00851724	0.0175784	1.12381	0.0861592	6.93E-39	0.0179952	0.00770345	0.0194915	0.6122466	11	0.45306927
ENSG00000260372	18	AQP4-AS1	24235706	rs232319	18	24500151	C	T	0.527833	0.0009231	0.00811545	0.909439	-0.916514	0.0848628	3.44E-27	-0.0010072	0.00885518	0.9094443	0.4750578	12	0.97987891
ENSG00000134779	18	TPGS2	34359987	rs73433602	18	34382837	A	C	0.151093	0.00649591	0.0105033	0.536272	0.300342	0.0533128	1.77E-08	0.0216284	0.0351812	0.5387065	0.8871806	12	0.8990588
ENSG00000270112	18	RP11-742D12.2	44336450	rs3897629	18	44340086	A	T	0.480119	-0.0163211	0.00808053	0.043404	0.314601	0.0573126	4.04E-08	-0.0518787	0.0273686	0.05801894	0.343734	7	0.5969465
ENSG00000101751	18	POLI	51795774	rs1380257	18	51799343	A	G	0.422465	-0.0003868	0.00808914	0.961858	-0.420931	0.0709273	2.94E-09	0.00091902	0.0192179	0.961859	0.4758015	14	0.99296872
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.719615	0.0996012	5.01E-13	-0.0072602	0.0171078	0.6712891	0.770836	5	0.94200099
ENSG00000133313	18	CNDP2	72163051	rs4891559	18	72170397	A	G	0.210736	0.00291347	0.0104613	0.780628	0.531453	0.0736797	5.47E-13	0.00548208	0.019699	0.7807879	0.6780402	18	0.94953271
ENSG00000180011	18	ZADH2	72907063	rs12969004	18	72920065	A	G	0.481113	0.0052583	0.00811622	0.517066	-0.422342	0.0766313	3.56E-08	-0.0124503	0.0193495	0.5199354	0.9541017	3	0.88902293
ENSG00000267127	18	RP11-795F19.5	77794346	rs72976317	18	77848209	T	C	0.861829	0.00662401	0.0131125	0.613441	-0.919949	0.157533	5.23E-09	-0.0072004	0.0143067	0.6147618	0.3298772	8	0.92780325
ENSG00000261126	18	RBFADN	77806900	rs7228169	18	77825898	G	A	0.831014	0.00562314	0.0112816	0.618177	-0.810017	0.0921453	1.49E-18	-0.006942	0.01395	0.6187411	0.6355871	20	0.92780325
ENSG00000267251	18	AC139100.3	77941563	rs1050919	18	77906500	T	C	0.16998	-0.0026805	0.00984046	0.785319	0.786202	0.116205	1.33E-11	-0.0034094	0.0125266	0.785488	0.5644651	16	0.95019486
ENSG00000099866	19	MADCAM1	489176	rs7259108	19	494245	A	G	0.439364	-0.0029495	0.00815103	0.717457	-0.51656	0.0708968	3.19E-13	0.00570995	0.0157989	0.7177897	0.3552016	8	0.94727701
ENSG00000266933	19	AC005775.2	490046	rs143898391	19	488474	T	A	0.406561	-0.0028477	0.00823707	0.729552	-0.769605	0.0912982	3.47E-17	0.00370025	0.010712	0.7297705	0.2772867	11	0.94727701
ENSG00000267751	19	AC009005.2	567212	rs12608452	19	563639	C	T	0.162028	-0.0025021	0.00960194	0.794415	-0.885522	0.138977	1.87E-10	0.00282555	0.0108523	0.794583	0.7080995	7	0.95044568
ENSG00000065268	19	WDR18	983174	rs2240149	19	990819	A	G	0.59841	-0.0056639	0.00817986	0.488673	-0.679157	0.0721924	5.08E-21	0.00833963	0.0120767	0.4898455	0.1199106	20	0.88426028
ENSG00000207357	19	RNU6-2	1021521	rs117481827	19	1021627	C	T	0.132207	0.0238256	0.0144659	0.0995543	0.903869	0.153637	4.03E-09	0.0263596	0.0166198	0.1127308	0.6768612	9	0.64481993

ENSG00000160953	19	MUM1	1285890	rs713042	19	1357082	C	T	0.76839	0.00780822	0.00859599	0.36369	-0.502718	0.0883205	1.26E-08	-0.015532	0.0173154	0.3697159	0.762766	5	0.84538623
ENSG00000115266	19	APC2	1446300	rs3894776	19	1457370	T	C	0.582505	-0.0003327	0.00854577	0.968943	0.452425	0.0727187	4.92E-10	-0.0007354	0.0188892	0.9689437	0.4958051	4	0.99493047
ENSG00000115255	19	REEP6	1491165	rs791473	19	1491171	G	T	0.377734	-0.006287	0.0083135	0.449505	-0.295666	0.0501965	3.86E-09	0.0212638	0.0283487	0.4532055	0.5106898	3	0.87797516
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	0.985413	0.115964	1.94E-17	-0.0162273	0.0111325	0.1449363	0.3687211	4	0.66799939
ENSG00000099800	19	TIMM13	2425622	rs4807259	19	2405206	G	A	0.430417	0.0166911	0.00810386	0.0394321	0.418702	0.0542607	1.20E-14	0.0398639	0.0200323	0.04659305	0.3116259	16	0.563976
ENSG00000183397	19	C19orf71	3539152	rs10406138	19	3537977	T	C	0.150099	-0.020716	0.0120218	0.0848516	-0.536262	0.0931997	8.72E-09	0.0386304	0.0234015	0.09878694	0.8105654	8	0.64481993
ENSG00000105289	19	TJP3	3708107	rs541197200	19	3649859	A	C	0.0218688	-0.001768	0.0416935	0.966176	1.66157	0.296938	2.20E-08	-0.0010641	0.0250936	0.9661773	0.7987404	3	0.99493047
ENSG00000077463	19	SIRT6	4174106	rs350843	19	4177331	C	A	0.871769	0.0167636	0.011783	0.154824	-0.693089	0.0853294	4.57E-16	-0.0241868	0.0172595	0.1611065	0.2373897	5	0.67326138
ENSG00000105248	19	CCDC94	4247076	rs694443	19	4230121	G	A	0.237575	0.0208593	0.00939321	0.026373	0.504623	0.0830367	1.22E-09	0.0413364	0.0198182	0.03699823	0.9439805	9	0.50611661
ENSG00000178078	19	STAP2	4324040	rs55913120	19	4334402	T	C	0.439364	0.0133193	0.00808269	0.0993757	0.565722	0.084158	1.79E-11	0.0235439	0.0147104	0.1094898	0.1929622	10	0.64481993
ENSG00000267980	19	AC007292.6	4363786	rs732716	19	4366219	G	A	0.294235	-0.0115087	0.0101192	0.25541	-0.476964	0.0869326	4.10E-08	0.0241291	0.0216669	0.2654341	0.4465836	4	0.77289867
ENSG00000167670	19	CHAF1A	4402659	rs72990643	19	4454736	T	C	0.262425	-0.0131747	0.0102973	0.200747	-0.771445	0.0850416	1.18E-19	0.017078	0.0134802	0.2051933	0.09709318	12	0.72293997
ENSG00000167671	19	UBXN6	4444996	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.385396	0.0544689	1.49E-12	0.0127269	0.0286189	0.6565356	0.06401208	7	0.9355295
ENSG00000267769	19	CTB-50L17.9	4454011	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.873285	0.112849	1.01E-14	0.00561659	0.0126259	0.6564315	0.0845563	7	0.9355295
ENSG00000176840	19	MIR7-3HG	4769117	rs3760955	19	4772202	C	A	0.333996	-0.0106249	0.00850479	0.211562	-0.685198	0.0666506	8.63E-25	0.0155063	0.0125035	0.2149159	0.1954468	20	0.7320182
ENSG00000196365	19	LONP1	5691845	rs3892355	19	5696962	A	G	0.314115	0.00181731	0.00865393	0.833669	-0.585085	0.0757796	1.16E-14	-0.0031061	0.0147964	0.8337296	0.6504945	12	0.95954475
ENSG00000141994	19	DUS3L	5784843	rs2446206	19	5777415	C	T	0.195825	-0.004272	0.00974567	0.661132	-0.719987	0.102291	1.94E-12	0.00593348	0.0135621	0.6617459	0.6361581	10	0.93787835
ENSG00000105519	19	CAPS	5911718	rs274796	19	5918207	A	G	0.10338	-0.0003539	0.0149966	0.981173	0.561966	0.0902098	4.68E-10	-0.0006298	0.0266861	0.9811726	0.5514071	12	0.99593757
ENSG00000266983	19	CTC-232P5.1	5978414	rs2024163	19	5967637	C	T	0.523857	0.0091609	0.00807274	0.256461	-0.689114	0.1176	4.63E-09	-0.0132937	0.0119323	0.2652381	0.4995687	13	0.77289867
ENSG00000181240	19	SLC25A41	6426048	rs2860181	19	6436305	T	C	0.487078	-0.017558	0.00829139	0.0342074	0.817367	0.0810059	6.10E-24	-0.0214812	0.010365	0.03822168	0.3700438	17	0.50611661
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.648689	0.0625365	3.29E-25	-0.0063873	0.012892	0.6202872	0.03751792	10	0.92780325
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.81831	0.1114	2.05E-13	-0.0064889	0.0101503	0.5226392	0.9521475	8	0.88902293
ENSG00000104883	19	PEX11G	7541761	rs114900627	19	7540659	A	G	0.0765408	-0.0148576	0.0148356	0.316596	-0.653241	0.109222	2.22E-09	0.0227444	0.023027	0.3232844	0.5396335	9	0.82362657
ENSG00000268297	19	CLEC4GP1	7852435	rs36056976	19	7853716	G	C	0.240557	-0.0101914	0.0105164	0.332496	0.95735	0.0882879	2.14E-27	-0.0106454	0.0110287	0.3344202	0.2395274	16	0.83103105
ENSG00000269139	19	CTD-3193O13.8	7990886	rs7899	19	7991679	A	T	0.302187	0.00605874	0.00858081	0.480138	0.781569	0.0987358	2.46E-15	0.00775202	0.0110225	0.4818764	0.07699681	7	0.88426028
ENSG00000233927	19	RPS28	8386042	rs1808537	19	8402132	A	G	0.596421	0.0127969	0.00815127	0.116432	-0.317392	0.0501397	2.45E-10	-0.0403189	0.0264601	0.1275675	0.9554013	4	0.65842282
ENSG00000269386	19	RAB11B-AS1	8439257	rs72996742	19	8425212	A	G	0.266402	-0.0026886	0.00851996	0.752333	-0.409135	0.0676629	1.48E-09	0.00657145	0.0208527	0.7526575	0.3546813	3	0.94873228
ENSG00000099785	19	2-Mar	8478154	rs1599871	19	8548175	C	A	0.66998	-0.0279561	0.00918094	0.00232664	-0.474543	0.0633458	6.82E-14	0.0589116	0.0208841	0.00478913	0.4548616	19	0.28633186
ENSG00000130803	19	ZNF317	9251056	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	-1.09317	0.161799	1.42E-11	0.0233315	0.0133087	0.07958498	0.4223229	4	0.62558233
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.69001	0.18138	1.19E-20	-0.0150918	0.00847011	0.07478633	0.9485772	12	0.61480595
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.41671	0.151152	7.07E-21	0.00199364	0.0122175	0.870378	0.4601619	4	0.97682355
ENSG00000174652	19	ZNF266	9523272	rs8108483	19	9545030	T	C	0.558648	0.00163106	0.00810334	0.840478	0.9296	0.0742124	5.37E-36	0.00175458	0.00871814	0.8404981	0.8028146	17	0.96549656
ENSG00000129347	19	KRI1	10663761	rs35605746	19	10682247	G	A	0.777336	-0.0142115	0.00947893	0.133802	0.551877	0.0711582	8.79E-15	-0.0257512	0.0174938	0.1410155	0.1058615	17	0.66434762
ENSG00000267174	19	CTC-510F12.4	11411453	rs322159	19	11412773	C	T	0.293241	0.0114288	0.00891793	0.2	-0.53521	0.0915051	4.95E-09	-0.0213539	0.0170578	0.2106225	0.5158275	5	0.73142018
ENSG00000132010	19	ZNF20	12203658	rs73002487	19	12366030	C	T	0.133201	-0.0027828	0.0112328	0.804336	0.553872	0.089926	7.31E-10	-0.0050243	0.0202969	0.8044914	0.4475673	6	0.95331821
ENSG00000213290	19	PGK1P2	12670385	rs2059850	19	12664147	A	C	0.647117	0.00456166	0.00824773	0.580208	-0.612095	0.108438	1.66E-08	-0.0074525	0.0135391	0.5820144	0.3027801	3	0.91214319
ENSG00000105607	19	GCDH	13001840	rs2965216	19	13071082	A	G	0.484095	0.00364131	0.00810126	0.65309	-0.385982	0.0448755	7.89E-18	-0.0094339	0.0210173	0.6535312	0.131393	14	0.93515218
ENSG00000037757	19	MRI1	13875346	rs62111893	19	13874258	T	G	0.414513	-0.0047543	0.00815023	0.55967	-0.667547	0.0831278	9.72E-16	0.00712202	0.0122414	0.5607029	0.6311037	4	0.91153331
ENSG00000141854	19	hsa-mir-1199	14183348	rs7258963	19	14185226	C	T	0.377734	0.0119263	0.00828898	0.150203	0.534985	0.0731219	2.55E-13	0.0222928	0.0157906	0.1580167	0.7994287	19	0.67326138
ENSG00000105143	19	SLC1A6	15060846	rs12463072	19	15082224	T	G	0.34493	-0.0019318	0.0082942	0.81583	0.368709	0.0542688	1.09E-11	-0.0052394	0.0225085	0.8159367	0.8201485	9	0.95331821
ENSG00000186529	19	CYP4F3	15751707	rs1290617	19	15751897	G	T	0.426441	-0.0041973	0.00851787	0.622179	-0.695526	0.105597	4.50E-11	0.00603474	0.0122809	0.6231484	0.09865846	17	0.92817169
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.15506	0.0919032	3.16E-36	0.00486829	0.00707492	0.4913862	0.7553341	20	0.88426028
ENSG00000268673	19	LLNLR-249E10.1	15871185	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	0.773586	0.105143	1.87E-13	-0.007269	0.0105941	0.4926273	0.5870468	6	0.88426028
ENSG00000188039	19	NWD1	16830787	rs12983375	19	16831060	T	C	0.435388	0.00295434	0.00846322	0.727029	-0.427732	0.0533127	1.03E-15	-0.006907	0.019805	0.727277	0.202126	6	0.94727701
ENSG00000099330	19	OCEL1	17337013	rs736128	19	17339435	A	G	0.326044	0.00159342	0.00847892	0.850933	0.433879	0.0769719	1.73E-08	0.0036725	0.019553	0.8510155	0.9839302	5	0.96663994
ENSG00000130312	19	MRPL34	17403418	rs8100232	19	17422951	A	G	0.426441	-0.001116	0.00826322	0.892566	0.416442	0.0607896	7.36E-12	-0.0026799	0.0198463	0.8925862	0.5600022	9	0.97987891
ENSG00000171773	19	NXNL1	17566234	rs55854503	19	17570772	G	T	0.186879	-0.0222504	0.0100199	0.0263767	0.549774	0.097841	1.92E-08	-0.0404719	0.0195971	0.03890416	0.6698317	4	0.5108698
ENSG00000269752	19	CTD-3149D2.3	17724531	rs10403756	19	17739221	T	C	0.594433	0.00240016	0.00811054	0.767282	-0.549728	0.0978893	1.96E-08	-0.0043661	0.0147742	0.767596	0.1919853	11	0.94953271
ENSG00000266904	19	LINC00663	19868175	rs62134511	19	19895883	A	G	0.0397614	0.00078734	0.0233992	0.973158	-1.134	0.196536	7.93E-09	-0.0006943	0.0206346	0.9731583	0.9252344	6	0.99535579
ENSG00000081665	19	ZNF506	19896648	rs72620575	19	19926560	G	A	0.16501	0.00234494	0.0099915	0.814446	0.729456	0.113052	1.10E-10	0.00321464	0.0137063	0.814567	0.71423	19	0.95331821
ENSG00000105750	19	ZNF85	21106028	rs10454112	19	21130254	C	T	0.130219	-0.0101414	0.0123826	0.412784	0.969099	0.146879	4.17E-11	-0.0104648	0.0128755	0.4163521	0.8705308	7	0.8760777
ENSG00000172687	19	ZNF738	21541732	rs8103417	19	21556721	C	A	0.257455	-0.0157915	0.00888142	0.0753963	-0.717102	0.0960483	8.26E-14	0.0220213	0.0127315	0.08369015	0.08534719	15	0.64379887
ENSG00000196268	19	ZNF493	21579921	rs8110470	19	21483248	T	C	0.262425	-0.0149494	0.00886761	0.0918269	-0.5027	0.0911228	3.45E-08	0.0297382	0.0184452	0.1069088	0.231113	7	0.64481993
ENSG00000268555	19	RP11-678G14.3	21753624	rs35998933	19	21772288	T	C	0.333996	0.00671903	0.00846254	0.427211	-0.634428	0.101438	3.99E-10	-0.0105907	0.0134459	0.4309004	0.9205749	20	0.8760777
ENSG00000268535	19	RP11-420K14.3	21892324	rs12972593	19	21932574	C	G	0.576541	0.0026743	0.00806916	0.740324	-0.79904	0.0910041	1.63E-18	-0.0033469	0.0101058	0.7405036	0.5902359	20	0.94727701
ENSG00000197020	19	ZNF100	21905568	rs6511291	19	21950402	C	T	0.558648	-0.0002329	0.00806833	0.976969	-0.362319	0.060513	2.13E-09	0.00064286	0.0222688	0.9769697	0.3953329	4	0.99593757
ENSG00000160321	19	ZNF208	22115760	rs2666441	19	22139230	A	C	0.454274	-0.0044353	0.00805747	0.582008	0.666726	0.114464	5.72E-09	-0.0066523	0.012139	0.5836831	0.5590029	11	0.91214319
ENSG00000269332	19	CTC-457E21.3	22779059	rs16999396	19	22768501	T	G	0.0685885	-0.0030663	0.0200356	0.878365	1.12116	0.16423	8.68E-12	-0.0027349	0.0178749	0.8783954	0.6707024	8	0.97812135
ENSG00000269416	19	CTB-175P5.4	23582035	rs167154	19	23490203	G	A	0.253479	-0.0074414	0.00933136	0.425185	0.680175	0.0860527	2.70E-15	-0.0109404	0.0137887	0.4275278	0.1086404	20	0.8760777
ENSG00000261770	19	CTC-459F4.1	28248092	rs12976414	19	28335731	G	A	0.837972	0.0138116	0.00916794	0.131935	-1.39213	0.120414	6.48E-31	-0.0099212	0.00664122	0.1352067	0.8595613	14	0.66434762
ENSG00000264515	19	CTC-525D6.1	29777918	rs11671079	19	29900846	A	G	0.544732	0.00954947	0.00812932	0.240116	0.4317	0.0722846	2.34E-09	0.0221206	0.0191918	0.2490704	0.5935288	3	0.76070573
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.526182	0.067886	9.12E-15	0.00201923	0.0153663	0.895454	0.4126446	13	0.97987891
ENSG00000105186	19	ANKRD27	33087913	rs12462871	19	33090353	G	A	0.294235	-0.0081225	0.00885272	0.358874	-0.457598	0.0799164	1.03E-08	0.0177503	0.0195929	0.3649595	0.00639298	16	0.84538623
ENSG00000021488	19	SLC7A9	33321415	rs11672662	19	33375341	T	C	0.184891	0.00646163	0.0102373	0.527921	-0.734824	0.094351	6.80E-15	-0.0087934	0.0139773	0.529269	0.5097365	20	0.89404772
ENSG00000124299	19	PEPD	33877856	rs3786893	19	33880000	G	C	0.251491	-0.0110106	0.0094218	0.242553	0.59612	0.0946011	2.95E-10	-0.0184704	0.0160747	0.2505406	0.3860922	8	0.76320085
ENSG00000197841	19	ZNF181	35225060	rs4806052	19	35243100	G	A	0.317097	-0.0127216	0.00861651	0.13983	-0.373413	0.0658655	1.43E-08	0.0340684	0.0238447	0.1530713	0.8336532	4	0.67219629
ENSG00000225872	19	AC002398.5	36279778	rs75120684	19	36288595	C	G	0.028827	0.0221798	0.0202265	0.272829	-1.23759	0.131394	4.56E-21	-0.0179218	0.0164538	0.2760593	0.8404165	13	0.77954811
ENSG00000232677	19	LINC00665	36803969	rs111566004	19	36971444	T	C	0.215706	-0.0129029	0.0101711	0.204586	0.649899	0.0988903	4.97E-11	-0.0198537	0.0159392	0.2129147	0.9197987	20	0.7320182
ENSG00000233527	19	AC092295.7	37063972	rs3108208	19	37140528	T	C	0.599404	0.00069012	0.00835463	0.934167	-0.854968	0.0952145	2.72E-19	-0.0008072	0.00977228	0.9341694	0.5921271	18	0.99029499
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.41533	0.104572	9.79E-42	-0.0044929	0.00601677	0.4552299	0.1161625	20	0.87797516
ENSG00000167644	19	C19orf33	38794801	rs45437199	19	38795250	A	G	0.220676	0.00261195	0.00921804	0.776907	-0.851378	0.130023	5.83E-11	-0.0030679	0.0108373	0.7771101	0.194917	17	0.94953271
ENSG00000196218	19	RYR1	38924339	rs189569683	19	39049451	A	C	0.0467197	-0.0090376	0.0224613	0.687418	-0.799563	0.112996	1.48E-12	0.0113031	0.0281373	0.6878953	0.6014912	20	0.94651419
ENSG00000268055	19	AC067969.2	39026157	rs189569683	19	39049451	A	C	0.0467197	-0.0090376	0.0224613	0.687418	-1.05421	0.184675	1.14E-08	0.00857284	0.0213591	0.6881506	0.7845802	10	0.94651419
ENSG00000269486	19	CTC-360G5.9	39425976	rs1865049	19	39437560	G	A	0.667992	-0.0023076	0.00866337	0.789958	-0.732523	0.109663	2.39E-11	0.00315024	0.0118362	0.7901209	0.3022765	19	0.95044568
ENSG00000196235	19	SUPT5H	39926796	rs686956	19	39922188	T	C	0.553678	0.00061905	0.00827851	0.940392	-0.399561	0.068555	5.60E-09	-0.0015493	0.0207207	0.9403968	0.00667973	9	0.99087277
ENSG00000105341	19	ATP5SL	41937223	rs13346603	19	41945837	A	T	0.406561	0.00356149	0.00840342	0.671701	-0.343104	0.0628866	4.87E-08	-0.0103802	0.0245661	0.6726299	0.6016777	3	0.94321165
ENSG00000176531	19	PHLDB3	43979106	rs2021091	19	43963333	T	C	0.588469	0.00280861	0.00847106	0.740227	0.509156	0.0687219	1.27E-13	0.00551621	0.0166541	0.7404768	0.7620512	18	0.94727701
ENSG00000073050	19	XRCC1	44047192	rs3213263	19	44076154	C	T	0.600398	0.00356659	0.00811714	0.660379	-0.530349	0.0835186	2.15E-10	-0.006725	0.0153419	0.6611385	0.9595824	6	0.93776151
ENSG00000234465	19	PINLYP	44080952	rs17725124	19	44086301	C	T	0.0526839	-0.0181602	0.0215868	0.4002	-0.662279	0.111948	3.30E-09	0.0274208	0.0329226	0.4049095	0.8992534	5	0.86982438
ENSG00000176222	19	ZNF404	44376515	rs454559	19	44429120	T	C	0.511928	-0.0029783	0.00805673	0.71163	-0.440646	0.0611774	5.90E-13	0.00675896	0.018308	0.7119925	0.858501	17	0.94727701
ENSG00000167384	19	ZNF180	44979854	rs2686773	19	44999802	G	A	0.398608	0.00015548	0.00824671	0.984958	0.430193	0.078635	4.48E-08	0.00036143	0.0191699	0.9849577	0.3547272	5	0.99593757
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.22607	0.129716	3.33E-21	-0.0051287	0.00827842	0.5355675	0.8582453	7	0.89853289
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.443431	0.0673294	4.52E-11	-0.002234	0.0182179	0.9024036	0.6707355	5	0.97987891
ENSG00000169515	19	CCDC8	46913629	rs10412620	19	46929591	A	C	0.525845	0.00847524	0.00806074	0.293064	-0.415272	0.0604023	6.19E-12	-0.0204089	0.0196364	0.2986475	0.3192083	12	0.80544615
ENSG00000105287	19	PRKD2	47177532	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.576229	0.0629935	5.83E-20	0.0397319	0.0149456	0.00785035	0.0242584	20	0.37907695
ENSG00000134815	19	DHX34	47852538	rs2694542	19	47894509	C	T	0.356859	0.00041951	0.00853304	0.960789	0.400507	0.0624066	1.38E-10	0.00104745	0.0213062	0.9607903	0.820013	10	0.99296872
ENSG00000105483	19	CARD8	48684027	rs116950953	19	48732930	T	C	0.0427435	0.0637044	0.0283751	0.0247628	-0.51262	0.0764281	1.98E-11	-0.124272	0.0583717	0.03325595	0.00434058	3	0.49917972
ENSG00000105479	19	CCDC114	48799714	rs2292112	19	48799716	G	A	0.687873	0.00560035	0.00837576	0.503727	-0.824194	0.0995331	1.23E-16	-0.0067949	0.0101954	0.5051116	0.7522801	15	0.88426028
ENSG00000088002	19	SULT2B1	49055332	rs10401347	19	49092551	A	G	0.503976	-0.003449	0.00820147	0.674093	-1.03207	0.087096	2.16E-32	0.00334185	0.00795162	0.6742866	0.2065153	5	0.94352302
ENSG00000183207	19	RUVBL2	49496705	rs113328808	19	49512700	C	T	0.0934394	-0.0146829	0.0117279	0.210585	-0.52885	0.0774763	8.73E-12	0.0277638	0.0225461	0.2181651	0.4956263	6	0.73328747
ENSG00000074219	19	TEAD2	49843852	rs11882257	19	49863489	G	T	0.259443	-0.0126248	0.00872946	0.148114	0.380314	0.0656369	6.86E-09	-0.0331957	0.0236575	0.160563	0.7520545	9	0.67326138
ENSG00000268686	19	AC010524.2	49871962	rs2288481	19	49878196	A	G	0.206759	0.00657807	0.0112771	0.559682	-0.699125	0.113106	6.36E-10	-0.009409	0.016202	0.5614211	0.6139767	9	0.91167393
ENSG00000161618	19	ALDH16A1	49956426	rs7252656	19	49958546	G	A	0.753479	-0.0141181	0.00873608	0.10608	-0.736255	0.0972424	3.69E-14	0.0191756	0.0121328	0.114	0.00073139	6	0.64481993
ENSG00000126457	19	PRMT1	50179043	rs35791962	19	50183449	T	C	0.0397614	0.00317244	0.0256097	0.901413	0.818341	0.13908	4.01E-09	0.00387667	0.0313016	0.9014348	0.9547359	5	0.97987891
ENSG00000039650	19	PNKP	50364461	rs2257103	19	50370066	T	C	0.406561	0.00596491	0.00831595	0.473198	0.511271	0.0695679	1.99E-13	0.0116668	0.0163425	0.4752931	0.604282	10	0.88426028
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.674637	0.0855371	3.09E-15	0.0141271	0.0131297	0.2819421	0.05105047	8	0.78348136
ENSG00000204653	19	ASPDH	51014857	rs12327751	19	50968890	T	G	0.590457	0.00156921	0.00813157	0.846977	-0.40997	0.0712337	8.65E-09	-0.0038276	0.0198457	0.8470615	0.8372597	9	0.96559734
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.847429	0.109269	8.80E-15	0.00867775	0.0109232	0.4269421	0.9086561	7	0.8760777
ENSG00000129451	19	KLK10	51515995	rs7255930	19	51521918	C	T	0.619284	-0.0024201	0.00832739	0.771346	-0.672669	0.0995856	1.43E-11	0.0035977	0.0123911	0.7715517	0.1331936	5	0.94953271
ENSG00000262874	19	CTD-2616J11.4	51891543	rs3810095	19	51892850	G	A	0.162028	0.00649527	0.0126683	0.608148	0.756134	0.131735	9.48E-09	0.0085901	0.0168208	0.6095717	0.6291992	3	0.92780325
ENSG00000105509	19	HAS1	52216365	rs11084112	19	52222552	A	G	0.333996	0.0038216	0.00850545	0.653207	0.348529	0.0630765	3.29E-08	0.0109649	0.0244844	0.6542732	0.3532848	5	0.93515218
ENSG00000161551	19	ZNF577	52359055	rs7252110	19	52352015	T	C	0.297217	-0.0043233	0.00871329	0.619769	-0.595295	0.0723654	1.93E-16	0.00726252	0.0146635	0.6204042	0.08997462	20	0.92780325
ENSG00000198093	19	ZNF649	52392477	rs6509591	19	52391940	T	A	0.143141	0.0081601	0.0105724	0.440213	-0.624247	0.0964052	9.47E-11	-0.0130719	0.0170561	0.4434353	0.7530667	20	0.8760777
ENSG00000269235	19	HCCAT3	52452387	rs8104626	19	52480617	A	G	0.107356	-0.0130007	0.0140094	0.353409	0.986509	0.147013	1.94E-11	-0.0131785	0.0143361	0.357965	0.5425884	12	0.8429066
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	0.957625	0.0760252	2.22E-36	0.00946408	0.00867848	0.2754826	0.1229104	12	0.77954811
ENSG00000167555	19	ZNF528	52901102	rs1585207	19	52915816	C	G	0.770378	-0.0011893	0.00917112	0.896819	0.645965	0.0825728	5.16E-15	-0.0018412	0.0141995	0.8968329	0.5084687	15	0.97987891
ENSG00000198633	19	ZNF534	52932440	rs73586087	19	52925539	A	G	0.0765408	-0.0080953	0.0170403	0.634736	1.1737	0.174454	1.72E-11	-0.0068973	0.0145546	0.6355781	0.5370023	8	0.93167523
ENSG00000167766	19	ZNF83	53097313	rs7256557	19	53119166	A	G	0.350895	-0.017054	0.00834443	0.0409779	0.380996	0.0603559	2.75E-10	-0.0447616	0.0230209	0.05184853	0.5727679	13	0.59174573
ENSG00000268225	19	CTD-2331H12.5	53365060	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.73481	0.0877508	5.58E-17	-0.0157754	0.0114892	0.1697338	0.5497809	9	0.6779252
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.578192	0.0640348	1.73E-19	-0.0200485	0.0145739	0.1689301	0.6401086	10	0.6779252
ENSG00000269001	19	ZNF818P	53716241	rs11673357	19	53700807	C	T	0.798211	-0.0108801	0.00952774	0.253481	-0.696777	0.116202	2.02E-09	0.0156149	0.0139198	0.2619569	0.03046351	9	0.77251343
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-0.912343	0.118634	1.47E-14	0.00420065	0.0113227	0.7106436	0.5848736	13	0.94727701
ENSG00000167608	19	TMC4	54663846	rs2576452	19	54676433	C	T	0.564612	-0.017559	0.00822644	0.032805	0.532212	0.0824049	1.06E-10	-0.0329925	0.0162793	0.04269835	0.03364634	10	0.5391837
ENSG00000170889	19	RPS9	54704610	rs35740980	19	54713254	A	C	0.422465	-0.0057883	0.00820889	0.480729	-0.25474	0.0406638	3.74E-10	0.0227225	0.0324281	0.4834866	0.2689489	4	0.88426028
ENSG00000268496	19	CTD-2587H19.2	54945363	rs3745428	19	54940303	T	A	0.340954	0.00020347	0.00810531	0.979973	0.422341	0.0642205	4.82E-11	0.00048176	0.0191915	0.9799731	0.8382149	15	0.99593757
ENSG00000022556	19	NLRP2	55464498	rs4422092	19	55474210	A	G	0.44334	-0.0058256	0.00824967	0.480088	0.738857	0.0853816	4.99E-18	-0.0078846	0.0112026	0.4815436	0.6406405	20	0.88426028
ENSG00000180089	19	TMEM86B	55738007	rs3826886	19	55741205	A	G	0.159046	-0.01077	0.0115211	0.349889	0.642576	0.0989259	8.27E-11	-0.0167607	0.0181143	0.3548235	0.4720702	6	0.8429066
ENSG00000108107	19	RPL28	55896713	rs17700376	19	55897327	G	A	0.37674	0.0024536	0.008364	0.769253	-0.239872	0.0426804	1.91E-08	-0.0102288	0.0349161	0.7695576	0.5935712	5	0.94953271
ENSG00000267454	19	ZNF582-AS1	56905025	rs12610115	19	56915855	A	C	0.492048	-0.0024952	0.00819003	0.760624	-0.606304	0.0824513	1.93E-13	0.00411541	0.0135197	0.7608226	0.236865	8	0.94873228
ENSG00000166770	19	ZNF667-AS1	56988619	rs10409168	19	57008134	T	C	0.715706	-0.0107905	0.00831605	0.194443	-0.531148	0.0713698	9.90E-14	0.0203154	0.0158929	0.2011549	0.08460714	16	0.718983
ENSG00000269696	19	AC007228.11	57056935	rs12981980	19	57050648	A	G	0.292247	-0.0180638	0.00895414	0.0436576	0.794586	0.103972	2.13E-14	-0.0227336	0.0116549	0.05111012	0.3241599	20	0.59174573
ENSG00000105146	19	AURKC	57742377	rs55736291	19	57751972	C	T	0.252485	0.00780861	0.00859628	0.363682	0.707927	0.119812	3.45E-09	0.0110302	0.0122855	0.36928	0.5487074	7	0.84538623
ENSG00000186230	19	ZNF749	57946697	rs7255035	19	57943697	G	A	0.505964	-0.0019558	0.00808678	0.808893	1.03436	0.0735144	5.79E-45	-0.0018909	0.0078193	0.808921	0.7424142	20	0.95331821
ENSG00000268266	19	AC003005.2	57989017	rs12976560	19	57990916	C	G	0.360835	-0.0272659	0.00887942	0.00213565	-0.809337	0.118815	9.64E-12	0.0336892	0.0120345	0.00511991	0.1518753	16	0.29710542
ENSG00000105136	19	ZNF419	57999079	rs10409092	19	58009514	G	A	0.684891	-0.0021517	0.00913413	0.813771	-0.701177	0.0940484	8.95E-14	0.00306865	0.0130334	0.8138624	0.1299573	20	0.95331821
ENSG00000083828	19	ZNF586	58281023	rs7255898	19	58313576	A	G	0.593439	0.0152914	0.008163	0.0610323	0.516663	0.0895085	7.82E-09	0.0295965	0.0166106	0.07478546	0.07013176	13	0.61480595
ENSG00000204514	19	ZNF814	58360099	rs28374851	19	58361328	C	G	0.289264	0.0121378	0.00832495	0.144839	-0.451475	0.0757225	2.49E-09	-0.0268848	0.0189828	0.1566961	0.4940321	17	0.67326138
ENSG00000270804	19	CTD-2583A14.11	58379253	rs10406133	19	58379986	T	C	0.287276	0.00582301	0.0084775	0.49216	0.662092	0.0923604	7.58E-13	0.00879487	0.0128628	0.4941352	0.236393	6	0.88426028
ENSG00000196724	19	ZNF418	58433252	rs6510112	19	58417426	A	G	0.252485	0.00603171	0.00855088	0.480567	-0.509132	0.0870438	4.94E-09	-0.011847	0.0169167	0.4837298	0.1823792	5	0.88426028
ENSG00000176593	19	CTD-2368P22.1	58513429	rs1035522	19	58510932	C	T	0.703777	0.0158274	0.00885709	0.0739418	-0.650469	0.0781046	8.21E-17	-0.0243323	0.0139264	0.08060145	0.07220254	20	0.62856388
ENSG00000171574	19	ZNF584	58912871	rs893187	19	58963018	G	C	0.250497	0.00595604	0.00891681	0.504162	0.379797	0.0684823	2.92E-08	0.0156822	0.0236475	0.5072257	0.6434117	10	0.88426028
ENSG00000213753	19	RPL23AP79	59084870	rs895374	19	59066918	C	A	0.596421	-0.0073105	0.00848721	0.389044	0.557848	0.0619757	2.24E-19	-0.0131048	0.0152837	0.3912042	0.641811	12	0.86143514
ENSG00000101255	20	TRIB3	361261	rs62191434	20	360062	C	T	0.437376	0.00624943	0.00809279	0.439982	0.497327	0.0907036	4.18E-08	0.012566	0.0164332	0.444465	0.9380959	6	0.8760777
ENSG00000101307	20	SIRPB1	1544167	rs4813331	20	1897442	T	C	0.374751	-0.001907	0.0083717	0.819812	1.14899	0.0852453	2.09E-41	-0.0016597	0.00728718	0.8198375	0.9999714	20	0.95533382
ENSG00000230839	20	RP5-968J1.1	1784662	rs200895	20	1789798	C	G	0.653082	-0.0173099	0.00833653	0.0378582	0.593941	0.0716562	1.14E-16	-0.0291441	0.0144697	0.04399325	0.2703837	7	0.54580431
ENSG00000125877	20	ITPA	3189514	rs112200085	20	3196390	A	G	0.129225	0.00157304	0.0149309	0.916095	-0.759771	0.0852873	5.18E-19	-0.0020704	0.0196532	0.9161002	0.5536231	20	0.97987891
ENSG00000101236	20	RNF24	3907956	rs6116153	20	3996208	T	C	0.446322	-0.0211003	0.00807461	0.00897078	-0.532309	0.0886611	1.93E-09	0.0396392	0.0165436	0.01657286	0.03903192	15	0.44186828
ENSG00000089063	20	TMEM230	5080486	rs2715	20	5081049	C	T	0.548708	0.00115186	0.00814015	0.887472	0.401774	0.0711745	1.65E-08	0.00286694	0.0202669	0.8875073	0.1992876	6	0.97971665
ENSG00000101290	20	CDS2	5107432	rs6053191	20	5180277	C	T	0.455268	-0.0075007	0.00826618	0.364198	0.393937	0.0573211	6.31E-12	-0.0190403	0.0211656	0.3683404	0.6817087	15	0.84538623
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	1.15736	0.118072	1.10E-22	0.00282562	0.00852592	0.7403309	0.6281816	9	0.94727701
ENSG00000171984	20	C20orf196	5731039	rs2326660	20	5726401	T	C	0.148111	0.00669334	0.0133924	0.617224	-0.769148	0.13154	5.00E-09	-0.0087023	0.0174755	0.6185047	0.9732723	3	0.92780325
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.549533	0.0833211	4.24E-11	0.00581093	0.0179825	0.7465868	0.2006221	12	0.94727701
ENSG00000100987	20	VSX1	25051521	rs1005409	20	25044023	T	G	0.188867	-0.014861	0.0104773	0.156074	-0.480711	0.0661543	3.69E-13	0.0309146	0.0222068	0.1638841	0.528941	13	0.67326138
ENSG00000100997	20	ABHD12	25275379	rs6138609	20	25570985	A	T	0.427435	-0.0043619	0.00809943	0.590201	0.325767	0.0493603	4.12E-11	-0.0133897	0.0249453	0.5914326	0.5274512	20	0.9195402
ENSG00000175170	20	FAM182B	25744102	rs2424750	20	25978849	A	C	0.599404	-0.0112209	0.00822069	0.172267	0.878095	0.106452	1.60E-16	-0.0127787	0.00948927	0.1780943	0.3605752	20	0.69192294
ENSG00000125804	20	FAM182A	26035291	rs2721984	20	26079556	A	G	0.508946	-0.0131453	0.00807358	0.103485	-0.765291	0.0994234	1.39E-14	0.0171769	0.0107831	0.1111736	0.5594019	20	0.64481993
ENSG00000205611	20	RP4-610C12.4	29513582	rs6119125	20	29641570	C	G	0.522863	-0.0187987	0.00809703	0.0202502	0.548988	0.0978382	2.01E-08	-0.0342425	0.0159617	0.03192922	0.9703215	20	0.49768191
ENSG00000238151	20	MLLT10P1	29637799	rs6119047	20	29574340	A	G	0.149105	-0.0036042	0.00991427	0.716201	0.917287	0.150556	1.11E-09	-0.0039292	0.0108275	0.7166839	0.3399977	8	0.94727701
ENSG00000198547	20	C20orf203	31219428	rs80104500	20	31296998	A	G	0.249503	-0.0057898	0.00946912	0.540909	0.675262	0.0904604	8.35E-14	-0.0085741	0.0140698	0.5422605	0.1368855	12	0.8990588
ENSG00000126005	20	MMP24-AS1	33804265	rs2297789	20	33867248	T	A	0.200795	0.0204524	0.00965069	0.0340675	-0.608253	0.0734569	1.23E-16	-0.0336248	0.0163777	0.04006368	0.9380369	9	0.51663817
ENSG00000224497	20	RPL36P4	34132175	rs17092784	20	34142287	A	G	0.158052	-0.0019897	0.0129211	0.877621	1.09558	0.120404	9.10E-20	-0.0018161	0.0117955	0.8776387	0.4955993	20	0.97812135
ENSG00000214078	20	CPNE1	34213953	rs146367992	20	34289650	A	T	0.101392	0.00521284	0.0150369	0.72884	-0.978901	0.105718	2.05E-20	-0.0053252	0.0153718	0.7290217	0.8171572	20	0.94727701

ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.26926	0.113933	7.97E-29	0.0031211	0.00870706	0.7200017	0.2444434	20	0.94727701
ENSG00000196756	20	SNHG17	37049235	rs788347	20	37062583	T	C	0.159046	0.0114055	0.0110916	0.30381	1.58352	0.124712	6.11E-37	0.00720262	0.00702733	0.3053891	0.65224	20	0.80715034
ENSG00000244558	20	RP11-445H22.4	43323533	rs716869	20	43286709	A	G	0.743539	-0.0060048	0.00932933	0.519808	-0.413888	0.0751053	3.57E-08	0.0145082	0.0226939	0.5226301	0.0707883	4	0.88902293
ENSG00000101104	20	PABPC1L	43538703	rs16989483	20	43537200	C	T	0.287276	-0.0285103	0.00942092	0.00247588	-0.501988	0.0624785	9.39E-16	0.0567948	0.0200543	0.00462514	0.9284671	8	0.28633186
ENSG00000124116	20	WFDC3	44376583	rs6032548	20	44425837	G	C	0.657058	-0.0071994	0.00853688	0.399048	1.05241	0.0915125	1.32E-30	-0.0068408	0.00813352	0.4003116	0.1283292	20	0.86792834
ENSG00000225849	20	MKRN7P	45092541	rs7266119	20	45100761	T	C	0.0576541	0.00111505	0.0183064	0.951431	1.13522	0.187041	1.28E-09	0.00098223	0.0161267	0.951433	0.3545122	5	0.99296872
ENSG00000158296	20	SLC13A3	45186463	rs863672	20	45199926	T	C	0.817097	-0.0034994	0.0115919	0.762743	-0.838804	0.0936411	3.32E-19	0.00417186	0.0138274	0.7628736	0.4044613	11	0.94873228
ENSG00000231742	20	RP11-112L6.4	48789087	rs6122883	20	48789373	G	A	0.345924	0.00637556	0.00847788	0.452037	0.788708	0.101531	7.97E-15	0.00808355	0.0107993	0.4541444	0.6624425	9	0.87797516
ENSG00000019186	20	CYP24A1	52769988	rs2248461	20	52792202	A	G	0.38171	0.004766	0.00864075	0.581242	-0.718264	0.105111	8.29E-12	-0.0066354	0.0120692	0.5824673	0.2428314	12	0.91214319
ENSG00000101158	20	NELFCD	57556263	rs17851253	20	57564695	T	C	0.119284	0.00182028	0.0108145	0.866332	-0.611197	0.0907722	1.66E-11	-0.0029782	0.0176995	0.8663741	0.9551799	14	0.97450157
ENSG00000101181	20	MTG2	60758085	rs6062133	20	60768615	A	G	0.135189	-0.0132231	0.0104603	0.206189	0.703983	0.102587	6.78E-12	-0.0187833	0.0151087	0.2137924	0.4473786	10	0.7320182
ENSG00000101190	20	TCFL5	61472467	rs1980500	20	61473841	C	T	0.274354	0.0195559	0.00915807	0.0327303	0.464254	0.0663231	2.56E-12	0.0421233	0.0206239	0.04110679	0.1692744	8	0.52664738
ENSG00000231133	20	HAR1B	61726845	rs111435192	20	61734190	A	G	0.241551	-0.0153337	0.00957251	0.10919	-0.593935	0.0954644	4.92E-10	0.0258171	0.0166427	0.1208403	0.5110464	11	0.65842282
ENSG00000225978	20	HAR1A	61733483	rs111435192	20	61734190	A	G	0.241551	-0.0153337	0.00957251	0.10919	-0.539062	0.0761073	1.41E-12	0.0284451	0.0182062	0.1181961	0.361641	7	0.65690396
ENSG00000101198	20	NKAIN4	61872136	rs147378830	20	61885230	C	G	0.0934394	-0.0221106	0.0168508	0.189474	0.574598	0.0846553	1.14E-11	-0.0384801	0.0298692	0.1976458	0.5150951	11	0.71320307
ENSG00000130584	20	ZBTB46	62375019	rs4809370	20	62470872	T	C	0.393638	0.00145674	0.00841188	0.862513	0.34126	0.0617306	3.24E-08	0.00426871	0.0246616	0.8625794	0.242323	8	0.97305269
ENSG00000149656	20	LINC00266-1	62921738	rs117793083	20	62911605	A	G	0.05666	0.0569029	0.019809	0.00407136	1.59716	0.249895	1.64E-10	0.0356276	0.0135978	0.00879026	0.5508096	3	0.38540393
ENSG00000224924	21	LINC00320	22114908	rs34328150	21	22113448	G	T	0.816103	0.00036782	0.00910486	0.967776	-0.313055	0.0507399	6.84E-10	-0.0011749	0.0290845	0.9677764	0.908528	10	0.99493047
ENSG00000273492	21	AP000230.1	27543189	rs457581	21	27594480	A	G	0.238569	-0.0083468	0.00930417	0.369665	1.07343	0.0956417	3.13E-29	-0.0077758	0.00869535	0.3711887	0.3408626	20	0.84538623
ENSG00000156239	21	N6AMT1	30244513	rs60584984	21	30276780	G	C	0.204771	-0.0164	0.00997588	0.100183	-0.670931	0.0978698	7.11E-12	0.0244436	0.0152903	0.1099005	0.3385701	14	0.64481993
ENSG00000156253	21	RWDD2B	30376705	rs9982332	21	30392826	G	C	0.712724	-0.0216368	0.0106885	0.0429378	-0.801512	0.0792732	4.95E-24	0.026995	0.0136001	0.047154	0.3784681	20	0.56578717
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.532053	0.071043	6.93E-14	-0.0297611	0.0167895	0.07629375	0.1024838	5	0.61606353
ENSG00000231106	21	AP000688.8	37377636	rs61738607	21	37377631	A	G	0.348907	0.00376144	0.00841153	0.654748	0.945276	0.0889715	2.29E-26	0.0039792	0.00890637	0.6550331	0.3852866	20	0.93515218
ENSG00000185917	21	SETD4	37406839	rs62230788	21	37380337	T	A	0.360835	0.00412483	0.00825071	0.617119	-0.608363	0.0847238	6.94E-13	-0.0067802	0.013595	0.6179703	0.5731733	20	0.92780325
ENSG00000159228	21	CBR1	37442239	rs2835228	21	37375643	T	C	0.72167	0.0132114	0.00884856	0.135423	-0.399399	0.0565598	1.65E-12	-0.0330782	0.0226445	0.1440808	0.332152	16	0.66790255
ENSG00000159231	21	CBR3	37507210	rs1543655	21	37483374	A	G	0.331014	0.00719055	0.00883097	0.415506	-0.44407	0.0741789	2.14E-09	-0.0161924	0.0200695	0.4197738	0.9735699	7	0.8760777
ENSG00000224790	21	AP000704.5	38338812	rs13046468	21	38339455	T	C	0.430417	0.0092834	0.00807436	0.250251	-1.00484	0.0969186	3.47E-25	-0.0092387	0.00808473	0.2531494	0.1783523	20	0.76442105
ENSG00000157578	21	LCA5L	40777770	rs4816628	21	40822940	A	C	0.520875	0.00452343	0.00806455	0.574864	-0.88588	0.10082	1.54E-18	-0.0051061	0.00912196	0.5756407	0.01333062	20	0.91214319
ENSG00000141956	21	PRDM15	43218385	rs143393748	21	43298846	T	C	0.12326	-0.0021272	0.0141624	0.880606	0.614436	0.106288	7.43E-09	-0.003462	0.0230572	0.8806464	0.2704302	8	0.97812135
ENSG00000184385	21	C21orf128	43522244	rs2839466	21	43512324	A	G	0.200795	-0.0004465	0.00921962	0.961378	0.507262	0.0848383	2.24E-09	-0.0008801	0.0181759	0.9613794	0.3041684	7	0.99296872
ENSG00000235772	21	AP001625.6	43980484	rs12483424	21	43981658	A	G	0.21173	-0.0097002	0.00934171	0.299094	-0.887974	0.140733	2.80E-10	0.010924	0.0106618	0.3055541	0.4351975	8	0.80715034
ENSG00000235023	21	AP001626.2	44068381	rs915848	21	44053466	C	T	0.357853	-0.0012627	0.00808527	0.875898	-0.462842	0.0806063	9.36E-09	0.0027281	0.0174752	0.8759442	0.8689357	5	0.97812135
ENSG00000160200	21	CBS	44473301	rs234728	21	44448775	A	G	0.372763	0.00043497	0.0081349	0.957358	-0.644076	0.0872307	1.54E-13	-0.0006753	0.0126307	0.9573593	0.7655689	20	0.99296872
ENSG00000241945	21	PWP2	45527171	rs12627239	21	45515823	G	A	0.178926	0.00066253	0.01089	0.951488	1.36856	0.127377	6.31E-27	0.00048411	0.0079574	0.9514885	0.3000938	15	0.99296872
ENSG00000160221	21	C21orf33	45553487	rs3788104	21	45512094	A	G	0.16501	-0.0090425	0.0116415	0.437309	1.49354	0.134135	8.51E-29	-0.0060544	0.00781351	0.4384211	0.1065517	15	0.8760777
ENSG00000160226	21	C21orf2	45748827	rs73374031	21	45759197	C	G	0.238569	-0.003711	0.0100537	0.712041	0.471872	0.0693944	1.05E-11	-0.0078644	0.0213374	0.7124459	0.9292768	4	0.94727701
ENSG00000183250	21	C21orf67	46352729	rs4818989	21	46356816	G	A	0.356859	-0.004873	0.00848587	0.5658	-0.4446	0.0579011	1.61E-14	0.0109604	0.0191398	0.566882	0.668324	19	0.91214319
ENSG00000215447	21	BX322557.10	46707967	rs2838865	21	46712299	T	C	0.296223	0.0138434	0.00914124	0.129927	-0.764957	0.0667712	2.18E-30	-0.018097	0.012054	0.1332703	0.3247472	20	0.66232318
ENSG00000223768	21	LINC00205	46713200	rs2838865	21	46712299	T	C	0.296223	0.0138434	0.00914124	0.129927	-1.02148	0.0742427	4.52E-43	-0.0135523	0.00900306	0.1322473	0.2092957	20	0.66112183
ENSG00000142156	21	COL6A1	47401651	rs9983378	21	47398411	G	A	0.32008	0.00249089	0.00873512	0.775524	0.520574	0.0718782	4.41E-13	0.00478489	0.0167928	0.7756922	0.8505526	20	0.94953271
ENSG00000160282	21	FTCD	47556176	rs4818827	21	47593484	A	G	0.754473	0.00898747	0.0110121	0.414416	0.638431	0.102807	5.30E-10	0.0140774	0.017397	0.4184078	0.8216256	14	0.8760777
ENSG00000182362	21	YBEY	47706251	rs4819238	21	47746882	G	A	0.824056	-0.0176979	0.00954515	0.0637206	-1.03937	0.104319	2.20E-23	0.0170275	0.00934126	0.06832905	0.5291691	20	0.61480595
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.1442	0.100848	7.78E-30	0.0138384	0.00820191	0.0915617	0.5116656	20	0.64379887
ENSG00000273203	22	AC006946.16	17548711	rs17806974	22	17539129	A	G	0.125249	0.00709853	0.0109047	0.515073	-1.06087	0.185012	9.80E-09	-0.0066912	0.010345	0.5177575	0.3362885	6	0.88902293
ENSG00000235478	22	AC006946.15	17602476	rs79743777	22	17614488	A	G	0.0457256	-0.0156678	0.0185974	0.399523	-0.923157	0.163843	1.76E-08	0.016972	0.0203694	0.4047263	0.2003354	13	0.86982438
ENSG00000237517	22	DGCR5	18958027	rs2540626	22	18954191	C	T	0.322068	-0.0055612	0.0094633	0.55676	-0.403996	0.0670519	1.69E-09	0.0137655	0.0235354	0.5586248	0.4156421	8	0.91086573
ENSG00000273032	22	DGCR9	19005347	rs8136002	22	18969794	A	C	0.640159	-0.0024538	0.00886201	0.781865	-0.322946	0.05762	2.09E-08	0.00759814	0.0274746	0.7821246	0.00844627	20	0.94953271
ENSG00000273164	22	DGCR10	19010569	rs62230772	22	19010149	C	T	0.302187	0.0142084	0.00864654	0.100332	-0.977779	0.0807378	9.29E-34	-0.0145313	0.00892407	0.1034558	0.3317725	20	0.64481993
ENSG00000070413	22	DGCR2	19023795	rs8135308	22	19087915	G	T	0.187873	0.0170444	0.0110278	0.122206	0.37521	0.0619829	1.42E-09	0.0454263	0.0303339	0.134252	0.01016298	9	0.66377984
ENSG00000273311	22	DGCR11	19033675	rs2800985	22	19078409	T	C	0.351889	0.0208499	0.0088439	0.0183963	0.499831	0.0883609	1.54E-08	0.0417139	0.019169	0.02954659	0.4867382	4	0.48674683
ENSG00000070371	22	CLTCL1	19166986	rs67966911	22	19283871	A	T	0.083499	0.00927048	0.0192114	0.629415	1.1176	0.184225	1.31E-09	0.00829499	0.0172442	0.630494	0.2562853	13	0.93028115
ENSG00000185065	22	AC000068.5	19435416	rs75637138	22	19440597	A	G	0.182903	-0.0033581	0.00982288	0.732452	-0.733914	0.123863	3.12E-09	0.00457563	0.0134065	0.7328781	0.5190841	9	0.94727701
ENSG00000185838	22	GNB1L	19770747	rs3788304	22	19840196	G	C	0.201789	-0.0176159	0.0104327	0.0913103	0.56973	0.0828593	6.16E-12	-0.0309197	0.0188557	0.1010455	0.2328895	7	0.64481993
ENSG00000223553	22	SMPD4P1	20956882	rs8136537	22	21046797	A	G	0.550696	-0.0059442	0.00881555	0.500132	0.656136	0.0987192	3.00E-11	-0.0090593	0.0135045	0.5023238	0.4201817	20	0.88426028
ENSG00000099940	22	SNAP29	21213271	rs5759762	22	21004024	T	A	0.082505	0.00851531	0.0152842	0.577438	-0.806371	0.128228	3.20E-10	-0.01056	0.0190285	0.5789235	0.2495256	5	0.91214319
ENSG00000230513	22	THAP7-AS1	21356175	rs1966316	22	21366634	G	A	0.213718	0.00665228	0.00936429	0.477463	-0.812754	0.124587	6.86E-11	-0.0081849	0.0115898	0.4800556	0.5452183	9	0.88426028
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.58167	0.153111	5.15E-25	0.00484896	0.0113062	0.6680125	0.6814951	9	0.94200099
ENSG00000183506	22	PI4KAP2	21827289	rs165598	22	21216695	C	A	0.476143	0.00412096	0.00877598	0.63866	0.642398	0.0875463	2.17E-13	0.00641496	0.0136892	0.6393455	0.7874831	20	0.93439161
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.937261	0.0801553	1.38E-31	-0.0011679	0.00889363	0.8955277	0.1151287	20	0.97987891
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.602704	0.0910956	3.69E-11	-0.0059432	0.0147666	0.687335	0.2588592	7	0.94651419
ENSG00000128266	22	GNAZ	23412540	rs2267001	22	23456696	C	T	0.558648	-0.021096	0.00806511	0.0089041	-0.280899	0.0478567	4.37E-09	0.0751017	0.0314337	0.01688476	0.7809348	10	0.44418175
ENSG00000100228	22	RAB36	23487513	rs3788342	22	23423107	G	T	0.275348	-0.0142097	0.00889389	0.110111	0.370673	0.0666998	2.74E-08	-0.0383349	0.0249658	0.124662	0.5478325	9	0.65842282
ENSG00000186716	22	BCR	23521891	rs180806	22	23655219	A	G	0.37674	-0.008206	0.00822411	0.318376	-0.377917	0.062038	1.12E-09	0.0217138	0.0220517	0.3247814	0.5801734	4	0.82362657
ENSG00000133519	22	ZDHHC8P1	23732793	rs8140608	22	23744699	C	T	0.0238569	-0.0203784	0.0280213	0.467075	1.04989	0.164913	1.94E-10	-0.01941	0.0268633	0.4699578	0.9943478	5	0.88426028
ENSG00000227755	22	AP000344.4	23788785	rs56806351	22	23776219	A	G	0.158052	-0.001095	0.0103144	0.915454	0.720907	0.113151	1.88E-10	-0.0015189	0.0143095	0.9154653	0.3521714	13	0.97987891
ENSG00000234353	22	AP000347.4	23980679	rs113737068	22	23977763	T	C	0.170974	-0.0039368	0.013929	0.77746	-0.387577	0.0659301	4.14E-09	0.0101574	0.0359802	0.7777096	0.8542672	3	0.94953271
ENSG00000272578	22	AP000347.2	24000281	rs7289104	22	23977513	G	A	0.172962	-0.0043154	0.0139265	0.756662	-0.492906	0.0821661	1.99E-09	0.00875493	0.0282915	0.756976	0.6988927	3	0.94873228
ENSG00000128218	22	VPREB3	24094930	rs11705032	22	24169707	C	G	0.11829	0.0191943	0.0119641	0.108642	1.28454	0.155205	1.27E-16	0.0149425	0.00948729	0.1152548	0.4305782	14	0.64720285
ENSG00000218537	22	AP000350.4	24236613	rs5751771	22	24258777	T	C	0.606362	0.00963985	0.0083451	0.248028	0.817424	0.107021	2.21E-14	0.011793	0.0103251	0.2533864	0.3107066	12	0.76442105
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.17876	0.0845524	3.56E-44	0.00744316	0.00710373	0.2947391	0.1670318	20	0.80346119
ENSG00000225282	22	AP000350.6	24269087	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.996894	0.10049	3.40E-23	0.00880104	0.00842278	0.2960651	0.2359699	20	0.80544615
ENSG00000133433	22	GSTT2B	24299601	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	-0.905809	0.0978777	2.15E-20	-0.009686	0.00927741	0.2964642	0.1782569	19	0.80544615
ENSG00000099977	22	DDT	24313554	rs5751760	22	24243573	A	G	0.56163	0.0130336	0.00828851	0.115837	0.400821	0.0684291	4.70E-09	0.0325173	0.021411	0.1288343	0.8305092	9	0.65842282
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.765707	0.10876	1.92E-12	0.0161716	0.0109972	0.1414222	0.8514185	10	0.66434762
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.20759	0.123372	1.27E-22	-0.0106357	0.00908853	0.2419059	0.6970579	15	0.75158302
ENSG00000224205	22	AP000351.4	24329511	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	1.03533	0.0966144	8.55E-27	0.0119601	0.00803183	0.1364628	0.88976	20	0.66434762
ENSG00000100058	22	CRYBB2P1	25844072	rs6004675	22	25889385	C	A	0.0715706	-0.0400432	0.0156027	0.010275	1.03648	0.131047	2.59E-15	-0.0386338	0.0158262	0.01464139	0.3473653	9	0.44186828
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.09324	0.143955	3.09E-14	0.0366593	0.0150621	0.01493791	0.2415303	8	0.44186828
ENSG00000261188	22	CTA-445C9.14	26908503	rs134144	22	26908970	A	G	0.0487078	0.0205675	0.0291476	0.480417	-0.790904	0.141434	2.24E-08	-0.0260051	0.0371458	0.4838766	0.6816236	14	0.88426028
ENSG00000230051	22	CTA-929C8.8	27727748	rs9620684	22	27728006	C	G	0.164016	0.00099872	0.0104647	0.923968	0.80138	0.124853	1.38E-10	0.00124625	0.0130598	0.9239762	0.9927425	8	0.98275204
ENSG00000235954	22	TTC28-AS1	28315364	rs2267128	22	28316173	A	G	0.0586481	-0.0221559	0.018107	0.221099	0.898976	0.132271	1.07E-11	-0.0246457	0.0204656	0.2284935	0.7582997	20	0.73598765
ENSG00000214491	22	SEC14L6	30918786	rs4820865	22	30936781	G	A	0.754473	-0.0085131	0.00891926	0.339851	0.477196	0.0867099	3.73E-08	-0.0178398	0.01897	0.3470012	0.96129	3	0.8363037
ENSG00000237977	22	EIF4HP2	31298206	rs5753377	22	31293700	A	G	0.277336	0.0110636	0.00896944	0.217399	-0.748379	0.0926449	6.59E-16	-0.0147834	0.0121241	0.2227137	0.8374776	8	0.73598765
ENSG00000241878	22	PISD	32014477	rs131233	22	32117100	A	C	0.204771	0.00456084	0.00988786	0.644614	0.316212	0.0519587	1.16E-09	0.0144234	0.0313594	0.6455612	0.1139714	18	0.93485806
ENSG00000100348	22	TXN2	36863083	rs62229996	22	36906128	C	T	0.028827	-0.0059267	0.0181589	0.744139	0.767518	0.116006	3.69E-11	-0.0077218	0.023688	0.7444389	0.8029402	12	0.94727701
ENSG00000100350	22	FOXRED2	36883237	rs74399759	22	36792307	C	G	0.0606362	0.0221974	0.0158053	0.160191	1.09371	0.185956	4.06E-09	0.0202955	0.0148574	0.1719317	0.2138993	14	0.67980209
ENSG00000234688	22	RP1-293L6.1	37099963	rs5756319	22	37117819	T	C	0.67992	-0.0142456	0.0082256	0.083299	0.555144	0.0843939	4.77E-11	-0.0256611	0.015322	0.09397571	0.00446947	3	0.64379887
ENSG00000100360	22	IFT27	37154246	rs8135284	22	37182681	T	C	0.757455	-0.0091531	0.00891451	0.304532	-0.395596	0.0673897	4.35E-09	0.0231375	0.0228765	0.3118209	0.4629396	4	0.81378166
ENSG00000133466	22	C1QTNF6	37576207	rs4821596	22	37578995	T	C	0.21173	-0.0194353	0.0103516	0.0604477	-0.575336	0.0696876	1.51E-16	0.0337808	0.0184517	0.06713458	0.6773952	11	0.61480595
ENSG00000243902	22	RP1-63G5.5	37735624	rs739190	22	37758272	C	T	0.962227	0.0223816	0.0210578	0.287843	-0.993549	0.160279	5.69E-10	-0.0225269	0.0215038	0.2948332	0.8294761	4	0.80346119
ENSG00000184949	22	FAM227A	38974125	rs1043312	22	39131727	G	T	0.364811	-0.0040684	0.0084251	0.629174	0.576916	0.0880695	5.73E-11	-0.007052	0.0146433	0.6301025	0.8853476	20	0.93028115
ENSG00000235209	22	CTA-150C2.13	39317232	rs6001315	22	39304924	G	A	0.630219	0.0146383	0.00839842	0.0813373	0.801002	0.105308	2.82E-14	0.018275	0.0107567	0.08932908	0.6852937	3	0.64379887
ENSG00000239713	22	APOBEC3G	39436924	rs6519166	22	39472177	A	C	0.635189	0.00090712	0.00815957	0.911479	-0.480881	0.0641017	6.29E-14	-0.0018864	0.0169698	0.9114888	0.8954219	13	0.97987891
ENSG00000100413	22	POLR3H	41921808	rs11554327	22	41940371	G	T	0.217694	0.0223299	0.00939808	0.0175009	0.390884	0.0661905	3.52E-09	0.0571267	0.0259162	0.0275045	0.5054572	12	0.47888085
ENSG00000172346	22	CSDC2	41956767	rs17367716	22	41913844	G	A	0.214712	0.0216841	0.00950815	0.0225736	0.651599	0.0914975	1.07E-12	0.0332783	0.015322	0.02986101	0.5049986	14	0.48690721
ENSG00000167077	22	MEI1	42095503	rs4822027	22	41786227	A	G	0.225646	0.0215259	0.00947166	0.0230468	0.647042	0.110654	4.99E-09	0.0332682	0.0157052	0.03414999	0.2689687	20	0.49917972
ENSG00000100162	22	CENPM	42334725	rs73165147	22	42336237	G	A	0.115308	0.00784364	0.0130599	0.548113	0.875104	0.153349	1.15E-08	0.00896309	0.0150062	0.5503133	0.3498962	10	0.90707447
ENSG00000183066	22	WBP2NL	42394729	rs133335	22	42416056	G	A	0.479125	0.00635038	0.00804776	0.430061	0.647925	0.0862084	5.66E-14	0.0098011	0.0124891	0.4325865	0.01237328	20	0.8760777
ENSG00000198951	22	NAGA	42454358	rs6002609	22	42496829	A	C	0.331014	0.00372069	0.00830115	0.653999	-0.36852	0.0571467	1.13E-10	-0.0100963	0.02258	0.6547775	0.3360342	20	0.93515218
ENSG00000183172	22	SMDT1	42475695	rs6002631	22	42519258	G	A	0.472167	0.00239359	0.00829096	0.772812	-0.241458	0.0436792	3.24E-08	-0.0099131	0.0343839	0.7731126	0.2568914	20	0.94953271
ENSG00000100197	22	CYP2D6	42522501	rs2743451	22	42534682	T	C	0.531809	-0.0072824	0.00808875	0.367954	0.713427	0.0797619	3.74E-19	-0.0102076	0.0113952	0.3703666	0.1680676	20	0.84538623
ENSG00000227370	22	RP4-669P10.19	42528550	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	0.761535	0.103409	1.78E-13	-0.0268571	0.0167468	0.1087771	0.1294862	20	0.64481993
ENSG00000205702	22	CYP2D7P1	42536214	rs28515621	22	42534126	G	T	0.337972	0.00256672	0.0083714	0.759144	-0.471307	0.0741454	2.06E-10	-0.005446	0.0177827	0.7594145	0.2400388	20	0.94873228
ENSG00000189306	22	RRP7A	42905974	rs136980	22	42943481	A	G	0.154076	0.00772185	0.0112081	0.490851	0.865342	0.120747	7.69E-13	0.00892347	0.0130119	0.4928449	0.8604934	20	0.88426028
ENSG00000182841	22	RRP7B	42951229	rs137133	22	43021607	T	C	0.0884692	-0.0005478	0.0146201	0.970109	-0.608589	0.0958802	2.19E-10	0.00090017	0.0240234	0.9701098	0.6508918	20	0.99493047
ENSG00000159307	22	SCUBE1	43593289	rs2007836	22	43693733	C	T	0.822068	-0.0088793	0.00984306	0.367011	-0.709783	0.118151	1.89E-09	0.0125099	0.0140232	0.372347	0.1224071	4	0.84538623
ENSG00000093000	22	NUP50	45559722	rs132887	22	45570105	C	G	0.687873	-0.0148808	0.00859244	0.083301	0.35586	0.0572522	5.11E-10	-0.0418164	0.0250653	0.09525601	0.4777658	6	0.64481993
ENSG00000100373	22	UPK3A	45680863	rs2673088	22	45683246	T	C	0.73161	0.00334794	0.0091134	0.713347	-0.659463	0.119623	3.53E-08	-0.0050768	0.0138501	0.7139535	0.2367911	3	0.94727701
ENSG00000100376	22	FAM118A	45704849	rs3747240	22	45740224	A	G	0.865805	0.0127512	0.0105659	0.227499	-1.44042	0.140595	1.24E-24	-0.0088524	0.00738601	0.2307072	0.5897668	17	0.73598765
ENSG00000128408	22	RIBC2	45809572	rs136578	22	45770619	T	C	0.505964	-0.0053748	0.00806782	0.505281	-0.590426	0.0989631	2.43E-09	0.00910329	0.0137493	0.5079137	0.1702845	11	0.88426028
ENSG00000075234	22	TTC38	46663858	rs6008534	22	46685249	A	G	0.0248509	-0.0228727	0.0296319	0.440177	0.738946	0.0932817	2.34E-15	-0.0309531	0.0402901	0.4423352	0.5009935	7	0.8760777
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.915635	0.0856261	1.09E-26	0.00244402	0.00928112	0.7922944	0.8791873	20	0.95044568
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.63643	0.202982	7.51E-16	0.0307857	0.0162649	0.05838815	0.00522972	16	0.5969465
ENSG00000100429	22	HDAC10	50683612	rs13058062	22	50684296	C	T	0.735586	0.00076408	0.0093756	0.935047	-0.583158	0.0740549	3.42E-15	-0.0013102	0.0160782	0.9350505	0.8322707	6	0.99029499
ENSG00000188130	22	MAPK12	50683879	rs5771285	22	50695908	T	G	0.701789	0.00213251	0.00897267	0.812139	-0.731364	0.0785866	1.32E-20	-0.0029158	0.0122724	0.8121993	0.982193	5	0.95331821
ENSG00000217442	22	SYCE3	50989541	rs78789402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.25793	0.151641	1.08E-16	0.00279051	0.012203	0.8191222	0.7644503	10	0.95515845
ENSG00000100288	22	CHKB	51017378	rs86337	22	51020668	A	C	0.569583	0.00626675	0.0083578	0.45337	0.427594	0.0656913	7.56E-11	0.0146558	0.0196754	0.4563426	0.9117704	9	0.87926167
ENSG00000100299	22	ARSA	51061182	rs11912237	22	51060049	A	G	0.0884692	-0.0145717	0.0185515	0.432177	-0.838717	0.128935	7.77E-11	0.0173738	0.0222796	0.4355036	0.9793494	8	0.8760777
ENSG00000184319	22	AC002055.4	51195376	rs34726907	22	51213613	T	C	0.141153	0.00918361	0.0115017	0.424607	-0.655506	0.0969119	1.34E-11	-0.01401	0.0176681	0.4278064	0.02517694	17	0.8760777
ENSG00000205664	23	RP11-706O15.1	3735569	rs6655837	23	3747314	A	G	0.18799	0.0114228	0.00976392	0.242041	-0.557289	0.0758849	2.07E-13	-0.0204971	0.0177413	0.2479548	0.9483695	10	0.75847259
ENSG00000205663	23	RP11-706O15.5	3809479	rs6608343	23	3868488	G	A	0.313316	-0.0057109	0.00773376	0.460248	0.447532	0.0786254	1.26E-08	-0.0127609	0.0174257	0.4639842	0.7218079	3	0.88426028
ENSG00000182583	23	VCX	7810303	rs2529876	23	7810800	T	C	0.64752	-0.0100402	0.00725075	0.166141	-0.552777	0.0769268	6.68E-13	0.0181632	0.0133583	0.173926	0.703249	3	0.686312
ENSG00000046647	23	GEMIN8	14026398	rs7052208	23	14053652	C	T	0.300261	0.00273081	0.00785807	0.728204	-0.466709	0.0544835	1.07E-17	-0.0058512	0.016851	0.7284178	0.627214	15	0.94727701
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.409809	0.0510877	1.04E-15	-0.0222414	0.0186394	0.2327726	0.04035898	20	0.73936462
ENSG00000087842	23	PIR	15402921	rs2271550	23	15511412	C	A	0.648825	0.0196323	0.00760092	0.00979783	0.323954	0.0424247	2.24E-14	0.0606021	0.0247689	0.01441687	0.1253431	20	0.44186828
ENSG00000130234	23	ACE2	15579156	rs4830983	23	15701060	C	A	0.532637	-0.0008108	0.00704962	0.908436	0.48499	0.0837677	7.05E-09	-0.0016718	0.0145385	0.908454	0.3734144	5	0.97987891
ENSG00000147003	23	TMEM27	15645441	rs1996225	23	15711209	T	C	0.447781	-0.0009078	0.00705264	0.897582	0.592107	0.0717672	1.58E-16	-0.0015332	0.0119125	0.8975938	0.5028577	14	0.97987891
ENSG00000169249	23	ZRSR2	15808595	rs5936064	23	15843363	A	G	0.729765	-0.0109115	0.00802568	0.173965	-0.548153	0.0564018	2.51E-22	0.0199059	0.0147839	0.1781535	0.3726815	5	0.69192294
ENSG00000012174	23	MBTPS2	21857754	rs4023931	23	21942691	T	C	0.17624	0.00220912	0.0092843	0.811927	-0.390867	0.0685496	1.18E-08	-0.0056519	0.0237738	0.812087	0.370196	8	0.95331821
ENSG00000183690	23	EFHC2	44007128	rs2167383	23	44194620	C	T	0.398172	0.00149802	0.00710544	0.833022	-0.360424	0.060203	2.14E-09	-0.0041563	0.0197263	0.833124	0.7076097	5	0.95954475
ENSG00000147119	23	CHST7	46433219	rs6611279	23	46475904	T	C	0.519582	-0.0063663	0.00704031	0.365855	-0.278961	0.0408718	8.78E-12	0.0228215	0.0254581	0.3700227	0.02028589	6	0.84538623
ENSG00000188459	23	WASF4P	47657325	rs5906474	23	47666317	A	C	0.543081	0.0116907	0.00705483	0.0974945	0.525206	0.0753129	3.09E-12	0.0222593	0.0138065	0.1069126	0.7757715	10	0.64481993
ENSG00000231831	23	MTHFD1P1	57419079	rs58455533	23	57442144	A	G	0.280679	0.00078437	0.0093614	0.933225	0.617346	0.0884564	2.97E-12	0.00127056	0.015165	0.9332297	0.1625978	15	0.98992591
ENSG00000215162	23	LINC00269	68399400	rs6624391	23	68427473	C	T	0.313316	-0.0066514	0.0074666	0.373028	0.622818	0.0684086	8.68E-20	-0.0106795	0.0120457	0.3753036	0.1650824	14	0.84916743
ENSG00000231963	23	RP11-493K23.4	72300006	rs5958815	23	71899494	G	C	0.163185	-0.0138187	0.010025	0.168072	-0.599291	0.108006	2.88E-08	0.0230584	0.0172366	0.1809738	0.6380175	12	0.69422261
ENSG00000187325	23	TAF9B	77385245	rs5959990	23	77519479	T	C	0.795039	0.00063274	0.00866855	0.941812	0.291235	0.0396732	2.12E-13	0.00217261	0.0297663	0.9418149	0.4306907	19	0.99087277
ENSG00000184788	23	SATL1	84347293	rs200808598	23	84577053	T	C	0.139687	-0.0052636	0.00948454	0.578915	-0.586039	0.0877412	2.40E-11	0.00898171	0.0162399	0.5802199	0.1996833	8	0.91214319
ENSG00000102362	23	SYTL4	99929488	rs2858178	23	99983920	A	G	0.531332	0.00050974	0.00708671	0.942658	0.436393	0.0472962	2.79E-20	0.00116808	0.0162398	0.94266	0.4014164	11	0.99087277
ENSG00000231728	23	LL0XNC01-116E7.[illegible]	103172005	rs6616499	23	103174786	A	G	0.325065	-0.0040194	0.00730146	0.581983	-0.480927	0.0871521	3.42E-08	0.00835759	0.0152574	0.5838482	0.687793	4	0.91214319
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.387138	0.0503177	1.43E-14	-0.0337761	0.0208387	0.1050531	0.5348974	14	0.64481993
ENSG00000018610	23	CXorf56	118672112	rs56673943	23	118637237	G	A	0.0417755	0.00592615	0.019648	0.762945	-0.637774	0.0828473	1.38E-14	-0.0092919	0.0308308	0.7631212	0.9692189	20	0.94873228
ENSG00000169551	23	CXorf48	134290461	rs12844065	23	134215148	A	T	0.408616	0.00421556	0.00727218	0.562128	-0.574187	0.0708943	5.53E-16	-0.0073418	0.0126976	0.5631264	0.3131148	11	0.91214319
ENSG00000203930	23	LINC00632	139791932	rs4824956	23	139854825	G	A	0.139687	0.0130813	0.0106195	0.218019	-0.548912	0.0801984	7.68E-12	-0.0238313	0.0196573	0.2253819	0.3056312	4	0.73598765
ENSG00000238039	23	AF011889.2	148593039	rs11797408	23	148626523	G	A	0.694517	0.0061248	0.00725816	0.398753	-0.699902	0.0803076	2.90E-18	-0.0087509	0.0104187	0.400952	0.8629648	16	0.86836256
ENSG00000171116	23	HSFX1	148855726	rs11797152	23	148722435	A	C	0.750653	0.00183224	0.00772206	0.812445	0.681903	0.0812464	4.74E-17	0.00268695	0.0113288	0.8125181	0.4863426	14	0.95331821
ENSG00000225110	23	LL0XNC01-16G2.1	152583141	rs10183	23	152583276	A	G	0.532637	-0.0004651	0.00708097	0.947633	-0.301364	0.0470237	1.47E-10	0.00154324	0.0234976	0.9476356	0.9690406	6	0.99296872
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.41546	0.223844	2.56E-10	-0.0095194	0.0147783	0.5194814	0.3293948	6	0.88902293
ENSG00000213391	23	RP11-66N11.6	152871972	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.22185	0.200446	1.09E-09	-0.0110278	0.0171268	0.5196463	0.319247	5	0.88902293
ENSG00000184343	23	SRPK3	153041867	rs1981439	23	153047809	G	A	0.834204	-0.0070765	0.00892488	0.427842	0.384268	0.0687641	2.29E-08	-0.0184154	0.0234583	0.4324374	0.2405421	5	0.8760777
ENSG00000177854	23	TMEM187	153237778	rs6643807	23	153243159	C	G	0.190601	0.0108673	0.00930178	0.242684	-0.405722	0.0710187	1.11E-08	-0.0267851	0.023401	0.2523692	0.04963417	12	0.76442105
ENSG00000147403	23	RPL10	153618315	rs2070821	23	153627297	C	T	0.0809399	0.00691785	0.00985292	0.48261	-0.260792	0.0414307	3.08E-10	-0.0265263	0.0380151	0.485312	0.8296835	6	0.88426028
ENSG00000130827	23	PLXNA3	153686621	rs2239470	23	153598413	C	T	0.197128	-0.0098336	0.00825642	0.233643	-0.449891	0.0506933	7.01E-19	0.0218578	0.0185166	0.2378231	0.105078	20	0.74598565

Table S4. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in caudate

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000237491	1	RP11-206L10.9	714150	rs28692873	1	724324	A	G	0.0447316	-0.0181575	0.0426037	0.669965	1.41832	0.17292	2.36E-16	-0.0128021	0.0300787	0.6703839	0.1735121	3	0.93322639
ENSG00000225880	1	LINC00115	761586	rs2073814	1	753474	G	C	0.837972	-0.0086742	0.0102009	0.395136	-0.733488	0.103246	1.21E-12	0.011826	0.0140067	0.3984955	0.9444651	8	0.84975981
ENSG00000272512	1	RP11-54O7.17	931346	rs2799060	1	931362	A	G	0.360835	-0.0060207	0.00818077	0.461758	-0.857636	0.0769356	7.37E-29	0.0070201	0.00955951	0.4627307	0.5266077	20	0.87345602
ENSG00000131591	1	C1orf159	1017198	rs6604966	1	1033670	C	T	0.166998	-0.0046407	0.00996291	0.641362	-0.56683	0.057513	6.48E-23	0.00818709	0.0175962	0.6417329	0.6997399	20	0.92525205
ENSG00000205231	1	TTLL10-AS1	1108436	rs11260544	1	1110225	T	C	0.054672	-0.0008366	0.015526	0.957029	0.923995	0.117044	2.92E-15	-0.0009054	0.0168035	0.9570302	0.77601	10	0.99428844
ENSG00000176022	1	B3GALT6	1167629	rs60252802	1	1166887	C	T	0.130219	-0.0126761	0.0111591	0.255981	-0.412281	0.0646507	1.81E-10	0.0307463	0.0274928	0.2634223	0.6187068	20	0.78131464
ENSG00000260179	1	RP5-902P8.12	1185157	rs60252802	1	1166887	C	T	0.130219	-0.0126761	0.0111591	0.255981	0.56549	0.100001	1.56E-08	-0.0224161	0.0201277	0.2654101	0.5532558	13	0.78131464
ENSG00000224870	1	RP4-758J18.2	1334902	rs111876693	1	1336006	T	C	0.054672	-0.0257555	0.017306	0.136688	-0.532794	0.084979	3.62E-10	0.0483404	0.0333841	0.1476152	0.6428749	3	0.70919091
ENSG00000242485	1	MRPL20	1337288	rs66559562	1	1318273	A	G	0.0944334	-0.0184105	0.0125607	0.142725	0.397055	0.0627	2.41E-10	-0.0463676	0.032471	0.1532999	0.9893945	11	0.71396894
ENSG00000235098	1	ANKRD65	1353800	rs3766165	1	1354594	G	A	0.0924453	-0.0096122	0.0114549	0.401396	-0.903369	0.100835	3.28E-19	0.0106403	0.0127357	0.4034509	0.6040701	20	0.85411141
ENSG00000215915	1	ATAD3C	1385069	rs4590	1	1375810	G	C	0.188867	-0.0138068	0.00926983	0.136373	-0.651169	0.0723904	2.36E-19	0.0212031	0.0144295	0.1417171	0.6886233	20	0.70248585
ENSG00000160072	1	ATAD3B	1407143	rs144526264	1	1466393	A	G	0.0129225	0.0361086	0.042041	0.390401	-2.08426	0.22412	1.41E-20	-0.0173244	0.0202566	0.3924126	0.8242272	16	0.8477398
ENSG00000160075	1	SSU72	1477053	rs4259576	1	1472873	A	T	0.33499	-0.0217722	0.00861579	0.0115038	0.262617	0.0380093	4.87E-12	-0.0829048	0.0349329	0.01763186	0.4721489	9	0.36096114
ENSG00000272106	1	RP11-345P4.9	1549138	rs4648611	1	1550702	G	A	0.706759	0.00023827	0.00908885	0.979085	-0.323534	0.0424035	2.35E-14	-0.0007365	0.0280926	0.9790852	0.02897616	13	0.99456097
ENSG00000189339	1	SLC35E2B	1592939	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	-0.997013	0.0708338	5.38E-45	-0.0034233	0.00966312	0.7231448	0.4476296	20	0.94753093
ENSG00000269737	1	RP11-345P4.7	1603429	rs4648757	1	1584224	G	C	0.028827	-0.0476025	0.0214712	0.0266201	1.0823	0.176014	7.80E-10	-0.0439827	0.0210886	0.03701356	0.9789071	10	0.49915936
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.85694	0.19945	1.27E-20	-0.0071591	0.0166735	0.6676527	0.3154617	5	0.93322639
ENSG00000227775	1	RP1-283E3.4	1655951	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	0.872987	0.0800926	1.16E-27	0.00390959	0.0110383	0.7232009	0.3824286	20	0.94753093
ENSG00000215790	1	SLC35E2	1656277	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.53834	0.181864	2.70E-17	-0.0086419	0.0201312	0.6677229	0.3149089	5	0.93322639
ENSG00000008130	1	NADK	1682671	rs489788	1	1681719	G	A	0.452286	0.00680105	0.00819709	0.406713	-0.372575	0.0667601	2.39E-08	-0.0182542	0.022243	0.4118337	0.3578922	6	0.85948219
ENSG00000231050	1	RP1-140A9.1	1822910	rs3806168	1	1823524	C	G	0.197813	-0.0017534	0.0109635	0.872936	-0.755073	0.0986506	1.95E-14	0.00232215	0.014523	0.8729639	0.3092694	20	0.97700295
ENSG00000233542	1	RP11-547D24.1	1944652	rs28502222	1	1952605	C	T	0.828032	2.96E-05	0.0110182	0.997857	0.535053	0.0837819	1.70E-10	5.53E-05	0.0205927	0.9978567	0.2017058	4	0.99886311
ENSG00000162585	1	C1orf86	2115903	rs2503699	1	2118539	C	T	0.67495	-0.0039654	0.00852686	0.641898	-0.280579	0.0496638	1.61E-08	0.0141329	0.030493	0.6430208	0.5099593	5	0.92525205
ENSG00000116151	1	MORN1	2252692	rs7545940	1	2299627	C	T	0.352883	-0.001158	0.00836872	0.889951	-0.258138	0.0438662	3.99E-09	0.00448578	0.0324285	0.889981	0.8778372	4	0.98222414
ENSG00000272420	1	RP4-740C4.7	2294500	rs7542190	1	2300649	T	C	0.399602	-0.0051255	0.00828551	0.536176	0.360595	0.0616855	5.04E-09	-0.0142139	0.0231056	0.5384414	0.7851219	5	0.88747737
ENSG00000157873	1	TNFRSF14	2487078	rs12097268	1	2477358	A	T	0.476143	0.012107	0.00809011	0.134518	0.220632	0.0365834	1.63E-09	0.0548742	0.0377799	0.1463711	0.9530416	10	0.70919091
ENSG00000157870	1	FAM213B	2517930	rs368077828	1	2716569	G	C	0.0198807	-0.0168076	0.0328531	0.608932	-1.50734	0.178074	2.57E-17	0.0111505	0.0218352	0.6095844	0.2745329	8	0.91289684
ENSG00000142606	1	MMEL1	2522078	rs10910111	1	2542653	G	A	0.331014	0.00580387	0.00835408	0.487221	-0.465985	0.0661817	1.91E-12	-0.0124551	0.0180148	0.4893284	0.6691741	8	0.87805165
ENSG00000158109	1	TPRG1L	3541566	rs34128889	1	3540152	C	A	0.341948	-0.0095616	0.00859409	0.265891	0.207077	0.0310707	2.65E-11	-0.046174	0.0420762	0.2724712	0.5433818	19	0.78842494
ENSG00000130764	1	LRRC47	3696784	rs12750187	1	3711193	T	C	0.481113	-0.0068719	0.00813172	0.398071	0.256575	0.0435711	3.89E-09	-0.0267832	0.032018	0.4028724	0.03094387	19	0.85392848
ENSG00000116198	1	CEP104	3728645	rs1175546	1	3693909	T	C	0.207753	0.00767531	0.00894792	0.391016	-0.290311	0.0520479	2.44E-08	-0.0264382	0.0311842	0.3965442	0.6180328	10	0.84892141
ENSG00000169598	1	DFFB	3773845	rs12071660	1	3796542	A	G	0.514911	-0.0031751	0.00805876	0.693585	0.429015	0.0487433	1.35E-18	-0.0074009	0.0188031	0.6938768	0.5057261	16	0.94158707
ENSG00000198912	1	C1orf174	3805689	rs35241263	1	3831232	G	A	0.737575	-0.0057946	0.00938069	0.536762	0.761438	0.113171	1.72E-11	-0.0076101	0.0123715	0.538469	0.3720048	5	0.88747737
ENSG00000131697	1	NPHP4	5922871	rs1295101	1	6056168	G	A	0.347913	0.0143529	0.00852077	0.0920916	-0.305729	0.0495837	7.01E-10	-0.0469465	0.0288916	0.1041805	0.01906067	20	0.65619664
ENSG00000116237	1	ICMT	6281253	rs14281	1	6281667	C	A	0.0854871	-0.0594357	0.0222113	0.00745229	-0.332775	0.0481985	5.05E-12	0.178606	0.0715835	0.01259299	0.1449133	8	0.34907046
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.84879	0.0701789	1.13E-33	0.0024229	0.00950848	0.7988665	0.02008514	20	0.96425033
ENSG00000049245	1	VAMP3	7831329	rs1048785	1	7841330	A	G	0.141153	-0.004932	0.0105099	0.638874	0.238414	0.0356491	2.27E-11	-0.0206868	0.044191	0.6396962	0.3738456	6	0.92504719
ENSG00000142599	1	RERE	8412457	rs2708633	1	8439625	A	C	0.688867	0.0316898	0.00836458	0.00015152	-0.399032	0.0593727	1.81E-11	-0.0794167	0.0240633	0.00096575	0.3388148	7	0.18229546
ENSG00000142583	1	SLC2A5	9095166	rs1751680	1	9122402	G	A	0.621272	0.00552175	0.00839267	0.510586	0.262625	0.0462538	1.36E-08	0.0210252	0.0321707	0.5134003	0.6310727	5	0.87915151
ENSG00000177000	1	MTHFR	11845780	rs1476413	1	11852300	T	C	0.280318	-0.003727	0.008916	0.675941	0.35911	0.0653727	3.95E-08	-0.0103783	0.0248998	0.6768224	0.1232883	4	0.93592742
ENSG00000242349	1	NPPA-AS1	11901074	rs198397	1	11883332	G	A	0.403579	0.00027249	0.008391	0.974094	-0.510237	0.0819307	4.73E-10	-0.0005341	0.0164455	0.9740941	0.7232619	10	0.99453968
ENSG00000116688	1	MFN2	12040238	rs2236053	1	12040203	G	A	0.442346	-0.0006902	0.0081856	0.932806	0.242033	0.0401463	1.65E-09	-0.0028515	0.0338235	0.9328129	0.9338337	6	0.990697
ENSG00000116771	1	AGMAT	15898848	rs45619934	1	15911947	T	G	0.295229	0.00656988	0.0084527	0.437011	0.486673	0.0760052	1.52E-10	0.0134996	0.0174958	0.4403582	0.05279469	5	0.86824012
ENSG00000162461	1	SLC25A34	16062900	rs7553242	1	16060678	C	T	0.212724	-0.0042084	0.0101469	0.678327	-0.604088	0.0804061	5.78E-14	0.00696655	0.0168226	0.6787878	0.08969707	15	0.93712252
ENSG00000186510	1	CLCNKA	16345370	rs2009594	1	16346924	A	G	0.419483	0.0108846	0.00832307	0.190955	-0.484994	0.0820752	3.44E-09	-0.0224428	0.0175764	0.2016493	0.4032834	11	0.74217028
ENSG00000232456	1	RP11-5P18.10	16361673	rs2863454	1	16388534	T	C	0.308151	-0.0072742	0.0107494	0.498589	0.687383	0.0930177	1.47E-13	-0.0105825	0.0157036	0.5003802	0.4018618	20	0.87805165
ENSG00000185519	1	FAM131C	16384264	rs2863454	1	16388534	T	C	0.308151	-0.0072742	0.0107494	0.498589	0.459292	0.065648	2.63E-12	-0.0158379	0.0235135	0.5005861	0.7861037	20	0.87805165
ENSG00000142632	1	ARHGEF19	16524349	rs221052	1	16533022	T	C	0.740557	0.00746333	0.0095429	0.434166	-0.437518	0.0629122	3.54E-12	-0.0170583	0.0219489	0.4370508	0.6434707	5	0.86824012
ENSG00000037637	1	FBXO42	16573334	rs4661736	1	16645277	C	T	0.333996	-0.0205585	0.00859155	0.0167171	-0.360902	0.052405	5.71E-12	0.0569642	0.0252018	0.02380142	0.9836987	10	0.41828411
ENSG00000226029	1	RP4-798A10.2	16787443	rs279028	1	16790901	T	C	0.621272	-0.0098307	0.00822897	0.232224	0.401497	0.0629252	1.76E-10	-0.0244852	0.0208519	0.2402973	0.7023209	12	0.76866335
ENSG00000215908	1	CROCCP2	16944751	rs156916	1	16850013	C	T	0.61829	0.0085219	0.00846185	0.313888	-0.483804	0.0855474	1.55E-08	-0.0176144	0.0177654	0.3214423	0.8737136	11	0.81079852
ENSG00000186301	1	MST1P2	16972069	rs76074825	1	17284498	C	T	0.525845	-0.0053509	0.00810043	0.508885	0.601112	0.0777281	1.05E-14	-0.0089017	0.0135248	0.5104245	0.9494039	10	0.8783337
ENSG00000186715	1	MST1L	17081405	rs28501465	1	17006446	T	A	0.384692	0.00289494	0.00826578	0.726164	0.623525	0.0964649	1.02E-10	0.00464286	0.013276	0.7265496	0.9345132	13	0.94753093
ENSG00000238142	1	RP11-108M9.4	17215033	rs696095	1	16802890	A	G	0.55169	-0.0035179	0.00807396	0.66305	-0.504958	0.0898706	1.92E-08	0.00696668	0.0160374	0.663996	0.7489117	14	0.93322639
ENSG00000159423	1	ALDH4A1	19197926	rs28514949	1	19237686	T	C	0.0387674	0.0518562	0.0234965	0.0273162	0.763805	0.102516	9.29E-14	0.0678919	0.0320837	0.03433705	0.2591334	8	0.48743989
ENSG00000127463	1	EMC1	19542158	rs9426682	1	19533303	G	A	0.411531	-0.0216607	0.00825985	0.00873092	-0.595101	0.0604098	6.78E-23	0.0363984	0.0143631	0.01127194	0.454859	20	0.33066636
ENSG00000053372	1	MRTO4	19578033	rs1063984	1	19586294	G	A	0.22664	0.00577894	0.0107689	0.591522	-0.315101	0.0420034	6.30E-14	-0.01834	0.0342634	0.5924669	0.8882694	14	0.90646236
ENSG00000158747	1	NBL1	19967048	rs1320978	1	19947973	G	A	0.54175	0.02078	0.00804727	0.00981612	-0.297078	0.0422911	2.15E-12	-0.069948	0.0288603	0.01536438	0.3611122	16	0.3522782
ENSG00000169914	1	OTUD3	20209006	rs10492999	1	20237760	G	A	0.05666	0.015587	0.0132551	0.239624	0.870176	0.0976078	4.88E-19	0.0179125	0.0153646	0.2436846	0.4930168	7	0.76866335
ENSG00000127472	1	PLA2G5	20354672	rs668630	1	20396674	A	C	0.0984095	-0.0189719	0.0212587	0.372161	-0.552381	0.0684192	6.83E-16	0.0343457	0.03872	0.3750643	0.4710395	7	0.83748989
ENSG00000227066	1	RP3-340N1.2	20480831	rs6426613	1	20480668	T	G	0.331014	0.00545396	0.00835532	0.513916	0.70115	0.084714	1.27E-16	0.00777859	0.0119536	0.5152193	0.2750003	4	0.88027463
ENSG00000090432	1	MUL1	20825943	rs381142	1	20816678	C	G	0.353877	-0.0016308	0.00857788	0.849216	-0.463001	0.0590227	4.35E-15	0.00352226	0.0185321	0.8492603	0.7480348	20	0.97278648
ENSG00000158825	1	CDA	20915441	rs10916840	1	20959421	A	G	0.410537	-0.0139287	0.00827959	0.0925124	0.410845	0.0600651	7.92E-12	-0.0339026	0.0207532	0.1023409	0.3135275	19	0.64961631
ENSG00000117245	1	KIF17	20990507	rs659046	1	21047725	G	A	0.684891	-0.0006447	0.00885323	0.941952	0.298992	0.0428496	3.00E-12	-0.0021561	0.0296119	0.9419552	0.198339	12	0.99244418
ENSG00000227001	1	NBPF2P	21751118	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	1.11106	0.116959	2.11E-21	-0.012021	0.00853215	0.1588645	0.2407841	16	0.71666927
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.21393	0.0891086	2.92E-42	0.0110023	0.00776487	0.1565035	0.3079014	19	0.71666927
ENSG00000218510	1	LINC00339	22351681	rs11801382	1	22352108	T	C	0.27833	0.0065088	0.00916258	0.477476	1.03682	0.0977561	2.79E-26	0.00627766	0.00885699	0.4784612	0.3227469	12	0.87540637
ENSG00000133216	1	EPHB2	23037332	rs35801029	1	23142053	T	C	0.71173	-0.0171638	0.00888057	0.0532684	0.704751	0.0736066	1.02E-21	-0.0243544	0.0128552	0.05815567	0.9463903	13	0.55397205
ENSG00000204219	1	TCEA3	23707554	rs4649090	1	23781642	T	C	0.671968	-0.0132101	0.00910564	0.146845	0.481673	0.063991	5.18E-14	-0.0274255	0.0192521	0.1542894	0.5173815	13	0.71396894
ENSG00000001460	1	STPG1	24683489	rs760969	1	24745704	G	T	0.235586	0.0157325	0.010132	0.120481	-0.455753	0.0552497	1.60E-16	-0.0345198	0.0226218	0.1270212	0.7565891	11	0.68294787
ENSG00000184454	1	NCMAP	24882602	rs7538161	1	24900569	T	C	0.600398	0.0120902	0.00813825	0.137384	0.504012	0.0805697	3.96E-10	0.0239879	0.016596	0.1483451	0.4880425	3	0.70919091
ENSG00000261349	1	RP3-465N24.5	25592593	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-0.706369	0.0967263	2.82E-13	0.0433613	0.0133656	0.00117757	0.8725598	5	0.18330824
ENSG00000187010	1	RHD	25598884	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-1.13842	0.0839671	7.11E-42	0.0269049	0.00769025	0.00046775	0.3337668	19	0.16772553
ENSG00000224183	1	SDHDP6	25620655	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-0.942589	0.090235	1.53E-25	0.0324947	0.0094973	0.00062285	0.1792398	10	0.16772553
ENSG00000188672	1	RHCE	25688740	rs1053438	1	25687901	C	T	0.44334	0.0129332	0.00805866	0.10852	-0.917779	0.079817	1.34E-30	-0.0140918	0.00886572	0.1119532	0.00871905	15	0.66540911
ENSG00000157978	1	LDLRAP1	25870071	rs11799800	1	25891971	T	C	0.471173	-0.0151439	0.00807628	0.0607785	0.460374	0.0373898	7.73E-35	-0.0328948	0.0177451	0.06377699	0.01743077	8	0.5674036
ENSG00000197245	1	FAM110D	26485511	rs10902717	1	26486092	C	T	0.628231	0.00366217	0.00847101	0.665511	0.352583	0.0607324	6.42E-09	0.0103867	0.0240921	0.666378	0.2993254	8	0.93322639
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.832245	0.0646481	6.35E-38	0.0172203	0.0119035	0.1479933	0.00702995	20	0.70919091
ENSG00000130695	1	CEP85	26560691	rs6698557	1	26561220	C	G	0.170974	0.00387116	0.010314	0.707415	0.329834	0.0536732	7.98E-10	0.0117367	0.0313285	0.7079338	0.6414862	4	0.94504139
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.43196	0.111768	1.41E-37	0.014976	0.0134709	0.2662546	0.6211785	11	0.78131464
ENSG00000158161	1	EYA3	28296855	rs12128770	1	28379322	G	A	0.257455	-0.0158171	0.00924064	0.0869541	0.388171	0.0575763	1.56E-11	-0.0407478	0.0245609	0.09710523	0.5238176	6	0.64834522
ENSG00000130770	1	ATPIF1	28562620	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-0.202709	0.0300331	1.48E-11	0.0339557	0.0448013	0.4485007	0.7637055	7	0.86824012
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-0.997095	0.0679897	1.07E-48	0.00690317	0.00906271	0.4462322	0.2958094	20	0.86824012
ENSG00000204138	1	PHACTR4	28696114	rs10751728	1	28716679	C	T	0.348907	0.0167748	0.00838047	0.0453221	-0.313706	0.0427769	2.24E-13	-0.053473	0.0276916	0.05348103	0.5594772	20	0.54679043
ENSG00000084628	1	NKAIN1	31652592	rs11584136	1	31685616	C	G	0.760437	0.00128925	0.00890456	0.88488	0.902542	0.0689415	3.69E-39	0.00142847	0.00986669	0.8848873	0.08114153	20	0.97920911
ENSG00000235790	1	RP11-73M7.6	32109650	rs10798887	1	32173811	A	G	0.537773	-0.0002472	0.008081	0.975592	0.335622	0.0512267	5.69E-11	-0.0007367	0.0240779	0.975592	0.8520165	4	0.99453968
ENSG00000084636	1	COL16A1	32117848	rs10798887	1	32173811	A	G	0.537773	-0.0002472	0.008081	0.975592	0.434155	0.0491616	1.04E-18	-0.0005695	0.0186133	0.9755919	0.8208974	16	0.99453968
ENSG00000160055	1	TMEM234	32680073	rs3738002	1	32502430	A	T	0.05666	0.00641959	0.0137669	0.640997	0.454514	0.0788618	8.24E-09	0.0141241	0.0303883	0.6420837	0.9641552	5	0.92525205
ENSG00000214193	1	SH3D21	36771988	rs11576244	1	36758061	T	C	0.420477	-0.0067269	0.00832669	0.419163	-0.279153	0.0492076	1.40E-08	0.0240976	0.0301294	0.4238244	0.1342162	3	0.86364609
ENSG00000181817	1	LSM10	36856839	rs7170	1	36859163	C	T	0.0208748	0.0223473	0.0258524	0.387358	0.620252	0.105409	4.00E-09	0.0360294	0.0421278	0.3924185	0.5866835	4	0.8477398
ENSG00000116885	1	OSCP1	36881428	rs61772386	1	36898332	T	C	0.204771	-0.0083287	0.0105307	0.429007	0.280167	0.040479	4.48E-12	-0.0297274	0.0378318	0.4319971	0.2305948	7	0.86609543
ENSG00000233621	1	RP11-422J8.1	37920480	rs2245867	1	37931878	G	T	0.527833	0.00342886	0.00820723	0.676105	0.656652	0.0687082	1.21E-21	0.00522173	0.0125105	0.6763956	0.2428863	17	0.93573306
ENSG00000134697	1	GNL2	38032417	rs10908363	1	38076621	T	C	0.527833	-0.0132808	0.0082299	0.106587	-0.333944	0.0533444	3.85E-10	0.0397695	0.0254502	0.1181367	0.4966318	10	0.66978378
ENSG00000204084	1	INPP5B	38326369	rs36084352	1	38364396	C	T	0.452286	-0.0133635	0.00807752	0.0980438	-0.284259	0.0430459	4.01E-11	0.0470117	0.0292943	0.1085357	0.9063512	14	0.65854606
ENSG00000168653	1	NDUFS5	39491990	rs12034567	1	39520552	A	G	0.297217	0.00446503	0.00938432	0.634219	-0.267426	0.0366719	3.04E-13	-0.0166963	0.0351659	0.6349385	0.5739818	10	0.92372673
ENSG00000237624	1	OXCT2P1	39980628	rs113879410	1	40073011	C	G	0.295229	-0.0090443	0.00869326	0.298165	0.603575	0.102491	3.88E-09	-0.0149845	0.014626	0.3055932	0.08440946	12	0.8056324
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-1.02923	0.126208	3.49E-16	0.00570153	0.0162255	0.7252938	0.5638855	9	0.94753093
ENSG00000116983	1	HPCAL4	40144320	rs6699019	1	40151483	C	G	0.828032	0.00303455	0.0108796	0.780306	0.265701	0.0420667	2.68E-10	0.0114209	0.0409867	0.7805138	0.1505911	5	0.96335446
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.759115	0.0659529	1.18E-30	-0.0006243	0.0110134	0.9547983	0.4338398	18	0.99428844
ENSG00000043514	1	TRIT1	40306723	rs6680405	1	40279797	T	A	0.867793	-0.0195087	0.0108145	0.071241	0.469044	0.0689119	1.00E-11	-0.0415925	0.0238525	0.08120522	0.9760446	9	0.61025256
ENSG00000187815	1	ZFP69	40942887	rs12042529	1	40938997	C	T	0.323062	-0.0051402	0.00879323	0.558838	-0.530978	0.0760261	2.87E-12	0.0096807	0.0166183	0.5602091	0.9187953	12	0.89377419
ENSG00000238287	1	RP11-656D10.3	40958829	rs11208254	1	40959506	T	G	0.328032	-0.0033593	0.00881244	0.703059	-0.884711	0.103357	1.13E-17	0.003797	0.00997068	0.7033393	0.533326	12	0.94462456
ENSG00000164008	1	C1orf50	43232940	rs33950227	1	43296173	T	C	0.252485	0.0040992	0.00844432	0.627365	-0.613595	0.0651289	4.46E-21	-0.0066806	0.0137803	0.6278213	0.4349071	20	0.91863036
ENSG00000228452	1	RP5-994D16.9	43241484	rs35245962	1	43294439	A	G	0.251491	0.00413639	0.00844543	0.624291	0.679798	0.0996327	8.91E-12	0.00608473	0.0124554	0.6251805	0.5765371	19	0.91838156
ENSG00000177868	1	CCDC23	43272723	rs12030508	1	43230212	T	A	0.323062	0.00029386	0.00826443	0.971635	0.625434	0.0688104	9.97E-20	0.00046986	0.013214	0.9716354	0.2140554	18	0.99453968
ENSG00000164010	1	ERMAP	43282795	rs12406279	1	43310639	G	A	0.16501	-0.0001929	0.0113428	0.986428	-0.655055	0.0761587	7.89E-18	0.00029455	0.0173158	0.9864285	0.2021631	4	0.99624056
ENSG00000227533	1	SLC2A1-AS1	43424720	rs2367159	1	43432589	C	T	0.529821	0.0084846	0.00812487	0.296358	-0.939439	0.0930764	5.92E-24	-0.0090316	0.00869481	0.2989302	0.4072059	20	0.80291535
ENSG00000117407	1	ARTN	44398992	rs783304	1	44365457	G	A	0.150099	-0.0048994	0.0120375	0.684	0.537253	0.0985261	4.96E-08	-0.0091194	0.022468	0.6848278	0.9422222	14	0.93978336
ENSG00000198520	1	C1orf228	45140364	rs6678831	1	45137703	A	G	0.390656	-0.0041966	0.00811353	0.604991	0.328415	0.0533188	7.30E-10	-0.0127784	0.0247921	0.6062582	0.5663612	9	0.91214701
ENSG00000142937	1	RPS8	45240923	rs34984079	1	45302794	A	G	0.141153	0.0119375	0.0101645	0.240225	-0.246614	0.0440097	2.10E-08	-0.0484056	0.0421117	0.2503677	0.449037	8	0.76959804
ENSG00000132781	1	MUTYH	45794835	rs12139364	1	45890155	C	T	0.530815	-0.0046195	0.00815999	0.571313	0.232228	0.0387821	2.12E-09	-0.0198922	0.0352945	0.5730229	0.3815274	4	0.89938743
ENSG00000070759	1	TESK2	45809555	rs4660854	1	45854087	T	A	0.241551	0.00447824	0.00967875	0.643588	0.384678	0.0579457	3.17E-11	0.0116415	0.0252217	0.644391	0.7381002	12	0.92525205
ENSG00000117480	1	FAAH	46859937	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	0.282763	0.0480689	4.04E-09	0.00482751	0.0305284	0.874353	0.6281046	13	0.97700295
ENSG00000232022	1	RP5-1109J22.1	46897801	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	-0.704256	0.0691714	2.40E-24	-0.0019383	0.0122544	0.874323	0.5789854	20	0.97700295
ENSG00000225506	1	CYP4A22-AS1	47562325	rs4927130	1	47624358	T	C	0.265408	0.00575002	0.00876742	0.511928	0.528545	0.091145	6.67E-09	0.010879	0.0166936	0.5146044	0.5396623	17	0.88027463
ENSG00000162366	1	PDZK1IP1	47649265	rs2248907	1	47655816	G	A	0.818091	0.00348568	0.0108468	0.74794	0.817738	0.102562	1.55E-15	0.00426259	0.0132752	0.7481385	0.3797212	12	0.95384439
ENSG00000117834	1	SLC5A9	48688357	rs4489605	1	48893849	A	G	0.424453	-0.0032845	0.00832156	0.693067	0.575419	0.0898758	1.53E-10	-0.005708	0.0144892	0.6936182	0.3391501	18	0.94158707
ENSG00000272491	1	RP5-1024N4.4	48693560	rs2275309	1	48937691	T	A	0.428429	-0.0021491	0.00829875	0.79566	0.545307	0.0815997	2.35E-11	-0.0039411	0.0152299	0.7958099	0.301102	13	0.96351947
ENSG00000227742	1	CALR4P	52027538	rs12142039	1	52048980	T	C	0.459245	-0.0018018	0.00862102	0.83445	-0.77892	0.0750517	3.11E-25	0.00231316	0.0110702	0.8344834	0.1252563	9	0.96886511
ENSG00000078618	1	NRD1	52254863	rs112010165	1	52292576	T	C	0.0188867	0.00349979	0.0344865	0.919167	0.902987	0.163216	3.16E-08	0.00387579	0.038198	0.9191807	0.2904455	3	0.98647463
ENSG00000169213	1	RAB3B	52373628	rs2809949	1	52425953	C	T	0.950298	-0.0422625	0.0272673	0.121158	-0.449397	0.0810609	2.96E-08	0.0940427	0.0630019	0.1355168	0.3573285	6	0.6978893
ENSG00000134744	1	ZCCHC11	52873954	rs11805462	1	53003821	T	C	0.0506958	-0.0073924	0.0173094	0.669328	0.711792	0.0745829	1.38E-21	-0.0103855	0.0243424	0.6696383	0.9322645	20	0.93322639
ENSG00000162378	1	ZYG11B	53192126	rs61768342	1	53217028	A	G	0.423459	-0.0093514	0.00806389	0.246188	0.243313	0.0430949	1.64E-08	-0.0384335	0.0338339	0.2559791	0.2536758	9	0.77337863
ENSG00000162383	1	SLC1A7	53552855	rs11206111	1	53609496	T	C	0.367793	0.010745	0.00831645	0.19635	0.73243	0.0705234	2.88E-25	0.0146703	0.0114421	0.1997955	0.7969205	20	0.74217028
ENSG00000162384	1	C1orf123	53679771	rs11206124	1	53660773	G	A	0.312127	-0.0123929	0.00826766	0.133885	-0.543795	0.0648666	5.15E-17	0.0227897	0.0154448	0.1400623	0.4150017	11	0.70248585
ENSG00000162399	1	BSND	55464606	rs2495513	1	55457815	T	C	0.800199	0.00215961	0.00954598	0.821021	-0.601284	0.103824	6.98E-09	-0.0035917	0.0158881	0.8211548	0.5027081	9	0.96751805
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.25919	0.0756333	3.10E-62	0.0129189	0.00684492	0.0591097	0.4754998	19	0.55397205
ENSG00000203965	1	EFCAB7	63989043	rs9436689	1	64025984	T	C	0.144135	-0.0228864	0.0117932	0.0523022	0.36828	0.0627513	4.39E-09	-0.062144	0.0337276	0.06539837	0.1951335	10	0.57009939
ENSG00000213625	1	LEPROT	65886270	rs6588144	1	65858088	C	T	0.549702	0.00755881	0.00809604	0.350488	-0.461018	0.0379294	5.42E-34	-0.0163959	0.017613	0.351905	0.2026542	16	0.83394496
ENSG00000240692	1	RN7SL538P	70345275	rs6695130	1	70345340	T	C	0.0258449	0.0005859	0.0196464	0.976209	1.23266	0.173612	1.25E-12	0.00047531	0.0159384	0.976209	0.8110563	9	0.99453968
ENSG00000197568	1	HHLA3	70820488	rs7536099	1	70821757	G	A	0.261431	0.0037354	0.0107382	0.727944	-0.491547	0.0704457	3.00E-12	-0.0075993	0.0218729	0.7282687	0.8604399	8	0.94811246
ENSG00000162620	1	LRRIQ3	74491699	rs533371	1	74687012	G	A	0.464215	0.00108298	0.00807081	0.893257	-0.68232	0.0784796	3.49E-18	-0.0015872	0.0118299	0.8932691	0.9737504	18	0.9832899
ENSG00000116783	1	TNNI3K	74663947	rs792323	1	74707594	T	C	0.142147	-0.0077154	0.0104864	0.461883	-0.765446	0.115833	3.89E-11	0.0100796	0.0137844	0.4646353	0.8174825	6	0.87345602
ENSG00000272864	1	RP11-17E13.2	75164453	rs28879157	1	75208034	G	C	0.685885	-0.0032761	0.00855508	0.701761	-0.5584	0.0685378	3.72E-16	0.00586698	0.0153376	0.7020741	0.246868	17	0.94421269
ENSG00000116791	1	CRYZ	75171170	rs28879157	1	75208034	G	C	0.685885	-0.0032761	0.00855508	0.701761	-0.579423	0.0752227	1.33E-14	0.00565411	0.0147831	0.7021113	0.2920203	5	0.94421269
ENSG00000162623	1	TYW3	75198836	rs11485555	1	75186509	G	C	0.633201	-0.0094672	0.00840969	0.260274	-0.415281	0.072102	8.43E-09	0.022797	0.0206338	0.2692296	0.09625496	4	0.78265812
ENSG00000057468	1	MSH4	76262567	rs1146646	1	76265500	A	G	0.302187	0.0054254	0.00937232	0.562674	0.490618	0.0875727	2.11E-08	0.0110583	0.0192048	0.5647441	0.9722629	8	0.89445177
ENSG00000122432	1	SPATA1	84971974	rs17109982	1	84934833	C	T	0.171968	-0.0067208	0.0108131	0.534242	-0.724342	0.112346	1.14E-10	0.00927849	0.0149974	0.536131	0.1752612	12	0.88747737
ENSG00000153898	1	MCOLN2	85391268	rs7516610	1	85459198	A	G	0.467197	-0.0019824	0.00824046	0.809889	-0.78109	0.0721159	2.45E-27	0.00253799	0.0105526	0.8099351	0.4864083	20	0.96552943
ENSG00000055732	1	MCOLN3	85483765	rs17371526	1	85526773	C	T	0.237575	0.0044101	0.00969555	0.649211	-0.955016	0.0850288	2.85E-29	-0.0046178	0.0101606	0.6494793	0.6833055	20	0.92722972
ENSG00000171502	1	COL24A1	86194916	rs77775942	1	86576531	A	G	0.162028	0.0114531	0.0092639	0.21634	-0.649004	0.0701345	2.17E-20	-0.0176472	0.0144009	0.2204144	0.00833192	20	0.75807011
ENSG00000122417	1	ODF2L	86814344	rs11810689	1	86839302	C	T	0.318091	0.00332195	0.0085817	0.698684	-0.306121	0.0461244	3.20E-11	-0.0108518	0.0280813	0.6991707	0.7515432	12	0.94421269
ENSG00000016602	1	CLCA4	87012761	rs10489695	1	87036040	G	C	0.145129	8.27E-05	0.0144706	0.995441	-0.344071	0.0629111	4.52E-08	-0.0002403	0.042057	0.9954409	0.4547452	5	0.99818905
ENSG00000183291	1	15-Sep	87328132	rs11161918	1	87448430	G	C	0.801193	0.00463834	0.0108366	0.668633	-0.399866	0.0424031	4.10E-21	-0.0115997	0.0271285	0.6689532	0.05896331	20	0.93322639
ENSG00000267272	1	RP5-1052I5.1	87595448	rs2807946	1	87597457	G	T	0.383698	0.00439654	0.0081145	0.587947	-0.253184	0.0424957	2.56E-09	-0.017365	0.0321821	0.5894825	0.0341779	9	0.90597945
ENSG00000137944	1	CCBL2	89401456	rs4656071	1	89440977	A	G	0.477137	-0.0093642	0.00810133	0.24773	-0.666057	0.0646237	6.57E-25	0.0140591	0.0122394	0.2506877	0.5668125	20	0.76959804
ENSG00000117226	1	GBP3	89472349	rs12121223	1	89481583	T	C	0.32008	0.0176619	0.00946381	0.0620055	-0.918868	0.0627936	1.73E-48	-0.0192214	0.0103828	0.06413191	0.5962765	20	0.5674036
ENSG00000171488	1	LRRC8C	90098631	rs580251	1	90221441	T	C	0.473161	-0.0024715	0.00826745	0.76498	-0.31154	0.0558594	2.44E-08	0.00793327	0.0265755	0.7653074	0.6058818	8	0.95964323
ENSG00000231613	1	RP5-943J3.1	90254473	rs473412	1	90227649	A	G	0.474155	-0.0018057	0.00826774	0.827113	-0.535451	0.0884005	1.39E-09	0.00337233	0.0154507	0.8272237	0.208523	5	0.96861312

ENSG00000162669	1	HFM1	91726323	rs12757326	1	91870130	A	G	0.924453	0.028425	0.0136049	0.0366784	-0.729526	0.116041	3.24E-10	-0.0389637	0.0196518	0.04740124	0.8728991	8	0.52621691
ENSG00000067208	1	EVI5	92974253	rs35054144	1	93237726	C	T	0.0934394	0.0176292	0.0124757	0.15763	0.497838	0.0756769	4.75E-11	0.0354115	0.0256314	0.1671041	0.2072965	18	0.72148239
ENSG00000117500	1	TMED5	93615299	rs4847401	1	93628013	G	C	0.657058	0.0100649	0.00854786	0.239006	0.237163	0.0387063	8.94E-10	0.0424387	0.0367016	0.2475509	0.399667	9	0.76959804
ENSG00000223745	1	RP4-717I23.3	93727743	rs10874774	1	93799002	T	C	0.805169	-0.0013983	0.0109173	0.898083	0.968205	0.0652595	8.54E-50	-0.0014443	0.0112762	0.8980864	0.09371139	20	0.9841919
ENSG00000230439	1	RP11-488P3.1	94218480	rs1980083	1	94207992	A	G	0.37674	0.0057744	0.00850483	0.497166	0.729727	0.0947776	1.37E-14	0.0079131	0.0117	0.4988306	0.1420777	14	0.87805165
ENSG00000143036	1	SLC44A3	95285898	rs859117	1	95306057	G	T	0.89165	0.0156465	0.0127188	0.218627	0.582478	0.0602547	4.17E-22	0.026862	0.0220118	0.2223341	0.2241934	5	0.75840867
ENSG00000122481	1	RWDD3	95699711	rs34266846	1	95739748	A	G	0.082505	0.012591	0.0135638	0.353261	0.805047	0.0985367	3.08E-16	0.0156401	0.0169569	0.3563485	0.8486572	20	0.83410235
ENSG00000225206	1	MIR137HG	98453556	rs4414075	1	98307452	C	T	0.0785288	-0.0176222	0.0162744	0.27889	0.486299	0.079135	7.99E-10	-0.0362374	0.0339814	0.2862479	0.6631343	4	0.79695678
ENSG00000162688	1	AGL	100315640	rs61213936	1	100323540	G	A	0.154076	-0.0080808	0.0106272	0.44702	-0.426741	0.0715701	2.48E-09	0.0189362	0.0251048	0.4506791	0.554624	14	0.86824012
ENSG00000122477	1	LRRC39	100614409	rs2784176	1	100663911	T	C	0.875746	-0.0071039	0.0134689	0.597894	-0.576954	0.0879988	5.51E-11	0.0123128	0.0234203	0.5990738	0.1844689	10	0.91114131
ENSG00000240038	1	AMY2B	104096437	rs10754	1	104097685	T	C	0.298211	0.0179949	0.00919083	0.05024	-0.241879	0.0412137	4.39E-09	-0.0743963	0.0400563	0.06326976	0.6425165	7	0.5674036
ENSG00000243480	1	AMY2A	104159999	rs138923510	1	104303287	T	C	0.0188867	-0.0010817	0.0217716	0.960374	-1.15799	0.208729	2.89E-08	0.00093412	0.018802	0.9603758	0.1636187	3	0.99428844
ENSG00000085491	1	SLC25A24	108676658	rs828993	1	108739228	C	A	0.245527	0.00941908	0.00943005	0.317874	-0.430052	0.0641586	2.04E-11	-0.0219022	0.0221698	0.3231878	0.4288889	6	0.8117635
ENSG00000179902	1	C1orf194	109648573	rs112082443	1	109660295	G	A	0.0884692	0.0509557	0.0127384	6.33E-05	-0.691025	0.0810961	1.58E-17	-0.0737393	0.0203642	0.00029345	0.09385899	12	0.15987889
ENSG00000181754	1	AMIGO1	110046797	rs2570972	1	110052139	G	A	0.484095	-0.0009225	0.00808647	0.909171	0.196296	0.030605	1.42E-10	-0.0046997	0.0412018	0.9091851	0.2834672	13	0.985717
ENSG00000168765	1	GSTM4	110198703	rs524998	1	110169957	G	A	0.676938	0.00637293	0.00892459	0.475173	0.402548	0.0615648	6.21E-11	0.0158315	0.0223021	0.4777873	0.9901117	4	0.87540637
ENSG00000134201	1	GSTM5	110254864	rs4970776	1	110271457	A	T	0.379722	0.00238489	0.00822266	0.771786	-0.743593	0.0756367	8.27E-23	-0.0032073	0.0110628	0.7718831	0.3338525	20	0.96074603
ENSG00000134202	1	GSTM3	110276554	rs1332018	1	110282972	T	G	0.550696	-0.0011931	0.00810532	0.882978	0.862611	0.0767389	2.57E-29	-0.0013831	0.00939707	0.8829883	0.1734569	18	0.97880256
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.527951	0.0537426	8.90E-23	0.00884518	0.0163901	0.5894278	0.3544911	18	0.90597945
ENSG00000085465	1	OVGP1	111956936	rs6664998	1	111956662	A	G	0.342942	-0.0062971	0.00834016	0.450227	-0.266938	0.0424128	3.10E-10	0.0235902	0.0314678	0.4534583	0.06016267	8	0.86824012
ENSG00000260948	1	RP11-552M11.8	111973668	rs1264914	1	111973893	T	C	0.387674	0.00642657	0.00814226	0.429945	-0.579946	0.0724216	1.17E-15	-0.0110813	0.0141077	0.4321724	0.01587758	12	0.86609543
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	0.773023	0.0759104	2.35E-24	-0.0002282	0.0126571	0.9856174	0.4439849	9	0.99624056
ENSG00000273483	1	RP4-671G15.2	113060421	rs1110043	1	113236421	A	G	0.45825	0.00904583	0.00845724	0.284801	0.330022	0.0574011	8.96E-09	0.0274098	0.026066	0.2930042	0.3287103	4	0.80220329
ENSG00000007341	1	ST7L	113066140	rs10776755	1	113082974	C	G	0.524851	-0.0048416	0.00824842	0.55722	0.592557	0.0810038	2.57E-13	-0.0081707	0.0139648	0.5584839	0.2467052	7	0.89377419
ENSG00000226419	1	RP11-31F15.1	113499037	rs6669006	1	113562386	G	A	0.245527	-0.0037241	0.00888099	0.674971	-0.416231	0.0691649	1.77E-09	0.00894724	0.0213884	0.6757119	0.5200375	8	0.93518298
ENSG00000134207	1	SYT6	114631913	rs34179404	1	114747555	A	G	0.148111	-0.0054504	0.00962524	0.571217	0.314397	0.0476977	4.36E-11	-0.017336	0.0307277	0.5726302	0.3064112	7	0.89938743
ENSG00000116830	1	TTF2	117602925	rs2274253	1	117603156	T	G	0.0526839	-0.0075429	0.015564	0.627934	1.15376	0.118762	2.60E-22	-0.0065377	0.0135066	0.6283614	0.7444628	4	0.91863036
ENSG00000116874	1	WARS2	119573839	rs2645303	1	119555146	T	G	0.450298	-0.0058514	0.00805711	0.46769	-0.681553	0.0671757	3.46E-24	0.00858541	0.0118519	0.4688273	0.1928362	20	0.87345602
ENSG00000231365	1	RP11-418J17.1	119683019	rs12085308	1	119677553	C	T	0.276342	-0.011825	0.00933922	0.205452	-0.756724	0.0832078	9.51E-20	0.0156266	0.0124607	0.2098166	0.6038055	19	0.74658316
ENSG00000143067	1	ZNF697	120162045	rs12129705	1	120191044	T	A	0.117296	0.00380655	0.0125969	0.762514	-0.56645	0.0923947	8.75E-10	-0.00672	0.0222653	0.762793	0.6187783	4	0.95964323
ENSG00000223345	1	HIST2H2BA	120906028	rs7536214	1	121147880	T	A	0.60835	-0.0082809	0.0085488	0.332713	0.704824	0.0963799	2.61E-13	-0.0117489	0.0122349	0.3369163	0.7384799	14	0.82008889
ENSG00000223804	1	RP6-206I17.1	143647638	rs71259660	1	144581564	A	C	0.206759	-0.0042204	0.00987884	0.669223	-0.513499	0.0920822	2.45E-08	0.00821887	0.0192947	0.6701327	0.4573242	8	0.93322639
ENSG00000227733	1	RP4-565E6.1	146093234	rs74124103	1	147734892	T	C	0.153082	-0.0132889	0.0103852	0.200685	-0.875578	0.142017	7.04E-10	0.0151773	0.0121137	0.2102425	0.5243924	9	0.74658316
ENSG00000237188	1	RP11-337C18.8	146644350	rs12093458	1	146717875	T	C	0.437376	0.00348099	0.00805435	0.665606	0.396523	0.0700879	1.54E-08	0.00877878	0.0203716	0.6665178	0.7970225	16	0.93322639
ENSG00000131778	1	CHD1L	146714291	rs11239952	1	146715204	A	G	0.0487078	0.00447228	0.0169355	0.791721	-0.917656	0.11256	3.56E-16	-0.0048736	0.0184649	0.7918271	0.8299064	16	0.96351947
ENSG00000162836	1	ACP6	147101453	rs1344	1	147119273	A	G	0.576541	-0.0039214	0.00818002	0.631662	0.683508	0.0590438	5.43E-31	-0.0057372	0.011978	0.6319541	0.4857988	14	0.92131215
ENSG00000163131	1	CTSS	150702672	rs72702561	1	150685716	C	T	0.0795229	-0.04525	0.0164232	0.00586489	-0.418291	0.0749586	2.40E-08	0.108178	0.0437877	0.01349174	0.5651953	6	0.34907046
ENSG00000143437	1	ARNT	150782181	rs11204737	1	150847647	T	C	0.512922	0.00219709	0.00811157	0.7865	-0.255924	0.0358674	9.66E-13	-0.0085849	0.0317181	0.7866496	0.00636094	16	0.96351947
ENSG00000143398	1	PIP5K1A	151170425	rs150990548	1	151285823	A	G	0.0258449	-0.0087146	0.023812	0.714384	0.777389	0.105028	1.34E-13	-0.01121	0.0306682	0.7147181	0.9510825	6	0.94680929
ENSG00000143416	1	SELENBP1	151336778	rs61818031	1	151349916	C	G	0.315109	0.0144545	0.00945759	0.126427	-0.246723	0.0385202	1.50E-10	-0.0585859	0.039409	0.1371172	0.3409154	3	0.6978893
ENSG00000143376	1	SNX27	151584541	rs3204344	1	151669555	A	C	0.33002	0.0205096	0.00857879	0.0168147	0.312781	0.0385447	4.87E-16	0.0655718	0.028593	0.021832	0.0330429	18	0.40630032
ENSG00000178796	1	RIIAD1	151682909	rs41263712	1	151702063	G	A	0.0536779	-0.0031755	0.020473	0.876736	-0.588214	0.0912263	1.13E-10	0.00539861	0.0348154	0.876771	0.6527516	7	0.97700295
ENSG00000182134	1	TDRKH	151742583	rs868868	1	151762108	T	C	0.354871	0.0244991	0.00837942	0.00345876	0.35953	0.0518519	4.10E-12	0.068142	0.0252938	0.00705964	0.1994932	11	0.28385138
ENSG00000237975	1	FLG-AS1	152140601	rs61815526	1	152238688	A	G	0.133201	-0.0067935	0.0119593	0.570003	-1.14623	0.121577	4.18E-21	0.00592678	0.0104525	0.5707011	0.1937032	18	0.89822913
ENSG00000197915	1	HRNR	152184558	rs1858483	1	152310086	C	T	0.828032	-0.0039752	0.00919716	0.665581	-0.890433	0.130938	1.04E-11	0.00446434	0.0103497	0.6662139	0.7530192	9	0.93322639
ENSG00000143631	1	FLG	152274651	rs4845425	1	152195034	A	G	0.592445	-0.0046199	0.00838614	0.581708	-0.518427	0.0908524	1.15E-08	0.00891128	0.0162513	0.5834573	0.8817689	4	0.90180705
ENSG00000189171	1	S100A13	153591263	rs1411273	1	153602435	T	G	0.518887	0.0116818	0.00807824	0.148156	0.323543	0.0318741	3.29E-24	0.0361059	0.0252202	0.1522504	0.5335301	20	0.71191488
ENSG00000272030	1	RP1-178F15.4	153603914	rs28510471	1	153609886	G	C	0.524851	0.0106166	0.00805305	0.187394	-0.476644	0.0700926	1.04E-11	-0.0222736	0.0172099	0.195584	0.4619576	19	0.74217028
ENSG00000143552	1	NUP210L	153965161	rs41305088	1	154178724	A	C	0.0357853	0.0217932	0.0161283	0.176617	1.77091	0.179326	5.32E-23	0.0123062	0.00919221	0.180647	0.794101	16	0.72458287
ENSG00000163354	1	DCST2	154990996	rs10908452	1	155001929	C	T	0.361829	0.00936987	0.00816775	0.251308	-0.417001	0.0700818	2.68E-09	-0.0224697	0.0199476	0.2599815	0.3281358	10	0.78113927
ENSG00000169242	1	EFNA1	155099936	rs7364869	1	155087188	G	A	0.516899	-0.0176878	0.00809481	0.0288828	-0.25266	0.0424158	2.57E-09	0.0700063	0.0341259	0.04022661	0.09789119	7	0.50809144
ENSG00000160803	1	UBQLN4	156005092	rs11577179	1	155983710	G	A	0.606362	-0.0031962	0.00829941	0.700151	0.280601	0.0429289	6.30E-11	-0.0113907	0.0296286	0.7006451	0.7579621	3	0.94421269
ENSG00000242252	1	BGLAP	156211753	rs61814799	1	156295453	T	C	0.194831	-0.0028854	0.0123976	0.815962	-0.444558	0.0720734	6.91E-10	0.00649056	0.0279073	0.816091	0.3231509	3	0.96552943
ENSG00000163382	1	APOA1BP	156561554	rs6427323	1	156577789	C	G	0.247515	0.0217749	0.00963035	0.0237553	-0.437421	0.0647318	1.40E-11	-0.0497802	0.023216	0.03201523	0.6966666	10	0.48327225
ENSG00000188004	1	C1orf204	159804264	rs16842686	1	159809342	A	G	0.142147	0.0267181	0.0121064	0.0273181	0.531661	0.0916952	6.71E-09	0.050254	0.0243646	0.03915255	0.4121748	9	0.50579667
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.992572	0.0625037	8.69E-57	0.0130837	0.00842433	0.1204033	0.2899113	13	0.6716696
ENSG00000162728	1	KCNJ9	160051360	rs11265320	1	160069912	T	C	0.469185	-0.0017208	0.0081097	0.831963	-0.252673	0.0451859	2.25E-08	0.00681019	0.0321187	0.8320824	0.6731757	9	0.96886511
ENSG00000132681	1	ATP1A4	160121360	rs1063125	1	160098543	A	G	0.186879	0.0174461	0.0114793	0.128564	0.769047	0.0952636	6.87E-16	0.0226853	0.0151889	0.1352929	0.5379892	16	0.6978893
ENSG00000122218	1	COPA	160259063	rs1886421	1	160309450	C	G	0.511928	0.00032609	0.00806752	0.967758	0.249436	0.0396325	3.10E-10	0.00130732	0.0323437	0.9677586	0.5737761	18	0.99428844
ENSG00000215845	1	TSTD1	161007421	rs10908821	1	161008535	G	C	0.130219	-0.0026172	0.0115838	0.821251	0.411815	0.0558232	1.62E-13	-0.0063553	0.0281418	0.8213334	0.4950936	19	0.96751805
ENSG00000185860	1	C1orf110	162794248	rs12024415	1	162832406	T	C	0.190855	0.034287	0.0107688	0.00145305	0.566766	0.0889431	1.86E-10	0.0604959	0.0212402	0.00439704	0.5925524	7	0.27120636
ENSG00000232995	1	RP11-267N12.3	163214295	rs952089	1	163288666	A	G	0.181909	-0.0026015	0.00936414	0.781158	-0.623551	0.109463	1.22E-08	0.00417201	0.0150353	0.7814107	0.7801886	4	0.96335446
ENSG00000225171	1	DUTP6	166837985	rs6675750	1	166827224	A	G	0.417495	0.00012425	0.00821184	0.987928	0.71191	0.0852537	6.80E-17	0.00017454	0.011535	0.9879276	0.4068157	20	0.99624056
ENSG00000143194	1	MAEL	166958346	rs2072741	1	166929664	T	C	0.471173	-2.93E-05	0.00808998	0.997115	0.562831	0.0737508	2.32E-14	-5.20E-05	0.0143737	0.9971146	0.8245749	13	0.99886311
ENSG00000143199	1	ADCY10	167778625	rs10800333	1	167934581	T	C	0.109344	0.0107791	0.011181	0.335021	0.675303	0.11735	8.68E-09	0.0159619	0.0167877	0.3417034	0.3899864	6	0.82742846
ENSG00000143158	1	MPC2	167885967	rs12084187	1	167980514	C	T	0.109344	0.010809	0.0111811	0.333686	-0.266609	0.0457055	5.44E-09	-0.0405425	0.0425102	0.3402293	0.9045345	6	0.82569382
ENSG00000143153	1	ATP1B1	169074935	rs12035622	1	169102340	A	T	0.12326	0.0221761	0.0130567	0.0894252	0.228957	0.03814	1.94E-09	0.0968571	0.0592654	0.1021973	0.55213	8	0.64961631
ENSG00000000460	1	C1orf112	169631245	rs12089057	1	169845756	A	T	0.260437	0.011708	0.00941909	0.213866	-0.447	0.0701612	1.88E-10	-0.0261924	0.0214691	0.2224631	0.3272845	7	0.75840867
ENSG00000188404	1	SELL	169659808	rs17589728	1	169615767	A	C	0.237575	0.0165366	0.0101078	0.101836	-0.40224	0.068098	3.49E-09	-0.0411113	0.0260748	0.1148727	0.361673	12	0.66853336
ENSG00000171806	1	METTL18	169761670	rs12142505	1	169773863	C	A	0.0964215	-0.0213437	0.0159927	0.182011	-0.680743	0.113837	2.23E-09	0.0313535	0.024071	0.1927299	0.4356249	5	0.73947658
ENSG00000120370	1	GORAB	170501270	rs72707652	1	170383393	A	G	0.0894632	0.0156757	0.0163693	0.338252	-0.670907	0.0935608	7.46E-13	-0.0233649	0.0246154	0.3425183	0.7247299	15	0.8287878
ENSG00000271811	1	RP1-79C4.4	170636522	rs659580	1	170633896	C	T	0.78827	0.0157947	0.00922197	0.0867641	0.531801	0.0894792	2.79E-09	0.0297004	0.0180467	0.09981504	0.1791979	10	0.64834522
ENSG00000094963	1	FMO2	171154347	rs12124505	1	171188532	A	T	0.176938	-0.0066572	0.0109583	0.543517	-0.588019	0.0980835	2.03E-09	0.0113214	0.0187314	0.5455738	0.3904958	6	0.88843971
ENSG00000162753	1	SLC9C2	173469603	rs61826793	1	173646773	A	G	0.121272	0.0204003	0.0128743	0.113064	0.683778	0.0965861	1.45E-12	0.0298347	0.0192941	0.1220286	0.9095773	13	0.67319221
ENSG00000117593	1	DARS2	173793641	rs28804123	1	173804557	C	A	0.277336	0.0150361	0.00945508	0.111776	-0.453429	0.082873	4.47E-08	-0.0331609	0.0217153	0.1267432	0.8729161	3	0.68294787
ENSG00000117601	1	SERPINC1	173872947	rs12089005	1	174020888	C	T	0.116302	0.0217827	0.0136264	0.109917	0.924651	0.131463	2.01E-12	0.0235578	0.0151126	0.1190408	0.781477	8	0.66978378
ENSG00000152092	1	ASTN1	176826438	rs61813267	1	176877947	T	C	0.110338	0.00928327	0.0148961	0.533152	-0.394625	0.071696	3.71E-08	-0.0235243	0.0379887	0.5357551	0.5969016	4	0.88747737
ENSG00000242193	1	RP11-568K15.1	177975271	rs11584600	1	177981560	A	G	0.290258	-0.0014186	0.00888909	0.873208	-0.328962	0.0548287	1.98E-09	0.00431223	0.0270312	0.8732529	0.662712	5	0.97700295
ENSG00000116199	1	FAM20B	178994939	rs6425513	1	179006462	A	G	0.647117	-0.0242642	0.00939232	0.00978295	0.265864	0.0347287	1.93E-14	-0.0912655	0.0372848	0.01437356	0.1385583	19	0.3522782
ENSG00000186283	1	TOR3A	179050512	rs1128952	1	179065125	T	C	0.2833	-0.0059923	0.00844837	0.478149	-0.372903	0.0608045	8.63E-10	0.0160693	0.0228067	0.4810673	0.8058767	4	0.87638737
ENSG00000143322	1	ABL2	179068462	rs3210839	1	179069429	T	C	0.622266	-0.0007631	0.00852721	0.92869	-0.32576	0.0408187	1.46E-15	0.00234259	0.026178	0.9286949	0.02676566	15	0.98848643
ENSG00000135823	1	STX6	180941861	rs10753232	1	180950126	T	C	0.430417	-0.0148099	0.00855923	0.0835795	0.38583	0.0534795	5.41E-13	-0.0383845	0.022813	0.09245833	0.6800764	8	0.63765038
ENSG00000058085	1	LAMC2	183155373	rs2276543	1	183155305	A	G	0.293241	0.0117543	0.00840645	0.162039	0.358885	0.0521915	6.14E-12	0.0327523	0.0239032	0.1706223	0.7108705	4	0.72148239
ENSG00000198756	1	COLGALT2	183898796	rs7539021	1	183935831	G	A	0.604374	0.00067192	0.00818955	0.934611	0.431253	0.0426192	4.56E-24	0.00155806	0.0189908	0.9346126	0.7809527	9	0.99132842
ENSG00000198860	1	TSEN15	184020811	rs10911505	1	184049978	C	T	0.336978	-0.0050474	0.00827352	0.541816	0.293526	0.0521874	1.86E-08	-0.0171958	0.028352	0.5441749	0.6813814	11	0.88843971
ENSG00000273198	1	GS1-304P7.3	186490905	rs10911887	1	186537851	A	G	0.117296	0.0119882	0.0152239	0.431015	-0.797846	0.133331	2.18E-09	-0.0150257	0.0192458	0.4349624	0.5483768	10	0.86824012
ENSG00000118197	1	DDX59	200593024	rs12061556	1	200650239	C	G	0.425447	0.0215943	0.00805502	0.00734345	-0.416508	0.0562223	1.28E-13	-0.0518461	0.0205667	0.01170655	0.673466	9	0.33802005
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.925715	0.069148	7.16E-41	0.0209043	0.00885195	0.01819894	0.3272264	20	0.36498365
ENSG00000198892	1	SHISA4	201857808	rs6427922	1	201855412	A	G	0.209742	-0.0149894	0.00935997	0.109281	-0.419064	0.0561018	8.04E-14	0.0357688	0.022843	0.1173826	0.3864371	6	0.6696749
ENSG00000214796	1	RP11-480I12.5	202820956	rs6697533	1	202830219	C	A	0.394632	0.00826794	0.00812183	0.308683	-0.57793	0.0961994	1.88E-09	-0.0143061	0.0142536	0.3155318	0.2066884	4	0.80899879
ENSG00000117153	1	KLHL12	202860228	rs114170147	1	202896142	C	G	0.054672	-0.0181738	0.0153841	0.237467	-0.708613	0.120698	4.33E-09	0.025647	0.0221453	0.2468134	0.4138062	11	0.76959804
ENSG00000163444	1	TMEM183A	202976514	rs782785	1	202988006	T	C	0.5	0.00642483	0.00822038	0.434465	-0.196893	0.0267897	1.99E-13	-0.0326311	0.0419859	0.437046	0.8065624	5	0.86824012
ENSG00000174529	1	TMEM81	205052258	rs16937	1	205035455	G	A	0.675944	-0.0001184	0.00884078	0.989315	-0.358056	0.0632273	1.49E-08	0.00033066	0.0246911	0.9893153	0.3225142	9	0.99663227
ENSG00000133059	1	DSTYK	205111632	rs10900455	1	205123534	C	T	0.607356	0.0106544	0.00819335	0.193475	0.31117	0.050777	8.89E-10	0.0342398	0.0269171	0.2033558	0.2067687	18	0.74217028
ENSG00000133069	1	TMCC2	205197304	rs1180734	1	205255438	C	T	0.357853	0.00338587	0.00824396	0.681285	-0.251022	0.0428005	4.49E-09	-0.0134883	0.032922	0.6820218	0.3327798	11	0.93827542
ENSG00000174514	1	MFSD4	205538013	rs7540462	1	205563376	A	G	0.89165	-0.0115252	0.0148843	0.438742	-0.401184	0.0676852	3.08E-09	0.028728	0.0374162	0.4426088	0.7127771	10	0.86824012
ENSG00000117280	1	RAB7L1	205737114	rs1775148	1	205757824	T	C	0.637177	0.00746369	0.00851199	0.380571	0.227575	0.0360077	2.61E-10	0.0327966	0.0377613	0.3851068	0.4719757	10	0.84682194
ENSG00000162877	1	PM20D1	205797150	rs9438393	1	205782718	G	A	0.394632	0.0119225	0.00809409	0.140753	-0.671092	0.104042	1.12E-10	-0.0177658	0.0123716	0.1509967	0.03143827	10	0.71191488
ENSG00000261000	1	RP11-534L20.5	206677281	rs7418638	1	206671796	T	C	0.488072	0.0067034	0.00815123	0.410861	0.841517	0.074213	8.39E-30	0.00796585	0.00971179	0.4120881	0.843344	15	0.85948219
ENSG00000203710	1	CR1	207669492	rs2093760	1	207786828	G	A	0.816103	0.00563595	0.0101223	0.577674	-0.541079	0.0875041	6.27E-10	-0.0104161	0.0187833	0.579208	0.3777785	5	0.89957869
ENSG00000117335	1	CD46	207925402	rs2724360	1	207943158	T	C	0.793241	-0.0067889	0.0096564	0.482024	0.405169	0.0457394	8.13E-19	-0.0167558	0.023908	0.4833986	0.299047	17	0.87638737
ENSG00000261453	1	RP11-565N2.1	208780445	rs1166934	1	208958523	C	T	0.633201	0.0108914	0.00838237	0.193834	0.546012	0.0655652	8.24E-17	0.0199472	0.0155377	0.1992153	0.1178929	16	0.74217028
ENSG00000259815	1	RP11-565N2.2	208800086	rs1166934	1	208958523	C	T	0.633201	0.0108914	0.00838237	0.193834	0.553407	0.0691963	1.27E-15	0.0196806	0.0153454	0.1996648	0.1779675	13	0.74217028
ENSG00000203706	1	SERTAD4-AS1	210404801	rs674513	1	210424674	G	T	0.422465	-0.0097204	0.00813193	0.231957	0.526579	0.0655778	9.76E-16	-0.0184595	0.0156131	0.2370844	0.2333581	18	0.76866335
ENSG00000236809	1	SNX25P1	211590367	rs11579557	1	211619703	A	G	0.206759	-0.0079147	0.0109778	0.47093	0.70299	0.119914	4.56E-09	-0.0112586	0.0157335	0.4742516	0.5067634	14	0.87401101
ENSG00000226251	1	RP11-15I11.3	212398620	rs2884466	1	212555668	A	G	0.200795	-0.0007562	0.010457	0.94235	1.06656	0.0996979	1.04E-26	-0.000709	0.00980464	0.9423514	0.4553548	19	0.99244418
ENSG00000065600	1	TMEM206	212537273	rs12023488	1	212498198	T	C	0.366799	0.00982728	0.00911021	0.280717	-0.316861	0.0392111	6.43E-16	-0.0310145	0.0290065	0.2849678	0.5723092	20	0.79552497
ENSG00000123685	1	BATF3	212859760	rs12133919	1	212870612	A	G	0.124254	-0.0056556	0.0137469	0.680774	0.547381	0.0814108	1.77E-11	-0.0103321	0.0251609	0.6813368	0.5205047	8	0.93780632
ENSG00000198468	1	FLVCR1-AS1	213025450	rs12043852	1	213059806	A	C	0.526839	0.00210317	0.00819708	0.797506	1.05844	0.0798299	4.02E-40	0.00198705	0.00774594	0.7975436	0.6086162	20	0.96383365
ENSG00000162769	1	FLVCR1	213031597	rs12036853	1	213078181	T	A	0.249503	0.00227949	0.010291	0.824701	0.620524	0.078579	2.86E-15	0.00367349	0.0165909	0.8247684	0.6520939	15	0.96806096
ENSG00000230461	1	PROX1-AS1	213991094	rs340878	1	214157049	C	G	0.625249	-0.0178033	0.00811132	0.0281728	0.297737	0.050215	3.04E-09	-0.0597954	0.0290499	0.03955494	0.8374129	12	0.50707882
ENSG00000067533	1	RRP15	218458629	rs56238934	1	218496066	C	T	0.403579	0.0143169	0.00806445	0.0758473	0.726994	0.0695281	1.37E-25	0.0196933	0.0112516	0.0800732	0.1001817	9	0.60868991
ENSG00000272823	1	RP11-295M18.6	221002018	rs11118618	1	221011546	T	C	0.244533	-0.0084943	0.00939039	0.365691	0.759342	0.106008	7.89E-13	-0.0111864	0.0124647	0.369481	0.05967327	19	0.8352928
ENSG00000238078	1	RP11-295M18.2	221002597	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.720257	0.0898367	1.08E-15	-0.007679	0.0118874	0.518295	0.1696351	16	0.88027463
ENSG00000225265	1	RP11-378J18.3	222763167	rs2936027	1	222762316	T	C	0.141153	-0.0150204	0.0106397	0.158031	-0.681494	0.123743	3.64E-08	0.0220404	0.0161171	0.1714632	0.4646056	5	0.72148239
ENSG00000154305	1	MIA3	222791428	rs17163301	1	222794091	C	T	0.73161	0.00522934	0.00930622	0.574172	-0.220255	0.0332554	3.52E-11	-0.0237422	0.0424038	0.5755427	0.5129016	15	0.89957869
ENSG00000272750	1	RP11-378J18.8	222832209	rs36079339	1	222841614	A	G	0.737575	0.00622464	0.00925388	0.501169	-0.888463	0.0816265	1.37E-27	-0.0070061	0.0104355	0.5019842	0.2401202	20	0.87805165
ENSG00000186063	1	AIDA	222841355	rs36079339	1	222841614	A	G	0.737575	0.00622464	0.00925388	0.501169	0.2232	0.0402975	3.05E-08	0.0278882	0.0417647	0.5042959	0.8094697	12	0.8783337
ENSG00000162819	1	BROX	222885895	rs112043396	1	222917729	A	G	0.0258449	-0.0127044	0.0231834	0.583695	0.70443	0.113248	4.96E-10	-0.018035	0.0330383	0.5851476	0.9087062	5	0.90313858
ENSG00000228106	1	RP11-452F19.3	222988364	rs61839610	1	223019374	G	T	0.0944334	-0.0276052	0.0137311	0.0443874	0.536154	0.0912171	4.16E-09	-0.0514874	0.027067	0.05714216	0.4673249	9	0.55393262
ENSG00000203697	1	CAPN8	223711349	rs12128409	1	223909394	C	G	0.0924453	0.00442131	0.0207756	0.831473	0.964184	0.155529	5.67E-10	0.00458555	0.02156	0.8315708	0.8991255	10	0.96886511
ENSG00000272645	1	RP11-504P24.8	224139096	rs10799372	1	224146406	T	C	0.586481	0.0112441	0.00816275	0.168361	0.357295	0.0537826	3.07E-11	0.0314701	0.0233319	0.1774014	0.05504541	9	0.72148239
ENSG00000232628	1	RP11-365O16.3	224396449	rs10916403	1	224352551	C	A	0.431412	0.00696799	0.00833267	0.403028	0.469527	0.0836437	1.98E-08	0.0148404	0.0179428	0.4081813	0.260886	5	0.85809947
ENSG00000196187	1	TMEM63A	226033237	rs360092	1	226063446	A	C	0.658052	-0.0058823	0.00888703	0.50804	0.199283	0.0343089	6.30E-09	-0.0295171	0.0448836	0.5107716	0.4126893	9	0.8783337
ENSG00000143768	1	LEFTY2	226124298	rs74578461	1	226127443	C	G	0.345924	-0.0096473	0.00878519	0.272149	-0.49336	0.0815144	1.43E-09	0.0195542	0.0180976	0.2799252	0.270877	8	0.79306676
ENSG00000163041	1	H3F3A	226249552	rs12096468	1	226258270	T	C	0.279324	0.00721052	0.0089963	0.422843	0.718287	0.0636852	1.67E-29	0.0100385	0.0125562	0.4240108	0.1628826	20	0.86364609
ENSG00000185155	1	MIXL1	226411319	rs7552015	1	226460188	C	G	0.67992	-0.0032228	0.0094242	0.732372	0.544237	0.0931166	5.08E-09	-0.0059217	0.017346	0.7328108	0.2235428	7	0.94884724
ENSG00000143740	1	SNAP47	227916240	rs7551459	1	227724018	G	A	0.607356	0.00686819	0.00818795	0.401573	0.187881	0.0319909	4.28E-09	0.0365561	0.0440228	0.4063185	0.2018765	14	0.85638632
ENSG00000154342	1	WNT3A	228194752	rs708113	1	228192753	A	T	0.642147	0.00400537	0.00863215	0.642643	-0.797222	0.0861938	2.26E-20	-0.0050242	0.0108414	0.643061	0.3093628	20	0.92525205
ENSG00000162910	1	MRPL55	228294380	rs708113	1	228192753	A	T	0.642147	0.00400537	0.00863215	0.642643	0.21363	0.038372	2.59E-08	0.0187491	0.0405471	0.6437924	0.6904255	5	0.92525205
ENSG00000135744	1	AGT	230838269	rs3789649	1	230816460	T	C	0.210736	-0.0033623	0.00912646	0.712564	-0.472341	0.0516306	5.77E-20	0.00711842	0.0193374	0.7127867	0.1640909	20	0.94634312
ENSG00000135773	1	CAPN9	230883130	rs12123669	1	230902382	G	A	0.486083	-0.0020714	0.00806372	0.797275	0.441665	0.0631767	2.73E-12	-0.0046899	0.0182699	0.7974088	0.9951999	19	0.96383365
ENSG00000182118	1	FAM89A	231154704	rs4543780	1	231174431	T	C	0.295229	0.025722	0.00877536	0.00337699	-0.575121	0.0733094	4.33E-15	-0.0447245	0.0162885	0.00603694	0.04837041	14	0.28309029
ENSG00000135778	1	NTPCR	233086351	rs12725558	1	233091463	A	T	0.16004	0.00406713	0.0107642	0.705552	0.796528	0.0717345	1.20E-28	0.00510607	0.0135217	0.7057129	0.498706	12	0.94504139
ENSG00000224939	1	LINC00184	234765057	rs6696170	1	234772346	T	C	0.205765	-0.0173101	0.0105865	0.102027	0.640539	0.102533	4.18E-10	-0.0270243	0.0170842	0.1136893	0.00384068	10	0.66853336
ENSG00000168243	1	GNG4	235710987	rs58577934	1	235789052	T	C	0.0159046	-0.0029346	0.0321484	0.927268	-0.821987	0.127932	1.32E-10	0.00357009	0.0391145	0.9272758	0.9817986	3	0.98793237
ENSG00000077585	1	GPR137B	236305832	rs1111667	1	236378916	C	T	0.136183	0.00644584	0.0107865	0.550119	0.310661	0.0489393	2.18E-10	0.0207488	0.0348746	0.5518745	0.05942088	4	0.89134276
ENSG00000086619	1	ERO1LB	236378855	rs2695064	1	236411933	T	A	0.279324	-0.0140989	0.00835414	0.0914766	0.547077	0.0748329	2.66E-13	-0.0257713	0.0156721	0.1000922	0.8804471	20	0.64834522
ENSG00000230325	1	RP11-385F5.4	236703394	rs16833828	1	236702661	T	C	0.625249	0.0263195	0.00879249	0.0027588	0.657144	0.0935173	2.11E-12	0.0400513	0.0145433	0.00588817	0.683408	20	0.28306507
ENSG00000180875	1	GREM2	240652873	rs2153290	1	240696879	A	G	0.540755	0.00483692	0.00809495	0.550159	-0.249382	0.0352422	1.48E-12	-0.0193956	0.0325756	0.5515733	0.09372162	7	0.89134276
ENSG00000272865	1	RP11-561I11.4	242310816	rs1836766	1	242315638	G	T	0.408549	0.00612751	0.00827308	0.458902	1.05805	0.0727285	6.02E-48	0.00579132	0.0078293	0.459483	0.6711294	20	0.87171059
ENSG00000224525	1	RP11-561I11.3	242366857	rs1836766	1	242315638	G	T	0.408549	0.00612751	0.00827308	0.458902	0.85965	0.0715399	2.91E-33	0.00712791	0.00964204	0.4597531	0.6929673	20	0.87171059
ENSG00000253326	1	RP11-261C10.7	243218163	rs806232	1	243262131	G	C	0.259443	-0.0082563	0.0100667	0.41213	0.747261	0.112827	3.52E-11	-0.0110487	0.0135744	0.4156807	0.3099267	10	0.86117441
ENSG00000035687	1	ADSS	244571796	rs3006001	1	244603742	A	C	0.832008	0.0058055	0.00936991	0.535528	-0.363852	0.0665833	4.64E-08	-0.0159557	0.025917	0.5381287	0.4686365	6	0.88747737
ENSG00000272195	1	RP11-156E8.1	245132652	rs2291426	1	245134114	C	A	0.582505	0.0265544	0.0086617	0.0021714	1.03926	0.0711598	2.63E-48	0.0255513	0.00851614	0.00269683	0.1412083	20	0.2524555
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.792365	0.0552604	1.25E-46	-0.0143954	0.0102775	0.161311	0.0027394	20	0.71666927
ENSG00000260855	1	RP11-439E19.10	246935603	rs9426267	1	246887046	G	T	0.439364	0.0157296	0.0085664	0.0663285	0.412864	0.0579059	1.00E-12	0.0380987	0.0214257	0.07537495	0.7422721	20	0.59573523
ENSG00000227953	1	RP11-439E19.3	246939315	rs7779	1	246930564	C	G	0.0666004	-0.0247987	0.0165092	0.133067	-0.698088	0.118397	3.72E-09	0.0355237	0.0244046	0.1454979	0.7634928	4	0.70919091
ENSG00000188295	1	ZNF669	247263264	rs2270616	1	247267668	T	G	0.388668	-0.0017997	0.00825834	0.827489	0.553273	0.0727833	2.92E-14	-0.0032528	0.0149325	0.827559	0.1536784	20	0.96861312
ENSG00000221953	1	C1orf229	247273462	rs73135916	1	247274899	G	A	0.324056	0.0108087	0.00893166	0.226221	-0.619193	0.0707007	1.99E-18	-0.0174561	0.0145617	0.230619	0.444019	20	0.76373142
ENSG00000196418	1	ZNF124	247285277	rs4925710	1	247288022	C	T	0.277336	0.00976945	0.0093627	0.296743	-0.853334	0.0867309	7.66E-23	-0.0114486	0.0110334	0.2994448	0.8954838	20	0.80291535
ENSG00000162714	1	ZNF496	247460714	rs10754544	1	247484791	A	G	0.33499	-0.0102459	0.00828146	0.216009	0.363439	0.0567274	1.49E-10	-0.0281915	0.0232074	0.2244552	0.8892668	9	0.75840867

ENSG00000238243	1	OR2W3	248031277	rs7546574	1	248012311	A	T	0.742545	-0.0018976	0.00977702	0.84611	0.377244	0.0657941	9.83E-09	-0.0050301	0.0259318	0.8461973	0.1936981	8	0.97214076
ENSG00000177462	1	OR2T8	248084320	rs4925740	1	248007428	C	T	0.735586	0.00173476	0.00974082	0.858651	0.460725	0.079241	6.09E-09	0.00376528	0.0211523	0.8587165	0.06917503	14	0.976398
ENSG00000226191	1	RP11-438H8.8	248099363	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.60843	0.0885719	6.45E-12	-0.0066442	0.0140279	0.6357528	0.4039758	9	0.92409663
ENSG00000196071	1	OR2L13	248100493	rs12126459	1	248113436	T	C	0.657058	0.00692354	0.00846725	0.413537	-0.643655	0.0849802	3.61E-14	-0.0107566	0.0132314	0.4162405	0.2892033	11	0.86117441
ENSG00000203663	1	OR2L2	248201474	rs12126459	1	248113436	T	C	0.657058	0.00692354	0.00846725	0.413537	-0.491208	0.086649	1.44E-08	-0.0140949	0.017416	0.4183374	0.2985854	8	0.86117441
ENSG00000229255	1	RP11-407H12.8	248647546	rs2154333	1	248843314	T	C	0.804175	-0.0009067	0.00933718	0.922642	0.476209	0.0822464	7.04E-09	-0.001904	0.0196101	0.9226529	0.4960162	3	0.98793237
ENSG00000175137	1	SH3BP5L	249104648	rs6604752	1	249116097	G	C	0.121272	0.00872587	0.0124605	0.483752	-0.390046	0.0630417	6.13E-10	-0.0223714	0.0321502	0.4865293	0.7302227	20	0.8777292
ENSG00000233296	2	AC092159.2	677186	rs3210390	2	677295	T	C	0.100398	-0.003164	0.0120102	0.792206	1.09945	0.135767	5.58E-16	-0.0028778	0.0109296	0.7923141	0.5121565	11	0.96351947
ENSG00000130508	2	PXDN	1635659	rs6757166	2	1821294	G	A	0.206759	0.0114717	0.0106344	0.280704	-0.539115	0.0643916	5.64E-17	-0.0212788	0.0198887	0.2846683	0.8185425	19	0.79552497
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs4535074	2	3481637	C	T	0.416501	-0.0084851	0.00822103	0.302016	-0.400114	0.05451	2.13E-13	0.0212067	0.0207488	0.3067505	0.9572223	20	0.80584798
ENSG00000271868	2	RP11-1293J14.1	3500727	rs12714377	2	3475389	G	A	0.142147	0.00102579	0.0153895	0.946856	-0.707895	0.120472	4.20E-09	-0.0014491	0.0217412	0.9468596	0.4773238	8	0.99289521
ENSG00000182551	2	ADI1	3501132	rs10179340	2	3523324	G	A	0.840954	0.00651919	0.00963286	0.498555	0.392839	0.0595	4.05E-11	0.0165951	0.0246496	0.5007958	0.9615661	10	0.87805165
ENSG00000234171	2	AC108488.3	3606082	rs12629	2	3609064	A	G	0.295229	0.0086602	0.00838912	0.301926	-1.11718	0.0663533	1.31E-63	-0.0077518	0.00752329	0.3028324	0.4508615	16	0.80442017
ENSG00000118004	2	COLEC11	3642426	rs4850068	2	3655743	T	C	0.67495	-0.0093067	0.00909112	0.305973	-0.934984	0.101992	4.86E-20	0.00995383	0.00978373	0.3089698	0.5077796	15	0.80584798
ENSG00000151360	2	ALLC	3705785	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.29043	0.14042	3.94E-20	-0.0091501	0.0101925	0.3693327	0.4368227	8	0.8352928
ENSG00000205837	2	LINC00487	6868309	rs10495545	2	6990020	T	C	0.115308	0.00656604	0.0120227	0.584973	0.88053	0.132734	3.27E-11	0.00745692	0.0137001	0.5862381	0.4348388	4	0.90354189
ENSG00000225964	2	AC017076.5	6968645	rs10495545	2	6990020	T	C	0.115308	0.00656604	0.0120227	0.584973	0.988901	0.141298	2.58E-12	0.00663973	0.0121946	0.5861101	0.6165294	5	0.90354189
ENSG00000271947	2	RP11-439M11.1	7045855	rs13011206	2	7120481	T	G	0.367793	-0.0038709	0.00843397	0.646263	-0.43241	0.0536715	7.84E-16	0.0089518	0.0195362	0.6467969	0.2063525	14	0.92722972
ENSG00000228203	2	RNF144A-AS1	7052408	rs12618219	2	7117209	A	G	0.369781	-0.0040639	0.00842487	0.629542	-0.424997	0.0377127	1.86E-29	0.00956223	0.0198415	0.6298553	0.1139666	20	0.91919508
ENSG00000272002	2	RP11-557L19.1	7401002	rs4668529	2	7369875	T	C	0.399602	0.00601652	0.00826032	0.466391	0.511884	0.0678584	4.58E-14	0.0117537	0.0162121	0.4684568	0.6962513	11	0.87345602
ENSG00000151694	2	ADAM17	9628615	rs6432017	2	9693875	A	G	0.66501	0.00922126	0.00811326	0.25572	0.323686	0.0500817	1.03E-10	0.0284883	0.0254498	0.2629737	0.3990226	8	0.78131464
ENSG00000260077	2	RP11-254F7.2	10179219	rs113710918	2	10191820	G	A	0.141153	0.00206081	0.0132024	0.875959	0.578997	0.0966962	2.13E-09	0.00355928	0.0228099	0.876001	0.3766177	4	0.97700295
ENSG00000115761	2	NOL10	10710892	rs55974540	2	10835999	A	G	0.319085	0.00044722	0.00863223	0.958682	0.362588	0.0600608	1.57E-09	0.0012334	0.0238081	0.9586834	0.7102973	7	0.99428844
ENSG00000271952	2	RP11-245G13.2	11018395	rs34413173	2	10984402	A	G	0.421471	0.0124559	0.00846711	0.141265	0.724495	0.0741725	1.55E-22	0.0171925	0.0118187	0.145756	0.2610799	6	0.70919091
ENSG00000162976	2	PQLC3	11295324	rs7598570	2	11295867	C	G	0.649105	0.00247651	0.00823361	0.763583	-0.303564	0.0484378	3.68E-10	-0.0081581	0.0271544	0.7638455	0.6284408	10	0.95964323
ENSG00000196208	2	GREB1	11674242	rs3816096	2	11752919	A	G	0.743539	-0.0157961	0.00945291	0.0947175	0.512534	0.0825829	5.42E-10	-0.0308196	0.0191003	0.1066215	0.4170351	6	0.65763337
ENSG00000169006	2	NTSR2	11798304	rs4669764	2	11802886	G	A	0.692843	-0.0007482	0.00935333	0.936242	-0.299618	0.0488981	8.93E-10	0.00249723	0.0312202	0.936247	0.5416728	3	0.99132842
ENSG00000134324	2	LPIN1	11817721	rs3795974	2	11924950	C	T	0.596421	0.0121625	0.00833667	0.144589	0.49591	0.0627039	2.60E-15	0.0245256	0.0170945	0.1513699	0.2720983	10	0.71191488
ENSG00000178295	2	GEN1	17935125	rs11892418	2	17969345	T	C	0.112326	-0.0017505	0.0144529	0.903597	0.680102	0.0855886	1.92E-15	-0.0025739	0.0212535	0.903608	0.6811611	20	0.98439248
ENSG00000170745	2	KCNS3	18059114	rs4832413	2	18274443	A	C	0.272366	-0.0086718	0.00874683	0.321482	0.356701	0.0649734	4.02E-08	-0.024311	0.0249181	0.3292452	0.9679864	5	0.81680644
ENSG00000183891	2	TTC32	20096404	rs60084614	2	20101229	A	C	0.109344	-0.0305741	0.0150852	0.0426874	1.14984	0.113847	5.53E-24	-0.0265899	0.0133809	0.04690622	0.9204096	8	0.52621691
ENSG00000118961	2	C2orf43	20883788	rs10182643	2	20884586	C	G	0.246521	0.00474416	0.00930063	0.609988	-0.746553	0.0722985	5.38E-25	-0.0063548	0.0124733	0.6104236	0.4617977	18	0.91302632
ENSG00000219626	2	FAM228B	24299396	rs12713210	2	24351009	C	T	0.138171	0.032876	0.010158	0.00121018	-0.914207	0.0916008	1.86E-23	-0.0359612	0.0116809	0.00207952	0.7204936	20	0.22608657
ENSG00000232642	2	AC008073.7	24388753	rs36101491	2	24387532	T	C	0.289264	-0.0179728	0.00929001	0.0530347	0.745336	0.109511	1.00E-11	-0.0241137	0.012958	0.06275587	0.08258758	20	0.5653713
ENSG00000138031	2	ADCY3	25042038	rs7569646	2	25152800	G	A	0.341948	0.00193141	0.00859188	0.822139	-0.229857	0.0396241	6.59E-09	-0.0084027	0.0374073	0.8222701	0.7753678	11	0.96757179
ENSG00000224165	2	DNAJC27-AS1	25194259	rs754537	2	25176277	T	A	0.518887	0.00497284	0.00813392	0.540955	0.349711	0.0614497	1.26E-08	0.0142199	0.0233928	0.5432716	0.743542	5	0.88843971
ENSG00000138029	2	HADHB	26466038	rs79231214	2	26509650	G	A	0.0656064	-0.0173082	0.0173872	0.319513	0.409573	0.0711228	8.48E-09	-0.0422591	0.0430816	0.3266377	0.3309593	20	0.81477095
ENSG00000138030	2	KHK	27309615	rs6746337	2	27341063	T	A	0.374751	-0.0140129	0.00855186	0.1013	0.314547	0.0564364	2.50E-08	-0.0445495	0.0283385	0.1159394	0.02560724	4	0.66853336
ENSG00000157992	2	KRTCAP3	27665233	rs780112	2	27665361	G	C	0.375746	0.0224341	0.00814274	0.00586732	0.528426	0.0805768	5.45E-11	0.0424546	0.016714	0.01108345	0.1233935	14	0.33066636
ENSG00000213639	2	PPP1CB	28974506	rs12714243	2	28992293	A	G	0.480119	0.0130298	0.00808026	0.106842	0.283147	0.0415203	9.14E-12	0.0460178	0.0293243	0.1165847	0.9312131	19	0.66853336
ENSG00000171103	2	TRMT61B	29072687	rs4563180	2	29093695	G	C	0.411531	-0.0124185	0.00815387	0.127754	0.557494	0.0627529	6.45E-19	-0.0222756	0.0148393	0.1333245	0.9202963	20	0.6978893
ENSG00000189350	2	FAM179A	29179477	rs12467459	2	29206648	G	A	0.475149	-0.0030554	0.00807583	0.705178	0.394785	0.0510121	1.00E-14	-0.0077394	0.0204807	0.7055141	0.7639003	20	0.94504139
ENSG00000179270	2	C2orf71	29283842	rs13012389	2	29288466	C	T	0.251491	-0.0044351	0.0114396	0.698237	-0.808023	0.0826363	1.40E-22	0.00548887	0.0141686	0.6984635	0.3944103	17	0.94421269
ENSG00000172954	2	LCLAT1	30670092	rs6705814	2	30704104	C	T	0.615308	-0.0084026	0.0081567	0.302941	-0.395662	0.0654157	1.46E-09	0.0212368	0.0209122	0.3098559	0.7676032	20	0.80584798
ENSG00000018699	2	TTC27	32853099	rs111896629	2	32903548	A	G	0.120278	0.00637116	0.0138566	0.645666	-0.900744	0.102152	1.17E-18	-0.0070732	0.0154044	0.6461131	0.201974	20	0.92678531
ENSG00000218739	2	AC007390.5	37423631	rs10779921	2	37440355	C	T	0.650099	0.00340837	0.00853107	0.689508	-0.389601	0.0510635	2.35E-14	-0.0087484	0.0219269	0.6899096	0.5865506	20	0.94094425
ENSG00000115816	2	CEBPZ	37428755	rs12616151	2	37545203	G	T	0.419483	-0.002585	0.00809269	0.749409	-0.406052	0.0573163	1.40E-12	0.00636608	0.0199504	0.7496545	0.9131249	20	0.95395436
ENSG00000115825	2	PRKD3	37477645	rs2430494	2	37463620	T	G	0.675944	0.0019721	0.0086299	0.819242	-0.240156	0.0337587	1.13E-12	-0.0082118	0.0359531	0.819334	0.7859738	20	0.96687326
ENSG00000162881	2	OXER1	42989642	rs12996087	2	42725198	A	G	0.751491	0.00303371	0.009032	0.736958	0.364967	0.0663342	3.76E-08	0.00831229	0.0247935	0.7374286	0.7667352	12	0.94972574
ENSG00000162882	2	HAAO	42994229	rs13006059	2	43022720	G	A	0.640159	0.00065291	0.00838324	0.937921	0.471088	0.0603205	5.73E-15	0.00138596	0.0177964	0.9379244	0.7905069	20	0.99132842
ENSG00000152527	2	PLEKHH2	43864412	rs61046487	2	43956667	A	G	0.224652	0.00028226	0.00960729	0.976562	-0.433129	0.075317	8.88E-09	-0.0006517	0.0221814	0.9765618	0.7900734	3	0.99453968
ENSG00000138036	2	DYNC2LI1	44001178	rs75684735	2	44001185	T	C	0.0248509	0.0194746	0.0291445	0.504001	-1.18219	0.194908	1.32E-09	-0.0164733	0.0248021	0.5065688	0.1621408	13	0.8783337
ENSG00000138095	2	LRPPRC	44113647	rs13384238	2	44155986	C	T	0.405567	-0.0074746	0.00817722	0.360679	0.35942	0.0376435	1.32E-21	-0.0207962	0.0228552	0.3628689	0.563711	20	0.8352928
ENSG00000236502	2	SIX3-AS1	45167293	rs1561227	2	45165389	T	C	0.539761	-0.0027216	0.00852956	0.749665	-0.429705	0.0563852	2.52E-14	0.00633369	0.0198672	0.7498769	0.2013894	15	0.95395436
ENSG00000225156	2	AC012354.6	45181803	rs62131236	2	45171546	T	C	0.215706	0.0205026	0.00933127	0.0280072	-0.470829	0.0609731	1.15E-14	-0.0435457	0.0206055	0.03457443	0.3266252	19	0.48743989
ENSG00000250565	2	ATP6V1E2	46717889	rs3754553	2	46769135	C	T	0.477137	-0.0072811	0.00805789	0.366206	-0.65754	0.074964	1.76E-18	0.0110733	0.0123195	0.3687342	0.3146283	15	0.8352928
ENSG00000151665	2	PIGF	46808076	rs58342271	2	46863343	C	A	0.0944334	-0.0095799	0.0175792	0.585782	0.424863	0.0750251	1.49E-08	-0.0225483	0.0415673	0.587507	0.935	6	0.90464455
ENSG00000119878	2	CRIPT	46843555	rs896212	2	46869721	A	G	0.312127	0.0025327	0.00909227	0.780586	0.518859	0.0702773	1.55E-13	0.00488129	0.0175361	0.7807381	0.8280448	20	0.96335446
ENSG00000180398	2	MCFD2	47129009	rs6716381	2	47148163	A	G	0.181909	-0.0184544	0.011842	0.119143	-0.620177	0.0506832	1.99E-34	0.0297567	0.0192488	0.122129	0.762474	20	0.67319221
ENSG00000119888	2	EPCAM	47572297	rs56368712	2	47599802	A	T	0.0765408	-0.0016539	0.0134386	0.902053	0.392352	0.0712967	3.73E-08	-0.0042153	0.0342599	0.9020777	0.5489769	3	0.98439248
ENSG00000170802	2	FOXN2	48541776	rs79073127	2	48573895	C	G	0.12326	-0.0080756	0.0148553	0.586703	0.53641	0.0475415	1.59E-29	-0.015055	0.0277261	0.587137	0.3365168	20	0.90450087
ENSG00000272663	2	RP11-191L17.1	48667182	rs55952008	2	48674015	C	G	0.175944	0.00240112	0.00966851	0.803868	-0.867669	0.10038	5.44E-18	-0.0027673	0.0111477	0.8039472	0.05049935	20	0.96471558
ENSG00000162869	2	PPP1R21	48667737	rs56226059	2	48679935	G	C	0.148111	0.00162232	0.0099524	0.870512	0.680547	0.0752567	1.52E-19	0.00238385	0.0146265	0.870533	0.03020441	20	0.97700295
ENSG00000243244	2	STON1	48756522	rs4953592	2	48776217	G	A	0.136183	-0.0044558	0.0100169	0.656446	0.796384	0.0794316	1.17E-23	-0.005595	0.0125904	0.656762	0.6747615	20	0.93264769
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.666997	0.0921031	4.43E-13	-0.0041327	0.0125361	0.7416564	0.1631407	4	0.9518943
ENSG00000233266	2	HMGB1P31	54278471	rs1363061	2	54284441	A	G	0.0964215	-0.0112796	0.0115539	0.328936	1.01354	0.154009	4.67E-11	-0.0111289	0.0115243	0.3341986	0.4488121	20	0.81834848
ENSG00000162994	2	CLHC1	55401927	rs17046778	2	55459373	G	T	0.159046	-0.0285992	0.014326	0.0458997	0.685863	0.0830502	1.48E-16	-0.0416981	0.0214892	0.05232794	0.3481681	20	0.54679043
ENSG00000162997	2	PRORSD1P	55509455	rs111606289	2	55509478	G	A	0.0377734	0.00354442	0.0285325	0.901138	1.2257	0.198737	6.94E-10	0.00289175	0.0232833	0.9011579	0.8844972	20	0.98439248
ENSG00000055813	2	CCDC85A	56411258	rs2869812	2	56625940	A	C	0.451292	-0.0063714	0.00805742	0.429093	-0.355065	0.0560111	2.31E-10	0.0179442	0.0228687	0.4326503	0.9706481	17	0.86609543
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.563238	0.0418489	2.73E-41	-0.0075855	0.0143786	0.5978059	0.02650313	20	0.90978933
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.775218	0.0632441	1.53E-34	0.0108037	0.0107345	0.3141999	0.2188289	20	0.80811918
ENSG00000270820	2	RP11-355B11.2	61698323	rs80119091	2	61091972	C	G	0.0109344	0.111436	0.0512205	0.0295835	1.67917	0.27427	9.22E-10	0.0663637	0.0323722	0.04036217	0.9656098	3	0.50809144
ENSG00000143951	2	WDPCP	63348518	rs2162012	2	63375738	C	T	0.429423	0.0142177	0.00826639	0.0854437	0.297514	0.0454579	5.96E-11	0.0477883	0.0287283	0.09622046	0.2640127	20	0.64834522
ENSG00000225889	2	AC074289.1	64370373	rs58136932	2	64459585	A	G	0.119284	0.0117723	0.0102784	0.252068	-0.839091	0.104266	8.44E-16	-0.0140298	0.0123729	0.2568293	0.0221804	10	0.77448751
ENSG00000115902	2	SLC1A4	65215611	rs6747398	2	65149875	T	G	0.409543	-0.0021816	0.00813967	0.788688	0.260309	0.0370797	2.21E-12	-0.0083807	0.031292	0.7888374	0.4214584	7	0.96351947
ENSG00000243667	2	WDR92	68350068	rs13027276	2	68453291	A	G	0.217694	-0.0101686	0.0106445	0.339429	-0.332577	0.0591903	1.92E-08	0.0305752	0.0324654	0.3463069	0.173602	4	0.82996866
ENSG00000115946	2	PNO1	68384976	rs2044693	2	68385097	G	A	0.622266	0.00010566	0.0087814	0.9904	0.294557	0.0525925	2.13E-08	0.0003587	0.0298123	0.9904001	0.4360891	5	0.9970457
ENSG00000124380	2	SNRNP27	70120692	rs3755391	2	70141519	T	C	0.245527	0.00031307	0.0096084	0.974007	-0.398147	0.0613031	8.32E-11	-0.0007863	0.0241331	0.9740074	0.3058036	18	0.99453968
ENSG00000163235	2	TGFA	70674412	rs3821264	2	70701076	C	T	0.49006	0.00484823	0.00805527	0.54726	0.21912	0.0401778	4.93E-08	0.0221259	0.0369851	0.5496807	0.2973501	10	0.89134276
ENSG00000144043	2	TEX261	71213068	rs7583998	2	71217538	A	G	0.22664	0.0121996	0.0111717	0.274831	0.265918	0.0433886	8.86E-10	0.0458773	0.0426735	0.2823402	0.8759266	5	0.79552497
ENSG00000163016	2	ALMS1P	73872046	rs62149804	2	73837006	A	T	0.166998	0.0120037	0.0115427	0.298366	0.64147	0.100532	1.76E-10	0.0187128	0.0182316	0.3047049	0.7985911	12	0.80523874
ENSG00000257800	2	FNBP1P1	74347807	rs1667619	2	74347576	T	G	0.390656	0.00300735	0.00840516	0.720493	0.829712	0.0732336	9.36E-30	0.00362457	0.0101353	0.7206279	0.8171353	15	0.94753093
ENSG00000217702	2	MGC10955	74361599	rs12619982	2	74356022	A	G	0.181909	-0.0040329	0.0108064	0.709005	1.3818	0.118057	1.21E-31	-0.0029186	0.0078245	0.7091461	0.841644	12	0.94504139
ENSG00000225439	2	BOLA3-AS1	74375136	rs828885	2	74373342	T	A	0.428429	-0.0058833	0.00805518	0.465165	-0.30666	0.0387292	2.41E-15	0.019185	0.026379	0.467053	0.3952292	16	0.87345602
ENSG00000115275	2	MOGS	74688184	rs11676323	2	74729481	C	T	0.154076	0.00647554	0.0115877	0.576279	0.481482	0.072656	3.43E-11	0.0134492	0.0241522	0.5776283	0.5331876	16	0.89957869
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.16799	0.0678352	1.94E-66	-0.0072644	0.00771102	0.3461512	0.3502999	20	0.82996866
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.99031	0.075855	5.93E-39	-0.0085678	0.00910458	0.3466843	0.3040037	20	0.82999599
ENSG00000115364	2	MRPL19	75873909	rs34081022	2	75902380	T	C	0.242545	-0.002606	0.00871732	0.764983	-0.746111	0.0684159	1.08E-27	0.00349275	0.0116881	0.7650693	0.1577971	19	0.95964323
ENSG00000005436	2	GCFC2	75879126	rs8179594	2	76010087	T	C	0.129225	-0.0054975	0.0120359	0.647846	0.420255	0.0764485	3.86E-08	-0.0130813	0.0287382	0.6489743	0.1605846	13	0.92722972
ENSG00000270996	2	RP11-342K6.4	75946246	rs2422236	2	75946282	G	A	0.357853	-0.0162985	0.00835776	0.0511646	0.48648	0.0828195	4.25E-09	-0.0335029	0.0181021	0.06420188	0.8801752	9	0.5674036
ENSG00000042445	2	RETSAT	85569211	rs908302	2	85573033	A	G	0.621272	-0.0134045	0.00823789	0.103701	0.334985	0.0494749	1.28E-11	-0.0400152	0.025292	0.11362	0.4256908	13	0.66853336
ENSG00000042493	2	CAPG	85621871	rs3770102	2	85637837	T	G	0.399602	0.0160466	0.00817506	0.0496615	0.351828	0.0559611	3.24E-10	0.0456092	0.0243421	0.06097502	0.7014215	12	0.5583788
ENSG00000115486	2	GGCX	85771846	rs11891260	2	85796101	C	G	0.479125	-0.0039629	0.00810215	0.624761	0.440983	0.064927	1.11E-11	-0.0089865	0.0184205	0.6256561	0.7311532	17	0.91838156
ENSG00000115523	2	GNLY	85912298	rs10187314	2	85928550	T	C	0.407555	0.00444994	0.00827112	0.590571	-0.636854	0.0849577	6.57E-14	-0.0069874	0.0130209	0.5915239	0.1539735	16	0.90646236
ENSG00000232504	2	AC105053.4	86116403	rs10193207	2	86148796	G	A	0.332008	-0.0133392	0.00845534	0.114657	-0.581029	0.0977876	2.82E-09	0.0229579	0.0150566	0.127315	0.4055855	5	0.68340351
ENSG00000272564	2	RP11-548P2.2	86131402	rs2679718	2	86130555	T	C	0.593439	0.0148546	0.00817074	0.0690605	0.472427	0.076652	7.13E-10	0.0314432	0.018032	0.0812039	0.1614544	9	0.61025256
ENSG00000068654	2	POLR1A	86247339	rs7558040	2	86363855	C	G	0.910537	0.00684961	0.0140715	0.626419	0.70261	0.103879	1.34E-11	0.00974881	0.0200793	0.6273103	0.7171517	16	0.91838156
ENSG00000132305	2	IMMT	86371055	rs12475126	2	86421332	A	G	0.477137	0.0131637	0.0080533	0.10214	-0.302483	0.0459486	4.61E-11	-0.0435188	0.0274324	0.1126484	0.628792	20	0.6675067
ENSG00000273080	2	RP11-301O19.1	86422713	rs6547663	2	86406438	G	A	0.478131	0.0131637	0.0080533	0.10214	0.960535	0.089523	7.40E-27	0.0137046	0.00848092	0.1061099	0.05914368	20	0.65763337
ENSG00000068615	2	REEP1	86441116	rs1863059	2	86509388	G	T	0.496024	-0.0156748	0.00811429	0.05339	-0.154517	0.0247797	4.50E-10	0.101444	0.0549761	0.0650033	0.1711528	7	0.56817056
ENSG00000115561	2	CHMP3	86730554	rs1003207	2	86815355	T	A	0.139165	0.0602207	0.0135916	9.39E-06	0.284599	0.0405405	2.22E-12	0.211598	0.0564735	0.00017906	0.3207544	9	0.14181164
ENSG00000183281	2	PLGLB1	87229682	rs181970253	2	87130278	G	C	0.0596421	0.051602	0.0202532	0.010839	-1.35569	0.145114	9.43E-21	-0.0380633	0.015485	0.01396857	0.038117	20	0.3522782
ENSG00000231259	2	AC125232.1	87257800	rs10205992	2	87279109	T	C	0.516899	0.00100886	0.00829855	0.903239	-0.898929	0.0828904	2.11E-27	-0.0011223	0.00923218	0.9032451	0.01069314	20	0.98439248
ENSG00000234231	2	AC093616.4	88000503	rs10201592	2	87997844	A	G	0.194831	0.00316723	0.0100963	0.753748	-0.62833	0.107054	4.38E-09	-0.0050407	0.0160914	0.754087	0.1881885	4	0.95746217
ENSG00000163586	2	FABP1	88422510	rs2970901	2	88428834	T	G	0.474155	0.0110355	0.00834403	0.185981	-0.884666	0.0827436	1.11E-26	-0.0124742	0.00950373	0.1893319	0.6824767	9	0.73499176
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.13883	0.0820542	8.49E-44	0.00338884	0.00762184	0.6565931	0.8484622	20	0.93264769
ENSG00000143429	2	AC027612.6	91805186	rs144087595	2	92183872	G	T	0.0934394	0.017796	0.0192353	0.354875	-0.918994	0.139082	3.91E-11	-0.0193647	0.021135	0.359543	0.4786327	5	0.83476283
ENSG00000223564	2	CYP4F32P	95425004	rs1809636	2	95421697	G	C	0.406561	-0.0262031	0.00857997	0.00225819	0.790446	0.0569338	7.96E-44	-0.0331498	0.0111141	0.0028574	0.6751688	20	0.2524555
ENSG00000232502	2	AC073464.7	95426519	rs10191151	2	95541842	G	C	0.336978	-0.0236017	0.00884313	0.00760922	0.507731	0.0633092	1.06E-15	-0.0464847	0.0183561	0.01132904	0.7886535	20	0.33066636
ENSG00000229089	2	ANKRD20A8P	95476791	rs13396622	2	95556107	T	A	0.322068	-0.0236702	0.00877758	0.00700358	0.559955	0.0700292	1.29E-15	-0.0422716	0.016543	0.01061077	0.6049564	20	0.3241739
ENSG00000144026	2	ZNF514	95813075	rs11686534	2	95901265	G	A	0.579523	0.0182456	0.00832085	0.028325	0.569703	0.0888431	1.43E-10	0.0320265	0.0154359	0.03800465	0.1202859	12	0.49915936
ENSG00000163121	2	NEURL3	97163383	rs61008119	2	97132514	A	G	0.275348	-0.0132711	0.00819283	0.105265	0.566603	0.0860206	4.49E-11	-0.0234222	0.0148904	0.1157242	0.5740304	20	0.66853336
ENSG00000230606	2	AC159540.1	98081083	rs35904593	2	98196859	G	T	0.641153	-0.0024288	0.00918909	0.79154	-0.337672	0.0599868	1.81E-08	0.00719269	0.027243	0.7917651	0.5120655	12	0.96351947
ENSG00000196912	2	ANKRD36B	98108978	rs3866776	2	98206429	A	G	0.764414	0.00611933	0.0101681	0.547298	-0.509938	0.0871505	4.88E-09	-0.0120001	0.0200451	0.5494008	0.5519851	6	0.89134276
ENSG00000228970	2	UBTFL6	98253060	rs11680855	2	98317685	A	G	0.634195	-0.0051807	0.00895103	0.562736	0.587264	0.100227	4.65E-09	-0.0088218	0.0153161	0.5646292	0.6038174	6	0.89445177
ENSG00000115085	2	ZAP70	98330023	rs13003963	2	98287483	C	T	0.649105	-0.0024597	0.00922408	0.789732	-0.444969	0.0671008	3.33E-11	0.00552776	0.0207465	0.7898979	0.5071422	11	0.96351947
ENSG00000135951	2	TSGA10	99613724	rs1563107	2	99701276	A	G	0.284294	-0.0039021	0.00928754	0.674384	-0.379765	0.0551003	5.49E-12	0.010275	0.0245014	0.6749517	0.6988258	17	0.9349225
ENSG00000144182	2	LIPT1	99771418	rs13023479	2	99793041	A	G	0.647117	0.00230508	0.00817744	0.778033	0.563972	0.0661029	1.44E-17	0.00408722	0.0145076	0.7781512	0.8372853	20	0.96329762
ENSG00000158411	2	MITD1	99777890	rs13030961	2	99799520	G	C	0.632207	0.00060059	0.00815143	0.941266	-0.322651	0.0577496	2.31E-08	-0.0018614	0.0252661	0.9412707	0.6845997	7	0.99244418
ENSG00000144218	2	AFF3	100162323	rs13032879	2	100602759	T	C	0.16998	-0.0012105	0.00990061	0.902689	0.372012	0.0533625	3.14E-12	-0.0032539	0.0266178	0.9027039	0.306979	7	0.98439248
ENSG00000115526	2	CHST10	101008327	rs1437969	2	100983482	C	A	0.516899	0.00947612	0.00806274	0.239876	0.261777	0.0404593	9.79E-11	0.0361992	0.0313041	0.2475281	0.8151772	6	0.76959804
ENSG00000163162	2	RNF149	101887681	rs12612035	2	101897295	G	A	0.434394	0.00347663	0.00806723	0.6665	0.378036	0.0584987	1.03E-10	0.00919656	0.0213872	0.6671942	0.7057763	8	0.93322639
ENSG00000212283	2	SNORD89	101889398	rs750783	2	101889306	G	A	0.436382	0.00338134	0.00806705	0.675103	0.749103	0.10423	6.62E-13	0.00451385	0.0107872	0.6756229	0.5480411	7	0.93518298
ENSG00000115598	2	IL1RL2	102803433	rs6743219	2	102831711	C	T	0.599404	0.00675889	0.00830355	0.415659	-0.379779	0.0678548	2.18E-08	-0.0177969	0.0220942	0.42053	0.6181458	5	0.86297085
ENSG00000115602	2	IL1RL1	102927962	rs1558619	2	102931550	T	G	0.493042	0.0125135	0.00803017	0.11916	-0.637939	0.0536615	1.36E-32	-0.0196155	0.0126954	0.1223237	0.478403	20	0.67319221
ENSG00000115604	2	IL18R1	102927989	rs1558619	2	102931550	T	G	0.493042	0.0125135	0.00803017	0.11916	-0.691937	0.0500669	1.92E-43	-0.0180847	0.0116789	0.1215024	0.5446603	20	0.67319221
ENSG00000234177	2	AC068057.2	105363096	rs404600	2	105403749	T	G	0.50497	0.00732349	0.00806589	0.3639	-0.451895	0.0600292	5.16E-14	-0.0162062	0.0179784	0.3673623	0.4527745	6	0.8352928
ENSG00000135972	2	MRPS9	105654441	rs73945035	2	105699443	C	T	0.224652	0.00752197	0.0108197	0.486923	-0.430651	0.068232	2.76E-10	-0.0174665	0.025276	0.4895459	0.1292465	7	0.87805165
ENSG00000119147	2	C2orf40	106679702	rs13014521	2	106687456	C	G	0.126243	0.0138457	0.0103529	0.181101	-0.858811	0.0995417	6.26E-18	-0.0161219	0.0121989	0.1863045	0.05211196	15	0.73288738
ENSG00000232001	2	AC108868.6	107159470	rs12991961	2	107138388	A	G	0.161034	0.0346981	0.0113092	0.00215407	0.748643	0.122994	1.15E-09	0.046348	0.0169168	0.00614849	0.05294657	8	0.28309029
ENSG00000229360	2	PPP1R2P5	107557336	rs1524294	2	107612295	A	G	0.471173	0.0126647	0.00811563	0.118635	0.801925	0.0848861	3.48E-21	0.0157929	0.0102573	0.1236415	0.4219295	20	0.67589308
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.1864	0.108369	6.81E-28	0.00121233	0.00832096	0.8841613	0.1861147	14	0.97910681
ENSG00000198075	2	SULT1C4	108994367	rs145991542	2	109385605	G	A	0.0149105	0.00160523	0.0300192	0.957355	-1.12854	0.167928	1.81E-11	-0.0014224	0.0266009	0.957356	0.6096641	9	0.99428844
ENSG00000175701	2	LINC00116	110969106	rs11965102	2	110985230	G	A	0.0427435	0.0113205	0.0183398	0.537059	-0.567367	0.0885321	1.47E-10	-0.0199527	0.032474	0.5389374	0.5608139	5	0.88747737
ENSG00000175772	2	AC112229.7	111132715	rs7609252	2	111419426	G	A	0.0218688	0.00647029	0.0257781	0.801814	-0.722453	0.117147	6.96E-10	-0.008956	0.0357109	0.801975	0.6791047	5	0.96471558
ENSG00000153208	2	MERTK	112656056	rs72825650	2	112763148	A	G	0.0328032	-0.0237541	0.0309104	0.442201	1.44801	0.202397	8.41E-13	-0.0164047	0.0214696	0.4448154	0.9460013	3	0.86824012
ENSG00000169629	2	RGPD8	113127669	rs13021601	2	113191010	C	A	0.156064	-0.000426	0.0109126	0.968862	-1.12067	0.102136	5.19E-28	0.00038011	0.00973763	0.9688625	0.5228133	20	0.99428844
ENSG00000125630	2	POLR1B	113299492	rs13413001	2	113315803	C	A	0.083499	-0.0003849	0.0146081	0.978978	1.2395	0.126515	1.16E-22	-0.0003106	0.0117855	0.9789777	0.8845151	14	0.99456097
ENSG00000243389	2	AC012442.5	113346617	rs3980073	2	113371839	G	C	0.16501	0.0161491	0.0120371	0.179723	0.711405	0.109622	8.60E-11	0.0227003	0.017278	0.1889037	0.8375605	6	0.73499176
ENSG00000237753	2	AC079922.3	113399409	rs10177499	2	113397268	C	G	0.829026	-0.0143761	0.0119193	0.227771	-1.06808	0.0942771	9.41E-30	0.0134598	0.0112226	0.230395	0.9313736	20	0.76373142
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-1.03578	0.0975139	2.36E-26	0.00850331	0.0079333	0.2837872	0.5314277	20	0.79552497
ENSG00000125618	2	PAX8	113973574	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.88387	0.0982844	2.41E-19	0.00996477	0.00931547	0.2847539	0.3812804	20	0.79552497
ENSG00000136682	2	CBWD2	114195268	rs10170810	2	114230378	G	T	0.161034	-0.0091267	0.00977367	0.350407	-0.539178	0.0642164	4.61E-17	0.016927	0.0182387	0.3533673	0.8090357	6	0.83394496
ENSG00000184492	2	FOXD4L1	114256661	rs10170810	2	114230378	G	T	0.161034	-0.0091267	0.00977367	0.350407	-0.827686	0.08915	1.63E-20	0.0110267	0.011868	0.3528311	0.5185406	11	0.83394496
ENSG00000231943	2	RP11-395L14.4	114285145	rs144468477	2	114366384	T	A	0.345924	0.0147856	0.0091274	0.105251	0.705614	0.0851905	1.20E-16	0.0209542	0.0131805	0.1118812	0.6110942	20	0.66540911
ENSG00000225398	2	RP11-395L14.5	114299514	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.937799	0.0778162	1.91E-33	0.0128983	0.00960276	0.1792119	0.2711695	20	0.72148239
ENSG00000226516	2	FAM138B	114334959	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.733288	0.0805674	8.91E-20	0.0164956	0.0123383	0.1812406	0.2676528	20	0.72518424
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.808482	0.0660584	1.93E-34	-0.0153521	0.0111383	0.168107	0.2882766	20	0.72148239
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.965671	0.0703836	7.70E-43	0.012526	0.00931235	0.1785944	0.2418094	20	0.72148239
ENSG00000240356	2	RPL23AP7	114368079	rs1667103	2	114380967	T	C	0.294235	0.0087771	0.00870705	0.313433	-0.917983	0.0810545	9.81E-30	-0.0095613	0.00952248	0.3153421	0.01139044	20	0.80899879
ENSG00000144134	2	RABL2A	114384806	rs201661658	2	114393692	C	A	0.139165	0.0158818	0.0103605	0.125297	-0.283568	0.0494056	9.49E-09	-0.056007	0.0378168	0.1386046	0.1699593	5	0.7003067
ENSG00000228857	2	AC104653.1	114588626	rs62171761	2	114595287	A	G	0.631213	0.0103211	0.00842129	0.22035	0.708202	0.0693144	1.66E-24	0.0145737	0.0119763	0.2236527	0.169392	20	0.75840867

ENSG00000236255	2	AC009404.2	118591513	rs67260381	2	118519547	A	G	0.15507	-0.004773	0.0119476	0.689533	-0.579805	0.0955124	1.28E-09	0.00823199	0.0206508	0.6901673	0.02924917	9	0.94094425
ENSG00000125633	2	CCDC93	118673054	rs7582655	2	118727358	A	G	0.350895	0.0159955	0.0093462	0.0870001	0.310063	0.0549293	1.65E-08	0.0515879	0.0314979	0.1014591	0.05612416	12	0.64961631
ENSG00000115107	2	STEAP3	119981384	rs11692352	2	120029999	A	G	0.610338	-0.0053999	0.00817378	0.508846	-0.305286	0.0527209	7.01E-09	0.017688	0.0269479	0.5115811	0.1422102	12	0.87845447
ENSG00000260163	2	RP11-521O16.2	127782787	rs6716349	2	127791281	A	G	0.137177	-0.0098788	0.01244	0.427131	-0.458262	0.0737133	5.07E-10	0.021557	0.0273666	0.4308655	0.6052106	4	0.86609543
ENSG00000163161	2	ERCC3	128014866	rs7567389	2	127982645	T	A	0.693837	-0.0002669	0.00893436	0.976168	0.366478	0.0518936	1.64E-12	-0.0007283	0.0243792	0.9761678	0.4828607	20	0.99453968
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.25462	0.0774907	5.88E-59	-0.0088245	0.00726441	0.2244584	0.977581	20	0.75840867
ENSG00000115718	2	PROC	128176003	rs973760	2	128180221	G	A	0.743539	0.0101955	0.00896639	0.255504	-0.517632	0.0888069	5.58E-09	-0.0196964	0.0176485	0.2644044	0.6380005	3	0.78131464
ENSG00000144231	2	POLR2D	128603840	rs34616919	2	128600514	G	A	0.512922	-0.0049803	0.0080731	0.537304	-0.433987	0.0674752	1.26E-10	0.0114756	0.0186875	0.5391649	0.3770566	14	0.88747737
ENSG00000214100	2	AC079776.2	130680435	rs1882608	2	130695820	A	C	0.694831	-0.008326	0.00822806	0.311582	0.485281	0.0645519	5.58E-14	-0.0171572	0.0171082	0.3159266	0.03513566	9	0.80921855
ENSG00000225449	2	AC079776.7	130724165	rs1882608	2	130695820	A	C	0.694831	-0.008326	0.00822806	0.311582	0.977662	0.0774652	1.62E-36	-0.0085163	0.00844307	0.3131324	0.1119831	20	0.80664288
ENSG00000222014	2	RAB6C	130737235	rs11674996	2	130739891	A	T	0.692843	-0.0153721	0.00827086	0.0630856	0.812291	0.0700269	4.14E-31	-0.0189244	0.010312	0.06647936	0.4664629	20	0.57340641
ENSG00000236595	2	MED15P5	131009141	rs11679332	2	131016207	C	T	0.440358	-0.0170983	0.00810044	0.0347912	0.6221	0.0945689	4.76E-11	-0.0274848	0.013675	0.0444466	0.5818979	15	0.52029162
ENSG00000240253	2	AC140481.7	131447706	rs147881141	2	131214153	C	A	0.127237	0.00031944	0.0182695	0.98605	-0.884421	0.146405	1.53E-09	-0.0003612	0.0206571	0.9860499	0.3421006	10	0.99624056
ENSG00000224425	2	AC073869.2	132109787	rs6430749	2	132113928	T	G	0.885686	-0.012217	0.011678	0.295488	0.559492	0.100386	2.50E-08	-0.0218359	0.021237	0.3038564	0.746665	12	0.80442017
ENSG00000273073	2	RP11-109E12.1	132219394	rs6714329	2	132234784	A	G	0.0924453	0.0255262	0.0172175	0.138187	1.02854	0.152252	1.42E-11	0.0248179	0.0171381	0.1475862	0.2664115	20	0.70919091
ENSG00000173272	2	MZT2A	132222473	rs6430825	2	132244046	C	T	0.0924453	0.0256285	0.0171855	0.135887	-0.737923	0.0793514	1.41E-20	-0.0347306	0.0235866	0.1408932	0.8754781	17	0.70248585
ENSG00000152117	2	AC093838.4	132250386	rs374293949	2	132260297	A	G	0.194831	-0.0095517	0.00918408	0.298327	-1.0048	0.06933	1.34E-47	0.00950607	0.00916371	0.2995679	0.9997609	20	0.80291535
ENSG00000235615	2	AJ239322.1	132722304	rs62161111	2	132795612	A	G	0.369781	0.0140176	0.00874625	0.109001	0.664927	0.0803014	1.23E-16	0.0210814	0.0133978	0.1156042	0.6516788	10	0.66853336
ENSG00000236485	2	RP1-156L9.1	132741510	rs4125665	2	132790493	G	C	0.713718	0.0151666	0.00852791	0.0753269	0.885656	0.0823956	6.00E-27	0.0171247	0.00975983	0.07932581	0.5125595	9	0.60868991
ENSG00000227745	2	AC098826.5	132890429	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.04154	0.127375	2.91E-16	0.00817252	0.0197781	0.6794528	0.8367069	20	0.93712252
ENSG00000163046	2	ANKRD30BL	132905164	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.32944	0.126798	1.02E-25	0.0064027	0.0154873	0.6793012	0.7706542	20	0.93712252
ENSG00000231890	2	AC093391.2	136742746	rs309118	2	136746224	C	G	0.223658	-0.0226791	0.0111757	0.0424258	-0.599442	0.103645	7.31E-09	0.0378337	0.0197578	0.05550897	0.5914171	4	0.54821397
ENSG00000080345	2	RIF1	152266397	rs4500942	2	152334580	G	A	0.350895	0.0104377	0.00838331	0.213112	-0.354778	0.0445366	1.64E-15	-0.0294204	0.0239166	0.2186512	0.4230796	15	0.75797537
ENSG00000196151	2	WDSUB1	160092304	rs714156	2	160141068	C	T	0.342942	0.0129889	0.00821119	0.113683	-0.623771	0.0676024	2.78E-20	-0.0208232	0.0133558	0.1189708	0.8593301	14	0.66978378
ENSG00000054219	2	LY75	160628362	rs72957586	2	160762687	A	G	0.537773	0.0071658	0.00829354	0.387576	0.419944	0.0538637	6.37E-15	0.0170637	0.0198701	0.3904705	0.00295991	20	0.8477398
ENSG00000115339	2	GALNT3	166604101	rs2390305	2	166709068	G	A	0.385686	-0.0141235	0.00823786	0.086445	0.402042	0.060764	3.68E-11	-0.0351294	0.0211668	0.09698494	0.7710254	7	0.64834522
ENSG00000138399	2	FASTKD1	170386259	rs16857042	2	170419108	G	A	0.0675944	-0.0082885	0.0138657	0.549993	1.10574	0.123242	2.91E-19	-0.0074959	0.0125675	0.5508752	0.2597281	20	0.89134276
ENSG00000154479	2	CCDC173	170501935	rs62621446	2	170550963	A	G	0.134195	0.00475732	0.0111756	0.670335	-0.577543	0.0945354	1.00E-09	-0.0082372	0.0193972	0.6710857	0.4201474	9	0.93322639
ENSG00000144362	2	PHOSPHO2	170550975	rs13009840	2	170569672	A	C	0.28827	-0.0348078	0.00956279	0.00027272	-0.543705	0.0850212	1.61E-10	0.0640196	0.0202377	0.00155946	0.8796093	20	0.20391512
ENSG00000071967	2	CYBRD1	172378757	rs62181682	2	172426871	C	T	0.467197	0.00640733	0.00810836	0.429404	-0.315525	0.039922	2.71E-15	-0.0203069	0.0258261	0.4316961	0.7187031	20	0.86609543
ENSG00000115840	2	SLC25A12	172640880	rs13017585	2	172721808	A	C	0.260437	0.0218417	0.0102878	0.0337489	0.191963	0.0344716	2.57E-08	0.113781	0.0573554	0.04727974	0.5840522	9	0.52621691
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs767072	2	173592148	A	G	0.696819	-0.0076858	0.00827968	0.353268	-0.358967	0.0522942	6.68E-12	0.0214108	0.0232752	0.3576271	0.1430375	10	0.83410235
ENSG00000236449	2	AC018890.6	175411869	rs2646144	2	175594623	G	C	0.512922	-0.0098033	0.00816673	0.229986	0.539235	0.0664065	4.65E-16	-0.01818	0.0153096	0.2350345	0.4832287	8	0.76664992
ENSG00000115935	2	WIPF1	175424300	rs6748959	2	175424127	T	C	0.525845	0.0142422	0.00817868	0.081615	-0.3535	0.0399967	9.72E-19	-0.0402891	0.0235811	0.08753725	0.6640565	12	0.62733262
ENSG00000144320	2	KIAA1715	176788620	rs847175	2	176921784	C	T	0.488072	0.0108643	0.00827127	0.189016	0.390971	0.0546521	8.44E-13	0.027788	0.0215094	0.1963909	0.2230179	11	0.74217028
ENSG00000079156	2	OSBPL6	179059208	rs333992	2	179144980	G	A	0.352883	0.00312857	0.00854354	0.714222	0.450815	0.0543966	1.16E-16	0.00693981	0.0189698	0.7144887	0.4753043	20	0.94680929
ENSG00000115252	2	PDE1A	183004763	rs7607891	2	183427391	A	G	0.758449	0.0119926	0.0113948	0.292588	-0.890912	0.0698317	2.81E-37	-0.013461	0.0128335	0.2942244	0.9788317	20	0.80291535
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.13408	0.0847641	8.00E-41	0.0101831	0.00727196	0.1614182	0.2974799	20	0.71666927
ENSG00000259915	2	RP11-410E4.1	187219299	rs10432501	2	187257837	C	T	0.301193	0.00961037	0.00827642	0.245571	0.729325	0.0852703	1.20E-17	0.0131771	0.0114522	0.2498888	0.3009644	20	0.76959804
ENSG00000138448	2	ITGAV	187454792	rs13001360	2	187391701	T	C	0.359841	-0.0029693	0.00864388	0.731213	-0.363686	0.0563518	1.09E-10	0.00816441	0.0238011	0.7315783	0.1017608	14	0.94884724
ENSG00000115368	2	WDR75	190306159	rs79950063	2	190343049	A	T	0.0387674	0.00429396	0.0202065	0.831714	-0.700362	0.124857	2.03E-08	-0.0061311	0.0288722	0.8318328	0.375158	3	0.96886511
ENSG00000138381	2	ASNSD1	190526111	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	0.670885	0.0602912	9.23E-29	0.0302319	0.0133871	0.02392754	0.02046475	20	0.41828411
ENSG00000253559	2	OSGEPL1-AS1	190627430	rs7603192	2	190581557	A	C	0.269384	-0.0191254	0.0087743	0.0292793	-0.620532	0.112413	3.39E-08	0.030821	0.0152024	0.04262402	0.2987269	3	0.51895932
ENSG00000273240	2	RP11-455J20.3	190628585	rs1234834	2	190676895	C	T	0.270378	-0.0191581	0.00877951	0.0290998	-0.70713	0.0912957	9.52E-15	0.0270928	0.012899	0.03569597	0.03845887	20	0.49915936
ENSG00000128699	2	ORMDL1	190635049	rs2033746	2	190599452	A	G	0.729622	0.0193156	0.00877347	0.0276943	-0.571115	0.069826	2.86E-16	-0.0338209	0.0159088	0.03350967	0.05143892	19	0.48476334
ENSG00000198130	2	HIBCH	191054461	rs2582746	2	191163784	C	T	0.597416	-0.009783	0.0082717	0.236925	0.441485	0.0433784	2.50E-24	-0.0221593	0.0188622	0.2400741	0.02850253	20	0.76866335
ENSG00000151689	2	INPP1	191208196	rs2067402	2	191224752	G	T	0.232604	-0.0060702	0.0113692	0.593399	0.419393	0.0559226	6.40E-14	-0.0144738	0.0271773	0.5943331	0.000377	18	0.90773916
ENSG00000151690	2	MFSD6	191273081	rs4853700	2	191264390	C	T	0.493042	-0.0039332	0.00813044	0.628559	-0.213998	0.0316734	1.41E-11	0.0183794	0.0380903	0.629436	0.1363462	20	0.91919508
ENSG00000118997	2	DNAH7	196602427	rs10931722	2	196997203	C	T	0.611332	0.0159443	0.0082568	0.0534774	-0.427864	0.0516501	1.19E-16	-0.0372649	0.0198151	0.06002226	0.1635371	20	0.55445831
ENSG00000213938	2	SEPHS1P6	200524274	rs11687699	2	200626678	A	G	0.66004	0.00644104	0.00947927	0.496829	0.438649	0.060041	2.76E-13	0.0146838	0.0217034	0.4986807	0.1185447	20	0.87805165
ENSG00000226124	2	FTCDNL1	200625267	rs13008446	2	200628500	A	G	0.66004	0.00646253	0.00948012	0.495433	-0.864162	0.0771178	3.82E-29	-0.0074784	0.0109906	0.4962291	0.00889031	20	0.87805165
ENSG00000162971	2	TYW5	200794698	rs6414157	2	200872942	T	C	0.671968	-0.0282808	0.008467	0.00083743	0.574104	0.0698206	1.99E-16	-0.0492608	0.0159186	0.00197113	0.01025697	20	0.22608657
ENSG00000240344	2	PPIL3	201735630	rs7606251	2	201736734	C	T	0.241551	0.00633892	0.00948388	0.503886	-1.12098	0.0847723	6.43E-40	-0.0056548	0.00847115	0.5044294	0.6953022	20	0.8783337
ENSG00000155749	2	ALS2CR12	202152994	rs9288316	2	202163483	A	G	0.614314	-0.0002332	0.00827033	0.977502	-0.474304	0.0470942	7.39E-24	0.00049172	0.0174368	0.9775026	0.3413757	20	0.99453968
ENSG00000155755	2	TMEM237	202484907	rs56321285	2	202505545	A	G	0.335984	-0.0016913	0.00877563	0.847174	0.336997	0.0464768	4.14E-13	-0.0050187	0.0260499	0.847227	0.3789209	5	0.97278648
ENSG00000114933	2	INO80D	206858445	rs13394168	2	207046803	A	G	0.481113	-1.81E-05	0.00806943	0.998207	0.274398	0.049276	2.57E-08	-6.61E-05	0.0294078	0.9982075	0.414303	12	0.99886311
ENSG00000023228	2	NDUFS1	206979541	rs7558619	2	206993437	A	T	0.477137	-0.0009631	0.00806414	0.904934	-0.290915	0.0360593	7.16E-16	0.0033106	0.027723	0.9049447	0.3688286	14	0.98439248
ENSG00000138400	2	MDH1B	207602487	rs3828294	2	207629904	A	G	0.259443	0.00646004	0.00857921	0.451458	0.366642	0.0520644	1.89E-12	0.0176195	0.0235328	0.4540261	0.500225	11	0.86824012
ENSG00000168582	2	CRYGA	209025464	rs6721025	2	209030572	G	A	0.691849	0.00356912	0.00824949	0.66527	0.567983	0.0830151	7.81E-12	0.00628385	0.0145532	0.6658977	0.841291	7	0.93322639
ENSG00000188674	2	C2orf80	209030067	rs62194829	2	209032161	A	G	0.298211	0.00042298	0.00845878	0.960119	0.188663	0.0271135	3.45E-12	0.00224198	0.0448366	0.9601196	0.4813673	9	0.99428844
ENSG00000138363	2	ATIC	216176540	rs11682496	2	216212614	C	T	0.164016	0.00789561	0.0111732	0.47978	0.457726	0.0765606	2.25E-09	0.0172496	0.0245802	0.482822	0.7105625	4	0.87638737
ENSG00000079246	2	XRCC5	216972187	rs72956701	2	217109599	A	G	0.0407555	0.00047511	0.0200359	0.981082	-0.739235	0.101055	2.57E-13	-0.0006427	0.0271037	0.9810819	0.9412469	5	0.99524087
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	1.1309	0.105977	1.39E-26	-0.0064454	0.0178296	0.717727	0.9954892	13	0.94753093
ENSG00000229352	2	AC007563.3	217664331	rs1548945	2	217665788	C	T	0.585487	-0.0191642	0.00824197	0.0200618	-0.589472	0.08905	3.60E-11	0.0325108	0.0148195	0.02825037	0.08262726	7	0.45492837
ENSG00000261338	2	RP11-378A13.1	219120042	rs10932766	2	219122090	A	G	0.587475	-0.0027277	0.00858539	0.750706	0.76992	0.0522846	4.42E-49	-0.0035428	0.0111536	0.7507623	0.2259308	20	0.95458653
ENSG00000127838	2	PNKD	219135115	rs1870123	2	219187698	A	G	0.659046	0.0056069	0.00907646	0.536746	-0.256501	0.0380595	1.59E-11	-0.0218592	0.035534	0.5384477	0.1722416	9	0.88747737
ENSG00000054356	2	PTPRN	220154345	rs7600417	2	220169492	G	A	0.149105	-0.0041671	0.0184968	0.821758	0.216364	0.0390674	3.06E-08	-0.0192595	0.08556	0.821902	0.04926551	14	0.96751805
ENSG00000182698	2	RESP18	220192131	rs2891762	2	220205797	G	T	0.719682	-0.0104725	0.0108135	0.33281	0.910334	0.0642726	1.54E-45	-0.011504	0.0119063	0.3339395	0.4705159	20	0.81834848
ENSG00000261428	2	RP11-16P6.1	223431624	rs10170846	2	223517705	G	C	0.742545	0.00689174	0.00885041	0.436161	0.726833	0.0787138	2.61E-20	0.00948188	0.0122199	0.4377859	0.7275638	9	0.86824012
ENSG00000168958	2	MFF	228189867	rs73090123	2	228226541	C	T	0.147117	-0.0085458	0.0114718	0.456312	-0.433711	0.068002	1.80E-10	0.0197038	0.0266301	0.4593568	0.2397716	14	0.87171059
ENSG00000187957	2	DNER	230222345	rs6436887	2	230589014	A	G	0.137177	0.00395845	0.0112352	0.724594	-0.38038	0.069767	4.98E-08	-0.0104066	0.0295984	0.725144	0.9772487	6	0.94753093
ENSG00000135898	2	GPR55	231772033	rs59659158	2	231752307	G	C	0.0934394	-0.0016807	0.0111661	0.880356	-0.512664	0.0675747	3.28E-14	0.00327837	0.0217848	0.8803792	0.3859236	13	0.97794714
ENSG00000173699	2	SPATA3	231860836	rs925398	2	231876291	T	C	0.324056	0.0123666	0.00828444	0.135504	-0.618442	0.0726703	1.74E-17	-0.0199964	0.0136002	0.1414797	0.7897537	6	0.70248585
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-0.769947	0.117169	4.99E-11	-0.0166419	0.012071	0.1679957	0.03609524	6	0.72148239
ENSG00000182600	2	C2orf82	233721980	rs812383	2	233737132	A	C	0.626243	-0.014024	0.00882846	0.112174	0.780802	0.0627595	1.56E-35	-0.017961	0.0113987	0.1150933	0.06225033	20	0.66853336
ENSG00000085982	2	USP40	234384166	rs62195091	2	234361802	T	G	0.150099	-0.0118187	0.0127283	0.353125	0.32862	0.0448762	2.43E-13	-0.0359646	0.0390427	0.3569662	0.3058382	15	0.83410235
ENSG00000184182	2	UBE2F	238875469	rs61527486	2	238874807	G	C	0.412525	0.00663199	0.00812643	0.414442	0.2334	0.0404844	8.16E-09	0.0284147	0.0351647	0.4190644	0.5983494	10	0.86158586
ENSG00000132330	2	SCLY	238969530	rs2264132	2	238994676	C	T	0.798211	-0.0028597	0.0106194	0.787708	-0.473581	0.0759333	4.47E-10	0.00603846	0.0224445	0.7878993	0.7531513	16	0.96351947
ENSG00000144488	2	ESPNL	239008798	rs12471185	2	239035937	A	G	0.405567	0.0071965	0.00830035	0.385936	0.84604	0.0873876	3.61E-22	0.0085061	0.00985009	0.387832	0.3930187	19	0.84743529
ENSG00000144485	2	HES6	239146908	rs55822169	2	239129267	T	C	0.328032	-0.0098345	0.00873742	0.26035	0.4411	0.0612553	5.98E-13	-0.0222954	0.0200488	0.2661126	0.9908323	11	0.78131464
ENSG00000130414	2	NDUFA10	240831867	rs1465880	2	240932326	A	G	0.353877	0.00527486	0.00811402	0.515633	0.343276	0.0495289	4.18E-12	0.0153662	0.0237408	0.5174695	0.7588898	14	0.88027463
ENSG00000122085	2	MTERFD2	242011584	rs7599243	2	242065306	A	G	0.158052	0.0052224	0.0107696	0.627732	-0.703471	0.0965269	3.15E-13	-0.0074238	0.0153431	0.6284919	0.5074943	6	0.91863036
ENSG00000115687	2	PASK	242045514	rs6724057	2	242113751	A	G	0.700795	-0.0048933	0.00894008	0.584143	-0.291174	0.0472582	7.21E-10	0.0168054	0.0308245	0.585618	0.4168948	6	0.90343806
ENSG00000146205	2	ANO7	242127924	rs76832527	2	242157241	A	G	0.171968	-0.0235225	0.0118568	0.0472694	0.859987	0.112354	1.94E-14	-0.0273522	0.0142428	0.05480413	0.4920992	17	0.54679043
ENSG00000115677	2	HDLBP	242166679	rs2302011	2	242393798	G	A	0.299205	0.024442	0.00831313	0.00328027	-0.391256	0.0554877	1.77E-12	-0.0624706	0.0230204	0.00665352	0.1369542	20	0.28385138
ENSG00000168385	2	2-Sep	242254515	rs35533015	2	242191689	A	G	0.102386	-0.0035638	0.0144103	0.80467	0.668072	0.0568338	6.67E-32	-0.0053344	0.0215748	0.8047118	0.03626283	20	0.96471558
ENSG00000006607	2	FARP2	242295658	rs6437259	2	242361615	G	A	0.793241	-0.0029087	0.00948045	0.758988	0.362661	0.0606026	2.17E-09	-0.0080204	0.0261757	0.7592941	0.02268102	10	0.9590929
ENSG00000180902	2	D2HGDH	242673994	rs7582582	2	242710079	T	C	0.512922	0.00861375	0.00811533	0.288501	-0.631994	0.0597479	3.78E-26	-0.0136295	0.0129053	0.2909164	0.7845284	20	0.79910376
ENSG00000154252	2	GAL3ST2	242716240	rs6740752	2	242703183	G	A	0.512922	0.00709639	0.00810983	0.381555	0.579528	0.0967569	2.10E-09	0.0122451	0.0141424	0.3865756	0.3306493	3	0.84743529
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.20102	0.0835482	7.41E-47	0.0146472	0.00770894	0.05742918	0.4350778	20	0.55393262
ENSG00000237940	2	AC093642.3	242912834	rs77053357	2	242918636	T	C	0.11829	0.0196437	0.0145275	0.176319	-0.627608	0.0914318	6.69E-12	-0.0312993	0.0235922	0.1846153	0.3222426	13	0.72887369
ENSG00000261186	2	RP11-341N2.1	243029505	rs12616338	2	243035759	A	C	0.457256	0.0124272	0.00879536	0.157679	0.931032	0.0940627	4.25E-23	0.0133478	0.00954266	0.1618887	0.2846162	20	0.71666927
ENSG00000224318	3	CHL1-AS2	237441	rs6790273	3	220494	G	A	0.214712	0.0130478	0.00945421	0.167556	-0.573408	0.0913724	3.48E-10	-0.0227548	0.0168818	0.1776923	0.071833	13	0.72148239
ENSG00000072756	3	TRNT1	3168600	rs4685610	3	3202292	G	A	0.252485	-0.0134234	0.00936734	0.151857	-0.32788	0.0599115	4.43E-08	0.04094	0.0295326	0.1656659	0.07369189	7	0.71920561
ENSG00000144455	3	SUMF1	3742498	rs10494172	3	4410619	C	G	0.511928	0.00105614	0.00807196	0.895902	-0.507348	0.0592602	1.12E-17	-0.0020817	0.015912	0.8959135	0.4602862	9	0.98333484
ENSG00000180914	3	OXTR	8792094	rs237897	3	8808285	G	A	0.593439	-0.0022426	0.00811856	0.782373	-0.615769	0.0690559	4.79E-19	0.00364189	0.0131907	0.782476	0.2270313	16	0.96344804
ENSG00000134077	3	THUMPD3	9404526	rs62246308	3	9469287	C	T	0.147117	-0.0147272	0.0126139	0.242993	-0.477625	0.0626083	2.37E-14	0.0308342	0.0267171	0.2484593	0.2609276	20	0.76959804
ENSG00000156990	3	RPUSD3	9879533	rs2290306	3	9885615	C	G	0.05666	0.00311167	0.0184157	0.865822	-0.590772	0.0683965	5.75E-18	-0.0052671	0.0311782	0.865847	0.5219797	4	0.97675342
ENSG00000187288	3	CIDEC	9908398	rs279558	3	9932337	C	G	0.690855	0.00074826	0.00838728	0.928912	-0.771197	0.10161	3.21E-14	-0.0009703	0.0108764	0.9289172	0.6831974	14	0.98848643
ENSG00000240288	3	GHRLOS	10327438	rs171336	3	10325750	G	T	0.652087	0.00577921	0.00832815	0.487723	0.47841	0.0747741	1.57E-10	0.01208	0.0175101	0.4902628	0.6818461	20	0.87805165
ENSG00000144559	3	TAMM41	11831916	rs9876026	3	11849807	C	A	0.419483	-0.0071937	0.00808536	0.373619	-0.433466	0.0561922	1.22E-14	0.0165957	0.0187765	0.3767739	0.6086271	18	0.84015954
ENSG00000075975	3	MKRN2	12598513	rs79836657	3	12615964	A	G	0.0775348	-0.0086837	0.0166184	0.601297	0.801833	0.113521	1.63E-12	-0.0108298	0.0207821	0.6022893	0.3859071	12	0.91118981
ENSG00000233121	3	VN1R20P	13968310	rs6775073	3	13925231	A	G	0.681909	0.00751411	0.00846856	0.37492	0.383689	0.0590499	8.16E-11	0.0195839	0.0222763	0.3793275	0.7385919	10	0.84412634
ENSG00000255021	3	RP11-536I6.2	14313873	rs9813518	3	14316508	T	C	0.319085	-0.0033079	0.00833266	0.691379	-0.662966	0.0878795	4.56E-14	0.00498961	0.0125861	0.6917831	0.5218857	10	0.9413952
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.690333	0.0650171	2.47E-26	0.00709268	0.0118972	0.5510643	0.55147	16	0.89134276
ENSG00000131379	3	C3orf20	14716606	rs4684237	3	14710588	T	C	0.217694	0.00452967	0.00875492	0.604887	-0.757676	0.104806	4.85E-13	-0.0059784	0.0115845	0.6058085	0.2445495	4	0.91214701
ENSG00000271964	3	RP11-415F23.2	16355946	rs842251	3	16299091	G	C	0.429423	-0.0129093	0.00824024	0.117205	0.673722	0.0932308	4.96E-13	-0.0191612	0.012515	0.1257566	0.6956424	16	0.68123799
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	0.711676	0.0555645	1.48E-37	-0.0008945	0.0117091	0.9391075	0.00021428	20	0.99132842
ENSG00000170275	3	CRTAP	33155471	rs7611841	3	33156196	C	T	0.858847	-0.0133712	0.0132332	0.312294	0.314447	0.0510823	7.47E-10	-0.0425229	0.0426472	0.3187232	0.2072961	8	0.80963732
ENSG00000271324	3	RP11-10C24.2	33835136	rs4678620	3	33911932	G	A	0.233598	-0.016622	0.00940726	0.0772396	0.808083	0.115902	3.12E-12	-0.0205697	0.0120095	0.08675182	0.6546764	11	0.62465132
ENSG00000271643	3	RP11-10C24.3	33837180	rs4678620	3	33911932	G	A	0.233598	-0.016622	0.00940726	0.0772396	0.69611	0.11996	6.52E-09	-0.0238784	0.0141266	0.09096857	0.5329121	12	0.63306891
ENSG00000136059	3	VILL	38029550	rs9843506	3	38046023	C	A	0.188867	0.00502604	0.0110401	0.648927	-0.905929	0.0671057	1.56E-41	-0.0055479	0.0121934	0.6491132	0.2514788	16	0.92722972
ENSG00000157036	3	EXOG	38537618	rs1073506	3	38566235	T	G	0.387674	0.0130314	0.00816288	0.110396	0.464393	0.0616176	4.82E-14	0.0280611	0.0179675	0.1183422	0.1941219	14	0.66978378
ENSG00000223797	3	ENTPD3-AS1	40355293	rs6801859	3	40493218	T	G	0.688867	0.00940728	0.00834579	0.259662	-0.295009	0.0539004	4.42E-08	-0.0318881	0.0288837	0.2695849	0.9119258	8	0.78265812
ENSG00000168032	3	ENTPD3	40428647	rs2371185	3	40463063	T	G	0.621272	0.00947233	0.00821425	0.248846	0.158491	0.023538	1.66E-11	0.0597657	0.0525824	0.2557011	0.4316316	20	0.77325337
ENSG00000168038	3	ULK4	41288090	rs9837273	3	41813104	C	T	0.189861	0.00548276	0.0100045	0.58367	0.678095	0.0790062	9.26E-18	0.00808553	0.0147839	0.5844367	0.2086296	6	0.90246744
ENSG00000093183	3	SEC22C	42589461	rs58825152	3	42586686	T	C	0.110338	0.00329198	0.0133122	0.804683	0.709436	0.0842047	3.60E-17	0.00464028	0.0187726	0.8047658	0.2608669	15	0.96471558
ENSG00000230084	3	RP4-613B23.1	42643455	rs33984028	3	42622781	T	C	0.140159	0.00248904	0.0127018	0.844642	0.902946	0.0855715	4.98E-26	0.00275658	0.0140695	0.8446682	0.3165387	20	0.97214076
ENSG00000010282	3	HHATL	42734155	rs123509	3	42733468	C	T	0.771372	-0.0238684	0.00913712	0.00899518	-0.413634	0.059638	4.04E-12	0.0577042	0.0236047	0.01450109	0.2964992	4	0.3522782
ENSG00000181061	3	HIGD1A	42798669	rs73077220	3	42842340	C	T	0.215706	0.0276459	0.00914472	0.0025015	-0.414026	0.0427396	3.42E-22	-0.0667733	0.0231379	0.00390313	0.8713156	8	0.2603942
ENSG00000144647	3	POMGNT2	43120724	rs1949585	3	43146116	T	A	0.466203	-0.0019268	0.008266	0.815681	0.403685	0.0474673	1.82E-17	-0.0047731	0.0204841	0.8157484	0.1270222	17	0.96552943
ENSG00000144792	3	ZNF660	44619715	rs4682750	3	44738629	C	T	0.899602	0.0084309	0.0132322	0.524026	-0.847633	0.0837586	4.51E-24	-0.0099464	0.0156417	0.5248473	0.2286441	20	0.88210958
ENSG00000196653	3	ZNF502	44754135	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.494538	0.0867956	1.21E-08	-0.0542571	0.0218404	0.01298222	0.3825747	3	0.34907046
ENSG00000011376	3	LARS2	45429998	rs3821895	3	45587983	G	A	0.333002	-0.0074022	0.0096328	0.442229	-0.582225	0.0549544	3.15E-26	0.0127136	0.0165883	0.4434248	0.1906604	20	0.86824012
ENSG00000144791	3	LIMD1	45596886	rs2578679	3	45715688	A	G	0.759443	0.00296573	0.00929975	0.749799	-0.616957	0.073467	4.55E-17	-0.004807	0.0150844	0.7499733	0.7600788	13	0.95395436
ENSG00000241186	3	TDGF1	46616045	rs3806702	3	46617502	C	T	0.270378	-0.0211701	0.00870733	0.0150446	0.817299	0.0788425	3.53E-25	-0.0259025	0.0109429	0.01792988	0.5379126	14	0.36362298
ENSG00000188086	3	PRSS45	46783582	rs57268847	3	46794745	T	A	0.149105	-0.0097795	0.0102912	0.341973	0.64755	0.108834	2.68E-09	-0.0151023	0.0160939	0.3480481	0.454169	9	0.83077006
ENSG00000114650	3	SCAP	47455203	rs11130123	3	47285912	G	A	0.59841	0.00749162	0.00826814	0.364893	-0.336081	0.0503062	2.38E-11	-0.0222911	0.0248269	0.3692588	0.7143532	14	0.8352928
ENSG00000164048	3	ZNF589	48282590	rs11130163	3	48312658	C	T	0.327038	-0.0250208	0.00963862	0.00943452	0.500016	0.0746949	2.17E-11	-0.05004	0.0206753	0.01550849	0.1360951	7	0.3522782
ENSG00000232112	3	TMA7	48481667	rs13069724	3	48478039	C	T	0.537773	-0.0012973	0.00821852	0.874579	0.248115	0.0393214	2.79E-10	-0.0052284	0.0331342	0.8746181	0.2208873	12	0.97700295
ENSG00000213689	3	TREX1	48506445	rs13072012	3	48496302	T	A	0.533797	-0.0016704	0.00820979	0.838776	0.277401	0.0479224	7.10E-09	-0.0060215	0.0296137	0.838874	0.8904905	4	0.97106201
ENSG00000213672	3	NCKIPSD	48701364	rs6788650	3	48749543	C	T	0.656064	-0.0282853	0.00849555	0.00087026	0.435176	0.0363428	4.85E-33	-0.0649974	0.0202627	0.00133784	0.00687258	20	0.19879146
ENSG00000068745	3	IP6K2	48725436	rs72929172	3	48731961	G	A	0.0646123	0.034796	0.0167667	0.0379586	0.652371	0.107505	1.29E-09	0.0533377	0.0271626	0.04957119	0.09279275	7	0.53481261
ENSG00000178252	3	WDR6	49044495	rs4974082	3	48999323	A	G	0.659046	-0.0287623	0.0085411	0.00075847	-0.221067	0.0391511	1.64E-08	0.130107	0.0449851	0.00382531	0.1466819	8	0.2603942
ENSG00000233276	3	GPX1	49394609	rs4955430	3	49378088	A	G	0.766402	-0.0171075	0.0100612	0.0890677	-0.279912	0.0357862	5.21E-15	0.0611174	0.0367836	0.09660548	0.03083329	20	0.64834522
ENSG00000145020	3	AMT	49454211	rs2312462	3	49601255	C	T	0.76839	-0.0174455	0.0100553	0.0827504	0.565679	0.0616979	4.80E-20	-0.0308399	0.0180911	0.08824978	0.009975	20	0.62775694
ENSG00000173540	3	GMPPB	49754277	rs62262675	3	49673662	G	A	0.16004	0.0233268	0.0130713	0.0743276	0.628477	0.0819609	1.75E-14	0.0371164	0.0213542	0.08218782	0.00030768	17	0.61622015
ENSG00000004534	3	RBM6	49977440	rs2240329	3	50107512	A	G	0.479125	-0.0012899	0.00807151	0.873036	0.385411	0.0391844	7.89E-23	-0.0033467	0.0209454	0.873053	0.05248722	20	0.97700295
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.472329	0.0574277	1.96E-16	0.0256717	0.0175468	0.1434553	0.00680365	14	0.70565175
ENSG00000164088	3	PPM1M	52279841	rs17052052	3	52331793	G	A	0.102386	0.0050229	0.0168103	0.765094	0.462508	0.0608391	2.91E-14	0.0108601	0.036374	0.7652694	0.03223645	13	0.95964323
ENSG00000239557	3	RP11-168J18.6	52407668	rs34238085	3	52368947	C	A	0.16501	-0.0095223	0.0135065	0.480801	-0.554742	0.0952234	5.69E-09	0.0171652	0.024525	0.4839852	0.2922294	7	0.87653608
ENSG00000055955	3	ITIH4	52846991	rs9682464	3	52888485	T	C	0.275348	-0.0343851	0.00906807	0.00014951	0.656575	0.0665391	5.76E-23	-0.0523704	0.0147958	0.00040083	0.1599654	20	0.16772553
ENSG00000242142	3	SERBP1P3	53098299	rs1864367	3	53111704	C	T	0.597416	0.00306764	0.00816143	0.707014	0.880642	0.0636865	1.73E-43	0.00348341	0.00927101	0.7071164	2.07E-05	20	0.94504139
ENSG00000163933	3	RFT1	53122499	rs1864367	3	53111704	C	T	0.597416	0.00306764	0.00816143	0.707014	-0.768992	0.0771166	2.03E-23	-0.0039892	0.0106207	0.7072116	2.02E-05	20	0.94504139
ENSG00000163931	3	TKT	53258723	rs7633598	3	53265206	C	A	0.167992	0.041908	0.00995114	2.54E-05	0.317501	0.053644	3.25E-09	0.131993	0.0384665	0.00060051	0.5062916	3	0.16772553
ENSG00000016391	3	CHDH	53846362	rs2070618	3	53835785	C	G	0.0745527	0.0229006	0.0157977	0.147168	0.451493	0.0721045	3.81E-10	0.0507219	0.0359153	0.1578721	0.06734466	16	0.71666927
ENSG00000113812	3	ACTR8	53901093	rs6794006	3	53933458	A	T	0.374751	0.00328344	0.00855867	0.701245	-0.525396	0.063661	1.54E-16	-0.0062495	0.0163075	0.7015528	0.03250369	14	0.94421269
ENSG00000180376	3	CCDC66	56591189	rs11714897	3	56666148	C	G	0.298211	-0.0051305	0.00845578	0.544018	-0.420911	0.052706	1.39E-15	0.0121891	0.0201471	0.5451759	0.1478132	20	0.88843971
ENSG00000242428	3	RP11-147N17.1	58810163	rs9822130	3	58809614	A	T	0.270378	-0.0216495	0.00915307	0.0180169	0.351126	0.0534922	5.24E-11	-0.0616574	0.0277085	0.02606676	0.6559445	5	0.44613737
ENSG00000163634	3	THOC7	63819546	rs9842724	3	63804761	C	T	0.776342	0.00887021	0.00911338	0.330395	0.306601	0.0449367	8.92E-12	0.0289308	0.0300248	0.3352654	0.9970588	20	0.81908674
ENSG00000144741	3	SLC25A26	66119285	rs146159281	3	66287056	A	G	0.341948	-0.0119615	0.00811514	0.140489	-0.704547	0.0594449	2.10E-32	0.0169776	0.011607	0.143548	0.7382922	20	0.70565175
ENSG00000241316	3	RP11-81N13.1	67705121	rs2198015	3	67704102	A	G	0.357853	0.0113675	0.00820263	0.165798	-0.59478	0.0848573	2.40E-12	-0.0191121	0.014058	0.1739827	0.508521	11	0.72148239

ENSG00000144746	3	ARL6IP5	69134095	rs7039	3	69154343	G	C	0.510934	0.00875843	0.00808718	0.278808	-0.296216	0.0321677	3.31E-20	-0.0295677	0.0274898	0.2821113	0.167042	12	0.79552497
ENSG00000172986	3	GXYLT2	72937224	rs4677212	3	72994544	C	T	0.615308	-0.0078597	0.00872509	0.367688	0.648399	0.0885048	2.37E-13	-0.0121216	0.0135577	0.3712802	0.3306684	11	0.83646794
ENSG00000244026	3	FAM86DP	75470703	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.5529	0.167521	1.86E-20	0.0110609	0.00988892	0.2633464	0.8280035	11	0.78131464
ENSG00000272690	3	RP11-803B1.8	75484499	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.29987	0.185907	2.71E-12	0.013214	0.0118789	0.2659671	0.7372774	7	0.78131464
ENSG00000243422	3	RP11-413E6.1	75673837	rs80278512	3	75853349	C	A	0.166004	0.0128079	0.00989878	0.195705	-0.658492	0.105826	4.90E-10	-0.0194503	0.0153541	0.2052308	0.1629687	9	0.74217028
ENSG00000242516	3	LINC00960	75721542	rs9869748	3	75863554	C	T	0.640159	-0.0045159	0.00893557	0.613289	-0.661628	0.0913478	4.39E-13	0.00682545	0.0135383	0.614149	0.5016635	12	0.91423182
ENSG00000227124	3	ZNF717	75758794	rs6549798	3	75849185	T	C	0.469185	-0.0138111	0.00807736	0.0872931	-0.594329	0.0893019	2.83E-11	0.0232381	0.0140321	0.09770745	0.5164088	19	0.64834522
ENSG00000175161	3	CADM2	85008132	rs9860513	3	85053354	C	T	0.353877	-0.008149	0.00959716	0.395821	0.286551	0.0474028	1.49E-09	-0.0284383	0.0338208	0.4004303	0.4418164	17	0.85220256
ENSG00000239519	3	CADM2-AS1	86041333	rs12636273	3	86029127	A	G	0.596421	0.00505666	0.00823066	0.538972	0.722105	0.103486	3.00E-12	0.00700267	0.0114422	0.540537	0.176326	20	0.88821024
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.716413	0.0693801	5.38E-25	0.00639355	0.0113109	0.5718984	0.9617426	20	0.89924765
ENSG00000114021	3	NIT2	100053545	rs13082297	3	100071070	C	G	0.348907	-0.0066056	0.00854824	0.439676	-0.187469	0.0335124	2.22E-08	0.0352355	0.0460311	0.4439908	0.987606	6	0.86824012
ENSG00000206535	3	LNP1	100120037	rs378535	3	100076688	G	C	0.67495	0.00223968	0.00841941	0.790229	-0.229221	0.0363656	2.92E-10	-0.0097708	0.0367632	0.7904107	0.8682055	4	0.96351947
ENSG00000154175	3	ABI3BP	100468000	rs1349200	3	100790743	A	G	0.496024	-0.0047509	0.00822072	0.563318	-0.354034	0.0624498	1.44E-08	0.0134194	0.0233405	0.5653324	0.1955211	15	0.89490663
ENSG00000256628	3	ZBTB11-AS1	101395274	rs2303474	3	101371899	T	G	0.328032	-0.0059561	0.0083778	0.477123	0.585296	0.0981132	2.44E-09	-0.0101762	0.0144151	0.4802236	0.09603768	11	0.87638737
ENSG00000244119	3	PDCL3P4	101431316	rs3094295	3	101401995	C	T	0.328032	-0.0073446	0.00837716	0.380628	0.600717	0.0605468	3.36E-23	-0.0122264	0.0139996	0.3824796	0.03222508	20	0.84653068
ENSG00000273125	3	RP11-115H18.1	107149777	rs6778790	3	107184851	A	C	0.277336	0.00049142	0.00930055	0.957861	0.629902	0.0726429	4.28E-18	0.00078015	0.0147653	0.957862	0.2234476	17	0.99428844
ENSG00000121570	3	DPPA4	109044988	rs7619282	3	109055908	C	T	0.482107	0.00233013	0.00811675	0.774054	-0.592033	0.0742284	1.51E-15	-0.0039358	0.0137188	0.7741958	0.4418155	16	0.96214355
ENSG00000177707	3	PVRL3	110788918	rs59618276	3	110649218	T	C	0.0467197	0.025526	0.0214913	0.234938	1.24493	0.138094	1.97E-19	0.020504	0.0174122	0.2389719	0.6188807	11	0.76866335
ENSG00000240057	3	RP11-572M11.4	112738379	rs2245698	3	112828278	T	G	0.389662	0.00853135	0.00808166	0.291131	-0.704449	0.0862645	3.18E-16	-0.0121107	0.0115678	0.295131	0.9970527	12	0.80291535
ENSG00000243795	3	RP11-572M11.3	112861197	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	0.571859	0.0788413	4.07E-13	0.0144528	0.014271	0.3111845	0.5924788	8	0.80584798
ENSG00000144857	3	BOC	112929850	rs4682132	3	112983256	C	T	0.209742	0.00979219	0.00882902	0.267391	0.275446	0.050423	4.69E-08	0.0355503	0.0327075	0.2770741	0.2772057	7	0.79243677
ENSG00000163389	3	POGLUT1	119187785	rs116524207	3	119206620	T	C	0.0725646	-0.0310745	0.0161451	0.0542663	0.852845	0.117174	3.38E-13	-0.0364363	0.0195816	0.0627806	0.2499651	11	0.5653713
ENSG00000144843	3	ADPRH	119298115	rs138015439	3	119298609	A	C	0.0318091	-0.0199124	0.0215006	0.354379	-0.830745	0.0888472	8.74E-21	0.0239693	0.0260078	0.3567255	0.8415257	6	0.83410235
ENSG00000173226	3	IQCB1	121488610	rs76808446	3	121527107	T	A	0.125249	-0.0116773	0.0125605	0.352532	1.13333	0.119948	3.44E-21	-0.0103035	0.0111363	0.3548534	0.8773363	19	0.83410235
ENSG00000114030	3	KPNA1	122140796	rs9818363	3	122112291	C	T	0.426441	0.0108132	0.00806312	0.1799	0.315056	0.0494749	1.92E-10	0.0343215	0.026154	0.1894241	0.7543952	4	0.73499176
ENSG00000221955	3	SLC12A8	124801480	rs2688991	3	124806188	C	T	0.536779	0.0107189	0.00824209	0.193426	0.302483	0.0489957	6.67E-10	0.0354364	0.0278461	0.2031676	0.8472528	11	0.74217028
ENSG00000144909	3	OSBPL11	125247702	rs2979331	3	125346987	C	T	0.162028	-0.006665	0.0143528	0.642381	0.534089	0.0725747	1.85E-13	-0.0124792	0.0269269	0.6430421	0.315328	15	0.92525205
ENSG00000241288	3	RP11-379B18.5	125546081	rs79344588	3	125632117	A	G	0.187873	0.0106543	0.00920041	0.246852	0.434585	0.069715	4.55E-10	0.024516	0.0215328	0.2548927	0.6358247	7	0.77238055
ENSG00000241278	3	ENPP7P4	125567066	rs3107515	3	125491458	G	A	0.709742	0.0185529	0.00980268	0.0584077	-0.585292	0.0743862	3.60E-15	-0.0316985	0.0172261	0.06574635	0.04017187	20	0.57012886
ENSG00000171084	3	FAM86JP	125635463	rs12495005	3	125636177	C	T	0.168986	-0.017924	0.0141968	0.206753	1.55729	0.114642	4.99E-42	-0.0115097	0.00915564	0.2087102	0.1624893	20	0.74658316
ENSG00000189366	3	ALG1L	125648118	rs6764781	3	125765624	G	A	0.719682	-0.0179897	0.00881986	0.0413819	0.932809	0.0878185	2.35E-26	-0.0192855	0.0096279	0.04516815	0.6682612	20	0.52029162
ENSG00000241439	3	RP11-666A20.3	125677399	rs11929488	3	125703352	T	C	0.39662	0.0137183	0.00821584	0.0949708	-0.645753	0.0875635	1.65E-13	-0.0212439	0.0130449	0.1034152	0.811612	20	0.65389611
ENSG00000114547	3	ROPN1B	125687987	rs4450758	3	125686761	A	T	0.557654	0.010378	0.00808979	0.199544	-0.646404	0.0590149	6.41E-28	-0.016055	0.0126006	0.2026129	0.7274458	20	0.74217028
ENSG00000070476	3	ZXDC	126156444	rs777498	3	126189000	A	C	0.61829	0.00790915	0.0082088	0.335298	0.446567	0.0599544	9.44E-14	0.017711	0.0185352	0.3393071	0.2021244	13	0.82406754
ENSG00000261159	3	RP11-723O4.9	128578559	rs789248	3	128580574	C	T	0.351889	-0.0035731	0.00837314	0.669573	0.582045	0.0851359	8.11E-12	-0.0061389	0.0144137	0.6701764	0.3068324	7	0.93322639
ENSG00000231305	3	RP11-723O4.2	128580156	rs789213	3	128616359	G	C	0.187873	-0.0109495	0.010457	0.295056	0.612042	0.0926086	3.87E-11	-0.0178901	0.0172985	0.3010437	0.2795101	6	0.80382121
ENSG00000177646	3	ACAD9	128598439	rs62265307	3	128662441	T	C	0.0178926	0.00919199	0.0203637	0.651708	2.2634	0.238375	2.20E-21	0.00406114	0.00900711	0.6520748	0.9526107	14	0.92885582
ENSG00000270773	3	RP13-685P2.7	129064254	rs56973985	3	129084733	C	T	0.0725646	0.0125206	0.0145753	0.390323	1.0908	0.154526	1.68E-12	0.0114784	0.0134606	0.3938048	0.7266643	4	0.8477398
ENSG00000251474	3	RPL32P3	129101765	rs4429625	3	129139320	G	A	0.161034	0.0180009	0.0153793	0.241813	0.390184	0.0582281	2.07E-11	0.0461344	0.0400123	0.2489079	0.412996	12	0.76959804
ENSG00000163913	3	IFT122	129158968	rs2713621	3	129224131	T	G	0.158052	0.0192298	0.0154746	0.213992	-0.392589	0.0491767	1.43E-15	-0.048982	0.0398915	0.2194913	0.6265822	17	0.75807011
ENSG00000253540	3	FAM86HP	129817935	rs7616082	3	129820737	C	T	0.383698	-0.005894	0.0082162	0.473147	-0.525401	0.0601181	2.34E-18	0.0112182	0.0156906	0.4746323	0.2099969	8	0.87401188
ENSG00000249846	3	RP11-77P16.4	129831393	rs12233562	3	129845749	A	G	0.420477	-0.0108672	0.00828273	0.18951	0.689592	0.0725734	2.06E-21	-0.0157589	0.012125	0.1937039	0.1687398	18	0.74147313
ENSG00000228252	3	COL6A4P2	129931666	rs112987689	3	129824001	T	C	0.475149	-0.0122547	0.00809346	0.12999	-0.999583	0.0867824	1.07E-30	0.0122598	0.0081665	0.1332954	0.2066032	20	0.6978893
ENSG00000014257	3	ACPP	132036211	rs35164802	3	132044301	C	G	0.0467197	-0.0166634	0.0131343	0.204552	1.71225	0.184004	1.33E-20	-0.0097319	0.00774175	0.2087305	0.8022125	4	0.74658316
ENSG00000113971	3	NPHP3	132276986	rs66564593	3	132436967	G	A	0.21173	-0.001187	0.00997949	0.905317	-0.755759	0.0698674	2.86E-27	0.00157066	0.0132054	0.9053223	0.9895058	9	0.98439248
ENSG00000260633	3	RP11-375I20.6	134066130	rs2400278	3	134073100	G	A	0.60835	-0.0053488	0.0082774	0.518153	-0.690735	0.0785776	1.49E-18	0.00774365	0.0120158	0.5192801	0.5637845	14	0.88027463
ENSG00000154928	3	EPHB1	134316643	rs10935141	3	134623700	T	A	0.338966	-0.0049813	0.00832534	0.549619	-0.349619	0.0584717	2.24E-09	0.0142478	0.0239315	0.5516052	0.6816519	3	0.89134276
ENSG00000114054	3	PCCB	135969148	rs696081	3	136047189	G	A	0.431412	-0.0199676	0.00808918	0.0135709	0.324899	0.0542132	2.06E-09	-0.0614579	0.0269268	0.02246529	0.5582543	12	0.41026745
ENSG00000261758	3	RP11-102M11.2	136471472	rs6791611	3	136160590	C	G	0.462227	-0.0162305	0.00810418	0.0452054	0.513921	0.0735777	2.85E-12	-0.0315817	0.0164047	0.05420965	0.614091	20	0.54679043
ENSG00000168917	3	SLC35G2	136537489	rs1344790	3	136651964	C	A	0.657058	0.00225841	0.00870452	0.795286	0.266855	0.0480007	2.71E-08	0.00846306	0.0326544	0.7955037	0.2772094	5	0.96351947
ENSG00000273486	3	RP11-731C17.2	136556180	rs835648	3	136671504	T	A	0.668986	0.00204667	0.00880249	0.816142	0.540833	0.0810907	2.57E-11	0.00378429	0.0162857	0.8162513	0.6671296	6	0.96552943
ENSG00000181322	3	NME9	137980279	rs9867678	3	138029377	G	A	0.663022	0.00589437	0.00839686	0.482696	0.323108	0.0569487	1.40E-08	0.0182427	0.0261859	0.4860149	0.8837978	5	0.8777292
ENSG00000158234	3	FAIM	138327448	rs773448	3	138296036	A	G	0.527833	-0.0087764	0.00831337	0.291107	0.266295	0.0486674	4.46E-08	-0.0329574	0.0317944	0.2999315	0.1818938	7	0.80291535
ENSG00000114124	3	GRK7	141496990	rs7635763	3	141468201	C	T	0.116302	0.0003849	0.0148338	0.979299	0.806788	0.146251	3.46E-08	0.00047708	0.0183864	0.9792993	0.8132838	4	0.99456097
ENSG00000152952	3	PLOD2	145787227	rs6799720	3	145835509	G	T	0.502982	-0.0044931	0.0080672	0.577555	-0.207687	0.0365028	1.27E-08	0.021634	0.0390287	0.5793662	0.6547268	9	0.89957869
ENSG00000071794	3	HLTF	148747914	rs6802828	3	148714894	C	T	0.365805	-0.0094397	0.00813973	0.246168	0.329802	0.0549799	1.99E-09	-0.0286223	0.0251377	0.2548604	0.00507597	9	0.77238055
ENSG00000114744	3	COMMD2	149456257	rs13067331	3	149449420	T	C	0.409543	0.0183822	0.00829561	0.0266987	0.414602	0.0517645	1.15E-15	0.044337	0.0207602	0.03270652	0.3779365	20	0.48327225
ENSG00000243321	3	snoU13	149795281	rs56198011	3	149797925	T	C	0.317097	0.0168637	0.00869025	0.0523142	-0.730338	0.0728913	1.25E-23	-0.0230903	0.0121201	0.05676324	0.04484766	15	0.55393262
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	0.773178	0.0651963	1.93E-32	-0.0174268	0.0142963	0.2228536	0.6156174	19	0.75840867
ENSG00000240137	3	RP11-103G8.2	150421351	rs9869495	3	150443248	G	C	0.357853	-0.0019225	0.00888676	0.828733	0.445559	0.0595015	6.98E-14	-0.0043147	0.0199535	0.8288028	0.1569144	4	0.96886511
ENSG00000243069	3	ARHGEF26-AS1	153742190	rs11914514	3	153746544	C	T	0.240557	-0.0136161	0.0090087	0.130677	0.404305	0.0472909	1.24E-17	-0.0336778	0.0226275	0.1366563	0.9420068	20	0.6978893
ENSG00000240045	3	RP11-451G4.2	155008018	rs10460859	3	155027020	A	G	0.466203	0.0224505	0.00820816	0.00623534	-0.799139	0.0621737	8.24E-38	-0.0280934	0.0105012	0.00746749	0.05000208	16	0.28385138
ENSG00000243926	3	TIPARP-AS1	156389651	rs6807235	3	156341601	T	C	0.167992	-0.0155966	0.0104059	0.133919	-0.574559	0.101748	1.63E-08	0.0271453	0.0187382	0.147432	0.0425267	13	0.70919091
ENSG00000244515	3	KRT18P34	156880452	rs62276488	3	156911894	T	C	0.258449	-0.0171592	0.0105713	0.10455	-0.537489	0.0720164	8.43E-14	0.0319247	0.0201277	0.1127145	0.1492555	8	0.6675067
ENSG00000174899	3	C3orf55	157261035	rs6441135	3	157260961	G	T	0.522863	0.00694582	0.00806644	0.389196	-0.499685	0.0738479	1.32E-11	-0.0139004	0.0162732	0.3930011	0.4287511	12	0.8477398
ENSG00000079257	3	LXN	158363611	rs1864505	3	158362588	G	C	0.385686	0.014076	0.00874156	0.107347	0.483641	0.0757988	1.76E-10	0.0291042	0.0186412	0.1184557	0.157554	11	0.66978378
ENSG00000240207	3	RP11-379F4.4	158450052	rs61558956	3	158452655	A	T	0.193837	0.0162472	0.0129689	0.210286	-0.506449	0.0681987	1.12E-13	-0.0320806	0.0259694	0.216709	0.2293795	11	0.75444273
ENSG00000272247	3	RP11-379F4.9	158519046	rs2244996	3	158519446	C	T	0.72167	-0.0201126	0.00842173	0.0169321	-0.703629	0.1074	5.70E-11	0.0285841	0.0127394	0.02484825	0.7121859	5	0.42752068
ENSG00000068885	3	IFT80	159974774	rs1920635	3	160309529	A	G	0.508946	0.00097858	0.0082903	0.906037	0.288439	0.047654	1.42E-09	0.00339267	0.0287474	0.9060547	0.2119087	20	0.98439248
ENSG00000114200	3	BCHE	165490692	rs146013366	3	165977341	T	G	0.0159046	-0.0649432	0.0523333	0.214623	-1.69236	0.260593	8.34E-11	0.0383743	0.0314828	0.2228821	0.6788596	11	0.75840867
ENSG00000114204	3	SERPINI2	167159577	rs6784405	3	167214479	A	G	0.352883	0.00082474	0.00819304	0.919817	0.428359	0.0714258	2.01E-09	0.00192535	0.0191293	0.9198287	0.9311045	10	0.98652232
ENSG00000206120	3	EGFEM1P	167967310	rs613688	3	168518043	A	G	0.403579	0.00406908	0.00849428	0.631911	-0.603	0.0697106	5.15E-18	-0.0067481	0.0141083	0.6324333	0.5760376	20	0.92131215
ENSG00000171109	3	MFN1	179065480	rs6443650	3	179144776	A	C	0.452286	-0.0063311	0.00805821	0.432058	0.27149	0.0492364	3.51E-08	-0.0233199	0.0299812	0.4366761	0.00274656	9	0.86824012
ENSG00000241231	3	RP11-275H4.1	181138846	rs6443742	3	181160258	G	A	0.687873	0.0257017	0.00867556	0.00305105	0.995471	0.0667016	2.29E-50	0.0258186	0.00888508	0.00366266	0.09266323	20	0.2603942
ENSG00000078070	3	MCCC1	182733006	rs12491196	3	182803532	C	T	0.9334	-0.0156267	0.0164288	0.341514	0.822724	0.108312	3.06E-14	-0.0189939	0.0201247	0.3452687	0.7658383	20	0.82996866
ENSG00000240024	3	LINC00888	183165396	rs9826761	3	183167858	G	A	0.533797	-0.0074914	0.00830134	0.36683	0.280888	0.0384189	2.65E-13	-0.0266702	0.0297782	0.3704505	0.8096214	11	0.83632782
ENSG00000114796	3	KLHL24	183353356	rs9825728	3	183355958	A	C	0.263419	-0.0071721	0.00959789	0.454907	-0.309633	0.0418685	1.41E-13	0.0231633	0.0311555	0.4571952	0.5680425	10	0.86994826
ENSG00000233885	3	YEATS2-AS1	183524245	rs2255019	3	183534913	G	A	0.470179	0.00402835	0.0084074	0.631837	0.546932	0.0501302	1.03E-27	0.00736536	0.0153867	0.6321649	0.6908041	20	0.92131215
ENSG00000180834	3	MAP6D1	183533664	rs2176827	3	183612456	T	C	0.472167	6.33E-05	0.00863003	0.994144	-0.193226	0.0341116	1.47E-08	-0.0003278	0.0446629	0.9941442	0.5972007	9	0.99818905
ENSG00000114770	3	ABCC5	183637722	rs1467257	3	183755531	C	A	0.579523	0.00589451	0.0080752	0.46542	0.217355	0.0343693	2.55E-10	0.0271193	0.0373988	0.4683675	0.5142911	13	0.87345602
ENSG00000161204	3	ABCF3	183903811	rs6795462	3	183947365	G	C	0.0208748	0.0168985	0.0229978	0.462467	1.84923	0.234888	3.47E-15	0.00913813	0.0124905	0.4644078	0.3793013	6	0.87345602
ENSG00000145198	3	VWA5B2	183948217	rs843352	3	183978846	A	G	0.222664	0.00802258	0.010495	0.444619	-0.413322	0.0634846	7.49E-11	-0.01941	0.0255662	0.4477304	0.1785599	8	0.86824012
ENSG00000145194	3	ECE2	183967438	rs4912532	3	184000619	T	G	0.529821	0.002586	0.00805744	0.74825	-0.340065	0.0468618	3.96E-13	-0.0076044	0.023717	0.7484891	0.5841513	5	0.95384439
ENSG00000156931	3	VPS8	184529931	rs62286936	3	184556483	C	T	0.0526839	-0.0017755	0.0229519	0.938341	1.08608	0.116404	1.06E-20	-0.0016347	0.0211335	0.9383427	0.3867478	20	0.99132842
ENSG00000127249	3	ATP13A4	193119866	rs281811	3	193276672	T	C	0.430417	0.003978	0.00810956	0.623758	-0.242174	0.0427606	1.48E-08	-0.0164262	0.0336119	0.6250523	0.1277372	7	0.91838156
ENSG00000236297	3	RP11-175P19.2	193296601	rs3845942	3	193421825	G	A	0.340954	0.00919922	0.00820744	0.262356	0.658904	0.0948591	3.75E-12	0.0139614	0.0126173	0.2684989	0.1722437	10	0.78265812
ENSG00000230102	3	RP11-407B7.1	193723226	rs4687494	3	193728370	G	T	0.520875	0.0040165	0.00817629	0.623258	0.599994	0.075927	2.74E-15	0.00669423	0.0136536	0.623928	0.3824132	14	0.91838156
ENSG00000225742	3	RP11-513G11.4	193920805	rs11918985	3	193942879	G	A	0.565606	-0.0015768	0.00808558	0.845378	0.578572	0.0923029	3.65E-10	-0.0027254	0.0139818	0.8454521	0.8050592	3	0.97214076
ENSG00000231770	3	TMEM44-AS1	194304740	rs7636054	3	194306240	C	T	0.191849	0.00083451	0.0105368	0.936874	0.733388	0.0936757	4.92E-15	0.00113788	0.014368	0.9368775	0.6239487	5	0.99132842
ENSG00000041802	3	LSG1	194361517	rs3821403	3	194369580	A	C	0.163022	0.00854817	0.0109511	0.435053	1.12191	0.10015	3.97E-29	0.0076193	0.00978479	0.4361634	0.3114542	12	0.86824012
ENSG00000173950	3	XXYLT1	194789008	rs6784747	3	194781808	C	A	0.130219	-0.0239065	0.0118949	0.0444508	0.527083	0.0960871	4.12E-08	-0.0453562	0.0240345	0.05914232	0.1109187	16	0.55397205
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.633496	0.0514159	6.98E-35	0.0242821	0.0132637	0.06714249	0.05289184	16	0.57608609
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.840515	0.0823075	1.75E-24	0.0108134	0.00970642	0.2652602	0.4179087	20	0.78131464
ENSG00000271662	3	RP11-141C7.3	195377017	rs112058931	3	195576719	A	G	0.172962	-0.0085317	0.0121654	0.48311	-0.85408	0.132348	1.09E-10	0.00998935	0.0143277	0.4856753	0.333441	20	0.8777292
ENSG00000229178	3	AC069513.4	195382436	rs13303068	3	195338127	G	A	0.470179	0.00911295	0.00810974	0.261139	0.702133	0.0792662	8.15E-19	0.012979	0.0116427	0.264949	0.7143664	20	0.78131464
ENSG00000215837	3	SDHAP2	195384967	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.660914	0.0840073	3.62E-15	0.0144602	0.012385	0.2429863	0.9217711	20	0.76866335
ENSG00000176945	3	MUC20	195447753	rs11926771	3	195656731	A	C	0.187873	0.00929126	0.0099394	0.349896	0.741324	0.105992	2.67E-12	0.0125333	0.0135269	0.3541592	0.3799476	20	0.83394496
ENSG00000145113	3	MUC4	195473636	rs144465179	3	195668278	T	C	0.127237	0.00773175	0.0131275	0.555877	0.837534	0.12865	7.51E-11	0.00923157	0.015738	0.5574872	0.6065592	17	0.89377419
ENSG00000231443	3	AC024937.6	195664114	rs111661230	3	195672199	C	G	0.126243	0.00316777	0.012526	0.800349	0.631268	0.113362	2.57E-08	0.00501811	0.0198631	0.8005501	0.872834	4	0.96455314
ENSG00000185485	3	SDHAP1	195686619	rs2077658	3	195341754	A	T	0.677932	0.010302	0.00860313	0.231121	0.455428	0.0671289	1.17E-11	0.0226205	0.0191822	0.2383014	0.1866538	20	0.76866335
ENSG00000231464	3	AC024937.4	195723609	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.752587	0.0964229	5.95E-15	0.0126988	0.0108783	0.2430694	0.9128609	20	0.76866335
ENSG00000163959	3	SLC51A	195938358	rs60631199	3	195961254	T	C	0.204771	0.0203817	0.0100414	0.0423799	-0.614277	0.0932773	4.53E-11	-0.03318	0.0171055	0.05241352	0.3440039	3	0.54679043
ENSG00000163964	3	PIGX	196366646	rs114705154	3	196437439	A	T	0.232604	-0.0121101	0.0109832	0.270201	0.378388	0.0557065	1.10E-11	-0.0320045	0.0294062	0.2764378	0.1338897	6	0.79200278
ENSG00000119227	3	PIGZ	196673214	rs28498807	3	196679395	G	A	0.314115	-0.0064267	0.00934673	0.491713	0.773487	0.0623672	2.54E-35	-0.0083087	0.0121024	0.4923779	0.6807937	19	0.87805165
ENSG00000272989	3	RP13-616I3.1	197232133	rs1431500	3	197191912	C	A	0.380716	0.00888955	0.00844453	0.292479	0.440076	0.0654816	1.81E-11	0.0202	0.0194228	0.2983316	0.712833	8	0.80291535
ENSG00000214135	3	AC024560.3	197305084	rs34080757	3	197341573	T	C	0.082505	0.0211572	0.0203557	0.298632	0.721425	0.0933035	1.06E-14	0.029327	0.0284698	0.3029587	0.7997315	20	0.80442017
ENSG00000250312	4	ZNF718	124386	rs6841951	4	137407	A	G	0.54672	0.00988998	0.00811434	0.22291	-0.899274	0.0709269	7.74E-37	-0.0109977	0.00906481	0.2250402	0.6733821	20	0.75840867
ENSG00000242686	4	RP11-1191J2.2	646639	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	-1.01959	0.0840399	7.13E-34	0.00787181	0.0107946	0.4658587	0.3204908	20	0.87345602
ENSG00000215375	4	MYL5	667369	rs140698490	4	540052	C	G	0.0159046	-0.0228593	0.0340109	0.501509	1.77195	0.194901	9.76E-20	-0.0129006	0.0192464	0.5026744	0.2278832	4	0.8782697
ENSG00000145217	4	SLC26A1	972861	rs4690163	4	975137	C	T	0.636183	0.00584715	0.00906377	0.518854	-0.584344	0.0725038	7.66E-16	-0.0100063	0.0155606	0.520188	0.2109618	20	0.88027463
ENSG00000163945	4	UVSSA	1341054	rs115152027	4	1217078	G	C	0.0437376	-0.0211484	0.0243197	0.384518	1.1064	0.153895	6.51E-13	-0.0191146	0.0221411	0.3879686	0.2561486	10	0.84743529
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.87857	0.172011	9.13E-28	-0.0091369	0.0129262	0.4796599	0.5900952	20	0.87638737
ENSG00000168936	4	TMEM129	1717679	rs28499138	4	1736737	C	T	0.440358	0.00185476	0.00842665	0.825788	-0.253162	0.0324074	5.64E-15	-0.0073264	0.0332988	0.8258563	0.9342869	16	0.96861312
ENSG00000063978	4	RNF4	2463947	rs17132645	4	2490275	A	G	0.356859	0.00493108	0.00834279	0.55448	-0.307952	0.0551095	2.30E-08	-0.0160125	0.0272423	0.55668	0.2635431	5	0.89377419
ENSG00000125388	4	GRK4	2965335	rs13152260	4	3017518	C	T	0.753479	0.0267509	0.0106451	0.0119718	-0.451539	0.0806613	2.17E-08	-0.0592438	0.0258416	0.02187257	0.09252108	9	0.40630032
ENSG00000261643	4	RP11-529E10.6	3505324	rs3468	4	3505448	A	G	0.348907	0.0109854	0.00806661	0.173251	-0.591199	0.0585052	5.25E-24	-0.0185816	0.0137678	0.1771331	0.4121174	18	0.72148239
ENSG00000163956	4	LRPAP1	3508103	rs11735307	4	3497046	T	C	0.217694	-0.000436	0.0107072	0.967523	0.20693	0.0317727	7.37E-11	-0.0021068	0.0517441	0.9675231	0.624287	10	0.99428844
ENSG00000250476	4	ENPP7P9	3968761	rs67338014	4	3963027	A	T	0.326044	-0.0022562	0.00832446	0.78637	0.637651	0.0992828	1.34E-10	-0.0035382	0.0130665	0.7865559	0.6821769	19	0.96351947
ENSG00000132406	4	TMEM128	4237269	rs62286917	4	4243862	C	T	0.342942	0.010314	0.00817884	0.207286	0.491875	0.0623702	3.11E-15	0.0209687	0.0168391	0.2130437	0.2204066	14	0.74886006
ENSG00000247708	4	STX18-AS1	4543858	rs12374209	4	4709748	T	G	0.0606362	0.0161306	0.0194014	0.405739	-1.02415	0.180525	1.40E-08	-0.0157502	0.0191463	0.41072	0.3625563	6	0.85948219
ENSG00000251580	4	RP11-539L10.3	6672452	rs12331200	4	6680077	C	T	0.536779	0.00576844	0.00819961	0.481744	0.568345	0.0729999	6.94E-15	0.0101495	0.0144859	0.4835232	0.3769559	19	0.87638737
ENSG00000245468	4	RP11-367J11.3	7096298	rs58186852	4	7096008	C	T	0.191849	-0.0030611	0.00986202	0.756262	-0.47256	0.0761548	5.46E-10	0.00647772	0.0208954	0.7565562	0.1376149	19	0.95834554
ENSG00000251615	4	RP11-774O3.3	8356817	rs34893440	4	8357736	C	A	0.206759	0.00762537	0.0101409	0.452084	0.573862	0.0744642	1.29E-14	0.0132878	0.0177552	0.4542261	0.644176	15	0.86824012
ENSG00000155275	4	TRMT44	8437867	rs6845969	4	8402465	A	T	0.67992	-0.0048568	0.00829004	0.557973	-0.413121	0.0611401	1.41E-11	0.0117563	0.0201421	0.5594449	0.1869932	20	0.89377419
ENSG00000205959	4	RP11-689P11.2	8483997	rs2177327	4	8496431	C	G	0.507952	-0.0044582	0.00805329	0.579864	-0.375534	0.0463265	5.22E-16	0.0118715	0.0214949	0.5807447	0.1472426	20	0.90016805
ENSG00000248698	4	LINC01085	14113592	rs3846403	4	14127916	T	C	0.489066	0.00043204	0.00809454	0.957434	0.458493	0.0773226	3.04E-09	0.00094231	0.0176554	0.9574353	0.0240187	13	0.99428844
ENSG00000237765	4	FAM200B	15683285	rs9990752	4	15649079	C	T	0.50497	-0.0023547	0.00805474	0.770031	-0.226984	0.0395997	9.93E-09	0.0103738	0.0355321	0.7703208	0.4440878	3	0.96074603
ENSG00000004468	4	CD38	15779898	rs4698413	4	15737882	T	C	0.562624	0.00235747	0.0081332	0.771925	-0.443776	0.0543606	3.25E-16	-0.0053123	0.0183388	0.7720648	0.5984644	8	0.96074603
ENSG00000007062	4	PROM1	15964699	rs13129560	4	16063834	A	G	0.748509	-0.0053849	0.00866952	0.534513	0.378545	0.0679235	2.50E-08	-0.0142253	0.023044	0.5370301	0.5308334	8	0.88747737
ENSG00000249506	4	ZEB2P1	16362309	rs7673302	4	16411757	A	G	0.26839	-0.0082691	0.00899659	0.358026	1.25478	0.106417	4.33E-32	-0.0065901	0.0071916	0.3594818	0.5266045	17	0.83476283
ENSG00000118579	4	MED28	17616254	rs10019856	4	17615742	A	T	0.634195	-0.0079847	0.00870481	0.358996	0.340463	0.0552392	7.12E-10	-0.0234526	0.0258492	0.3642554	0.2898156	15	0.8352928
ENSG00000163138	4	PACRGL	20697905	rs62410096	4	20693070	A	C	0.082505	-0.0026313	0.0147037	0.857973	-1.01731	0.117677	5.38E-18	0.00258653	0.0144566	0.8580032	0.3581166	20	0.976398
ENSG00000053900	4	ANAPC4	25378835	rs2090116	4	25374371	G	T	0.654076	0.0125934	0.00879548	0.152199	-0.384427	0.0492157	5.67E-15	-0.0327589	0.0232607	0.1590308	0.3168314	20	0.71666927
ENSG00000091490	4	SEL1L3	25749055	rs78468534	4	25935214	A	G	0.187873	0.00461427	0.00971696	0.634882	-0.416462	0.0679432	8.81E-10	-0.0110797	0.0234021	0.6358929	0.775256	15	0.92409663
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.87775	0.0788194	8.36E-29	0.00256317	0.00931876	0.7832744	0.2370337	20	0.96344804
ENSG00000169299	4	PGM2	37828255	rs2059483	4	37828186	T	C	0.593439	0.00105421	0.00820681	0.897788	-0.506562	0.0486196	2.03E-25	-0.0020811	0.0162022	0.8977962	0.9187862	20	0.9841919
ENSG00000249863	4	RP11-177C12.1	37869913	rs6531591	4	37858954	T	C	0.602386	0.00336011	0.00832014	0.686322	-0.513326	0.0923777	2.75E-08	-0.0065458	0.016251	0.6871026	0.9641867	12	0.93988406
ENSG00000231160	4	RP11-617D20.1	38614322	rs191414	4	38633297	T	C	0.129225	-0.0162284	0.0116588	0.163939	-0.611295	0.0855517	8.98E-13	0.0265476	0.0194308	0.1718569	0.8414082	5	0.72148239
ENSG00000163682	4	RPL9	39455744	rs2687958	4	39459724	C	T	0.67992	0.00023959	0.00844861	0.977376	-0.729523	0.0500215	3.54E-48	-0.0003284	0.011581	0.9773759	0.7137723	20	0.99453968
ENSG00000224097	4	RP11-472B18.1	39481875	rs11940979	4	39477017	A	G	0.348907	-0.0049929	0.00822192	0.543675	0.59176	0.0736008	8.97E-16	-0.0084373	0.0139336	0.5448204	0.8526658	14	0.88843971
ENSG00000014824	4	SLC30A9	41992489	rs1507086	4	41956413	T	C	0.737575	0.00683329	0.00999634	0.494241	-0.277474	0.0443502	3.94E-10	-0.0246268	0.0362406	0.4967988	0.838445	20	0.87805165
ENSG00000251350	4	RP11-328N19.1	44018878	rs73177815	4	44018286	G	C	0.178926	0.00015615	0.0100937	0.987657	0.97179	0.0862091	1.79E-29	0.00016069	0.0103867	0.9876569	0.4852396	20	0.99624056
ENSG00000151806	4	GUF1	44680444	rs11724396	4	44725334	C	G	0.244533	-0.0205507	0.0105638	0.0517285	-0.741726	0.0633718	1.21E-31	0.0277066	0.0144376	0.05497655	0.6229804	20	0.54679043
ENSG00000163281	4	GNPDA2	44684217	rs62305368	4	44673826	C	T	0.244533	-0.0205483	0.0105638	0.0517547	0.560577	0.0599826	9.13E-21	-0.0366556	0.0192484	0.05686455	0.3353604	20	0.55393262
ENSG00000170448	4	NFXL1	47849257	rs2351789	4	47658647	C	G	0.981113	-0.0634829	0.040019	0.112667	-1.1536	0.176482	6.29E-11	0.0550303	0.0356975	0.1231773	0.7974288	8	0.67561509
ENSG00000163293	4	NIPAL1	47916159	rs98270	4	48019323	A	G	0.362823	0.00184459	0.00904027	0.838321	0.28761	0.0425415	1.37E-11	0.00641351	0.0314467	0.8383937	0.5418219	6	0.97084981
ENSG00000198515	4	CNGA1	47937994	rs321645	4	48008920	G	A	0.239563	0.00337932	0.0108055	0.754479	0.85105	0.0967629	1.43E-18	0.00397077	0.0127047	0.7546277	0.9187789	15	0.95763896
ENSG00000248184	4	RP11-231C18.1	55199059	rs11725753	4	55230291	A	G	0.508946	0.0047217	0.00815355	0.562524	0.417984	0.0741777	1.75E-08	0.0112964	0.0196096	0.5645724	0.2434051	4	0.89445177
ENSG00000128039	4	SRD5A3	56212276	rs36110240	4	56217015	T	C	0.152087	0.00688796	0.0114885	0.548805	0.515635	0.0764602	1.54E-11	0.0133582	0.0223682	0.5503758	0.1204097	9	0.89134276
ENSG00000174780	4	SRP72	57333081	rs6554358	4	57372576	A	T	0.2167	0.00407725	0.00947088	0.66683	-0.415995	0.0610904	9.79E-12	-0.0098012	0.0228123	0.6674531	0.3350143	10	0.93322639
ENSG00000163453	4	IGFBP7	57896939	rs4242004	4	57953278	A	C	0.645129	0.00499866	0.0082558	0.544865	0.387403	0.0459671	3.52E-17	0.012903	0.0213655	0.5458995	0.2664051	20	0.88843971
ENSG00000145241	4	CENPC	68337521	rs116328570	4	68343981	G	C	0.275348	0.0237539	0.00872742	0.00649367	0.422857	0.0772836	4.46E-08	0.0561748	0.0230517	0.0148138	0.8393038	7	0.3522782

ENSG00000033178	4	UBA6	68478370	rs35249671	4	68580776	C	A	0.256461	0.00700819	0.00930036	0.451126	-0.296639	0.0494696	2.02E-09	-0.0236253	0.031599	0.4546657	0.4006156	4	0.86824012
ENSG00000138744	4	NAAA	76831809	rs11931349	4	76860040	A	G	0.425447	-0.0094024	0.00811079	0.246354	0.511326	0.0672252	2.82E-14	-0.0183883	0.0160454	0.2517886	0.1794348	12	0.77138636
ENSG00000138750	4	NUP54	77035812	rs58695482	4	77060903	T	C	0.131213	-0.0063148	0.0120792	0.601124	0.590748	0.0687732	8.71E-18	-0.0106895	0.0204851	0.6017974	0.5695446	20	0.91118981
ENSG00000189157	4	FAM47E	77135193	rs1876540	4	77190902	C	T	0.406561	-0.002111	0.0081231	0.794959	-0.508635	0.0473146	5.92E-27	0.00415032	0.0159751	0.7950179	0.4869486	20	0.96351947
ENSG00000118804	4	FAM47E-STBD1	77172886	rs28636389	4	77175695	A	G	0.142147	0.0238622	0.0110748	0.0311903	-0.508027	0.0655462	9.14E-15	-0.0469703	0.0226263	0.03790154	0.2760103	15	0.49915936
ENSG00000138767	4	CNOT6L	78634541	rs11723029	4	78711706	A	G	0.90159	-0.0116916	0.0120374	0.331414	0.399573	0.0609444	5.51E-11	-0.0292602	0.0304544	0.3366591	0.6079027	15	0.82007347
ENSG00000138772	4	ANXA3	79472673	rs1587222	4	79515724	G	A	0.734592	-0.0020878	0.00871195	0.810608	-0.270993	0.0495036	4.39E-08	0.00770407	0.032179	0.8107855	0.02739361	8	0.96552943
ENSG00000163291	4	PAQR3	79808281	rs6843690	4	79859469	T	A	0.869781	-0.0060371	0.0119332	0.612923	-0.399635	0.0474084	3.47E-17	0.0151065	0.029914	0.61356	0.2302844	17	0.91423182
ENSG00000249242	4	TMEM150C	83404323	rs1961007	4	83642947	T	C	0.406561	-0.0076293	0.00849606	0.369194	0.371222	0.0600495	6.33E-10	-0.0205519	0.0231269	0.3741876	0.6687617	5	0.83748989
ENSG00000251022	4	THAP9-AS1	83814162	rs2305876	4	83821324	G	A	0.244533	-0.0193563	0.00989471	0.0504382	-0.555817	0.0560124	3.30E-23	0.034825	0.0181447	0.05494798	0.4448131	17	0.54679043
ENSG00000145287	4	PLAC8	84011201	rs13122305	4	84152973	A	G	0.693837	-0.0096665	0.00924744	0.295875	0.517342	0.0740051	2.74E-12	-0.018685	0.0180736	0.3012178	0.6133421	16	0.80382121
ENSG00000163623	4	NKX6-1	85413140	rs1921848	4	85036481	T	G	0.411531	0.0177379	0.00869151	0.0412677	0.317525	0.0553435	9.62E-09	0.055863	0.0290528	0.05450431	0.542128	7	0.54679043
ENSG00000109339	4	MAPK10	86936276	rs10002407	4	86943714	T	G	0.193837	0.0101931	0.0118587	0.39004	0.269499	0.0413302	7.00E-11	0.0378224	0.0443834	0.3941174	0.751506	9	0.8477398
ENSG00000163629	4	PTPN13	87515468	rs28634740	4	87693018	A	G	0.11332	0.00158939	0.0146459	0.913583	-0.763483	0.0874641	2.57E-18	-0.0020818	0.0191845	0.913589	0.6756864	11	0.985717
ENSG00000172493	4	AFF1	87856154	rs35658582	4	88065922	T	A	0.183897	-0.0065522	0.0118181	0.579295	-0.23557	0.0370374	2.01E-10	0.027814	0.0503583	0.5807276	0.9088531	8	0.90016805
ENSG00000170509	4	HSD17B13	88224941	rs62305678	4	88184928	G	A	0.153082	-0.0163593	0.0129486	0.206446	-0.693036	0.107562	1.17E-10	0.0236053	0.0190397	0.2150519	0.6043269	13	0.75136482
ENSG00000272856	4	RP11-710E1.2	88381959	rs76460348	4	88428303	T	C	0.120278	0.00289976	0.0114806	0.800594	0.634943	0.114192	2.69E-08	0.00456696	0.0181	0.8007945	0.6793521	3	0.96455314
ENSG00000118762	4	PKD2	88928820	rs11728697	4	88898941	T	C	0.55666	0.0171772	0.00808664	0.0336574	-0.207371	0.0376406	3.60E-08	-0.0828332	0.0417941	0.04748669	0.5588774	6	0.52621691
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	1.02908	0.0823971	8.54E-36	-0.0132189	0.00802427	0.09948336	0.2086576	16	0.64834522
ENSG00000138722	4	MMRN1	90800683	rs76707913	4	90835226	C	T	0.0377734	0.00933161	0.0240819	0.69839	1.231	0.183313	1.88E-11	0.00758051	0.0195954	0.6988663	0.9753794	16	0.94421269
ENSG00000163110	4	PDLIM5	95373037	rs1048627	4	95587587	C	T	0.428429	0.00302333	0.00805414	0.70738	0.173192	0.0248438	3.14E-12	0.0174565	0.0465715	0.7077848	0.8705386	19	0.94504139
ENSG00000272777	4	RP11-571L19.8	99988407	rs111294979	4	99981615	C	T	0.0258449	-0.0084115	0.0225179	0.70874	0.89681	0.157154	1.15E-08	-0.0093794	0.0251626	0.7093336	0.8169606	6	0.94504139
ENSG00000246090	4	RP11-696N14.1	100010008	rs75238346	4	100030570	T	C	0.028827	-0.0097864	0.0196301	0.618105	0.827894	0.146518	1.60E-08	-0.0118208	0.023803	0.6194642	0.5072218	3	0.91768182
ENSG00000248144	4	ADH1C	100257649	rs10031168	4	100281893	C	T	0.258449	0.00716982	0.0100534	0.47574	0.60891	0.102661	3.01E-09	0.0117748	0.0166294	0.4788996	0.4329461	4	0.87557203
ENSG00000109270	4	LAMTOR3	100799493	rs11939538	4	100834618	A	G	0.276342	6.07E-05	0.00917467	0.994724	-0.323928	0.0518242	4.09E-10	-0.0001873	0.0283232	0.994724	0.6238756	14	0.99818905
ENSG00000254531	4	AP001816.1	102268937	rs2583391	4	102267453	A	G	0.290258	0.0198499	0.00826649	0.0163395	-0.3191	0.0403615	2.66E-15	-0.0622059	0.0270742	0.0215839	0.00148271	19	0.40630032
ENSG00000164039	4	BDH2	104000592	rs6830624	4	104020422	C	T	0.293241	-0.0016966	0.00962065	0.860019	0.256747	0.0396707	9.67E-11	-0.0066081	0.0374852	0.8600697	0.6459247	8	0.97675342
ENSG00000138777	4	PPA2	106290234	rs1994636	4	106362011	G	A	0.590457	-0.0078513	0.00806384	0.330232	0.358648	0.0468325	1.89E-14	-0.0218915	0.022665	0.3341085	0.4735744	13	0.81834848
ENSG00000109534	4	GAR1	110736666	rs10365	4	110745854	G	C	0.647117	-0.0110425	0.00819385	0.177768	0.519909	0.0656061	2.29E-15	-0.0212393	0.0159864	0.1839856	0.02424482	20	0.7281464
ENSG00000174749	4	C4orf32	113066553	rs4834222	4	113074745	C	T	0.375746	0.0164526	0.00848894	0.0526078	-0.282712	0.043844	1.13E-10	-0.0581956	0.0313538	0.06344043	0.7268084	10	0.5674036
ENSG00000236922	4	AC092661.1	118349552	rs68096032	4	118352364	G	A	0.117296	-0.0169699	0.0110796	0.12561	0.455916	0.0761109	2.10E-09	-0.0372216	0.0250837	0.1378367	0.8927539	5	0.69967108
ENSG00000269893	4	SNHG8	119199864	rs687299	4	119192491	C	G	0.527833	-0.0171785	0.00805858	0.0330309	0.283071	0.044986	3.13E-10	-0.0606862	0.0300577	0.04348803	0.3183245	16	0.52029162
ENSG00000260404	4	RP11-384K6.6	119512928	rs10006526	4	119515483	G	C	0.338966	0.00652874	0.0080908	0.419705	-0.468962	0.0536625	2.35E-18	-0.0139217	0.017326	0.4216767	0.2043188	20	0.86347566
ENSG00000249244	4	RP11-548H18.2	120312986	rs11944880	4	120159334	T	C	0.303181	-0.007917	0.00914085	0.38643	0.781426	0.0878532	5.86E-19	-0.0101315	0.011753	0.3886695	0.5073086	13	0.84743529
ENSG00000245958	4	RP11-33B1.1	120375946	rs6849171	4	120409549	A	G	0.285288	-0.0147836	0.00932503	0.112883	-0.907693	0.0683775	3.24E-40	0.016287	0.0103463	0.1154456	0.9062098	9	0.66853336
ENSG00000164111	4	ANXA5	122589110	rs13109053	4	122599447	A	G	0.312127	0.00512921	0.00900707	0.56904	-0.51893	0.0429844	1.48E-33	-0.0098842	0.0173763	0.5694699	0.4837745	19	0.89672307
ENSG00000138688	4	KIAA1109	123073488	rs72687029	4	123113352	G	A	0.240557	0.00914719	0.00847156	0.280252	-0.36337	0.0601056	1.49E-09	-0.0251732	0.0236828	0.2878126	0.0980284	4	0.79695678
ENSG00000224786	4	CETN4P	123651703	rs309357	4	123653576	T	G	0.323062	-0.0018904	0.00884776	0.830816	0.488601	0.0829006	3.77E-09	-0.0038689	0.0181202	0.8309253	0.4322007	4	0.96886511
ENSG00000151470	4	C4orf33	130014472	rs1709416	4	130031650	A	G	0.322068	0.00293981	0.00842423	0.727111	-0.567609	0.0729116	6.98E-15	-0.0051793	0.0148565	0.7273741	0.9068166	20	0.94808052
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.22459	0.0902012	5.54E-42	-0.007689	0.0116281	0.5084597	0.2991521	13	0.8783337
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.14753	0.109577	1.16E-25	-0.0082053	0.012419	0.5088017	0.4059368	9	0.8783337
ENSG00000248795	4	RP11-173E2.1	139481858	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.8349	0.137343	1.21E-09	-0.0112778	0.0171361	0.5104531	0.7514325	4	0.8783337
ENSG00000236296	4	GUSBP5	144480625	rs17747275	4	144496280	G	A	0.210736	-0.003433	0.00974441	0.724613	0.682993	0.10395	5.02E-11	-0.0050264	0.0142877	0.7249912	0.08921392	3	0.94753093
ENSG00000251600	4	RP11-673E1.1	144833484	rs7680256	4	144776967	G	T	0.654076	-0.0005742	0.00851622	0.946247	0.807949	0.100027	6.62E-16	-0.0007106	0.0105409	0.9462488	0.5072666	3	0.99289521
ENSG00000250673	4	RP11-6L6.2	147145709	rs6821863	4	147128199	C	T	0.352883	0.00086487	0.0084194	0.918182	0.675225	0.0835683	6.48E-16	0.00128086	0.01247	0.9181891	0.03138647	12	0.98647463
ENSG00000109686	4	SH3D19	152023903	rs62327175	4	152291478	C	T	0.409543	-0.0027553	0.00829641	0.73981	0.230578	0.0417575	3.35E-08	-0.0119495	0.0360459	0.7402614	0.367056	9	0.95056973
ENSG00000164144	4	ARFIP1	153701089	rs112473318	4	153788113	T	C	0.346918	-0.0059742	0.00810572	0.461101	0.363994	0.0661859	3.81E-08	-0.0164129	0.0224679	0.4650821	0.8389627	11	0.87345602
ENSG00000250538	4	RP11-92A5.2	156127681	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.45155	0.152796	2.10E-21	0.0169225	0.0101818	0.09650781	0.1550359	10	0.64834522
ENSG00000185149	4	NPY2R	156129781	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.57626	0.143872	6.22E-28	0.0155836	0.0093406	0.09524181	0.2033755	12	0.64788751
ENSG00000256043	4	CTSO	156845270	rs2292538	4	156874833	A	G	0.345924	0.00592356	0.00852567	0.487186	-0.360543	0.0461502	5.61E-15	-0.0164296	0.0237401	0.4888999	0.4697215	7	0.87805165
ENSG00000248429	4	RP11-597D13.9	159091904	rs2346784	4	159065799	T	C	0.849901	-0.0143316	0.0111066	0.196924	0.64256	0.0921255	3.06E-12	-0.0223039	0.0175782	0.2044993	0.4712344	6	0.74217028
ENSG00000171503	4	ETFDH	159593277	rs6845779	4	159460722	A	G	0.131213	-0.0206899	0.0152356	0.174464	-0.408581	0.0557848	2.40E-13	0.0506384	0.0379246	0.1817978	0.05315637	5	0.72535925
ENSG00000273449	4	RP11-218F10.3	164450923	rs958855	4	164451641	G	A	0.580517	-0.0075382	0.00830091	0.363819	-0.65615	0.0858266	2.09E-14	0.0114885	0.0127399	0.3671775	0.5099717	13	0.8352928
ENSG00000250486	4	FAM218A	165878100	rs3196673	4	165878609	A	T	0.309145	-0.0126022	0.00971534	0.194583	0.528259	0.0827061	1.69E-10	-0.0238561	0.0187667	0.2036593	0.5551125	11	0.74217028
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.521297	0.0446248	1.58E-31	0.00035853	0.0157115	0.9817945	0.6049192	19	0.99524087
ENSG00000248174	4	RP11-148L24.1	175015811	rs60611867	4	175041460	T	G	0.249503	0.00870729	0.00885363	0.325376	0.971225	0.10146	1.04E-21	0.00896527	0.00916393	0.3279153	0.5755565	13	0.81680644
ENSG00000249106	4	RP11-806K15.1	176711458	rs78640136	4	176721419	G	A	0.0447316	0.0536789	0.0178709	0.0026671	-0.941825	0.152797	7.10E-10	-0.0569946	0.0211078	0.00693048	0.2620506	7	0.28385138
ENSG00000164122	4	ASB5	177134824	rs2046262	4	177150925	G	A	0.472167	-0.0017563	0.00807472	0.827813	0.74342	0.0881277	3.29E-17	-0.0023625	0.0108652	0.8278694	0.9216497	18	0.96861312
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.608878	0.0621392	1.14E-22	-0.008291	0.0135865	0.5417046	0.5647614	9	0.88821024
ENSG00000251504	4	RP11-162G9.1	178650792	rs586352	4	179018225	C	A	0.663022	-0.0034263	0.0085846	0.689803	-0.611914	0.0973295	3.24E-10	0.00559935	0.0140573	0.6903927	0.8705959	11	0.94094425
ENSG00000271538	4	RP11-326I11.4	185427614	rs13111483	4	185458566	G	A	0.662028	-0.0038437	0.00823148	0.640531	-0.617986	0.0842151	2.17E-13	0.00621978	0.0133468	0.6412058	0.4477398	5	0.92525205
ENSG00000151725	4	MLF1IP	185615772	rs4862406	4	185629339	A	G	0.691849	0.0109176	0.00881447	0.215493	0.561676	0.0869725	1.06E-10	0.0194375	0.0159792	0.2238214	0.5963425	20	0.75840867
ENSG00000109775	4	UFSP2	186320694	rs2289720	4	186347055	A	G	0.710736	-0.0167689	0.0095778	0.0799779	0.926177	0.0729772	6.61E-37	-0.0181055	0.0104392	0.08285009	0.8562224	20	0.61833179
ENSG00000109794	4	FAM149A	187025573	rs4861705	4	187099852	A	G	0.593439	-0.0025811	0.00805107	0.748524	0.59748	0.0545504	6.44E-28	-0.0043199	0.0134808	0.7486291	0.1892203	20	0.95384439
ENSG00000145476	4	CYP4V2	187112674	rs7663027	4	187112629	C	G	0.370775	0.00708736	0.00825851	0.390788	-0.320904	0.0505264	2.14E-10	-0.0220856	0.025969	0.3950694	0.06717764	16	0.8477398
ENSG00000164344	4	KLKB1	187130133	rs4253333	4	187180115	A	G	0.323062	0.00579887	0.00909846	0.5239	0.423251	0.0668229	2.39E-10	0.0137008	0.0216052	0.5259869	0.5952787	7	0.88267514
ENSG00000088926	4	F11	187187099	rs4253331	4	187179135	C	T	0.0785288	0.00093999	0.0175493	0.957283	1.19295	0.164597	4.24E-13	0.00078796	0.0147112	0.9572846	0.8178207	9	0.99428844
ENSG00000245685	4	AF146191.4	190701490	rs12646649	4	190812858	C	T	0.666998	0.0165868	0.00871799	0.0570939	-0.564441	0.102742	3.93E-08	-0.0293862	0.0163454	0.07220331	0.5661641	20	0.58788723
ENSG00000164366	5	CCDC127	196986	rs6896634	5	208887	G	A	0.149105	0.0108606	0.0103052	0.291934	0.504378	0.0818239	7.08E-10	0.0215327	0.020728	0.2988877	0.7536915	8	0.80291535
ENSG00000063438	5	AHRR	304291	rs13171879	5	197281	A	G	0.763419	0.00684831	0.0104722	0.513145	-0.633659	0.109386	6.92E-09	-0.0108076	0.0166315	0.515806	0.09876591	19	0.88027463
ENSG00000221990	5	C5orf55	441645	rs890985	5	479746	G	C	0.798211	0.00011536	0.011362	0.991899	0.544569	0.0790719	5.70E-12	0.00021183	0.0208642	0.9918993	0.0177554	16	0.9976981
ENSG00000180104	5	EXOC3	443273	rs13356700	5	477719	G	A	0.507952	0.0198069	0.00810736	0.0145626	-0.443287	0.0624594	1.27E-12	-0.0446819	0.0193425	0.02088578	0.8323796	17	0.3992726
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	1.07437	0.0811699	5.43E-40	0.00311741	0.00827605	0.7064127	0.246079	20	0.94504139
ENSG00000066230	5	SLC9A3	473425	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.810771	0.0806953	9.44E-24	0.00413094	0.01097	0.7064961	0.1164778	20	0.94504139
ENSG00000171368	5	TPPP	660883	rs11738281	5	662547	C	T	0.195825	0.0123398	0.0118671	0.298421	0.392679	0.0537076	2.64E-13	0.0314246	0.030525	0.3032572	0.6055353	20	0.80442017
ENSG00000188818	5	ZDHHC11	710471	rs143625124	5	880693	A	G	0.0586481	-0.0241908	0.0200512	0.227644	1.04141	0.185994	2.15E-08	-0.0232289	0.0196958	0.2382452	0.1734072	3	0.76866335
ENSG00000249201	5	CTD-3080P12.3	1173256	rs4246740	5	1186086	T	C	0.435388	0.00300139	0.00812478	0.711821	-0.568201	0.0902253	3.02E-10	-0.0052823	0.0143237	0.7122933	0.8021467	3	0.94634312
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.09972	0.0680579	9.88E-59	0.00370815	0.0076109	0.6261051	0.802052	20	0.91838156
ENSG00000250490	5	CTD-2324F15.2	6310554	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	0.592028	0.0682252	4.04E-18	0.0042358	0.0136091	0.7556128	0.07894454	18	0.95814517
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-0.956765	0.0670924	3.86E-46	-0.0006162	0.00850594	0.9422528	0.4491771	20	0.99244418
ENSG00000250060	5	RP11-332J15.2	6868672	rs275430	5	6870971	G	A	0.617296	0.0129709	0.00883638	0.14213	0.656514	0.0889272	1.55E-13	0.0197572	0.013723	0.1499482	0.9292354	6	0.71143783
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.45629	0.0539446	2.71E-17	-0.0105751	0.0179375	0.5554898	0.4480763	14	0.89377419
ENSG00000272049	5	RP11-480D4.6	8445062	rs6555548	5	8446336	G	A	0.698807	-0.0005685	0.00890641	0.949109	0.680375	0.107362	2.34E-10	-0.0008355	0.0130911	0.9491114	0.4669974	3	0.99289521
ENSG00000250786	5	SNHG18	9546312	rs59758866	5	9546372	G	C	0.300199	-0.0004098	0.0098573	0.966837	-0.634673	0.0702723	1.69E-19	0.00064572	0.0155315	0.9668375	0.8994425	11	0.99428844
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.643638	0.0991633	8.54E-11	-0.0078935	0.0134455	0.5571565	0.784668	4	0.89377419
ENSG00000272324	5	CTD-2154B17.4	10761177	rs11740255	5	10760890	C	G	0.642147	-0.0016584	0.00841679	0.843801	0.75534	0.0822392	4.13E-20	-0.0021956	0.0111456	0.8438368	0.1569158	10	0.97214076
ENSG00000271892	5	CTD-2228A4.1	17107469	rs632754	5	17145142	A	G	0.34493	-0.0007489	0.00880559	0.932227	0.632325	0.098315	1.26E-10	-0.0011843	0.013927	0.9322328	0.6067256	8	0.99052049
ENSG00000248455	5	RP11-321E2.3	17404128	rs17626779	5	17404430	C	G	0.242545	0.00595186	0.0096271	0.536418	-0.541348	0.0930385	5.94E-09	-0.0109945	0.0178837	0.5387003	0.7297392	4	0.88747737
ENSG00000183666	5	GUSBP1	21341942	rs35915996	5	21571148	T	C	0.137177	-0.0239095	0.0144479	0.097949	1.54404	0.136888	1.66E-29	-0.015485	0.00945738	0.1015576	0.3155368	20	0.64961631
ENSG00000272130	5	RP11-360I2.1	21569864	rs75158803	5	21573069	G	A	0.140159	-0.0228409	0.0139964	0.102698	1.4614	0.152512	9.50E-22	-0.0156295	0.00971529	0.1076713	0.2660654	17	0.65854606
ENSG00000113360	5	DROSHA	31400604	rs4867064	5	31398834	T	C	0.769384	-0.0103764	0.0100952	0.304022	-0.245531	0.0446486	3.82E-08	0.0422611	0.0418278	0.312324	0.00643146	3	0.80584798
ENSG00000224282	5	CTD-2290C23.1	31822668	rs10038413	5	31823644	G	A	0.605368	-0.0113522	0.00813358	0.1628	-0.54308	0.0867156	3.78E-10	0.0209034	0.0153442	0.1731034	0.9697904	4	0.72148239
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-0.928181	0.110343	4.04E-17	-0.0093136	0.0104865	0.3744584	0.08577254	17	0.83748989
ENSG00000151388	5	ADAMTS12	33523640	rs6865823	5	33794113	T	C	0.17495	-0.001448	0.00946779	0.87845	-0.605477	0.0823038	1.89E-13	0.00239142	0.0156403	0.8784761	0.1775655	20	0.97700295
ENSG00000242110	5	AMACR	33986283	rs10941112	5	34004707	T	C	0.503976	-0.0141563	0.00810468	0.0806938	0.860824	0.0643445	8.09E-41	-0.0164451	0.00949493	0.08327661	0.6866696	20	0.61833179
ENSG00000113494	5	PRLR	35048861	rs7707145	5	35204582	T	A	0.696819	-0.0191674	0.00836868	0.0219999	0.382867	0.047392	6.54E-16	-0.0500628	0.0227194	0.02755747	0.452395	19	0.4538879
ENSG00000152582	5	SPEF2	35617946	rs10064667	5	35707708	A	G	0.508946	0.0001762	0.0080781	0.982598	-0.186478	0.0325421	1.00E-08	-0.0009449	0.0433196	0.9825982	0.1306477	20	0.9953869
ENSG00000247796	5	CTD-2366F13.1	52405672	rs62359378	5	52414791	A	G	0.324056	0.00720601	0.00858943	0.401503	0.549341	0.0718618	2.10E-14	0.0131176	0.0157298	0.4043191	0.03210593	9	0.85476009
ENSG00000152669	5	CCNO	54526980	rs231622	5	54528590	A	G	0.311133	0.0156952	0.0082321	0.0565744	-0.69014	0.0696878	4.03E-23	-0.0227421	0.0121472	0.06117822	0.1622505	20	0.5583788
ENSG00000152670	5	DDX4	55033845	rs3846512	5	55022038	C	T	0.587475	0.010909	0.00841774	0.194992	0.462393	0.0812202	1.25E-08	0.0235925	0.0186704	0.2063638	0.8822717	5	0.74459521
ENSG00000155542	5	SETD9	56205087	rs185220	5	56205357	G	A	0.837972	-0.0059765	0.0106623	0.575119	1.1641	0.0991969	8.41E-32	-0.005134	0.00916971	0.5755565	0.2475828	20	0.89957869
ENSG00000271828	5	CTD-2310F14.1	56223701	rs62355902	5	56053723	T	A	0.149105	0.0268795	0.0119396	0.0243674	0.851939	0.123844	6.02E-12	0.031551	0.014746	0.03238512	0.7344997	13	0.48327225
ENSG00000178722	5	C5orf64	60933535	rs153379	5	61002805	A	T	0.331014	-0.0051426	0.00921721	0.576891	-0.480145	0.0688336	3.05E-12	0.0107105	0.019258	0.5781041	0.03027933	5	0.89957869
ENSG00000113593	5	PPWD1	64859063	rs460262	5	64863832	G	T	0.620278	0.0060763	0.00839684	0.469286	-0.451376	0.0607465	1.08E-13	-0.0134617	0.0186908	0.471381	0.8378014	14	0.8735513
ENSG00000153044	5	CENPH	68485375	rs2930945	5	68514703	G	A	0.540755	0.00659622	0.00815389	0.418534	-0.454551	0.0690948	4.75E-11	-0.0145115	0.0180735	0.422022	0.9320575	14	0.86347566
ENSG00000253203	5	GUSBP3	68790040	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.895193	0.0976137	4.70E-20	-0.0089572	0.0120167	0.4560319	0.2114029	5	0.86824012
ENSG00000226259	5	GTF2H2B	69711179	rs10058698	5	70670771	C	A	0.636183	-0.0136879	0.00860533	0.111693	-0.949182	0.10022	2.77E-21	0.0144207	0.00919302	0.1167269	0.0050862	6	0.66853336
ENSG00000253333	5	RP11-497H16.8	69790927	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.861778	0.0818484	6.35E-26	-0.0093045	0.0124727	0.4556725	0.03372484	7	0.86824012
ENSG00000172058	5	SERF1A	70196492	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.00258	0.108169	1.89E-20	-0.0079978	0.0107289	0.4560007	0.02178745	5	0.86824012
ENSG00000145736	5	GTF2H2	70330784	rs7710143	5	70675730	G	A	0.642147	-0.0097576	0.00871128	0.262668	-0.889191	0.102693	4.77E-18	0.0109735	0.00987849	0.2666324	0.05694054	4	0.78131464
ENSG00000230847	5	RP11-195E2.1	70370052	rs7710143	5	70675730	G	A	0.642147	-0.0097576	0.00871128	0.262668	-0.764269	0.0854835	3.87E-19	0.0127672	0.0114873	0.266388	0.05888705	3	0.78131464
ENSG00000131844	5	MCCC2	70883115	rs7379017	5	70939130	C	T	0.766402	0.00036254	0.00962558	0.969955	0.283601	0.0483088	4.34E-09	0.00127835	0.0339413	0.9699559	0.3534751	4	0.99428844
ENSG00000131711	5	MAP1B	71403061	rs72761109	5	71506529	T	C	0.311133	0.014635	0.00901952	0.104676	0.452668	0.0683152	3.45E-11	0.0323305	0.0205139	0.1150196	0.9922912	11	0.66853336
ENSG00000157111	5	TMEM171	72416119	rs602307	5	72412780	A	T	0.416501	0.0158414	0.00823095	0.0542788	0.638513	0.0729168	2.01E-18	0.0248098	0.0131985	0.06014249	0.515083	9	0.55445831
ENSG00000164338	5	UTP15	72861268	rs343112	5	72880699	T	C	0.218688	-0.0177075	0.00929611	0.0568015	-0.415028	0.0724327	1.01E-08	0.0426658	0.023604	0.07067449	0.6458328	5	0.58502041
ENSG00000049860	5	HEXB	73935848	rs2936918	5	73980799	C	G	0.574553	-0.0098253	0.00833667	0.238574	-0.328331	0.0397968	1.58E-16	0.0299248	0.0256488	0.243326	0.4724536	8	0.76866335
ENSG00000164346	5	NSA2	74062817	rs72764663	5	74082520	A	G	0.137177	-0.0152049	0.0126004	0.227546	1.2677	0.0769081	4.84E-61	-0.0119941	0.00996618	0.2287909	0.03693115	20	0.76373142
ENSG00000164253	5	WDR41	76721795	rs335628	5	76729538	G	C	0.846918	-0.0020378	0.0117659	0.862497	0.646615	0.0945049	7.80E-12	-0.0031515	0.018202	0.8625407	0.7758466	20	0.97675342
ENSG00000113273	5	ARSB	78073032	rs112745438	5	78167984	G	A	0.367793	0.00250387	0.00848564	0.767939	0.469202	0.0741314	2.46E-10	0.00533644	0.0181049	0.7681839	0.6405812	4	0.96074603
ENSG00000132837	5	DMGDH	78293438	rs2131977	5	78613916	C	G	0.641153	-0.0045667	0.00821957	0.578492	-0.411246	0.0584233	1.94E-12	0.0111046	0.0200492	0.5796697	0.5372779	11	0.89957869
ENSG00000145692	5	BHMT	78407602	rs1664554	5	78442715	A	G	0.327038	0.00057698	0.00821677	0.944019	0.639609	0.0958507	2.51E-11	0.00090208	0.0128473	0.9440221	0.292766	20	0.99247344
ENSG00000164300	5	SERINC5	79407050	rs35820499	5	79456087	C	T	0.170974	0.00598193	0.0106485	0.574278	0.2732	0.0492266	2.86E-08	0.0218958	0.0391761	0.5762253	0.1979082	9	0.89957869
ENSG00000228716	5	DHFR	79922047	rs1650672	5	79959734	G	T	0.255467	0.00648854	0.00968097	0.502707	-0.669591	0.0738027	1.16E-19	-0.0096903	0.0144974	0.5038686	0.8856832	20	0.8783337
ENSG00000247572	5	CKMT2-AS1	80499903	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	1.18532	0.106551	9.54E-29	-0.0115765	0.00857157	0.1768321	0.5202747	10	0.72148239
ENSG00000248794	5	CTD-2248H3.1	80538149	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	1.00688	0.112797	4.40E-19	-0.0136281	0.0101317	0.1785923	0.4843311	17	0.72148239
ENSG00000152348	5	ATG10	81267844	rs17245188	5	81469082	T	G	0.225646	0.00478943	0.00991676	0.629122	0.729753	0.0951456	1.72E-14	0.00656308	0.0136161	0.6297999	0.3301423	20	0.91919508
ENSG00000186468	5	RPS23	81569177	rs226198	5	81573992	T	C	0.765408	-0.008007	0.00983599	0.415616	0.750713	0.0624995	3.09E-33	-0.0106659	0.0131323	0.4166837	0.4599052	20	0.86117441
ENSG00000205464	5	ATP6AP1L	81575281	rs178931	5	81575601	A	T	0.701789	-0.005667	0.0087136	0.51546	-0.823986	0.0617706	1.36E-40	0.00687751	0.0105875	0.5159586	0.6855919	20	0.88027463
ENSG00000249664	5	CTD-2227C6.2	82308104	rs10051445	5	82356099	G	A	0.459245	0.00310573	0.00807376	0.700482	0.755097	0.095283	2.29E-15	0.00411302	0.0107049	0.7008175	0.00602071	20	0.94421269
ENSG00000174695	5	TMEM167A	82348665	rs7720588	5	82376926	T	C	0.388668	-0.0015321	0.00816218	0.85111	-0.241773	0.0402118	1.83E-09	0.00633677	0.0337761	0.8511817	0.0187115	3	0.97373113
ENSG00000152422	5	XRCC4	82373317	rs2940540	5	82488823	G	T	0.462227	-0.0069098	0.00807086	0.391917	-0.499564	0.0661886	4.43E-14	0.0138317	0.0162594	0.3949416	0.00897885	20	0.8477398
ENSG00000247828	5	TMEM161B-AS1	87564712	rs78909929	5	87639971	G	A	0.257455	0.0215781	0.00893427	0.0157264	0.660472	0.0694749	1.97E-21	0.0326707	0.0139568	0.01924024	0.1467192	17	0.3835143
ENSG00000271904	5	CTC-498M16.4	87729709	rs7444298	5	87730027	G	A	0.262425	-0.0102606	0.0101678	0.312913	0.728724	0.0833053	2.18E-18	-0.0140802	0.0140454	0.3161126	5.14E-05	20	0.80921855
ENSG00000243806	5	CTC-484P3.1	94161666	rs152286	5	94193334	A	G	0.890656	0.00867352	0.0106707	0.416313	-0.939911	0.105499	5.14E-19	-0.009228	0.0114	0.418243	0.9365517	20	0.86117441
ENSG00000198677	5	TTC37	94799599	rs10515227	5	94799142	C	T	0.110338	0.00352493	0.0149718	0.813869	0.545352	0.0648379	4.07E-17	0.00646359	0.0274642	0.8139404	0.7441958	14	0.96552943
ENSG00000145757	5	SPATA9	94987885	rs213885	5	94986958	G	A	0.354871	-0.0111365	0.00828832	0.179064	-0.533776	0.0890744	2.07E-09	0.0208636	0.0159133	0.1898292	0.2908738	6	0.73499176
ENSG00000153113	5	CAST	95860971	rs4267886	5	95997266	C	T	0.151093	0.0144531	0.0116838	0.216078	0.474468	0.0537181	1.02E-18	0.0304617	0.0248654	0.220551	0.4929691	19	0.75807011
ENSG00000164307	5	ERAP1	96096521	rs13160562	5	96111371	A	G	0.327038	-0.0144342	0.00906573	0.111345	-0.696263	0.0611958	5.41E-30	0.020731	0.0131474	0.1148398	0.5621626	20	0.66853336
ENSG00000164308	5	ERAP2	96211643	rs2910686	5	96252589	C	T	0.426441	-0.0051338	0.00809615	0.526017	1.21351	0.0667595	7.80E-74	-0.0042305	0.00667574	0.5262686	0.1369801	20	0.88269474
ENSG00000174136	5	RGMB	98104354	rs2617508	5	98130968	A	G	0.167992	0.0158356	0.0145485	0.276387	-0.469654	0.0802911	4.93E-09	-0.0337176	0.0315088	0.2845742	0.04911278	12	0.79552497
ENSG00000175749	5	EIF3KP1	102368080	rs158402	5	102415525	A	G	0.275348	0.00268613	0.00860882	0.755024	0.828344	0.0919912	2.16E-19	0.00324277	0.010399	0.755167	0.3536723	20	0.95795146
ENSG00000145777	5	TSLP	110405760	rs3806933	5	110406742	T	C	0.454274	-0.0110276	0.00808817	0.172749	-0.768045	0.0839138	5.55E-20	0.014358	0.0106471	0.1774836	0.8143081	18	0.72148239
ENSG00000145782	5	ATG12	115163893	rs13174348	5	115138748	A	G	0.228628	0.0006266	0.0105303	0.95255	0.333453	0.05437	8.62E-10	0.00187913	0.031581	0.9525525	0.764391	3	0.99378914
ENSG00000169570	5	DTWD2	118173017	rs55811049	5	118324298	C	A	0.144135	-9.29E-05	0.01105	0.993291	-0.486792	0.074389	5.99E-11	0.00019086	0.0226997	0.9932915	0.4768765	9	0.99818905
ENSG00000064652	5	SNX24	122179134	rs35939166	5	122394850	G	A	0.0308151	0.00106688	0.0256314	0.966799	-0.629898	0.110286	1.12E-08	-0.0016937	0.0406924	0.9667994	0.9459843	4	0.99428844
ENSG00000164904	5	ALDH7A1	125877533	rs79449010	5	125919818	C	T	0.0447316	0.0146392	0.0157931	0.353961	-0.645124	0.0930179	4.05E-12	-0.0226921	0.0246984	0.3582175	0.4116273	4	0.83410235
ENSG00000245937	5	CTC-228N24.3	127276118	rs6888037	5	127406259	T	G	0.787276	-0.0140368	0.0111572	0.208359	0.442834	0.060303	2.08E-13	-0.0316977	0.0255621	0.2149654	0.00125713	11	0.75136482
ENSG00000113396	5	SLC27A6	127873706	rs2526242	5	128300005	G	A	0.66998	-0.0212967	0.00839851	0.0112202	-0.558388	0.0697426	1.18E-15	0.0381396	0.015777	0.01563087	0.5114487	20	0.3522782
ENSG00000233006	5	AC034220.3	131646978	rs2631365	5	131705949	C	T	0.416501	-0.0060714	0.00807129	0.451916	-0.995905	0.0741456	3.94E-41	0.00609637	0.00811718	0.4526249	0.6905228	20	0.86824012
ENSG00000197536	5	C5orf56	131746328	rs2706386	5	131832687	T	C	0.654076	-0.0017075	0.00861884	0.842959	0.340638	0.0539257	2.67E-10	-0.0050126	0.0253145	0.843035	0.2386678	5	0.97214076
ENSG00000113522	5	RAD50	131891711	rs144795118	5	131683878	T	C	0.0218688	0.0108351	0.0128221	0.398092	-1.15657	0.211921	4.83E-08	-0.0093683	0.0112184	0.4036715	0.6538022	3	0.85411141
ENSG00000164404	5	GDF9	132196873	rs254286	5	132198199	A	G	0.599404	-0.0052289	0.00805695	0.516347	0.530495	0.074053	7.85E-13	-0.0098566	0.0152498	0.5180596	0.00807749	11	0.88027463

ENSG00000237190	5	CDKN2AIPNL	133737778	rs62381376	5	133746115	T	C	0.0357853	0.00826845	0.0203716	0.68483	0.495336	0.0807702	8.64E-10	0.0166926	0.0412168	0.685481	0.9240379	4	0.93978336
ENSG00000164615	5	CAMLG	134074191	rs12657663	5	134076812	A	G	0.133201	0.00532909	0.0101822	0.600716	0.961827	0.0742535	2.25E-38	0.00554059	0.0105949	0.6010115	0.5982274	20	0.91118981
ENSG00000113621	5	TXNDC15	134209493	rs7706190	5	134251868	C	T	0.148111	0.0117379	0.0100791	0.244191	0.564255	0.0688184	2.42E-16	0.0208025	0.018042	0.248908	0.374526	13	0.76959804
ENSG00000270021	5	CTC-203F4.2	134734970	rs1382286	5	134753479	A	T	0.950298	0.00300394	0.0195833	0.878088	0.826208	0.0974897	2.35E-17	0.00363582	0.0237065	0.8781082	0.9436108	16	0.97700295
ENSG00000253404	5	AC034243.1	138080123	rs1725353	5	138079005	T	C	0.72664	-0.0279221	0.00868035	0.00129676	-1.06241	0.0930332	3.33E-30	0.0262818	0.00848838	0.00196009	0.5145522	20	0.22608657
ENSG00000120725	5	SIL1	138282409	rs874115	5	138280056	G	T	0.305169	0.0236567	0.00856718	0.00575692	0.327314	0.0589801	2.86E-08	0.0722752	0.0292353	0.01342873	0.6504837	11	0.34907046
ENSG00000120306	5	CYSTM1	139554227	rs7705090	5	139618146	G	C	0.217694	-0.0356651	0.00906245	8.30E-05	-0.274555	0.0428002	1.41E-10	0.129901	0.0387245	0.00079507	0.7191763	5	0.16772553
ENSG00000213523	5	SRA1	139916925	rs3733681	5	139914758	G	A	0.714712	0.00669406	0.00834215	0.422299	0.38976	0.0598396	7.35E-11	0.0171748	0.0215651	0.4257896	0.6122894	8	0.86364609
ENSG00000170445	5	HARS	140052758	rs2230361	5	140057535	A	G	0.0596421	0.0121272	0.0142275	0.394006	0.365426	0.0592228	6.81E-10	0.0331865	0.0393037	0.3984688	0.7587353	6	0.84975981
ENSG00000146007	5	ZMAT2	140078265	rs56692296	5	140030741	A	G	0.220676	0.00014893	0.00927233	0.987185	0.20242	0.0368067	3.81E-08	0.00073575	0.0458076	0.9871851	0.0539199	15	0.99624056
ENSG00000204967	5	PCDHA4	140186659	rs9324745	5	140219328	C	T	0.536779	0.0109462	0.00812309	0.177807	-0.319789	0.0572576	2.34E-08	-0.0342294	0.0261303	0.190212	0.4342836	7	0.73499176
ENSG00000250120	5	PCDHA10	140235595	rs3756337	5	140186438	C	G	0.455268	0.0156987	0.00828674	0.0581674	-0.471532	0.0831646	1.43E-08	-0.033293	0.0185291	0.07236841	0.5466049	7	0.58788723
ENSG00000239389	5	PCDHA13	140261793	rs251379	5	140258922	A	G	0.662028	-0.0203692	0.00877956	0.0203376	-0.59784	0.0779519	1.73E-14	0.0340713	0.0153427	0.02637241	0.4651685	20	0.44645761
ENSG00000120322	5	PCDHB8	140557371	rs660082	5	140624133	A	G	0.23161	0.00863951	0.00959519	0.367907	0.881002	0.100576	1.96E-18	0.00980646	0.0109486	0.3704233	0.425202	11	0.83632782
ENSG00000204956	5	PCDHGA1	140710252	rs78102761	5	140872660	G	A	0.0258449	0.0584213	0.0687855	0.3957	1.40941	0.196042	6.51E-13	0.0414509	0.0491439	0.398971	0.5935639	19	0.85021916
ENSG00000253731	5	PCDHGA6	140753651	rs72790019	5	140758318	A	G	0.0457256	0.0118584	0.0153063	0.438495	-0.918582	0.147003	4.14E-10	-0.0129095	0.0167905	0.4419806	0.1987184	12	0.86824012
ENSG00000133706	5	LARS	145492601	rs17796852	5	145454232	C	T	0.252485	0.0146546	0.00862202	0.0891928	0.661573	0.0787294	4.35E-17	0.0221511	0.0132965	0.09572642	0.7479641	13	0.64788751
ENSG00000204909	5	SPINK9	147700766	rs6580548	5	147732234	T	C	0.251491	0.00544783	0.00900461	0.545175	0.706223	0.0863611	2.90E-16	0.00771404	0.0127852	0.5462722	0.08154701	14	0.88843971
ENSG00000173210	5	ABLIM3	148521046	rs1109114	5	148615946	T	C	0.360835	0.0116006	0.00840439	0.167493	-0.419338	0.0688602	1.13E-09	-0.0276641	0.0205504	0.1782523	0.8814139	8	0.72148239
ENSG00000145882	5	PCYOX1L	148737570	rs2895849	5	148722407	A	G	0.316103	-0.0018949	0.00852342	0.824067	0.275449	0.0395676	3.37E-12	-0.0068793	0.0309595	0.8241554	0.1130202	12	0.96773132
ENSG00000254333	5	CTC-367J11.1	149855094	rs3846703	5	149857460	T	C	0.0725646	0.0225751	0.014915	0.130131	1.5651	0.176414	7.20E-19	0.0144241	0.00966744	0.1356925	0.8187115	7	0.6978893
ENSG00000197083	5	ZNF300P1	150310207	rs12659118	5	150324622	C	T	0.115308	0.0160302	0.0132866	0.227629	1.43381	0.141941	5.44E-24	0.0111801	0.0093325	0.2309251	0.08450988	19	0.76373142
ENSG00000260581	5	CTB-113P19.4	151031836	rs357618	5	150846612	G	A	0.385686	0.00048785	0.00828597	0.95305	0.40467	0.0727751	2.69E-08	0.00120556	0.020477	0.9530526	0.57627	8	0.99378914
ENSG00000213433	5	RP11-54C4.1	151145420	rs2964580	5	151144347	A	G	0.423459	-0.0268793	0.00818632	0.00102546	-0.680726	0.0756689	2.34E-19	0.0394862	0.0128018	0.0020395	0.4177018	16	0.22608657
ENSG00000249484	5	AC091969.1	151998525	rs72804801	5	152331031	A	C	0.240557	-0.0208629	0.00928107	0.0245827	-0.492692	0.0869705	1.47E-08	0.0423447	0.0202663	0.03667015	0.1118152	16	0.49915936
ENSG00000155508	5	CNOT8	154237113	rs13156669	5	154345987	A	G	0.0924453	0.00863808	0.0122978	0.482423	-0.474025	0.0687712	5.47E-12	-0.0182228	0.0260777	0.4846835	0.1073703	15	0.87731471
ENSG00000170624	5	SGCD	155297354	rs72813859	5	155732862	A	G	0.161034	0.0150214	0.0101163	0.137579	-0.593326	0.103057	8.55E-09	-0.0253173	0.0176081	0.1504851	0.02656131	7	0.71191488
ENSG00000251405	5	CTB-109A12.1	156789623	rs77243217	5	156887473	A	G	0.0894632	0.0123543	0.0137926	0.370404	1.03705	0.117754	1.29E-18	0.0119129	0.0133685	0.3728635	0.6368711	14	0.83748989
ENSG00000248544	5	CTB-47B11.3	156802749	rs11466815	5	156907171	A	G	0.0914513	0.00907302	0.0133309	0.496125	0.808685	0.133625	1.43E-09	0.0112195	0.0165886	0.4988266	0.7195708	6	0.87805165
ENSG00000118322	5	ATP10B	159990127	rs6895429	5	160300700	G	A	0.831014	0.0126477	0.0114902	0.271009	-0.672535	0.0652323	6.36E-25	-0.018806	0.017182	0.2737281	0.4131992	20	0.79010836
ENSG00000241956	5	CTC-340A15.2	163723702	rs12109515	5	163781235	A	G	0.316103	-0.0029307	0.00830761	0.724256	-0.531019	0.0762764	3.36E-12	0.00551909	0.0156647	0.724594	0.04824715	5	0.94753093
ENSG00000188573	5	FBLL1	167956121	rs28483077	5	167934861	G	A	0.143141	-0.0043022	0.0112259	0.701543	0.38788	0.0450529	7.34E-18	-0.0110916	0.0289703	0.7018232	0.9496262	20	0.94421269
ENSG00000204764	5	RANBP17	170288874	rs2218885	5	170406393	A	G	0.686879	-0.0102527	0.00842425	0.223585	0.641891	0.0827184	8.50E-15	-0.0159726	0.0132845	0.2292286	0.846679	11	0.76373142
ENSG00000113734	5	BNIP1	172571445	rs141178159	5	172475940	A	G	0.119284	-0.0065599	0.0132397	0.620266	-0.701677	0.0969893	4.67E-13	0.00934892	0.0189129	0.6210834	0.453379	11	0.91786692
ENSG00000051596	5	THOC3	175344876	rs56033051	5	175343491	C	T	0.192843	-0.0143385	0.0102534	0.161988	0.809579	0.0652207	2.22E-35	-0.0177111	0.0127452	0.1646432	0.2590955	16	0.71666927
ENSG00000248469	5	RP11-826N14.2	175476681	rs531828844	5	175511643	G	T	0.0815109	0.00136317	0.0148978	0.927094	-0.59037	0.0883898	2.40E-11	-0.002309	0.0252371	0.927101	0.937675	3	0.98793237
ENSG00000170085	5	SIMC1	175665365	rs12516807	5	175601502	A	G	0.505964	-0.0065293	0.00807438	0.418721	-0.33185	0.0486819	9.32E-12	0.0196754	0.024502	0.4219682	0.2604746	20	0.86347566
ENSG00000074276	5	CDHR2	175969512	rs11134981	5	175981074	C	T	0.673956	-0.005466	0.00861268	0.525659	-0.473373	0.0597947	2.44E-15	0.011547	0.0182526	0.5269828	0.2083236	20	0.88292525
ENSG00000160867	5	FGFR4	176513887	rs452885	5	176518784	T	C	0.739563	-0.0177995	0.0102093	0.0812531	-0.549895	0.0817058	1.69E-11	0.0323689	0.0191787	0.09145947	0.7876617	5	0.63477921
ENSG00000213347	5	MXD3	176728462	rs11952102	5	176740704	A	G	0.763419	0.00682259	0.00878806	0.437543	-0.511427	0.0724554	1.68E-12	-0.0133403	0.017287	0.4402957	0.5096338	6	0.86824012
ENSG00000249849	5	RP11-1101H11.1	177109295	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.660088	0.093055	1.31E-12	0.0217659	0.0128789	0.09101939	0.6975401	14	0.63306891
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.848671	0.0525378	1.07E-58	0.0169293	0.0097849	0.08360436	0.4658818	20	0.61833179
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	0.923794	0.0802743	1.20E-30	0.0178534	0.00922397	0.05292307	0.7175684	18	0.54679043
ENSG00000170089	5	RP11-423H2.1	177236408	rs62399492	5	177269771	C	G	0.39662	0.00830019	0.00822332	0.312808	0.683799	0.0899376	2.89E-14	0.0121383	0.0121314	0.3170351	0.7976246	6	0.80963732
ENSG00000249684	5	RP11-423H2.3	177377336	rs112562766	5	177324736	A	G	0.082505	0.00272664	0.0129034	0.832644	0.88046	0.156106	1.70E-08	0.00309684	0.0146656	0.8327596	0.5225135	6	0.96886511
ENSG00000204677	5	FAM153C	177433406	rs3088218	5	177482472	C	T	0.460239	0.00954353	0.00811388	0.239516	0.352432	0.0453857	8.15E-15	0.0270791	0.0232851	0.2448566	0.3830196	20	0.76952166
ENSG00000218227	5	RP11-889L3.1	177482605	rs7731593	5	177432595	G	A	0.493042	0.00150822	0.00808074	0.85194	0.474693	0.0613679	1.03E-14	0.00317725	0.017028	0.8519825	0.3838206	20	0.97416257
ENSG00000178187	5	ZNF454	178368192	rs11747215	5	178383855	T	C	0.609344	0.00210458	0.00828729	0.799532	-0.662474	0.073589	2.21E-19	-0.0031769	0.0125146	0.7996101	0.9403567	20	0.96425033
ENSG00000127022	5	CANX	179105629	rs13174472	5	179137436	T	C	0.501988	0.0131956	0.00806033	0.10161	-0.362521	0.0434758	7.53E-17	-0.0363995	0.0226586	0.1081782	0.9845755	20	0.65854606
ENSG00000161010	5	C5orf45	179261436	rs10277	5	179264731	C	T	0.518887	-0.0154053	0.0082913	0.0631684	-0.332079	0.0541105	8.41E-10	0.0463905	0.026087	0.07535527	0.5909921	8	0.59573523
ENSG00000197226	5	TBC1D9B	179289066	rs152234	5	179335060	G	A	0.885686	-0.0001722	0.0146806	0.990641	1.20003	0.108347	1.64E-28	-0.0001435	0.0122335	0.9906407	0.6408991	17	0.9970457
ENSG00000050748	5	MAPK9	179660143	rs35703820	5	179717446	T	C	0.157058	0.0133977	0.00976392	0.170013	-0.141675	0.0234847	1.61E-09	-0.0945664	0.070678	0.1808999	0.5483727	7	0.72470806
ENSG00000248367	5	CTB-129O4.1	179720245	rs186772564	5	179740420	C	T	0.421471	-0.002582	0.00838012	0.757994	-0.476776	0.0717506	3.03E-11	0.00541562	0.0175955	0.7582465	0.1238214	17	0.95888116
ENSG00000161055	5	SCGB3A1	180017103	rs1130378	5	180043388	A	G	0.282306	-0.0050689	0.00955513	0.595775	-0.574972	0.0913432	3.08E-10	0.00881584	0.0166773	0.5970748	0.4124299	11	0.90952354
ENSG00000037280	5	FLT4	180028506	rs1130378	5	180043388	A	G	0.282306	-0.0050689	0.00955513	0.595775	-0.988002	0.0881152	3.54E-29	0.00513041	0.00968198	0.5961861	0.5308641	18	0.90901696
ENSG00000248275	5	TRIM52-AS1	180688213	rs1279911	5	180691200	G	C	0.279324	0.00526586	0.00895205	0.556378	-0.977891	0.0630442	2.91E-54	-0.0053849	0.00916103	0.5566619	0.1800538	20	0.89377419
ENSG00000272463	6	RP11-532F6.3	708592	rs2244443	6	711150	C	A	0.707753	-0.006699	0.00912033	0.462634	0.913702	0.0967037	3.44E-21	-0.0073317	0.0100118	0.463982	0.4704174	20	0.87345602
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.19161	0.0882446	1.49E-41	0.00719464	0.00834017	0.3883302	0.8770621	20	0.84743529
ENSG00000145949	6	MYLK4	2663863	rs13216410	6	2765570	T	C	0.299205	-0.0095034	0.00852252	0.264812	0.605379	0.0770262	3.86E-15	-0.0156982	0.014219	0.2695785	0.1076461	7	0.78265812
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.987136	0.0888837	1.17E-28	-0.002694	0.00832487	0.746232	0.2711696	13	0.95384439
ENSG00000124588	6	NQO2	2988221	rs4149360	6	3006807	G	A	0.188867	-0.0024103	0.00988062	0.807274	-0.822416	0.0954613	6.98E-18	0.00293078	0.012019	0.8073497	0.6960729	20	0.96552943
ENSG00000137275	6	RIPK1	3064225	rs2064310	6	3080324	A	C	0.934394	-0.0069587	0.0138303	0.614861	-0.392858	0.0682239	8.49E-09	0.0177129	0.0353385	0.6162049	0.9391088	4	0.91604084
ENSG00000272277	6	RP1-40E16.12	3068279	rs12663589	6	3069057	T	C	0.544732	-0.0014399	0.00827713	0.861898	-0.701361	0.100065	2.40E-12	0.00205297	0.0118052	0.8619408	0.7502553	14	0.97675342
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	1.04304	0.0956421	1.08E-27	0.00344896	0.00979026	0.7246248	0.0749394	12	0.94753093
ENSG00000180822	6	PSMG4	3231637	rs4959783	6	3260093	A	G	0.842942	0.00995894	0.0117077	0.394975	0.508643	0.0648602	4.43E-15	0.0195794	0.0231525	0.3977362	0.1425446	14	0.84924862
ENSG00000228793	6	RP1-223B1.1	3594481	rs226950	6	3716413	A	G	0.675944	0.012455	0.00884688	0.159179	0.447052	0.0761919	4.43E-09	0.0278603	0.0203511	0.171004	0.1969149	3	0.72148239
ENSG00000198721	6	ECI2	4115923	rs3177253	6	4133855	T	C	0.274354	0.00107165	0.00978564	0.912796	-0.373552	0.0416309	2.89E-19	-0.0028688	0.0261981	0.9128025	0.9876479	20	0.985717
ENSG00000214113	6	LYRM4	5102827	rs111557465	6	5260694	T	C	0.083499	0.0242319	0.0132953	0.068366	0.690666	0.0857714	8.12E-16	0.0350848	0.0197369	0.07546531	0.2673624	4	0.59573523
ENSG00000124783	6	SSR1	7268539	rs2326900	6	7296747	T	A	0.414513	0.00582656	0.00828165	0.481713	0.374259	0.0499606	6.83E-14	0.0155683	0.0222255	0.483635	0.3847741	20	0.87638737
ENSG00000124784	6	RIOK1	7389729	rs3812169	6	7388424	C	T	0.385686	0.00748193	0.00843529	0.37509	-0.527124	0.077548	1.07E-11	-0.0141939	0.0161381	0.3791176	0.9664228	20	0.84412634
ENSG00000230939	6	RP11-314C16.1	8784411	rs2225766	6	8481833	A	G	0.632207	0.0118025	0.00892498	0.186033	-0.522087	0.0954508	4.51E-08	-0.0226064	0.0175873	0.1986601	0.7284944	3	0.74217028
ENSG00000272097	6	RP11-421M1.8	10743557	rs544108	6	10745165	G	C	0.329026	0.00573064	0.00835184	0.492617	-0.536341	0.0789828	1.12E-11	-0.0106847	0.0156512	0.4948111	0.1145723	6	0.87805165
ENSG00000230314	6	ELOVL2-AS1	11043757	rs3798720	6	11040002	A	G	0.44334	0.0160854	0.0080802	0.0465115	-0.495869	0.0681976	3.57E-13	-0.0324388	0.0168947	0.05485087	0.2275948	7	0.54679043
ENSG00000145979	6	TBC1D7	13266774	rs454563	6	13295536	T	C	0.877734	0.020403	0.0100814	0.0429893	-0.874721	0.0931902	6.21E-21	-0.0233252	0.0117901	0.04788781	0.8532755	20	0.52671817
ENSG00000124523	6	SIRT5	13574816	rs2804926	6	13575682	A	G	0.301193	0.00059959	0.00861304	0.944501	-0.329236	0.0549409	2.07E-09	-0.0018212	0.0261625	0.9445044	0.4848242	4	0.99247344
ENSG00000050393	6	MCUR1	13786789	rs3757254	6	13788252	C	T	0.327038	0.0183857	0.00837483	0.0281384	0.359754	0.0461697	6.60E-15	0.0511063	0.0241856	0.03459347	0.1412192	12	0.48743989
ENSG00000180537	6	RNF182	13924677	rs7761500	6	13917140	A	G	0.336978	0.00821013	0.00835444	0.325742	-0.365089	0.0601456	1.28E-09	-0.022488	0.0231812	0.3319989	0.2729399	4	0.81680644
ENSG00000047579	6	DTNBP1	15523032	rs1047631	6	15523101	C	T	0.148111	-0.0058362	0.0111719	0.601392	0.435595	0.0606072	6.61E-13	-0.0133982	0.0257151	0.6023497	0.7087781	8	0.91118981
ENSG00000137414	6	FAM8A1	17600586	rs6919110	6	17600619	G	A	0.250497	-0.002031	0.00827047	0.806009	0.293285	0.0475878	7.14E-10	-0.0069251	0.0282218	0.8061602	0.5674708	6	0.96532516
ENSG00000228412	6	RP4-625H18.2	19802395	rs6456267	6	19792830	G	A	0.370775	-0.0067701	0.00845131	0.423091	0.558043	0.0723156	1.19E-14	-0.0121318	0.0152259	0.4255747	0.166908	10	0.86364609
ENSG00000124532	6	MRS2	24403153	rs3827640	6	24425935	G	A	0.423459	-0.0201396	0.00809419	0.0128407	0.435178	0.0660504	4.44E-11	-0.046279	0.0198819	0.01992802	0.4638616	7	0.38776606
ENSG00000137261	6	KIAA0319	24544332	rs9379669	6	24593176	A	G	0.393638	0.00051152	0.00838674	0.951366	-0.331042	0.0603804	4.19E-08	-0.0015452	0.0253359	0.9513693	0.2486108	3	0.99369944
ENSG00000111802	6	TDP2	24650205	rs1047782	6	24650731	G	T	0.675944	-0.0035478	0.00821818	0.665961	-0.267493	0.0477461	2.11E-08	0.013263	0.030814	0.6668897	0.3612049	6	0.93322639
ENSG00000112308	6	C6orf62	24705089	rs3813680	6	24848086	G	A	0.132207	-0.0072895	0.0107516	0.497781	0.313689	0.0560049	2.13E-08	-0.0232378	0.0345249	0.5008999	0.08753216	8	0.87805165
ENSG00000168405	6	CMAHP	25081548	rs2394363	6	25070345	G	A	0.759443	-0.0036674	0.0105994	0.729342	-0.381509	0.0484445	3.40E-15	0.00961293	0.0278096	0.7295914	0.6479384	20	0.94884724
ENSG00000272462	6	U91328.19	25992890	rs1543680	6	26103177	A	G	0.189861	0.0180145	0.00989727	0.0687369	-0.699682	0.0870296	9.01E-16	-0.0257467	0.0145034	0.07586135	0.02897621	20	0.59613162
ENSG00000187837	6	HIST1H1C	26055968	rs4401650	6	26035208	A	G	0.662028	-0.0056872	0.00858252	0.507554	0.393564	0.0561793	2.46E-12	-0.0144505	0.0219045	0.5094427	0.4204056	20	0.8783337
ENSG00000186470	6	BTN3A2	26365387	rs9393703	6	26356951	C	T	0.112326	-0.0691409	0.0145391	1.98E-06	-1.08229	0.109394	4.44E-23	0.0638839	0.014905	1.82E-05	0.00805202	20	0.05944709
ENSG00000124508	6	BTN2A2	26383324	rs7356982	6	26396500	G	A	0.201789	0.0202966	0.0111466	0.0686262	0.71224	0.0836486	1.67E-17	0.0284969	0.0160039	0.07497502	0.01532839	20	0.59573523
ENSG00000112763	6	BTN2A1	26458150	rs2273193	6	26458525	G	C	0.756461	-0.0091625	0.00966547	0.343149	-0.388241	0.0645648	1.82E-09	0.0236	0.025203	0.3490695	0.01952453	5	0.83110575
ENSG00000181315	6	ZNF322	26636518	rs3800303	6	26598188	G	A	0.378728	0.0165298	0.00842072	0.0496478	-0.511601	0.0563631	1.12E-19	-0.0323099	0.0168401	0.0550303	0.00277092	20	0.54679043
ENSG00000124613	6	ZNF391	27342394	rs4713094	6	27373078	A	G	0.743539	-0.0093934	0.00832653	0.259264	0.513208	0.0562498	7.26E-20	-0.0183033	0.016348	0.2628821	0.1508677	18	0.78131464
ENSG00000219392	6	RP1-265C24.5	28083406	rs61471148	6	28037032	A	T	0.200795	-0.0340909	0.0102975	0.00093094	-0.688163	0.0920553	7.69E-14	0.049539	0.0163655	0.00246958	0.06939902	20	0.25228293
ENSG00000198315	6	ZKSCAN8	28109688	rs9393884	6	28046789	G	A	0.198807	-0.0345129	0.0103469	0.0008512	-0.289759	0.049657	5.37E-09	0.119109	0.041131	0.00378142	0.1036771	20	0.2603942
ENSG00000216901	6	AL022393.7	28143966	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	1.13921	0.0832698	1.32E-42	-0.0191337	0.00786018	0.01492238	8.53E-05	20	0.3522782
ENSG00000197062	6	RP5-874C20.3	28234788	rs213240	6	28315875	C	T	0.380716	-0.0300864	0.00867528	0.00052423	-0.453479	0.0581712	6.41E-15	0.0663457	0.0209382	0.0015315	0.3690128	20	0.20391512
ENSG00000235109	6	ZSCAN31	28292470	rs213238	6	28321993	C	T	0.363817	-0.0286459	0.0086988	0.00099092	0.783359	0.0916855	1.30E-17	-0.036568	0.0119007	0.00212096	0.09514295	20	0.22608657
ENSG00000187987	6	ZSCAN23	28399707	rs1361387	6	28412929	G	T	0.449304	-0.0258558	0.00832944	0.00190831	0.495042	0.0725452	8.86E-12	-0.0522295	0.0184848	0.00472008	0.238285	20	0.28054451
ENSG00000204657	6	OR2H2	29555683	rs3129034	6	29555809	T	C	0.620278	-0.0111333	0.00850425	0.190483	0.361275	0.0661504	4.72E-08	-0.0308167	0.0242064	0.2029894	0.06270302	3	0.74217028
ENSG00000239257	6	RPL23AP1	29694446	rs1611139	6	29799116	T	G	0.276342	-0.0056763	0.00956377	0.552831	0.619519	0.0857519	5.03E-13	-0.0091625	0.0154894	0.5541651	0.4741138	20	0.89377419
ENSG00000235821	6	IFITM4P	29718506	rs16867712	6	29727954	C	T	0.263419	0.00692137	0.00874368	0.428603	0.637521	0.103435	7.12E-10	0.0108567	0.0138278	0.4323734	0.7919187	20	0.86609543
ENSG00000181126	6	HLA-V	29758731	rs1156533	6	30065149	G	A	0.254473	-0.0123072	0.0102713	0.230833	0.650698	0.0815283	1.45E-15	-0.0189138	0.0159619	0.2360437	0.04685305	20	0.76839015
ENSG00000176998	6	HCG4	29758816	rs1610669	6	29780093	A	T	0.311133	-0.0023786	0.00949687	0.802227	-0.445808	0.0689745	1.02E-10	0.00533557	0.0213186	0.8023725	0.3129223	20	0.96471558
ENSG00000230521	6	HCG4P7	29855071	rs72838640	6	29843076	A	G	0.111332	-0.0130987	0.014241	0.357684	-1.06554	0.124956	1.50E-17	0.012293	0.0134426	0.3604628	0.6350762	20	0.8352928
ENSG00000206341	6	HLA-H	29855350	rs28724990	6	29816542	A	T	0.175944	0.00392171	0.0116898	0.737261	0.697856	0.0971898	6.95E-13	0.00561965	0.0167693	0.7375377	0.04226287	20	0.94972574
ENSG00000227262	6	HCG4B	29893760	rs9260867	6	29946021	A	G	0.0576541	0.0220296	0.0255633	0.388817	1.19831	0.169271	1.45E-12	0.0183839	0.0214903	0.3923011	0.7774862	20	0.8477398
ENSG00000230795	6	HLA-K	29894236	rs2517672	6	29937262	G	A	0.27833	-0.0198362	0.00871933	0.0229081	-0.948855	0.0943743	8.81E-24	0.0209054	0.00942162	0.02649519	0.2199579	20	0.44645761
ENSG00000206503	6	HLA-A	29909037	rs2517673	6	29937242	A	G	0.112326	0.0137	0.0155024	0.37684	-0.571848	0.0844229	1.26E-11	-0.0239574	0.0273391	0.3808629	0.9851505	20	0.84639077
ENSG00000235290	6	HLA-W	29924373	rs112377352	6	29915945	A	G	0.11332	-0.0172841	0.0136156	0.204288	0.886125	0.119951	1.50E-13	-0.0195053	0.0155905	0.2108992	0.08993199	20	0.74718609
ENSG00000204623	6	ZNRD1-AS1	29968788	rs166327	6	30002881	C	T	0.39662	-0.0116273	0.00824079	0.158262	-0.469368	0.0533765	1.45E-18	0.0247722	0.0177818	0.1635818	0.6691948	20	0.71666927
ENSG00000237669	6	HCG4P3	29973898	rs1150741	6	30029651	G	C	0.260437	-0.0218985	0.00875903	0.0124157	0.810562	0.0872013	1.47E-20	-0.0270164	0.0111902	0.01576536	0.7087447	20	0.3522782
ENSG00000204622	6	HLA-J	29974360	rs9260486	6	29920281	T	G	0.630219	0.0133156	0.00827198	0.107458	0.635573	0.0792812	1.09E-15	0.0209505	0.0132748	0.1145147	0.3885053	20	0.66853336
ENSG00000204618	6	RNF39	30038043	rs9261163	6	29994273	T	C	0.0954274	0.0175537	0.0179693	0.328634	0.741753	0.0966989	1.71E-14	0.0236652	0.0244211	0.3325226	0.8423368	20	0.81680644
ENSG00000270604	6	HCG17	30201816	rs916568	6	30202052	T	C	0.431412	-0.0066277	0.00813044	0.414972	-0.587207	0.084952	4.77E-12	0.0112869	0.0139419	0.4181898	0.00820317	20	0.86117441
ENSG00000243753	6	HLA-L	30227361	rs9264219	6	31221914	T	C	0.652087	0.00176384	0.0083838	0.833365	0.634475	0.0898867	1.68E-12	0.00278	0.0132196	0.8334388	0.3657207	20	0.96886511
ENSG00000231074	6	HCG18	30255174	rs2516698	6	30232374	A	G	0.055666	0.0583276	0.0481725	0.225969	0.780206	0.120512	9.54E-11	0.0747592	0.0628138	0.2339791	0.02182765	10	0.76566394
ENSG00000228022	6	HCG20	30734602	rs7740474	6	30760948	G	A	0.431412	0.00283087	0.0086631	0.743839	-0.694325	0.0913455	2.94E-14	-0.0040772	0.0124885	0.7440674	0.03287587	11	0.95311768
ENSG00000137411	6	VARS2	30876019	rs753726	6	30890569	T	G	0.355865	-0.0099565	0.00827774	0.229051	0.5392	0.0555544	2.85E-22	-0.0184654	0.0154693	0.232605	0.2124569	20	0.7649756
ENSG00000196260	6	SFTA2	30899130	rs17189763	6	30923527	T	C	0.342942	-0.0085488	0.00829091	0.302491	0.549406	0.0932119	3.77E-09	-0.0155601	0.0153198	0.3097808	0.9575942	8	0.80584798
ENSG00000228789	6	HCG22	31021227	rs2394424	6	31020360	C	T	0.574553	-0.0149057	0.00810832	0.0660146	0.661549	0.0822576	8.81E-16	-0.0225315	0.0125727	0.07311683	0.02679088	20	0.58871655
ENSG00000204540	6	PSORS1C1	31082527	rs2517529	6	31076978	G	C	0.435388	-0.0124262	0.00817673	0.128587	-0.654975	0.0985904	3.07E-11	0.018972	0.0128065	0.1384903	0.4664015	20	0.7003067
ENSG00000204536	6	CCHCR1	31110216	rs1062630	6	31138107	A	G	0.200795	-0.0193384	0.0112677	0.0861133	0.383863	0.0668749	9.47E-09	-0.0503784	0.0306375	0.1001062	0.6721717	14	0.64834522
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	1.02048	0.131553	8.68E-15	0.00287204	0.0109223	0.7925879	0.6765486	14	0.96351947
ENSG00000204531	6	POU5F1	31132119	rs2853941	6	31249229	C	T	0.385686	0.0108265	0.00834267	0.194381	0.594992	0.0944112	2.94E-10	0.018196	0.0143157	0.2037081	0.1152533	20	0.74217028
ENSG00000272501	6	Xbac-BPG299F13.	31162977	rs1128175	6	31150435	G	A	0.762425	0.0009871	0.00878175	0.910504	-0.567148	0.0941863	1.73E-09	-0.0017405	0.0154868	0.9105191	0.08221183	20	0.985717
ENSG00000206344	6	HCG27	31165537	rs9264355	6	31228186	C	T	0.863817	0.00296846	0.011354	0.793747	0.879992	0.0951544	2.29E-20	0.00337328	0.0129075	0.793829	0.2367961	20	0.96351947
ENSG00000204525	6	HLA-C	31236526	rs2524119	6	31229404	C	T	0.617296	0.0179443	0.00843872	0.033468	-0.610032	0.0549555	1.25E-28	-0.0294153	0.0140848	0.03675718	0.3951505	20	0.49915936
ENSG00000272221	6	Xbac-BPG181B23.	31362066	rs2596538	6	31368632	A	G	0.395626	-0.0052687	0.00862852	0.541458	-0.954821	0.0850493	3.02E-29	0.00551795	0.00905015	0.5420555	0.01928822	20	0.88821024
ENSG00000204520	6	MICA	31371356	rs2256312	6	31381407	G	A	0.49503	0.00100501	0.00818226	0.902244	-0.769471	0.0619833	2.19E-35	-0.0013061	0.0106341	0.9022481	0.05549609	20	0.98439248
ENSG00000204516	6	MICB	31462658	rs2534684	6	31462672	C	A	0.262425	-0.0050012	0.008817	0.570561	0.421888	0.0739254	1.15E-08	-0.0118544	0.0210019	0.5724516	0.3261126	6	0.89938743
ENSG00000204463	6	BAG6	31606805	rs2844462	6	31651247	A	G	0.0477137	0.0166426	0.0270633	0.538587	0.995655	0.123408	7.15E-16	0.0167152	0.0272602	0.5397624	0.120978	15	0.88801373
ENSG00000240053	6	LY6G5B	31637944	rs2261033	6	31603591	G	A	0.512922	0.00703331	0.00820006	0.391051	-0.228909	0.0366652	4.29E-10	-0.0307254	0.0361588	0.3954736	0.00254181	5	0.8477398
ENSG00000204428	6	LY6G5C	31644461	rs805277	6	31662957	T	C	0.299205	-0.0199054	0.00827986	0.0162136	-1.09834	0.0747575	7.25E-49	0.0181232	0.00763878	0.01766711	0.01281607	20	0.36096114
ENSG00000204420	6	C6orf25	31686371	rs2471960	6	31580539	A	G	0.290258	-0.025434	0.00823368	0.00200821	0.690977	0.111474	5.70E-10	-0.0368088	0.0133137	0.00569699	0.2168938	9	0.28190919
ENSG00000204371	6	EHMT2	31847536	rs389883	6	31947460	T	G	0.784294	0.0116661	0.00897382	0.193596	0.279049	0.0446958	4.28E-10	0.0418066	0.0328483	0.2031187	0.00361683	20	0.74217028
ENSG00000204351	6	SKIV2L	31926857	rs2734326	6	31943585	C	T	0.141153	0.0294523	0.0152044	0.0527351	0.832285	0.079359	9.85E-26	0.0353873	0.0185773	0.0567969	0.3238893	20	0.55393262
ENSG00000244731	6	C4A	31949801	rs1265905	6	31909941	G	A	0.0725646	-0.0417551	0.0141302	0.00312637	-0.862073	0.104608	1.71E-16	0.0484357	0.0174129	0.00540908	0.1466275	20	0.28190919
ENSG00000204338	6	CYP21A1P	31973413	rs3132090	6	31430752	A	G	0.083499	-0.0459199	0.0141293	0.00115414	-1.08727	0.142046	1.94E-14	0.0422341	0.0141181	0.00277617	0.1712383	20	0.2524555
ENSG00000250535	6	STK19P	31981047	rs7746553	6	31895973	G	C	0.200795	-0.0292812	0.00985951	0.00297955	0.866478	0.135822	1.78E-10	-0.0337934	0.0125514	0.00709405	0.04161449	20	0.28385138
ENSG00000213676	6	ATF6B	32065953	rs9267803	6	32101762	T	C	0.28827	0.0240186	0.00836875	0.00410421	0.319283	0.0526754	1.35E-09	0.0752267	0.0290009	0.0094882	0.3112554	11	0.31648103
ENSG00000225914	6	Xbac-BPG154L12.	32223488	rs9268221	6	32284910	G	C	0.236581	-0.0101244	0.00884236	0.252212	0.777507	0.126421	7.74E-10	-0.0130216	0.0115681	0.2603149	0.3078647	11	0.78131464
ENSG00000228962	6	HCG23	32358287	rs2143462	6	32335204	A	G	0.15507	-0.0131243	0.0102615	0.200901	0.762943	0.133114	9.95E-09	-0.0172022	0.0137807	0.2119276	0.07315839	20	0.74886006
ENSG00000204290	6	BTNL2	32361740	rs111266158	6	32453882	A	G	0.125249	-0.0291363	0.0102883	0.00462605	0.919562	0.166996	3.66E-08	-0.031685	0.0125812	0.01178779	0.9619209	20	0.33802005
ENSG00000198502	6	HLA-DRB5	32485120	rs35083819	6	32526526	G	A	0.852883	-0.0208016	0.0113742	0.0674249	-1.21333	0.0906675	7.68E-41	0.0171442	0.0094615	0.0699865	0.5321089	20	0.58396716
ENSG00000229391	6	HLA-DRB6	32520490	rs9271398	6	32587508	C	T	0.299205	-0.0022465	0.00935541	0.810228	0.849297	0.0767426	1.82E-28	-0.0026452	0.0110181	0.8102712	0.7911502	20	0.96552943
ENSG00000196126	6	HLA-DRB1	32546546	rs9270707	6	32567351	G	A	0.854871	-0.0263073	0.0116777	0.0242734	-0.56638	0.0657816	7.31E-18	0.0464481	0.0213122	0.02930082	0.00527257	20	0.46490964
ENSG00000196735	6	HLA-DQA1	32595956	rs12527758	6	32620286	C	T	0.441352	-0.0022237	0.00816241	0.785293	-0.410873	0.0533513	1.35E-14	0.00541206	0.0198784	0.7854238	0.9441091	20	0.96351947
ENSG00000179344	6	HLA-DQB1	32627244	rs9273404	6	32627160	G	A	0.460239	-0.0055557	0.00807149	0.49126	-0.818587	0.062197	1.47E-39	0.00678689	0.00987375	0.4918513	1	20	0.87805165
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs1130456	6	32627379	C	T	0.744533	-0.0264587	0.00917618	0.00393396	-0.62026	0.085099	3.13E-13	0.0426574	0.0159097	0.00733525	0.1083297	20	0.28385138
ENSG00000237541	6	HLA-DQA2	32709119	rs9272358	6	32604538	A	G	0.370775	-0.0062262	0.00858014	0.46805	1.00873	0.0904268	6.75E-29	-0.0061723	0.00852386	0.4689894	0.8120948	20	0.87345602
ENSG00000232629	6	HLA-DQB2	32723875	rs17843611	6	32620531	C	T	0.411531	-0.006153	0.008099	0.447419	0.85987	0.0753617	3.73E-30	-0.0071558	0.00943972	0.4484226	1	20	0.86824012
ENSG00000241106	6	HLA-DOB	32780540	rs4148876	6	32796793	A	G	0.0735586	0.0108122	0.0154544	0.484165	1.64156	0.182727	2.62E-19	0.00658654	0.00944296	0.4854852	0.06830888	20	0.8777292

ENSG00000204267	6	TAP2	32789610	rs4148876	6	32796793	A	G	0.0735586	0.0108122	0.0154544	0.484165	-0.853595	0.119289	8.33E-13	-0.0126667	0.0181914	0.4862413	0.1083811	20	0.8777292
ENSG00000204257	6	HLA-DMA	32916390	rs112935194	6	32957897	C	T	0.0526839	-0.0246643	0.0157154	0.116546	0.498794	0.0823298	1.37E-09	-0.0494479	0.0325468	0.1286904	0.5853998	4	0.68740019
ENSG00000223865	6	HLA-DPB1	33043703	rs1042131	6	33048602	A	C	0.45328	0.0117152	0.00806015	0.146095	0.311095	0.0500821	5.24E-10	0.037658	0.0266088	0.1569967	0.2479912	9	0.71666927
ENSG00000224557	6	HLA-DPB2	33080228	rs3117034	6	33087358	A	T	0.406561	0.0184967	0.00819706	0.0240392	0.806786	0.0811533	2.75E-23	0.0229264	0.0104186	0.02776922	0.4614174	20	0.4538879
ENSG00000230313	6	HCG24	33112560	rs4711318	6	33090336	A	G	0.359841	0.0210102	0.0083012	0.0113744	0.86234	0.0787821	6.95E-28	0.0243642	0.00988036	0.01366616	0.3276137	20	0.34907046
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.780408	0.0655627	1.14E-32	-0.0127388	0.0229503	0.5788539	0.5437844	15	0.89957869
ENSG00000030110	6	BAK1	33540329	rs511515	6	33541507	G	A	0.722664	0.00964141	0.00975438	0.322948	-0.437535	0.0712958	8.41E-10	-0.0220357	0.0225813	0.3291425	0.1271047	6	0.81680644
ENSG00000197251	6	LINC00336	33553883	rs210162	6	33560896	G	A	0.225646	-0.0149377	0.010929	0.171688	0.589489	0.0800795	1.82E-13	-0.0253401	0.0188567	0.1790043	0.05523222	9	0.72148239
ENSG00000161904	6	LEMD2	33738979	rs4711347	6	33735292	A	G	0.500994	-0.0221967	0.00804915	0.00582197	-0.241814	0.0432241	2.21E-08	0.0917925	0.0371108	0.0133808	0.00129344	9	0.34907046
ENSG00000196821	6	C6orf106	34555065	rs112563428	6	34800435	T	C	0.101392	-0.0229541	0.0102111	0.0245788	0.449294	0.0519543	5.25E-18	-0.0510893	0.0234823	0.02958128	0.6046393	16	0.46490964
ENSG00000124562	6	SNRPC	34725183	rs9462030	6	34831280	T	C	0.335984	-0.0100994	0.00857655	0.238973	-0.39805	0.0485538	2.44E-16	0.0253722	0.0217675	0.2437774	0.01742041	13	0.76866335
ENSG00000065060	6	UHRF1BP1	34759857	rs137931729	6	34731686	G	A	0.335984	-0.0087725	0.00857096	0.306062	0.582749	0.0622558	7.93E-21	-0.0150537	0.0147955	0.3089372	0.02553331	16	0.80584798
ENSG00000198755	6	RPL10A	35436185	rs2076172	6	35436925	T	C	0.562624	0.00220199	0.0083167	0.791189	-0.25397	0.0450859	1.77E-08	-0.0086703	0.0327829	0.7914137	0.4140452	3	0.96351947
ENSG00000112041	6	TULP1	35465651	rs76032009	6	35478499	T	A	0.0755467	-0.0324314	0.0175448	0.0645327	1.01122	0.164624	8.12E-10	-0.0320716	0.0181187	0.07671394	0.08942938	11	0.5985152
ENSG00000096063	6	SRPK1	35800743	rs661337	6	35899883	C	T	0.321074	-0.0080144	0.0085467	0.348389	0.314939	0.0497258	2.40E-10	-0.0254475	0.0274335	0.3536115	0.5760809	7	0.83394496
ENSG00000156711	6	MAPK13	36095586	rs12210904	6	36098191	A	C	0.305169	0.0187497	0.00985155	0.0570112	0.300998	0.0486605	6.18E-10	0.0622918	0.0342438	0.06890138	0.1548306	5	0.57901957
ENSG00000246982	6	RP1-179N16.6	36114475	rs2859135	6	36114703	T	C	0.637177	-0.0149821	0.00919647	0.103288	-0.692905	0.0658412	6.70E-26	0.0216222	0.0134304	0.1074113	0.1704686	20	0.65854606
ENSG00000112130	6	RNF8	37321748	rs11755329	6	37368362	T	C	0.466203	-0.0162256	0.00833095	0.0514588	0.302055	0.0506626	2.49E-09	-0.0537174	0.0290152	0.06411902	0.1541147	15	0.5674036
ENSG00000198937	6	CCDC167	37450696	rs1812186	6	37465916	C	T	0.701789	-0.0117833	0.0083276	0.157077	0.382133	0.0423625	1.87E-19	-0.0308356	0.0220589	0.1621502	0.07906374	20	0.71666927
ENSG00000183826	6	BTBD9	38136227	rs12198616	6	38144000	C	G	0.590457	0.00831144	0.0080817	0.303749	0.253444	0.036469	3.66E-12	0.032794	0.0322348	0.308988	0.4097143	15	0.80584798
ENSG00000124767	6	GLO1	38643701	rs1781717	6	38662470	T	C	0.492048	-0.0063855	0.00821195	0.43681	-0.295792	0.0405074	2.83E-13	0.0215879	0.0279195	0.4393925	0.2459648	10	0.86824012
ENSG00000164627	6	KIF6	39297766	rs113886947	6	39684556	C	T	0.0765408	0.00289467	0.0154151	0.851048	0.520328	0.0813228	1.57E-10	0.00556316	0.0296385	0.8511113	0.9269045	6	0.97373113
ENSG00000161912	6	ADCY10P1	41068761	rs62396353	6	41121097	A	G	0.136183	0.0111647	0.0136182	0.412308	0.739842	0.0794288	1.22E-20	0.0150907	0.0184781	0.4141117	0.9075899	17	0.86117441
ENSG00000137218	6	FRS3	41737914	rs12530404	6	41728161	T	C	0.323062	-0.0252739	0.00896451	0.00481249	0.361799	0.0539843	2.06E-11	-0.0698562	0.0268807	0.00935653	0.7406193	9	0.31648103
ENSG00000112599	6	GUCA1B	42152139	rs9381159	6	42174984	T	C	0.637177	0.00409611	0.0088613	0.643904	0.714797	0.0705093	3.76E-24	0.00573045	0.0124098	0.6442482	0.03839168	13	0.92525205
ENSG00000048544	6	MRPS10	42174539	rs13197564	6	42184400	T	C	0.637177	0.00399486	0.00886038	0.652085	0.407256	0.0543261	6.55E-14	0.00980921	0.0217956	0.6526711	0.02924096	10	0.92885582
ENSG00000112619	6	PRPH2	42664340	rs3818087	6	42672407	C	T	0.256461	-0.0124102	0.00938345	0.18598	0.880545	0.0988897	5.37E-19	-0.0140938	0.0107733	0.1908018	0.1952989	15	0.73640034
ENSG00000124713	6	GNMT	42928496	rs2395943	6	42940673	G	A	0.588469	0.00276388	0.00811316	0.733355	-0.835961	0.0758303	2.92E-28	-0.0033062	0.00970982	0.7334772	0.8125196	20	0.94884724
ENSG00000124587	6	PEX6	42931608	rs9462857	6	42943098	C	T	0.461233	-0.0003489	0.00832965	0.966589	0.591398	0.0471293	4.05E-36	-0.00059	0.0140848	0.9665891	0.8869017	20	0.99428844
ENSG00000112659	6	CUL9	43149913	rs9472022	6	43152573	G	A	0.122266	0.00920565	0.0116054	0.427649	-0.429703	0.0471337	7.75E-20	-0.0214233	0.02711	0.4293901	0.2958419	20	0.86578195
ENSG00000112667	6	DNPH1	43193367	rs112177478	6	43157222	T	C	0.0606362	-0.0148298	0.0155341	0.339747	-0.444722	0.0743298	2.19E-09	0.0333462	0.0353718	0.3458161	0.7909022	9	0.82996866
ENSG00000196284	6	SUPT3H	44777054	rs12208621	6	44752003	C	G	0.32505	0.00899673	0.00853137	0.291633	0.679003	0.0967146	2.21E-12	0.0132499	0.0127055	0.2970186	0.2975572	20	0.80291535
ENSG00000124813	6	RUNX2	45295894	rs6458443	6	45408440	G	T	0.66501	-0.0009112	0.00856221	0.915245	0.412322	0.0652844	2.69E-10	-0.00221	0.0207688	0.9152571	0.5522016	6	0.98640395
ENSG00000231769	6	RP1-8B1.4	46064830	rs7766019	6	46083567	C	T	0.672962	0.0282388	0.00898299	0.0016689	-0.292858	0.0524015	2.29E-08	-0.0964249	0.035193	0.006146	0.8910024	4	0.28309029
ENSG00000112796	6	ENPP5	46126924	rs9367233	6	46069508	G	A	0.534791	0.0206483	0.00806594	0.0104691	-0.343675	0.0478182	6.62E-13	-0.0600809	0.024914	0.01588567	0.1870262	11	0.3522782
ENSG00000153291	6	SLC25A27	46620678	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	0.66038	0.0479254	3.39E-43	0.0356728	0.0137591	0.00952362	0.8006316	20	0.31648103
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.892718	0.069382	6.93E-38	-0.0263886	0.0102046	0.00971118	0.846466	20	0.31648103
ENSG00000146085	6	MUT	49398073	rs78391179	6	49485047	G	A	0.0129225	0.021391	0.0381926	0.575423	0.84957	0.143575	3.27E-09	0.0251786	0.0451561	0.5771243	0.5880491	4	0.89957869
ENSG00000031691	6	CENPQ	49431091	rs6908203	6	49420206	C	T	0.445328	0.00488169	0.00803718	0.543593	-0.428312	0.0492877	3.62E-18	-0.0113975	0.0188106	0.5445744	0.4600802	20	0.88843971
ENSG00000112118	6	MCM3	52128807	rs72925235	6	52361027	A	G	0.0407555	0.0137089	0.0271356	0.613419	1.05923	0.117166	1.56E-19	0.0129423	0.0256582	0.6139713	0.725909	4	0.91423182
ENSG00000170915	6	PAQR8	52226219	rs7749979	6	52220229	T	C	0.720676	0.0092961	0.00848152	0.273061	0.265204	0.0485381	4.66E-08	0.0350526	0.0326182	0.2825389	0.3778922	4	0.79552497
ENSG00000225791	6	TRAM2-AS1	52442105	rs34793449	6	52442282	C	G	0.387674	0.00826071	0.00817332	0.312163	-0.277935	0.0449962	6.54E-10	-0.0297217	0.0297984	0.3185568	0.043833	3	0.80963732
ENSG00000216775	6	RP1-152L7.5	52529946	rs1000810	6	52534931	T	C	0.714712	0.0104362	0.00889143	0.240499	-0.681856	0.106677	1.64E-10	-0.0153056	0.0132581	0.2483222	0.2878867	7	0.76959804
ENSG00000012660	6	ELOVL5	53132196	rs1864249	6	53206208	T	C	0.263419	-0.0183832	0.00948624	0.0526369	0.393107	0.0509051	1.14E-14	-0.0467639	0.0248797	0.06016237	0.4109072	12	0.55445831
ENSG00000137269	6	LRRC1	53659295	rs6910224	6	53705732	A	G	0.378728	0.0163617	0.00888757	0.0656266	0.356884	0.0526388	1.20E-11	0.045846	0.025805	0.07562867	0.3172896	12	0.59573523
ENSG00000151917	6	BEND6	56819773	rs12154043	6	56820163	A	G	0.754473	-0.0011594	0.00868208	0.893764	0.51678	0.0446447	5.49E-31	-0.0022436	0.0168015	0.8937711	0.3334998	20	0.9832899
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs6915273	6	58283185	T	C	0.373757	-0.0078325	0.00860069	0.362463	-0.468068	0.0612018	2.04E-14	0.0167337	0.0185047	0.36584	0.3525596	15	0.8352928
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs4928430	6	58303520	A	T	0.715706	0.00127033	0.00871113	0.884057	0.503812	0.0530458	2.15E-21	0.00252144	0.0172925	0.8840704	0.5717874	20	0.97910681
ENSG00000239650	6	GUSBP4	58246051	rs2078508	6	58315157	G	A	0.775348	0.00510278	0.00912785	0.576139	0.633758	0.0972495	7.18E-11	0.00805162	0.0144556	0.5775353	0.3117268	16	0.89957869
ENSG00000215190	6	LINC00680	58272352	rs6937922	6	58218257	G	A	0.602386	0.00482142	0.00835744	0.564006	-1.05592	0.0883804	6.70E-33	-0.0045661	0.00792406	0.5644596	0.3992702	20	0.89445177
ENSG00000230910	6	RP3-525N10.2	69339854	rs2256337	6	69345483	T	G	0.340954	0.00729058	0.00847703	0.389767	0.352378	0.0573537	8.05E-10	0.0206897	0.0242912	0.3943611	0.1697541	5	0.8477398
ENSG00000271967	6	RP11-134K13.4	71306141	rs9446273	6	71301264	C	T	0.428429	-0.0090692	0.00808536	0.261996	-0.509938	0.0705927	5.06E-13	0.017785	0.0160456	0.2676881	0.8793161	9	0.78131464
ENSG00000234882	6	EIF3EP1	74001685	rs12526214	6	74005932	T	C	0.0984095	-0.004161	0.0115253	0.718075	0.500623	0.0810888	6.67E-10	-0.0083116	0.0230612	0.718536	0.8314385	6	0.94753093
ENSG00000112697	6	TMEM30A	75962640	rs240424	6	75954970	A	G	0.949304	0.0154956	0.0204963	0.449638	0.430016	0.0580864	1.33E-13	0.0360349	0.0479119	0.4519863	0.4447573	5	0.86824012
ENSG00000112706	6	IMPG1	76630832	rs2002650	6	76652311	C	T	0.250497	0.00325683	0.0104641	0.755619	0.338835	0.0559304	1.38E-09	0.00961185	0.0309233	0.755931	0.5226615	7	0.95817698
ENSG00000146243	6	IRAK1BP1	79577189	rs9352675	6	79612800	A	G	0.479125	0.0236223	0.00807676	0.00344762	0.394761	0.0578016	8.52E-12	0.0598395	0.022257	0.00717597	0.6740471	11	0.28385138
ENSG00000233967	6	RP11-250B2.3	81153061	rs9361608	6	81072135	C	T	0.371769	-0.0015159	0.00834198	0.855806	0.461048	0.0840749	4.16E-08	-0.0032879	0.0181034	0.855884	0.02022948	5	0.97623336
ENSG00000118420	6	UBE3D	83602117	rs12203153	6	83679535	C	G	0.133201	0.0166809	0.0115418	0.148385	0.708298	0.0851425	8.87E-17	0.0235507	0.0165392	0.1544665	0.4284115	12	0.71396894
ENSG00000135318	6	NT5E	86159809	rs9344570	6	86793780	A	G	0.0526839	-0.0056785	0.0174516	0.74489	0.436843	0.0778028	1.97E-08	-0.012999	0.0400164	0.7453013	0.9755579	10	0.95384439
ENSG00000220563	6	PKMP3	86369610	rs9450326	6	86491210	T	C	0.545726	0.0237493	0.00808607	0.00331337	0.479334	0.0655899	2.71E-13	0.0495465	0.0181808	0.00642604	0.4302129	17	0.28385138
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.746682	0.0507482	5.28E-49	0.0421305	0.0111456	0.00015682	0.7995226	20	0.14181164
ENSG00000111850	6	SMIM8	88032301	rs9344704	6	88040356	A	G	0.115308	0.0112573	0.0120546	0.350377	0.615426	0.0822408	7.25E-14	0.0182919	0.0197393	0.3540972	0.3954718	8	0.83394496
ENSG00000083099	6	LYRM2	90277863	rs2768938	6	90436943	G	A	0.2167	-0.0142827	0.00958849	0.136338	0.69978	0.0679886	7.61E-25	-0.0204103	0.0138449	0.1404253	0.9525485	20	0.70248585
ENSG00000123545	6	NDUFAF4	97337189	rs12202527	6	97354319	A	G	0.132207	0.0113579	0.0122035	0.352006	0.326813	0.0419007	6.21E-15	0.0347535	0.0376058	0.355407	0.6233686	9	0.83410235
ENSG00000228506	6	RP11-98I9.4	99872798	rs4840044	6	99888013	G	A	0.493042	-0.0012041	0.00807225	0.881422	0.763589	0.07317	1.70E-25	-0.0015769	0.0105725	0.8814342	0.2247276	20	0.97794714
ENSG00000219755	6	RP1-199J3.5	100023588	rs644980	6	100038025	C	G	0.807157	0.0101154	0.00879892	0.250299	1.11516	0.0994256	3.40E-29	0.00907081	0.00793161	0.2527785	0.9326399	20	0.77199343
ENSG00000085382	6	HACE1	105175968	rs6571201	6	105167916	C	T	0.484095	0.00396668	0.00808031	0.623492	-0.21278	0.0363938	5.02E-09	-0.0186422	0.0381086	0.6247103	0.4829101	7	0.91838156
ENSG00000130348	6	QRSL1	107077453	rs11968502	6	107101998	A	G	0.405567	0.00073493	0.00803615	0.927133	-0.714076	0.0636841	3.53E-29	-0.0010292	0.0112543	0.927135	0.3271304	20	0.98793237
ENSG00000118690	6	ARMC2	109169619	rs2806379	6	109241362	G	A	0.793241	-0.0079764	0.0117956	0.498903	-0.310569	0.0439068	1.51E-12	0.0256832	0.0381538	0.5008514	0.8852973	7	0.87805165
ENSG00000155085	6	AK9	109814059	rs12198938	6	109822632	G	A	0.409543	-0.0148856	0.00816083	0.0681475	-0.505827	0.0569837	6.89E-19	0.0294282	0.0164707	0.07398613	0.748747	20	0.59352468
ENSG00000255389	6	C6orf3	111921078	rs33980500	6	111913262	T	C	0.0854871	-0.0202939	0.0155369	0.191493	-1.17799	0.117408	1.09E-23	0.0172276	0.0133006	0.1952358	0.815111	20	0.74217028
ENSG00000203778	6	FAM229B	112408802	rs4947166	6	112424565	C	T	0.499006	0.00213845	0.0081114	0.792062	0.365251	0.0493082	1.29E-13	0.00585474	0.0222218	0.7921896	0.06090393	7	0.96351947
ENSG00000188820	6	FAM26F	116782533	rs117361304	6	116783619	G	T	0.0914513	0.0182928	0.012437	0.141336	-0.845206	0.115957	3.12E-13	-0.021643	0.0150114	0.1493656	0.9415458	8	0.71143783
ENSG00000111832	6	RWDD1	116892530	rs147899431	6	116892681	C	G	0.0357853	-0.0249557	0.0388712	0.520866	-0.730497	0.128597	1.34E-08	0.0341626	0.0535508	0.5235072	0.6893266	4	0.88172312
ENSG00000111907	6	TPD52L1	125440195	rs9321027	6	125567436	C	T	0.125249	0.00464812	0.0138526	0.737218	-0.361212	0.0625275	7.61E-09	-0.0128681	0.038415	0.7376426	0.6799651	11	0.94972574
ENSG00000237742	6	RP11-624M8.1	125899704	rs3734634	6	126111800	A	G	0.493042	-0.0078654	0.00808235	0.330477	-0.667844	0.0617682	3.02E-27	0.0117773	0.0121511	0.3324275	0.6640767	20	0.81680644
ENSG00000196569	6	LAMA2	129204342	rs4552754	6	129151740	C	T	0.701789	0.0100934	0.00885723	0.254466	-0.348684	0.0543663	1.42E-10	-0.0289471	0.0257997	0.2618653	0.1677986	7	0.78131464
ENSG00000227954	6	RP3-323P13.2	133823390	rs7771144	6	133861857	T	A	0.132207	0.0103999	0.0126008	0.409177	-0.870679	0.0957334	9.47E-20	-0.0119446	0.0145319	0.4111003	0.5572187	13	0.85948219
ENSG00000118514	6	ALDH8A1	135238528	rs9376085	6	135371224	C	T	0.491054	0.00083944	0.00813756	0.917839	-0.803463	0.0608501	8.32E-40	-0.0010448	0.0101284	0.917842	0.4468896	20	0.98647463
ENSG00000112339	6	HBS1L	135281516	rs12527683	6	135324534	T	C	0.491054	0.00130216	0.00813742	0.872865	-0.528617	0.0507277	2.00E-25	-0.0024633	0.0153956	0.8728792	0.3641991	20	0.97700295
ENSG00000232876	6	CTA-212D2.2	135376171	rs6910530	6	135332770	T	C	0.489066	0.00124135	0.00813924	0.878781	-0.916707	0.0806544	6.18E-30	-0.0013541	0.00887958	0.8787922	0.4393172	20	0.97700295
ENSG00000135541	6	AHI1	135604670	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.614936	0.0615183	1.59E-23	-0.0072447	0.0170177	0.6703135	0.5301945	19	0.93322639
ENSG00000234084	6	RP3-388E23.2	135622706	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.622915	0.0838668	1.11E-13	-0.0071519	0.0168121	0.6705415	0.4659888	5	0.93322639
ENSG00000112357	6	PEX7	137143717	rs13218636	6	137195182	A	G	0.0984095	-0.0137495	0.0133784	0.304072	-0.540896	0.0779528	3.96E-12	0.0254199	0.0250036	0.3093211	0.00044229	6	0.80584798
ENSG00000016402	6	IL20RA	137321108	rs9376244	6	137368147	A	G	0.0745527	-0.0071563	0.016672	0.667747	-0.547454	0.0774206	1.54E-12	0.013072	0.0305098	0.6683204	0.8374973	7	0.93322639
ENSG00000225177	6	RP11-390P2.4	139013685	rs1129180	6	139018132	G	A	0.22167	-0.0077603	0.0102507	0.449023	0.542784	0.0533974	2.84E-24	-0.0142972	0.0189377	0.4502742	0.7631842	20	0.86824012
ENSG00000270638	6	RP3-466P17.1	146056706	rs9373475	6	146126419	T	C	0.410537	0.00215869	0.00807035	0.789096	0.582098	0.085297	8.83E-12	0.00370846	0.0138749	0.7892545	0.4067114	10	0.96351947
ENSG00000235652	6	RP11-545I5.3	146136048	rs62435775	6	146136415	C	G	0.333002	0.00280221	0.00827967	0.735028	0.49842	0.0552817	1.95E-19	0.00562219	0.0166235	0.7352076	0.6935379	14	0.94957081
ENSG00000228408	6	RP1-111D6.3	149539062	rs9404018	6	149532486	C	T	0.303181	-0.009263	0.00920102	0.31406	0.418165	0.0697525	2.04E-09	-0.0221516	0.0223114	0.3207892	0.1623788	11	0.81006577
ENSG00000231760	6	RP11-350J20.5	150117711	rs9027	6	149916057	A	T	0.360835	0.00735101	0.0084059	0.381843	0.8079	0.0915387	1.09E-18	0.00909891	0.0104556	0.3841668	0.2146185	20	0.84682194
ENSG00000268592	6	RP11-244K5.8	150183733	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	0.57659	0.0879842	5.63E-11	0.0115131	0.014269	0.4197474	0.2089011	9	0.86244767
ENSG00000203722	6	RAET1G	150238014	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	0.621876	0.0728154	1.34E-17	0.0106747	0.0131886	0.4182931	0.3218224	19	0.86117441
ENSG00000112031	6	MTRF1L	153308497	rs506219	6	153333883	T	C	0.695825	0.0297863	0.00897813	0.0009078	-0.783291	0.0680023	1.06E-30	-0.0380271	0.011928	0.00143237	0.06854046	16	0.2035838
ENSG00000235381	6	RP11-477D19.2	155574273	rs13220615	6	155587709	G	T	0.572565	0.00981079	0.00811047	0.226415	-0.555827	0.0684629	4.71E-16	-0.0176508	0.0147528	0.2315258	0.9493711	20	0.76373142
ENSG00000271265	6	RP11-230C9.4	157095351	rs4870488	6	157095457	C	T	0.229622	-0.0012577	0.00912769	0.890405	0.555857	0.0957509	6.43E-09	-0.0022627	0.0164256	0.8904357	0.9734155	5	0.9823943
ENSG00000215712	6	TMEM242	157710418	rs9366053	6	157722126	A	G	0.253479	0.00236591	0.0095157	0.803645	-0.335303	0.0486332	5.40E-12	-0.007056	0.0283979	0.8037702	0.2018363	9	0.96471558
ENSG00000224478	6	RP11-13P5.1	159528823	rs755617	6	159516770	T	G	0.446322	0.00686769	0.00810964	0.397075	-0.520169	0.0899182	7.26E-09	-0.0132028	0.0157566	0.4020732	0.3991446	10	0.85349175
ENSG00000146453	6	PNLDC1	160221298	rs9346795	6	160211697	T	C	0.243539	0.00164011	0.00926728	0.859525	0.507174	0.0657986	1.28E-14	0.00323382	0.0182772	0.8595618	0.712968	7	0.97667971
ENSG00000146477	6	SLC22A3	160769300	rs3127574	6	160791370	G	C	0.49503	0.00799189	0.00804695	0.320633	0.437738	0.0641617	8.95E-12	0.0182572	0.0185768	0.3257065	0.4054118	20	0.81464005
ENSG00000112486	6	CCR6	167525295	rs73039146	6	167501922	T	C	0.0188867	-0.011785	0.0537723	0.826522	-1.38003	0.25262	4.69E-08	0.00853967	0.0389959	0.8266588	0.9974377	5	0.96861312
ENSG00000272549	6	RP11-351J23.2	168067520	rs926263	6	168187371	C	G	0.261431	-0.00675	0.0098808	0.494518	0.732295	0.0976186	6.30E-14	-0.0092176	0.0135488	0.4962981	0.5062407	7	0.87805165
ENSG00000203688	6	RP11-351J23.1	168080306	rs76359301	6	168185097	C	A	0.238569	-0.0062651	0.0104498	0.54881	1.03247	0.107836	1.02E-21	-0.0060681	0.010141	0.5495921	0.844928	10	0.89134276
ENSG00000235994	6	RP3-470B24.5	168376604	rs2636362	6	168395245	G	T	0.38668	0.00219243	0.00886171	0.804595	-0.596081	0.0922008	1.01E-10	-0.0036781	0.0148775	0.804735	0.1985737	15	0.96471558
ENSG00000229921	6	KIF25-AS1	168393502	rs2636362	6	168395245	G	T	0.38668	0.00219243	0.00886171	0.804595	-0.723289	0.0918641	3.45E-15	-0.0030312	0.012258	0.8046894	0.1936935	20	0.96471558
ENSG00000125337	6	KIF25	168396921	rs7748353	6	168451021	T	G	0.654076	-0.0098983	0.00842093	0.239819	-0.645537	0.0986288	5.94E-11	0.0153334	0.0132535	0.2473005	0.5799647	4	0.76959804
ENSG00000237987	6	RP11-503C24.2	168625959	rs9456005	6	168634240	C	A	0.183897	0.0060907	0.0126817	0.631033	0.734391	0.118039	4.92E-10	0.00829354	0.0173197	0.6320453	0.1721449	8	0.92131215
ENSG00000186340	6	THBS2	169615875	rs62435218	6	169642301	T	C	0.147117	-0.0016554	0.0107598	0.87773	0.35785	0.0628358	1.23E-08	-0.0046259	0.0300789	0.8777741	0.7413154	10	0.97700295
ENSG00000226194	6	RP1-137D17.1	169770093	rs3006195	6	169934212	A	C	0.732604	-0.0101002	0.00938373	0.281771	-0.538237	0.088418	1.15E-09	0.0187653	0.0177046	0.2891849	0.9114719	17	0.79708722
ENSG00000236173	6	RP1-182D15.2	170209414	rs12193054	6	170210741	T	C	0.05666	-0.0187726	0.0198814	0.345052	-1.26555	0.152801	1.21E-16	0.0148336	0.0158115	0.3481661	0.9716903	11	0.83077006
ENSG00000273100	6	RP11-302L19.3	170493905	rs78473962	6	170483740	T	C	0.414513	0.0100379	0.00810094	0.215308	0.456711	0.0571034	1.26E-15	0.0219787	0.0179492	0.2207656	0.4685704	20	0.75807011
ENSG00000261003	6	RP1-140C12.2	170723227	rs13207394	6	170713885	G	C	0.0715706	-0.0013	0.0195127	0.946881	1.01261	0.13678	1.33E-13	-0.0012838	0.0192705	0.9468834	0.4599634	11	0.99289521
ENSG00000240859	7	AC093627.10	149597	rs76029673	7	161970	A	G	0.0367793	-0.0331414	0.0198264	0.0946063	-1.40331	0.199106	1.81E-12	0.0236166	0.0145202	0.1038515	0.9087119	7	0.65538717
ENSG00000223855	7	AC147651.3	560028	rs9801322	7	564240	G	A	0.175944	0.00829487	0.0105012	0.429588	1.31418	0.100231	2.83E-39	0.00631182	0.00800517	0.4304231	0.2947826	15	0.86609543
ENSG00000146540	7	C7orf50	1036622	rs80133931	7	1027286	T	C	0.0705765	-0.018337	0.01652	0.267004	0.525188	0.0723297	3.84E-13	-0.0349151	0.0318208	0.272536	0.8370131	20	0.78842494
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.28565	0.0765757	2.92E-63	-0.0055872	0.00654009	0.3929426	0.7624503	20	0.8477398
ENSG00000164880	7	INTS1	1509913	rs7806171	7	1542125	G	A	0.462227	0.00582917	0.00805946	0.469514	-0.575799	0.0542518	2.58E-26	-0.0101236	0.0140295	0.4705423	0.7044775	20	0.87345602
ENSG00000230487	7	PSMG3-AS1	1609709	rs7458089	7	1628951	G	A	0.111332	-0.0016662	0.0107915	0.877297	-0.612307	0.0964544	2.18E-10	0.00272115	0.0176295	0.8773324	0.4858708	5	0.97700295
ENSG00000176349	7	AC110781.3	1878222	rs10234557	7	1886333	G	A	0.600398	-0.0134304	0.00813788	0.0988712	-0.442607	0.0802206	3.44E-08	0.0303439	0.0191912	0.1138467	0.3252517	10	0.66853336
ENSG00000122687	7	FTSJ2	2273866	rs7799006	7	2278226	T	C	0.342942	-0.0027837	0.00878112	0.751239	0.460359	0.0591134	6.82E-15	-0.0060467	0.0190903	0.7514379	0.2418728	20	0.95470287
ENSG00000174945	7	AMZ1	2719156	rs7808070	7	2744452	A	G	0.538767	1.89E-05	0.00805589	0.998131	0.507228	0.0716938	1.50E-12	3.72E-05	0.0158822	0.9981312	0.00176056	20	0.99886311
ENSG00000146535	7	GNA12	2767746	rs9332401	7	2814734	G	A	0.186879	0.00121942	0.0118954	0.918351	0.208138	0.0339529	8.78E-10	0.00585871	0.0571595	0.9183617	0.1351524	19	0.98647463
ENSG00000196204	7	RNF216P1	5013619	rs9639893	7	5036645	C	T	0.110338	-0.0259861	0.0154873	0.0933684	-0.959676	0.122952	5.94E-15	0.027078	0.0165067	0.1009174	0.3163347	9	0.64940744
ENSG00000146587	7	RBAK	5085452	rs76880254	7	5012153	C	G	0.112326	-0.0222105	0.0151486	0.142601	0.665603	0.101002	4.40E-11	-0.033369	0.0233157	0.1523783	0.3867481	10	0.71191488
ENSG00000159904	7	ZNF890P	5160870	rs308085	7	5886060	T	C	0.445328	-0.0031043	0.00812004	0.702237	0.600979	0.0878907	8.04E-12	-0.0051654	0.0135325	0.7026802	0.8962981	15	0.94421269
ENSG00000155034	7	FBXL18	5470966	rs10046576	7	5521219	C	T	0.942346	-0.0160148	0.017462	0.35908	-0.490114	0.0715328	7.30E-12	0.0326757	0.0359462	0.3633419	0.8387689	17	0.8352928
ENSG00000122674	7	CCZ1	5938356	rs7807287	7	6877519	G	A	0.44831	-0.0069425	0.00826067	0.40067	0.793187	0.0954084	9.28E-17	-0.0087526	0.0104676	0.4030626	0.8051332	9	0.85392848
ENSG00000136238	7	RAC1	6414154	rs836550	7	6440437	G	A	0.402584	0.00423688	0.00806517	0.599353	0.231072	0.0398726	6.82E-09	0.0183358	0.0350464	0.6008453	0.6652553	12	0.91118981
ENSG00000187953	7	PMS2CL	6749759	rs113937567	7	6020598	T	C	0.0576541	0.0150732	0.0136621	0.269903	0.940183	0.129773	4.33E-13	0.0160322	0.0146989	0.2754002	0.8684864	16	0.79054752
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.876975	0.097007	1.56E-19	0.00635764	0.00941336	0.4994314	0.2545135	20	0.87805165
ENSG00000106392	7	C1GALT1	7196565	rs10246303	7	7286445	T	A	0.439364	-0.0051191	0.00807606	0.526172	0.521228	0.0585148	5.21E-19	-0.0098212	0.0155335	0.5272163	0.1721371	20	0.88292525
ENSG00000230825	7	AC005532.5	7294785	rs7804546	7	7318310	C	T	0.384692	-0.005824	0.00808632	0.471382	-0.643517	0.0846946	3.01E-14	0.00905031	0.0126221	0.4733628	0.5329923	18	0.87401101
ENSG00000215018	7	COL28A1	7395834	rs6977450	7	7592614	C	A	0.700795	0.0155008	0.00868982	0.0744595	0.546446	0.0613334	5.13E-19	0.0283666	0.016218	0.08027779	0.2981172	20	0.60868991
ENSG00000272894	7	RP5-1159O4.1	7592093	rs73674582	7	7605391	T	C	0.254473	-0.0185873	0.00881886	0.035059	0.459186	0.0684616	1.98E-11	-0.0404788	0.0201313	0.0443534	0.04288858	8	0.52029162
ENSG00000106399	7	RPA3	7676149	rs3735460	7	7679885	A	G	0.0914513	-0.0414979	0.0144088	0.00397631	0.372723	0.0640403	5.88E-09	-0.111337	0.0431323	0.00984319	0.7649189	20	0.31648103
ENSG00000244239	7	AC007009.1	8301863	rs9472	7	8302284	A	G	0.560636	-0.0022881	0.00805941	0.776485	0.405684	0.0603134	1.74E-11	-0.0056401	0.0198839	0.7766793	0.5908937	7	0.96329762
ENSG00000146530	7	VWDE	12370511	rs2287067	7	12370533	C	T	0.197813	0.00067415	0.00961331	0.944093	-0.614148	0.0735215	6.64E-17	-0.0010977	0.0156536	0.9440946	0.9406307	20	0.99247344
ENSG00000272361	7	GS1-166A23.2	16633253	rs17169559	7	16644141	G	T	0.2167	0.0115102	0.00974144	0.237377	0.501752	0.0831064	1.57E-09	0.02294	0.0197832	0.2462227	0.8883121	4	0.76959804
ENSG00000237773	7	AC003075.4	17319458	rs4719497	7	17334899	C	T	0.124254	0.00291338	0.0126872	0.818378	0.97956	0.134019	2.69E-13	0.00297417	0.0129583	0.8184662	0.668392	14	0.96687326
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-1.19568	0.111053	4.94E-27	0.0274532	0.0159791	0.08578386	0.00694966	10	0.62176719
ENSG00000196683	7	TOMM7	22852251	rs2240726	7	22853135	T	C	0.331014	-0.0024555	0.00824393	0.765813	-0.387167	0.0373861	3.93E-25	0.0063422	0.0213018	0.7659083	0.9698178	20	0.96002846
ENSG00000230658	7	KLHL7-AS1	23140847	rs6953728	7	23121304	A	G	0.361829	-0.0050298	0.0083111	0.545051	1.1754	0.0837987	1.07E-44	-0.0042792	0.00707745	0.5454253	0.04727597	20	0.88843971
ENSG00000136243	7	NUPL2	23221446	rs6968810	7	23241791	C	G	0.324056	-0.0005403	0.00897791	0.952013	-0.632953	0.07589	7.40E-17	0.00085358	0.0141845	0.9520148	0.5359647	20	0.99378914
ENSG00000226816	7	AC005082.12	23245632	rs7789237	7	23124713	G	T	0.363817	-0.0052527	0.00829557	0.526606	0.471046	0.0627019	5.80E-14	-0.0111512	0.0176734	0.5280676	0.02239489	20	0.88344574
ENSG00000136235	7	GPNMB	23275586	rs199351	7	23300049	C	A	0.383698	0.0024865	0.00829482	0.764357	-0.743765	0.0827661	2.56E-19	-0.0033431	0.0111587	0.7644832	0.4860959	20	0.95964323
ENSG00000188732	7	FAM221A	23719749	rs56359038	7	23719779	A	G	0.481113	0.0111381	0.00810378	0.169309	0.742739	0.066508	5.87E-29	0.014996	0.010993	0.1725234	0.1876143	20	0.72148239
ENSG00000196335	7	STK31	23749786	rs4722245	7	23721573	A	G	0.482107	0.0109948	0.00810211	0.174771	0.351755	0.0482669	3.15E-13	0.031257	0.0234293	0.1821719	0.5929328	20	0.72535925
ENSG00000105926	7	MPP6	24612887	rs6952491	7	24590979	A	C	0.281312	0.00894126	0.00889297	0.31469	-0.22234	0.04076	4.90E-08	-0.0402144	0.0406709	0.3227735	0.6607825	5	0.81165121
ENSG00000105928	7	DFNA5	24737972	rs2721811	7	24749429	G	A	0.421471	0.0296628	0.00805688	0.00023171	0.818019	0.0721067	7.89E-30	0.0362618	0.0103549	0.00046199	0.495313	20	0.16772553
ENSG00000223561	7	AC003090.1	25632971	rs4722516	7	25783822	G	C	0.313121	-0.0012339	0.00854587	0.885195	0.468896	0.0789911	2.92E-09	-0.0026315	0.0182309	0.8852288	0.1233234	12	0.97920911
ENSG00000214870	7	AC004540.5	26438213	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.402104	0.0578739	3.71E-12	0.00806035	0.0200788	0.6880989	0.04986863	4	0.93988406
ENSG00000122548	7	KIAA0087	26572740	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.404237	0.0692034	5.18E-09	0.00801782	0.0199867	0.6883033	0.1878897	3	0.93988406
ENSG00000234336	7	JAZF1-AS1	28219941	rs10255700	7	28220228	T	C	0.0904573	-0.0231352	0.0152244	0.128609	-0.681629	0.0790339	6.44E-18	0.033941	0.0226794	0.1345077	0.2324553	8	0.6978893

ENSG00000228421	7	AC005013.5	28997283	rs1006521	7	28996220	A	G	0.617296	0.00506794	0.00809193	0.531122	0.675918	0.0876976	1.28E-14	0.00749786	0.0120112	0.5324713	0.1804918	13	0.88643447
ENSG00000272568	7	CTB-113D17.1	29019583	rs76335499	7	29039241	T	C	0.084493	0.00456232	0.0170198	0.788653	0.911759	0.100429	1.10E-19	0.00500387	0.0186751	0.7887434	0.8953562	14	0.96351947
ENSG00000106066	7	CPVL	29034847	rs67534367	7	29129078	C	T	0.166998	0.0146438	0.0110393	0.184672	-0.450124	0.0752597	2.22E-09	-0.0325328	0.025121	0.1953046	0.9879989	6	0.74217028
ENSG00000223813	7	AC007255.8	29553841	rs190386206	7	29731034	C	G	0.0159046	-0.0144125	0.0423384	0.733547	1.59574	0.268328	2.73E-09	-0.0090319	0.0265756	0.7339652	0.3785498	3	0.94910294
ENSG00000006625	7	GGCT	30536237	rs38484	7	30608652	A	T	0.701789	-0.0030846	0.00881434	0.726375	-0.44888	0.0601378	8.38E-14	0.00687177	0.0196579	0.7266626	0.2554337	18	0.94753093
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-1.19862	0.0768496	7.63E-55	-0.0002844	0.00744323	0.9695212	0.1940789	20	0.99428844
ENSG00000244480	7	AC005154.7	30562759	rs2529441	7	30646917	C	T	0.762425	0.00020302	0.0089538	0.98191	-0.6664	0.0817289	3.53E-16	-0.0003047	0.0134361	0.9819101	0.3348703	20	0.99524087
ENSG00000226468	7	AC018641.7	32496575	rs7812030	7	32554318	A	G	0.331014	-0.0188296	0.00915999	0.0398171	0.622426	0.0824388	4.35E-14	-0.030252	0.0152523	0.04731877	0.7204654	20	0.52621691
ENSG00000205763	7	RP9P	32956427	rs73101892	7	32963898	A	G	0.185885	-0.0050318	0.00978013	0.606908	-0.527595	0.0633039	7.79E-17	0.00953724	0.0185725	0.6075914	0.793653	19	0.91214701
ENSG00000164610	7	RP9	33134409	rs73101892	7	32963898	A	G	0.185885	-0.0050318	0.00978013	0.606908	0.556481	0.0764416	3.34E-13	-0.0090422	0.0176188	0.607803	0.4437318	16	0.91214701
ENSG00000271122	7	RP11-379H18.1	35734824	rs702842	7	35737085	C	G	0.544732	-0.0016145	0.00806061	0.841246	0.586992	0.0705508	8.79E-17	-0.0027505	0.013736	0.8412914	0.7179847	6	0.97214076
ENSG00000227191	7	TRGC2	38279181	rs2075012	7	38309651	T	A	0.45825	0.00269103	0.00806989	0.738783	-0.775961	0.059132	2.45E-39	-0.003468	0.0104032	0.7388641	0.3653775	20	0.95026062
ENSG00000211688	7	TRGJP2	38295938	rs2075012	7	38309651	T	A	0.45825	0.00269103	0.00806989	0.738783	-0.661358	0.0678671	1.94E-22	-0.004069	0.0122091	0.7389301	0.4364812	20	0.95026062
ENSG00000211689	7	TRGC1	38297480	rs2270169	7	38323398	A	G	0.457256	0.00030713	0.00808912	0.969713	-0.570097	0.0702749	4.96E-16	-0.0005387	0.0141892	0.9697138	0.7483533	15	0.99428844
ENSG00000261019	7	RP11-111K18.2	42940871	rs644106	7	42950905	T	C	0.872763	-0.0088276	0.0162307	0.58652	0.793694	0.120767	4.96E-11	-0.0111222	0.0205195	0.5877966	0.4738654	11	0.90466368
ENSG00000136197	7	C7orf25	42948325	rs616746	7	42942731	T	G	0.870775	-0.0086179	0.0154941	0.578072	-0.450964	0.0670066	1.69E-11	0.0191099	0.0344749	0.5793647	0.4978156	13	0.89957869
ENSG00000241057	7	AC004985.12	44001189	rs150606104	7	44069220	A	G	0.117296	0.0243689	0.0132026	0.0649277	0.837554	0.11895	1.91E-12	0.0290953	0.0162959	0.0741899	0.08178622	20	0.59352468
ENSG00000239556	7	AC004951.5	44024593	rs2330943	7	44027348	G	A	0.588469	-0.0052013	0.00825422	0.528601	0.463066	0.0826314	2.09E-08	-0.0112324	0.0179375	0.5311859	0.8559877	9	0.88643447
ENSG00000228903	7	RASA4CP	44066550	rs61131874	7	44046844	G	A	0.32008	-0.018718	0.00876368	0.0326911	0.356632	0.0607975	4.47E-09	-0.0524855	0.0261517	0.04475401	0.6658135	12	0.52029162
ENSG00000235314	7	LINC00957	44078770	rs4724282	7	44126200	A	G	0.234592	0.00754336	0.00870439	0.386153	-0.297749	0.0448312	3.10E-11	-0.0253346	0.0294818	0.3901579	0.3877537	6	0.8477398
ENSG00000122678	7	POLM	44111846	rs192551582	7	44093424	T	C	0.0914513	0.00869706	0.0128562	0.498733	0.66556	0.102169	7.30E-11	0.0130673	0.0194202	0.5010305	0.1108285	17	0.87805165
ENSG00000106624	7	AEBP1	44143960	rs2239614	7	44143124	T	C	0.673956	-0.0024412	0.00868222	0.778574	-0.359852	0.0556687	1.02E-10	0.00678401	0.02415	0.7787784	0.00618316	7	0.96329762
ENSG00000106628	7	POLD2	44154286	rs137888771	7	44182127	A	T	0.0119284	0.0571982	0.0519478	0.270866	-1.56815	0.18421	1.70E-17	-0.036475	0.0334028	0.2748443	0.9455604	3	0.79054752
ENSG00000015676	7	NUDCD3	44418720	rs306995	7	44539829	A	G	0.191849	0.00085657	0.0100237	0.931901	0.185563	0.0327752	1.50E-08	0.00461604	0.0540239	0.9319081	0.3734249	5	0.99052049
ENSG00000122515	7	ZMIZ2	44788180	rs1065647	7	44809276	C	G	0.469185	-0.0082499	0.0081064	0.30882	0.25203	0.0330677	2.50E-14	-0.0327338	0.0324499	0.3130956	0.3034618	18	0.80664288
ENSG00000232956	7	SNHG15	45022622	rs4551245	7	45045830	G	C	0.15507	-0.0013562	0.0112245	0.903831	0.484295	0.0870034	2.60E-08	-0.0028003	0.0231824	0.9038536	0.59913	5	0.98439248
ENSG00000214765	7	SEPT7P2	45763379	rs2960287	7	45765234	T	G	0.489066	0.0150244	0.00806781	0.0625662	-0.309075	0.0505495	9.70E-10	-0.0486109	0.027287	0.07483611	0.02895195	5	0.59573523
ENSG00000272556	7	RP11-638I8.1	45854201	rs59599182	7	45865356	A	G	0.152087	0.0120386	0.0124481	0.333493	-0.661109	0.0777329	1.82E-17	-0.0182097	0.0189505	0.336597	0.01904289	20	0.82007347
ENSG00000158683	7	PKD1L1	47814250	rs28880325	7	48029668	G	A	0.430417	0.00457167	0.0085286	0.591931	0.434786	0.0761114	1.11E-08	0.0105148	0.0197018	0.5935523	0.6123371	16	0.90711663
ENSG00000132436	7	FIGNL1	50511831	rs12670555	7	50465654	G	A	0.466203	0.0142227	0.00820372	0.0829736	0.445119	0.0543397	2.58E-16	0.0319526	0.0188387	0.08986373	0.1776215	20	0.63306891
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.20974	0.080626	6.88E-51	0.0108094	0.00768706	0.1596689	0.5276008	20	0.71666927
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.652408	0.0819672	1.73E-15	0.0200436	0.0144128	0.1643235	0.2183693	12	0.71666927
ENSG00000129103	7	SUMF2	56131695	rs2538047	7	56165396	G	C	0.483101	-0.0015534	0.00816211	0.849063	-0.31925	0.0542196	3.91E-09	0.00486569	0.0255799	0.8491403	0.884272	13	0.97278648
ENSG00000106153	7	CHCHD2	56169262	rs6955615	7	56098796	T	C	0.156064	-0.0043857	0.0106115	0.67939	0.332033	0.0502633	3.95E-11	-0.0132086	0.0320217	0.67998	0.7932615	20	0.93712252
ENSG00000185290	7	NUPR1L	56182374	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.843069	0.0839152	9.50E-24	0.0155107	0.0110898	0.1619184	0.5174693	20	0.71666927
ENSG00000173041	7	ZNF680	63980262	rs56351418	7	63966673	A	G	0.269384	0.0026185	0.00870033	0.76344	-0.37175	0.0512103	3.89E-13	-0.0070437	0.0234238	0.7636377	0.3160805	20	0.95964323
ENSG00000197008	7	ZNF138	64254766	rs13226426	7	64285288	G	T	0.591451	-0.0113083	0.00820619	0.168198	0.570121	0.0635851	3.07E-19	-0.0198349	0.0145628	0.1731888	0.6809935	20	0.72148239
ENSG00000213640	7	RP11-797H7.3	64323377	rs6960979	7	64323479	G	A	0.49503	-0.0132628	0.00808295	0.100833	-0.666277	0.0672978	4.14E-23	0.0199058	0.012297	0.1054999	0.9056007	20	0.65763337
ENSG00000198039	7	ZNF273	64330550	rs6960979	7	64323479	G	A	0.49503	-0.0132628	0.00808295	0.100833	-0.325133	0.0436815	9.82E-14	0.0407919	0.0254573	0.1090752	0.8508543	20	0.65854606
ENSG00000152926	7	ZNF117	64432154	rs2011268	7	64899486	G	A	0.196819	-0.0038764	0.0108001	0.719653	-0.411186	0.062877	6.17E-11	0.00942734	0.0263053	0.7200572	0.6521416	15	0.94753093
ENSG00000213462	7	ERV3-1	64451187	rs7801355	7	64482282	C	T	0.398608	-0.00432	0.00831208	0.603258	0.769151	0.0695354	1.93E-28	-0.0056165	0.0108187	0.6036584	0.9760613	20	0.91190522
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-0.966304	0.0671934	6.82E-47	-0.0054232	0.00843886	0.5204563	0.9849116	20	0.88027463
ENSG00000227113	7	RP11-460N20.4	64535401	rs13232826	7	64481211	C	A	0.398608	-0.0043526	0.00830894	0.600384	0.515891	0.0861026	2.08E-09	-0.0084371	0.0161674	0.601769	0.7855623	15	0.91118981
ENSG00000226002	7	RP11-460N20.5	64544481	rs7801355	7	64482282	C	T	0.398608	-0.00432	0.00831208	0.603258	0.911931	0.0825545	2.28E-28	-0.0047372	0.0091249	0.6036595	0.5143752	20	0.91190522
ENSG00000164669	7	INTS4L1	64601603	rs7796077	7	64694241	A	T	0.423459	-0.0060785	0.00821123	0.459142	-0.866146	0.0719074	2.05E-33	0.00701781	0.00949808	0.459988	0.905294	20	0.87171059
ENSG00000179406	7	LINC00174	65841031	rs4718347	7	65904888	G	A	0.055666	-0.0081096	0.0150897	0.590975	0.58245	0.0850205	7.35E-12	-0.0139232	0.0259869	0.5921128	0.2640931	8	0.90646236
ENSG00000237310	7	GS1-124K5.4	65958693	rs1638735	7	66095738	G	A	0.743539	0.0114315	0.00943278	0.225554	-0.605716	0.0673874	2.50E-19	-0.0188727	0.0157138	0.2297419	0.1874355	14	0.76373142
ENSG00000229180	7	GS1-124K5.11	65991075	rs10281646	7	66083976	G	A	0.512922	0.0112792	0.00806798	0.162106	0.31627	0.0572375	3.28E-08	0.0356632	0.0263136	0.1753176	0.7007575	13	0.72148239
ENSG00000243335	7	KCTD7	66093868	rs1540651	7	65650121	T	C	0.576541	0.0142689	0.0080946	0.0779381	0.354261	0.0619961	1.10E-08	0.0402779	0.0239118	0.09209666	0.7421651	13	0.6364989
ENSG00000226824	7	RP4-756H11.3	66119525	rs2659909	7	66160279	A	G	0.542744	-0.0145459	0.00826285	0.0783394	-1.12011	0.0726024	1.06E-53	0.0129861	0.00742469	0.08028269	0.9370773	20	0.60868991
ENSG00000273142	7	RP11-458F8.4	66367844	rs13227468	7	66433563	C	T	0.282306	-0.005991	0.00836885	0.474075	-0.443537	0.0578891	1.83E-14	0.0135072	0.0189506	0.4759944	0.04764586	20	0.87515506
ENSG00000198874	7	TYW1	66460160	rs3980757	7	66590764	A	G	0.2167	-0.0168375	0.0109842	0.125304	1.03388	0.0885776	1.77E-31	-0.0162857	0.0107155	0.128553	0.7304875	9	0.68740019
ENSG00000106610	7	STAG3L4	66767608	rs9443	7	66785137	A	C	0.392644	0.00340825	0.0089224	0.70247	-0.946862	0.065234	9.76E-48	-0.0035995	0.00942639	0.7025683	0.2824666	20	0.94421269
ENSG00000273448	7	RP11-166O4.6	66798034	rs1968149	7	66817008	T	C	0.407555	-0.0011964	0.00837961	0.886466	0.572118	0.0877741	7.12E-11	-0.0020912	0.0146502	0.8864929	0.4870495	15	0.97936644
ENSG00000196313	7	POM121	72349936	rs10263660	7	72368345	T	C	0.526839	0.00695407	0.00812962	0.39233	-0.352255	0.0457942	1.45E-14	-0.0197416	0.0232211	0.3952369	0.3688785	7	0.8477398
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.629644	0.098566	1.68E-10	-0.0142721	0.014123	0.3122276	0.7844445	3	0.80584798
ENSG00000189143	7	CLDN4	73213872	rs4301345	7	73259935	C	T	0.724652	0.00406524	0.00869267	0.640025	-0.622205	0.0801351	8.20E-15	-0.0065336	0.0139961	0.6406308	0.4700397	11	0.92525205
ENSG00000165171	7	WBSCR27	73248920	rs1073909	7	73258289	C	G	0.727634	0.00539556	0.00869525	0.534917	-1.03829	0.0772442	3.45E-41	-0.0051966	0.00838351	0.5353513	0.2909225	20	0.88745609
ENSG00000196275	7	GTF2IRD2	74210483	rs810366	7	74140925	G	C	0.806163	-0.0368269	0.0104766	0.0004395	-0.767846	0.070186	7.41E-28	0.0479613	0.0143311	0.00081795	0.1253945	20	0.16772553
ENSG00000123965	7	PMS2P5	74306894	rs2529275	7	74294925	C	T	0.798211	-0.0232974	0.0104219	0.0253898	-1.18146	0.0994034	1.41E-32	0.0197192	0.00897587	0.028027	0.03436507	20	0.45492837
ENSG00000184616	7	AC004166.6	74320406	rs150866928	7	74347311	A	T	0.0238569	0.0233471	0.0205944	0.256937	-1.43589	0.246305	5.55E-09	-0.0162597	0.0146113	0.2657871	0.9372572	5	0.78131464
ENSG00000205583	7	STAG3L1	74988448	rs6944634	7	75061769	C	G	0.810139	0.00809241	0.0112113	0.470413	-0.73579	0.120406	9.91E-10	-0.0109983	0.015343	0.473482	0.3138178	7	0.87401101
ENSG00000223705	7	NSUN5P1	75039605	rs62477737	7	75162278	G	A	0.814115	0.0085461	0.0113061	0.44972	-0.34883	0.0553399	2.91E-10	-0.0244993	0.0326437	0.4529494	0.1040855	8	0.86824012
ENSG00000127957	7	PMS2P3	75132254	rs62477685	7	75101707	T	A	0.444334	-0.0145014	0.00805101	0.0716737	0.502081	0.0796221	2.87E-10	-0.0288826	0.0166766	0.08328757	0.2145506	4	0.61833179
ENSG00000127952	7	STYXL1	75625656	rs41301427	7	75614557	A	G	0.102386	0.0127895	0.0180336	0.478197	0.837979	0.112225	8.21E-14	0.0152623	0.0216172	0.4801716	0.1859914	9	0.87638737
ENSG00000188372	7	ZP3	76026835	rs34573489	7	76060232	A	G	0.0626243	-0.0048161	0.0164539	0.769751	1.28586	0.141754	1.18E-19	-0.0037454	0.0128027	0.7698672	0.09509883	20	0.96074603
ENSG00000243566	7	UPK3B	76139745	rs4728722	7	76052091	G	A	0.559642	-0.0003199	0.00808306	0.968431	0.626125	0.0756948	1.32E-16	-0.0005109	0.0129098	0.9684316	0.8897926	20	0.99428844
ENSG00000230305	7	AC004980.9	76153832	rs2949288	7	76175264	A	G	0.593439	-0.0011617	0.00807146	0.885563	-0.729786	0.0949735	1.54E-14	0.00159177	0.011062	0.885583	0.7300649	20	0.97920911
ENSG00000205485	7	AC004980.7	76178677	rs17718122	7	76209459	G	A	0.300199	-0.0094069	0.00952288	0.32324	0.843101	0.103277	3.26E-16	-0.0111575	0.0113775	0.3267558	0.5058438	10	0.81477095
ENSG00000146707	7	POMZP3	76239303	rs10265902	7	76230140	C	T	0.209742	0.0118241	0.0109094	0.278434	-1.25032	0.108645	1.20E-30	-0.0094569	0.0087639	0.2805565	0.5411064	20	0.79337301
ENSG00000186704	7	DTX2P1	76607934	rs1636627	7	76250789	C	T	0.555666	-0.0014699	0.00815202	0.856911	-0.491328	0.0807523	1.17E-09	0.00299165	0.0165991	0.8569724	0.964636	13	0.976398
ENSG00000186088	7	GSAP	76940068	rs12704957	7	77056459	G	A	0.488072	-0.0014468	0.00810675	0.858359	0.395264	0.0583015	1.20E-11	-0.0036602	0.0205168	0.8584084	0.5267635	8	0.976398
ENSG00000214293	7	RSBN1L-AS1	77286977	rs10260269	7	77296377	T	A	0.141153	0.00094459	0.012943	0.941821	-0.82895	0.106202	5.93E-15	-0.0011395	0.0156144	0.9418239	0.45709	20	0.99244418
ENSG00000187391	7	MAGI2	77646393	rs12670134	7	78112998	G	C	0.257455	0.007298	0.00931711	0.433457	-0.398478	0.0638606	4.38E-10	-0.0183147	0.0235652	0.4370464	0.4366657	4	0.86824012
ENSG00000075223	7	SEMA3C	80371854	rs73139750	7	80468187	T	C	0.575547	0.00255993	0.00841955	0.761093	0.455556	0.0589034	1.04E-14	0.00561935	0.0184962	0.7612717	0.6383637	3	0.95964323
ENSG00000157214	7	STEAP2	89796904	rs194524	7	89861832	A	G	0.511928	-0.0049609	0.00816144	0.54329	0.261813	0.0331255	2.71E-15	-0.0189483	0.0312648	0.5444772	0.04318744	20	0.88843971
ENSG00000223969	7	AC002456.2	90219933	rs17867001	7	90260649	A	G	0.0457256	0.0147569	0.0182933	0.41985	1.55187	0.179927	6.41E-18	0.00950911	0.0118394	0.4218718	0.06430972	9	0.86347566
ENSG00000157259	7	GATAD1	92076767	rs111405543	7	92104681	A	G	0.175944	-0.0055436	0.0105806	0.600319	-0.367054	0.0656948	2.31E-08	0.015103	0.0289522	0.601913	0.1946651	11	0.91118981
ENSG00000177409	7	SAMD9L	92759368	rs12666302	7	92775741	G	A	0.0487078	-0.014557	0.0227108	0.521542	-0.695296	0.118973	5.09E-09	0.0209364	0.0328594	0.524026	0.4078828	10	0.88172312
ENSG00000127995	7	CASD1	94138531	rs17166357	7	94189270	G	A	0.141153	-0.0003382	0.0109679	0.975404	-0.418131	0.048012	3.07E-18	0.00080874	0.0262309	0.9754038	0.5244584	14	0.99453968
ENSG00000231170	7	AC002451.3	95225994	rs3807892	7	95226733	G	A	0.370775	0.0104437	0.00874058	0.232146	0.59888	0.0919194	7.26E-11	0.0174387	0.0148383	0.2398939	0.4353121	8	0.76866335
ENSG00000180535	7	BHLHA15	97840739	rs7804318	7	97796635	T	C	0.50497	-0.0109044	0.00805983	0.176077	-0.590193	0.0832355	1.33E-12	0.018476	0.0139026	0.1838623	0.09988723	16	0.7281464
ENSG00000272950	7	RP11-307C18.1	97952165	rs954050	7	97880226	C	T	0.426441	0.0198348	0.00805304	0.0137775	-0.819473	0.0808524	3.85E-24	-0.0242043	0.0101131	0.01669465	0.02042209	20	0.3522782
ENSG00000146833	7	TRIM4	99474581	rs2527899	7	99529181	G	A	0.533797	0.00023751	0.00821224	0.976927	0.488794	0.0575842	2.10E-17	0.00048591	0.0168011	0.9769274	0.02936835	14	0.99453968
ENSG00000237640	7	RP4-604G5.1	99527015	rs2527927	7	99477426	A	G	0.422465	0.00286642	0.00804476	0.721609	0.492124	0.0897757	4.21E-08	0.00582459	0.0163815	0.7221711	0.02392592	6	0.94753093
ENSG00000166529	7	ZSCAN21	99647390	rs4729567	7	99637242	A	G	0.606362	0.0130747	0.00817524	0.109754	-0.425386	0.0706755	1.76E-09	-0.0307361	0.0198853	0.1221844	0.5165618	4	0.67319221
ENSG00000214309	7	MBLAC1	99724317	rs117461151	7	99735364	T	C	0.0695825	-0.0025931	0.0208384	0.900967	0.880452	0.137439	1.49E-10	-0.0029452	0.0236723	0.9009851	0.3103312	13	0.98439248
ENSG00000066923	7	STAG3	99775186	rs34666036	7	99737012	A	G	0.27336	0.0255451	0.00904564	0.00474242	0.417426	0.0497965	5.18E-17	0.0611967	0.0228667	0.00744545	0.8307213	20	0.28385138
ENSG00000239521	7	GATS	99798276	rs1617502	7	99809835	T	C	0.712724	-0.0289633	0.00896438	0.00123384	-0.303521	0.0530096	1.03E-08	0.0954244	0.0339123	0.00489506	0.9598531	6	0.28154605
ENSG00000213413	7	PVRIG	99815864	rs1628077	7	99800958	A	G	0.26839	0.0281615	0.00906676	0.00189627	0.547749	0.0637657	8.70E-18	0.0514131	0.0176016	0.00348984	0.6719554	20	0.2603942
ENSG00000242294	7	STAG3L5P	99933702	rs7797025	7	99937941	G	A	0.172962	-0.0149568	0.00986372	0.129433	0.743283	0.0589855	2.08E-36	-0.0201226	0.0133662	0.1321997	0.8899499	20	0.6978893
ENSG00000121716	7	PILRB	99933737	rs11761253	7	99939321	T	C	0.175944	-0.0149863	0.00986104	0.128575	1.03815	0.0710736	2.55E-48	-0.0144356	0.00954994	0.1306385	0.7125429	20	0.69327477
ENSG00000085514	7	PILRA	99965153	rs11761426	7	99956893	T	A	0.175944	-0.0149735	0.00985836	0.128796	1.13276	0.0807272	9.94E-45	-0.0132186	0.00875379	0.1310325	0.7317164	20	0.69423864
ENSG00000078487	7	ZCWPW1	99998449	rs4385401	7	100099466	C	T	0.196819	-0.0191164	0.00965093	0.0476157	0.581266	0.0622892	1.04E-20	-0.0328875	0.0169732	0.05267035	0.5347858	13	0.54679043
ENSG00000205307	7	SAP25	100169855	rs60668677	7	100180896	T	C	0.0765408	0.0199329	0.016254	0.220073	0.411887	0.0629468	6.01E-11	0.0483941	0.0401493	0.2280674	0.8865714	8	0.76373142
ENSG00000146830	7	GIGYF1	100277130	rs221770	7	100302094	T	A	0.88668	-0.0150257	0.0111672	0.178459	-0.336006	0.0523265	1.35E-10	0.0447185	0.0339569	0.1878653	0.2911634	7	0.73459898
ENSG00000146828	7	SLC12A9	100424442	rs13241786	7	100486656	G	T	0.542744	0.0123023	0.0080566	0.126766	0.227007	0.0405355	2.14E-08	0.0541935	0.0367862	0.1406966	0.6385861	7	0.70248585
ENSG00000167011	7	NAT16	100813774	rs35811390	7	100800305	T	C	0.505964	0.00292375	0.00820169	0.721481	-0.402055	0.0703607	1.10E-08	-0.007272	0.0204391	0.721998	0.7290206	10	0.94753093
ENSG00000106404	7	CLDN15	100875373	rs59937851	7	100890252	T	A	0.0596421	-0.0077595	0.017081	0.649631	0.600171	0.088301	1.07E-11	-0.0129287	0.0285237	0.6503593	0.04269291	9	0.92798977
ENSG00000160963	7	COL26A1	101006101	rs12113715	7	100939488	G	T	0.467197	-0.0100732	0.00807613	0.212296	0.374687	0.0440306	1.74E-17	-0.0268843	0.0217846	0.2171676	0.01480394	19	0.75523498
ENSG00000160999	7	SH2B2	101928405	rs803074	7	101928495	G	C	0.365805	0.00347285	0.0081683	0.670718	0.464527	0.060012	9.90E-15	0.0074761	0.0176106	0.6711852	0.1316393	13	0.93322639
ENSG00000128563	7	PRKRIP1	102004319	rs62482951	7	102073463	G	C	0.292247	0.0107651	0.00842393	0.201276	0.356859	0.048799	2.62E-13	0.0301663	0.0239635	0.2080872	0.02003438	12	0.74658316
ENSG00000267368	7	UPK3BL	102277472	rs4729851	7	102351847	T	A	0.714712	0.00767202	0.00884246	0.385595	-0.522001	0.0921518	1.47E-08	-0.0146973	0.0171371	0.3910956	0.386803	9	0.8477398
ENSG00000228049	7	POLR2J2	102277474	rs4403333	7	102347590	G	A	0.898608	0.00186862	0.0142083	0.895367	-1.38383	0.130771	3.61E-26	-0.0013503	0.0102682	0.8953751	0.8938062	20	0.98333484
ENSG00000170632	7	ARMC10	102715328	rs55817310	7	102672831	C	T	0.12326	0.00160803	0.0144347	0.911299	-0.497809	0.0792607	3.37E-10	-0.0032302	0.029001	0.9113128	0.00509302	8	0.985717
ENSG00000241764	7	AC002467.7	107383262	rs13226711	7	107395342	A	G	0.264414	-0.0013726	0.00859509	0.873119	0.531176	0.0961628	3.32E-08	-0.0025841	0.016188	0.8731714	0.2414857	5	0.97700295
ENSG00000091140	7	DLD	107531415	rs4518	7	107560191	T	C	0.593439	-0.0027852	0.00823039	0.73506	0.333441	0.0395526	3.45E-17	-0.0083528	0.0247031	0.7352664	0.9234785	20	0.94957081
ENSG00000177683	7	THAP5	108194987	rs40941	7	108202925	T	C	0.318091	-0.0162377	0.00873597	0.0630667	0.482257	0.0491265	9.55E-23	-0.0336702	0.0184366	0.06780976	0.1120073	15	0.5772659
ENSG00000181016	7	LSMEM1	112120908	rs3095024	7	112115083	A	G	0.331014	-0.0056163	0.00864043	0.515692	0.3566	0.0619434	8.57E-09	-0.0157495	0.024384	0.5183467	0.4737134	3	0.88027463
ENSG00000105976	7	MET	116312444	rs187437	7	116445091	A	G	0.444334	-0.0170902	0.00827342	0.0388597	-0.965649	0.0719849	4.97E-41	0.0176981	0.00866871	0.04119005	0.7836615	20	0.50811424
ENSG00000106013	7	ANKRD7	117854727	rs3802012	7	117808408	A	G	0.672962	0.00294696	0.0100525	0.769401	-0.526482	0.0944017	2.45E-08	-0.0055975	0.0191201	0.7697111	0.02599337	13	0.96074603
ENSG00000272686	7	RP11-390E23.6	123389122	rs11765790	7	123293152	C	A	0.445328	-0.0010379	0.00807103	0.897683	0.427349	0.0687601	5.13E-10	-0.0024286	0.0188903	0.8977042	0.2543193	6	0.9841919
ENSG00000234224	7	TMEM229A	123670973	rs12532150	7	123665718	G	A	0.16998	-0.0153231	0.0127464	0.229304	0.527124	0.067029	3.72E-15	-0.0290693	0.0244619	0.2346968	0.07294598	16	0.76664992
ENSG00000242593	7	RP5-921G16.1	123672259	rs10235939	7	124032560	A	C	0.241551	-0.0084861	0.00937036	0.365129	-1.03035	0.0949781	2.03E-27	0.00823617	0.00912598	0.3667929	0.1723181	20	0.8352928
ENSG00000197157	7	SND1	127292234	rs1348103	7	127391852	G	A	0.280318	-0.0034235	0.00977264	0.726099	-0.289572	0.0514447	1.81E-08	0.0118227	0.0338139	0.7266079	0.8854923	9	0.94753093
ENSG00000165055	7	METTL2B	128116783	rs62481940	7	128302170	C	G	0.290258	-0.0105698	0.00899961	0.240206	0.652263	0.0942863	4.58E-12	-0.0162048	0.0139949	0.246903	0.2459154	14	0.76959804
ENSG00000273270	7	RP11-212P7.2	128164070	rs61544090	7	128342209	C	T	0.294235	-0.0117845	0.00895162	0.188017	-0.405533	0.0692104	4.64E-09	0.0290593	0.022624	0.1989859	0.6638632	3	0.74217028
ENSG00000230715	7	RP11-274B21.4	128292895	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.407522	0.0554215	1.94E-13	-0.013112	0.0199704	0.5114578	0.1927048	7	0.87845447
ENSG00000243679	7	RP11-274B21.3	128294023	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.320425	0.0500181	1.49E-10	-0.016676	0.0254308	0.5119914	0.3077642	7	0.87858262
ENSG00000271553	7	RP11-274B21.10	128307097	rs34757247	7	128293881	C	G	0.156064	0.00884377	0.010726	0.409646	0.858148	0.115723	1.21E-13	0.0103056	0.012576	0.4125199	0.2726832	18	0.85948219
ENSG00000271344	7	RP11-274B21.9	128330505	rs61544090	7	128342209	C	T	0.294235	-0.0117845	0.00895162	0.188017	0.398509	0.0659899	1.55E-09	-0.0295715	0.0229903	0.1983533	0.01829914	6	0.74217028
ENSG00000272899	7	RP11-309L24.9	128510821	rs67476247	7	128504788	G	A	0.199801	0.00433331	0.00960273	0.651804	0.410749	0.0630421	7.25E-11	0.0105498	0.0234346	0.6525809	0.04718826	14	0.92885582
ENSG00000106477	7	CEP41	130033612	rs1990790	7	130033630	T	C	0.544732	0.0174528	0.00809094	0.0309992	0.245326	0.0430144	1.17E-08	0.0711413	0.0352604	0.04363324	0.1320454	9	0.52029162
ENSG00000243317	7	C7orf73	135347244	rs3110823	7	135357476	C	A	0.148111	-0.0103812	0.0106274	0.328655	-0.604774	0.0729257	1.10E-16	0.0171654	0.017694	0.3319834	0.2621456	20	0.81680644
ENSG00000273219	7	RP11-644N4.1	135389285	rs3110804	7	135394642	C	T	0.559642	-0.021671	0.00825999	0.00870022	0.581953	0.0967248	1.78E-09	-0.0372384	0.0154843	0.01617655	0.460666	5	0.3522782
ENSG00000006459	7	JHDM1D	139784546	rs62491439	7	139869719	T	C	0.0775348	0.00091579	0.0144677	0.949528	0.73179	0.112785	8.68E-11	0.00125144	0.0197712	0.9495306	0.9709828	6	0.99289521
ENSG00000090263	7	MRPS33	140705854	rs6971577	7	140703735	C	G	0.794235	0.0214915	0.0105799	0.0422192	0.299439	0.0501135	2.30E-09	0.0717725	0.0373184	0.05444859	0.9981943	10	0.54679043
ENSG00000257093	7	KIAA1147	141356528	rs73171614	7	141388111	A	T	0.0596421	-0.0137389	0.01627	0.398428	0.309334	0.0512502	1.58E-09	-0.0444145	0.0531091	0.4029937	0.6528095	5	0.85392848
ENSG00000228775	7	WEE2-AS1	141404138	rs13226891	7	141455077	T	C	0.462227	-0.0014185	0.00806899	0.860456	0.346791	0.0546363	2.19E-10	-0.0040903	0.0232765	0.8605087	0.996481	10	0.97675342
ENSG00000127364	7	TAS2R4	141478242	rs11763806	7	141504604	T	C	0.467197	-0.0008502	0.00806994	0.916094	0.76859	0.0676697	6.77E-30	-0.0011062	0.0105001	0.9160974	0.9480289	20	0.98640395
ENSG00000257335	7	MGAM	141607613	rs12703408	7	141501747	G	C	0.468191	-0.0007375	0.00806819	0.927167	-0.647308	0.0749945	6.06E-18	0.00113936	0.0124649	0.9271707	0.9357161	18	0.98793237
ENSG00000213214	7	ARHGEF35	143883176	rs6464583	7	143874482	G	A	0.162028	-0.0233692	0.0107356	0.0294951	-0.759412	0.115113	4.19E-11	0.0307728	0.0148864	0.0387181	0.9501192	7	0.5022598
ENSG00000050327	7	ARHGEF5	144052381	rs720475	7	144074929	A	G	0.28827	-0.0019456	0.00925552	0.833505	0.472471	0.0662815	1.02E-12	-0.0041179	0.0195981	0.8335761	0.1179809	5	0.96886511
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.517443	0.054961	4.74E-21	-0.0226715	0.0170339	0.1832023	0.6352162	20	0.72768933
ENSG00000204947	7	ZNF425	148799876	rs6950172	7	148816519	G	C	0.841948	-0.0062543	0.0122086	0.60845	0.628541	0.100615	4.19E-10	-0.0099505	0.0194889	0.6096493	0.5555601	8	0.91289684
ENSG00000244560	7	RP4-800G7.2	148982372	rs7779475	7	148933942	A	C	0.252485	-0.0028486	0.00885005	0.747548	-0.355272	0.0535481	3.25E-11	0.00801808	0.0249399	0.7478347	0.9210544	10	0.95384439
ENSG00000181220	7	ZNF746	149169885	rs735120	7	149313811	T	C	0.259443	0.00724958	0.0101312	0.474258	0.377831	0.0680068	2.76E-08	0.0191874	0.0270356	0.4778856	0.5231368	3	0.87540637
ENSG00000181444	7	ZNF467	149461271	rs855676	7	149472312	T	C	0.156064	-0.0028615	0.0122865	0.815843	-0.650519	0.0687914	3.19E-21	0.00439872	0.018893	0.8158987	0.2084352	20	0.96552943
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.741236	0.0598305	3.00E-35	0.00739754	0.0135097	0.5839861	0.2401156	15	0.90219781
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs4725835	7	149568291	G	A	0.604374	-0.0013388	0.00807255	0.868283	0.455062	0.0618177	1.82E-13	-0.0029419	0.017744	0.8683161	0.0194868	12	0.97700295
ENSG00000171130	7	ATP6V0E2	149570057	rs7799585	7	149577420	T	C	0.600398	-0.0032137	0.00806772	0.690383	0.557252	0.0435061	1.47E-37	-0.005767	0.0144847	0.6905247	0.1241452	20	0.94094425
ENSG00000273293	7	RP11-445N20.3	149578448	rs3107852	7	149615993	C	T	0.599404	0.0191803	0.00826984	0.0203784	-0.395441	0.0718523	3.72E-08	-0.0485036	0.0226941	0.0325758	0.08784651	4	0.48327225
ENSG00000273011	7	RP11-728K20.3	149587828	rs4725317	7	149588429	A	G	0.705765	-0.0025888	0.00901388	0.773959	-0.598645	0.0958587	4.24E-10	0.00432442	0.0150731	0.774191	0.2810271	8	0.96214355
ENSG00000224016	7	RP11-728K20.1	149588280	rs10952235	7	149585639	G	A	0.237575	-0.0073253	0.0105144	0.485997	0.564878	0.0828615	9.29E-12	-0.0129679	0.0187105	0.4882592	0.1138675	12	0.87805165
ENSG00000106526	7	ACTR3C	149941005	rs2531052	7	149989676	G	A	0.0964215	-0.0133923	0.00990852	0.176505	-0.721166	0.0821611	1.67E-18	0.0185703	0.0139015	0.1815984	0.3643015	15	0.72535925
ENSG00000127399	7	LRRC61	150019728	rs1983440	7	150023941	C	G	0.260437	-0.0072203	0.00870774	0.407	0.820315	0.0689466	1.21E-32	-0.0088019	0.0106409	0.4081357	0.386294	20	0.85809947
ENSG00000188707	7	ZBED6CL	150026938	rs11764936	7	150025915	T	G	0.244533	-0.0086996	0.00915494	0.341977	-0.882285	0.0871313	4.24E-24	0.00986034	0.010422	0.3440929	0.5020171	20	0.82996866
ENSG00000261305	7	RP4-584D14.7	150038860	rs11538922	7	150035183	T	C	0.245527	-0.0105771	0.0091585	0.248133	0.854736	0.105767	6.41E-16	-0.0123747	0.0108239	0.2529229	0.8165421	15	0.77199343
ENSG00000214022	7	REPIN1	150065278	rs3735166	7	150066008	C	T	0.316103	-0.0075086	0.00824148	0.362258	0.241557	0.04027	1.99E-09	-0.0310841	0.0345095	0.3677258	0.5937997	12	0.8352928
ENSG00000002933	7	TMEM176A	150497491	rs741068	7	150500356	C	T	0.680915	0.00771257	0.00859847	0.369735	0.31382	0.0471083	2.71E-11	0.0245764	0.0276466	0.374031	0.8640517	3	0.83748989
ENSG00000197150	7	ABCB8	150725510	rs11769256	7	150725972	T	C	0.143141	-0.0119043	0.0117421	0.310671	-0.415036	0.0752136	3.43E-08	0.0286826	0.0287653	0.3187042	0.8082243	5	0.80963732
ENSG00000164896	7	FASTK	150773711	rs34104727	7	150777454	A	G	0.175944	-0.0023847	0.0114325	0.834769	0.396481	0.0584642	1.19E-11	-0.0060147	0.0288486	0.8348457	0.8085283	5	0.96886511

ENSG00000033100	7	CHPF2	150929575	rs1870238	7	150936052	G	C	0.450298	0.00355474	0.00812833	0.661874	-0.303178	0.0519219	5.25E-09	-0.0117249	0.0268855	0.66276	0.1831083	4	0.93322639
ENSG00000106648	7	GALNTL5	151653464	rs59261610	7	151663244	G	A	0.0407555	-0.0038316	0.0178914	0.830425	0.822697	0.149203	3.51E-08	-0.0046573	0.0217636	0.8305513	0.7412957	8	0.96886511
ENSG00000214106	7	PAXIP1-AS2	154720208	rs62473043	7	154728136	A	C	0.322068	-0.0085353	0.00855969	0.318693	0.60057	0.0701747	1.15E-17	-0.0142119	0.014349	0.3219563	0.1254421	19	0.81146889
ENSG00000273344	7	PAXIP1-AS1	154795158	rs216579	7	154781137	T	C	0.632207	-0.0139182	0.00844191	0.0992088	-0.351709	0.0530112	3.25E-11	0.0395731	0.0247325	0.1095898	0.8870928	6	0.65854606
ENSG00000228521	7	AC099552.3	154995857	rs7805550	7	154995288	T	C	0.32008	-0.017662	0.00880757	0.0449283	0.575811	0.0777211	1.28E-13	-0.0306733	0.0158463	0.05290848	0.7137946	13	0.54679043
ENSG00000218672	7	AC008060.7	155174771	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.858355	0.0860649	1.99E-23	-0.0027287	0.00954419	0.7749538	0.5008702	19	0.96214355
ENSG00000260426	7	RP5-912I13.1	155192617	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.892635	0.0867738	8.07E-25	-0.0026239	0.00917744	0.7749484	0.6006744	20	0.96214355
ENSG00000182648	7	LINC01006	156264890	rs9638048	7	156431052	A	C	0.392644	-0.0090159	0.00807847	0.264408	-0.558695	0.0586906	1.74E-21	0.0161373	0.0145586	0.2676707	0.8231809	20	0.78131464
ENSG00000146909	7	NOM1	156742417	rs6948221	7	156760950	G	A	0.617296	0.0136993	0.00806911	0.089555	0.324405	0.0556051	5.41E-09	0.042229	0.0259054	0.1030749	0.4981068	10	0.65300746
ENSG00000155093	7	PTPRN2	157331750	rs112098045	7	158246263	T	C	0.0884692	-0.0097538	0.013924	0.483616	-0.29026	0.0501046	6.91E-09	0.0336036	0.0483202	0.4867829	0.6148731	7	0.8777292
ENSG00000126870	7	WDR60	158649269	rs2657381	7	158651087	A	G	0.234592	0.0108228	0.00934299	0.246704	-0.467537	0.0530512	1.22E-18	-0.0231485	0.0201553	0.2507588	0.7536385	20	0.76959804
ENSG00000223508	8	RPL23AP53	163186	rs11776856	8	156703	T	C	0.661034	-0.0039167	0.00844596	0.642834	-0.569232	0.102503	2.80E-08	0.00688073	0.0148891	0.643987	0.2250731	7	0.92525205
ENSG00000253982	8	CTD-2336O2.1	1710156	rs6558535	8	1710632	C	T	0.688867	0.0139258	0.00951819	0.143448	0.491674	0.0509294	4.73E-22	0.0283232	0.0195798	0.1480217	0.3219079	20	0.70919091
ENSG00000104728	8	ARHGEF10	1772142	rs56249647	8	1759446	T	C	0.186879	-0.0047604	0.0100549	0.6359	0.361723	0.0567478	1.84E-10	-0.0131603	0.0278738	0.6368288	0.2675491	12	0.92417328
ENSG00000036448	8	MYOM2	1993155	rs2280902	8	2077072	A	G	0.421471	0.0180721	0.00817414	0.0270433	0.81408	0.084969	9.62E-22	0.0221994	0.0103048	0.03121874	0.9824737	20	0.48138708
ENSG00000147316	8	MCPH1	6264113	rs74607633	8	6315292	T	A	0.163022	-0.0024579	0.0140999	0.861615	0.636676	0.102038	4.39E-10	-0.0038605	0.0221548	0.8616682	0.7057243	4	0.97675342
ENSG00000271743	8	CTD-2541M15.3	6473125	rs1974946	8	6488787	A	G	0.274354	0.00791006	0.00907124	0.383212	-0.508336	0.0844073	1.72E-09	-0.0155607	0.0180311	0.3881407	0.2881619	20	0.84743529
ENSG00000249898	8	CTD-2541M15.1	6475996	rs10092065	8	6527610	G	C	0.156064	-0.0012368	0.0117011	0.915824	0.751253	0.107892	3.33E-12	-0.0016463	0.0155772	0.9158339	0.4110787	11	0.98640395
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-0.866379	0.0880405	7.52E-23	-0.0214688	0.0097534	0.02772484	0.9706732	20	0.4538879
ENSG00000233609	8	RP11-62H7.2	8818710	rs6981573	8	8821318	C	T	0.354871	0.0121083	0.00824982	0.142184	0.679337	0.090553	6.28E-14	0.0178237	0.0123741	0.1497548	0.1725837	20	0.71143783
ENSG00000104626	8	ERI1	8859657	rs34455926	8	8824207	G	A	0.178926	-0.0138598	0.0116167	0.232832	-0.467551	0.0778596	1.91E-09	0.0296434	0.0253315	0.2419127	0.01495899	20	0.76866335
ENSG00000261451	8	RP11-981G7.1	10291182	rs17184069	8	10291730	C	G	0.258449	-0.0217281	0.00988916	0.0280092	-0.547355	0.0820009	2.47E-11	0.0396965	0.0190208	0.03688741	0.03726372	20	0.49915936
ENSG00000253641	8	RP11-981G7.2	10332075	rs35338507	8	10277982	A	G	0.267396	0.00086393	0.0089821	0.923375	0.503192	0.0833054	1.54E-09	0.0017169	0.0178525	0.9233845	0.00668283	20	0.98793237
ENSG00000253678	8	RP11-981G7.3	10335001	rs6601468	8	10336140	G	A	0.677932	0.0101776	0.00853338	0.232993	-0.699523	0.0874915	1.29E-15	-0.0145493	0.0123338	0.238148	0.2795097	18	0.76866335
ENSG00000272505	8	RP11-981G7.6	10344317	rs3750314	8	10285810	C	T	0.0337972	0.0444768	0.0218777	0.0420552	-0.85525	0.123966	5.23E-12	-0.0520044	0.026668	0.05116752	0.3578512	4	0.54484242
ENSG00000255020	8	AF131216.5	11203257	rs7816606	8	11205602	C	T	0.511928	0.015856	0.00824107	0.0543513	0.397898	0.0631588	2.98E-10	0.0398494	0.0216559	0.06575056	0.3997521	19	0.57012886
ENSG00000154319	8	FAM167A	11278972	rs11782823	8	11260385	A	C	0.570577	-0.0098938	0.0081584	0.225242	0.292638	0.0468273	4.12E-10	-0.0338088	0.0283989	0.2338504	0.2874989	20	0.76566394
ENSG00000154328	8	NEIL2	11627148	rs804258	8	11634809	G	A	0.394632	0.00327945	0.00807491	0.684647	0.362308	0.0540087	1.97E-11	0.00905155	0.0223282	0.6851937	0.0203052	19	0.93978336
ENSG00000164733	8	CTSB	11700033	rs1293296	8	11711157	C	A	0.296223	-0.0126078	0.00984796	0.200457	0.370702	0.0573099	9.91E-11	-0.0340106	0.027081	0.2091586	0.3771048	16	0.74658316
ENSG00000254507	8	RP11-481A20.10	11860909	rs4840609	8	11878338	C	G	0.478131	0.0205942	0.0084113	0.0143493	0.53941	0.0832358	9.14E-11	0.0381791	0.0166693	0.02199913	0.2714092	20	0.40630032
ENSG00000249889	8	ALG1L11P	12036206	rs9286062	8	11118527	A	G	0.55666	-0.0132899	0.00808521	0.100231	-0.627171	0.0963552	7.57E-11	0.0211902	0.0132963	0.1110038	0.4766309	20	0.66474129
ENSG00000255495	8	FAM85A	12051976	rs3988873	8	11986310	A	T	0.224652	-0.0126636	0.0132716	0.339989	0.72958	0.110747	4.46E-11	-0.0173574	0.0183806	0.3449992	0.6976849	4	0.82996866
ENSG00000227888	8	FAM66A	12219527	rs9693773	8	12185802	T	C	0.45328	-0.0061023	0.0103773	0.556502	-0.887174	0.0902169	8.05E-23	0.00687837	0.0117179	0.5572067	0.1439162	20	0.89377419
ENSG00000255556	8	RP11-351I21.6	12236188	rs13256554	8	11432946	A	C	0.55169	-0.0217916	0.00818292	0.00774337	-0.549433	0.0889327	6.49E-10	0.039662	0.0162181	0.01446363	0.2890322	20	0.3522782
ENSG00000198791	8	CNOT7	17086737	rs73200936	8	17121711	A	C	0.0656064	0.0185374	0.0160384	0.247757	0.644822	0.0928952	3.88E-12	0.0287481	0.025215	0.2542378	0.8924105	9	0.77238055
ENSG00000129422	8	MTUS1	17501304	rs3850742	8	17547287	C	T	0.728628	0.00126676	0.00897592	0.887768	0.344416	0.0473174	3.37E-13	0.00367799	0.0260662	0.8877892	0.9677037	20	0.98046719
ENSG00000253671	8	RP11-806O11.1	17666450	rs2653420	8	17683178	T	A	0.791252	-0.0027376	0.00996128	0.783449	-0.580366	0.078384	1.32E-13	0.00471704	0.0171756	0.7835959	0.2283705	16	0.96344804
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.662177	0.0657746	7.70E-24	0.00769731	0.0127499	0.5460337	0.1472757	20	0.88843971
ENSG00000147408	8	CSGALNACT1	19261672	rs10888163	8	19315034	T	G	0.431412	-0.0052088	0.00810189	0.520283	0.616405	0.0518342	1.30E-32	-0.0084503	0.013163	0.5208915	0.755253	20	0.88027463
ENSG00000197181	8	PIWIL2	22132810	rs4871990	8	22132837	T	C	0.569583	-0.001686	0.00846056	0.842048	-0.696571	0.0901713	1.12E-14	0.00242039	0.0121501	0.8421002	0.4436263	19	0.97214076
ENSG00000120910	8	PPP3CC	22298332	rs12545909	8	22310052	A	G	0.469185	0.00661758	0.00809648	0.413734	-0.424026	0.0628062	1.46E-11	-0.0156065	0.0192337	0.4171269	0.4512462	13	0.86117441
ENSG00000241852	8	C8orf58	22457114	rs1059592	8	22477778	A	G	0.366799	-0.0021343	0.00864934	0.805099	0.28812	0.0454686	2.35E-10	-0.0074075	0.0300427	0.8052432	0.1602177	13	0.96493403
ENSG00000147439	8	BIN3	22477931	rs4358800	8	22540421	T	C	0.652087	0.00391638	0.00914418	0.668439	-0.453388	0.0626729	4.68E-13	-0.008638	0.0202039	0.6689835	0.109316	17	0.93322639
ENSG00000134020	8	PEBP4	22570769	rs17088799	8	22780285	G	C	0.182903	-0.0163049	0.0103828	0.116329	-0.492368	0.0727349	1.29E-11	0.0331153	0.0216475	0.126078	0.7732004	11	0.68123799
ENSG00000173535	8	TNFRSF10C	22941868	rs116703825	8	22943928	A	G	0.15507	-0.0201084	0.00969212	0.0380128	0.944606	0.0822126	1.48E-30	-0.0212876	0.0104264	0.04118151	0.8170441	20	0.50811424
ENSG00000228451	8	SDAD1P1	26236775	rs11774142	8	26274581	C	T	0.101392	0.00153021	0.0109625	0.888987	0.806111	0.110707	3.30E-13	0.00189826	0.0136017	0.8890075	0.8873449	3	0.98148109
ENSG00000015592	8	STMN4	27092840	rs17366947	8	27103024	G	A	0.37674	-0.0143389	0.00837076	0.0867181	-0.636232	0.0546684	2.64E-31	0.0225372	0.0132985	0.09012937	0.3588744	18	0.63306891
ENSG00000120915	8	EPHX2	27348296	rs7835093	8	27387392	T	C	0.146123	0.00804731	0.0119937	0.502243	0.304091	0.0435928	3.04E-12	0.0264635	0.0396232	0.5042108	0.02931381	8	0.8783337
ENSG00000147419	8	CCDC25	27590835	rs1841311	8	27631630	A	G	0.530815	0.0212491	0.00805745	0.00835949	-0.529905	0.0569015	1.25E-20	-0.0400998	0.0158034	0.01116731	0.4734804	20	0.33066636
ENSG00000134014	8	ELP3	27947190	rs34545774	8	27976025	G	A	0.440358	0.00588575	0.0080661	0.465581	0.513171	0.0564834	1.03E-19	0.0114694	0.0157688	0.4670131	0.9754696	20	0.87345602
ENSG00000157168	8	NRG1	31496902	rs13282071	8	32492911	T	C	0.269384	0.0113719	0.00844057	0.177886	0.697632	0.0971298	6.85E-13	0.0163007	0.0123099	0.1854382	0.4362313	3	0.7303584
ENSG00000272479	8	RP11-301G7.1	40377084	rs7000463	8	40377004	C	T	0.686879	-0.0092081	0.00896005	0.304097	0.363733	0.0600163	1.36E-09	-0.0253156	0.0249852	0.3109534	0.03860203	11	0.80584798
ENSG00000176209	8	SMIM19	42396298	rs73633616	8	42425673	G	A	0.612326	-0.000913	0.00836934	0.913135	-0.475485	0.0523507	1.06E-19	0.00192008	0.017603	0.9131412	0.782511	16	0.985717
ENSG00000165102	8	HGSNAT	42995556	rs141088812	8	42994150	T	C	0.0745527	-0.0190257	0.0144633	0.188359	0.482814	0.0809038	2.41E-09	-0.0394059	0.0306754	0.198929	0.01881595	9	0.74217028
ENSG00000104738	8	MCM4	48872745	rs762679	8	48885436	A	T	0.84493	0.0040172	0.01075	0.708632	0.384885	0.0470729	2.93E-16	0.0104374	0.0279596	0.7089227	0.5679031	16	0.94504139
ENSG00000034239	8	EFCAB1	49623348	rs13269609	8	49686049	T	C	0.605368	0.00086289	0.00828006	0.917001	-0.438774	0.050456	3.43E-18	-0.0019666	0.0188723	0.9170064	0.5276832	20	0.98647463
ENSG00000008988	8	RPS20	56979854	rs2668014	8	56930539	A	G	0.23161	0.00937235	0.0106768	0.38004	0.278018	0.0468791	3.02E-09	0.0337113	0.0388217	0.3851957	0.4823278	8	0.84682194
ENSG00000254139	8	CTD-2339F6.1	58658708	rs4427157	8	58639365	G	C	0.428429	0.00920627	0.00841641	0.274022	0.536596	0.0857652	3.94E-10	0.0171568	0.0159227	0.2812552	0.5944034	7	0.7939986
ENSG00000251396	8	RP11-163N6.2	61297147	rs660865	8	61531713	T	A	0.395626	0.0146756	0.0081434	0.0715221	-0.486548	0.0769668	2.59E-10	-0.0301627	0.0174039	0.08307845	0.4314738	20	0.61833179
ENSG00000137563	8	GGH	63927638	rs2736681	8	63952845	C	A	0.38668	-0.0077146	0.00808259	0.339844	-0.39313	0.062801	3.85E-10	0.0196236	0.0207972	0.3453907	0.4871798	20	0.82996866
ENSG00000254081	8	CTD-3025N20.2	66439243	rs6994889	8	66474782	C	T	0.527833	0.0121581	0.00809228	0.132984	0.577627	0.0569838	3.80E-24	0.0210484	0.0141626	0.1372273	0.1896794	20	0.6978893
ENSG00000272010	8	CTD-3025N20.3	66504085	rs73236948	8	66521411	G	T	0.38668	-0.0130605	0.00866188	0.131602	-0.490433	0.0538634	8.62E-20	0.0266305	0.0179022	0.1368684	0.6030233	16	0.6978893
ENSG00000104442	8	ARMC1	66514694	rs3268	8	66514965	C	T	0.317097	-0.0142068	0.00906936	0.117241	0.419327	0.0499338	4.55E-17	-0.03388	0.0220014	0.1235849	0.3001028	17	0.67589308
ENSG00000147576	8	ADHFE1	67342420	rs2555568	8	67362864	G	A	0.489066	-0.0026137	0.00807303	0.746122	0.448055	0.0412566	1.78E-27	-0.0058334	0.0180259	0.7462318	0.4353769	20	0.95384439
ENSG00000147592	8	LACTB2	71547553	rs34505448	8	71722996	C	A	0.4334	-0.0218616	0.00808822	0.00687401	0.366666	0.0568361	1.11E-10	-0.0596227	0.0239166	0.01266918	0.7191644	15	0.34907046
ENSG00000221947	8	XKR9	71581600	rs1477944	8	71615600	T	C	0.514911	-0.0150646	0.00805221	0.0613649	0.900091	0.0791259	5.54E-30	-0.0167368	0.00906618	0.06488279	0.3457855	12	0.56817056
ENSG00000254352	8	RP11-578O24.2	79636031	rs2953477	8	79624605	C	T	0.715706	0.0106739	0.00910373	0.241008	0.672224	0.108608	6.04E-10	0.0158785	0.0137835	0.2493258	0.1971392	6	0.76959804
ENSG00000272138	8	RP11-27N21.3	80680377	rs2247008	8	80714713	A	C	0.657058	0.0142034	0.00849471	0.0945192	-0.740582	0.0839269	1.10E-18	-0.0191787	0.0116744	0.1004249	0.3025358	10	0.64834522
ENSG00000133731	8	IMPA1	82570196	rs2975935	8	82553983	G	A	0.32008	-0.0148046	0.00821875	0.0716523	-0.278361	0.0507762	4.20E-08	0.0531849	0.0310785	0.08702458	0.900764	3	0.62523814
ENSG00000104231	8	ZFAND1	82613569	rs75348453	8	82626146	A	G	0.0437376	0.0198365	0.0259902	0.445327	-0.711742	0.122323	5.94E-09	-0.0278704	0.0368291	0.4492012	0.5011846	7	0.86824012
ENSG00000104497	8	SNX16	82711816	rs7462039	8	82808807	G	A	0.576541	-0.0260205	0.00877191	0.00301356	-0.405919	0.0522041	7.51E-15	0.0641027	0.0231291	0.00557965	0.01199219	18	0.28190919
ENSG00000133739	8	LRRCC1	86019382	rs7000849	8	86069494	G	A	0.0924453	0.00668583	0.0127188	0.59912	0.496188	0.0644905	1.43E-14	0.0134744	0.0256928	0.5999708	0.6527469	20	0.91118981
ENSG00000253549	8	RP11-317J10.2	86354080	rs3758076	8	86375535	C	G	0.631213	0.00574927	0.00872476	0.509921	0.443611	0.0609752	3.46E-13	0.0129602	0.0197481	0.511648	0.6964695	12	0.87845447
ENSG00000176623	8	RMDN1	87480486	rs7017706	8	87480890	T	C	0.271372	0.0132424	0.00926881	0.15309	0.369826	0.0412174	2.90E-19	0.0358071	0.0253784	0.158265	0.1222594	17	0.71666927
ENSG00000164823	8	OSGIN2	90914087	rs447989	8	90860803	G	A	0.695825	-0.0045911	0.00866068	0.596034	0.422452	0.0735268	9.16E-09	-0.0108678	0.0205881	0.5975889	0.05762447	9	0.90978933
ENSG00000104341	8	LAPTM4B	98787285	rs2468036	8	98771934	C	T	0.347913	-0.0111805	0.00901359	0.214826	0.365821	0.0610439	2.06E-09	-0.0305628	0.0251616	0.2244965	0.120736	9	0.75840867
ENSG00000174226	8	SNX31	101585116	rs1693551	8	101675584	C	T	0.467197	-0.003388	0.00813056	0.676895	0.736855	0.0704734	1.38E-25	-0.004598	0.0110429	0.6771365	0.6771727	20	0.93596584
ENSG00000164929	8	BAALC	104152938	rs953252	8	104138141	T	G	0.570577	0.00521267	0.00813229	0.521533	0.25614	0.0379371	1.46E-11	0.0203509	0.0318922	0.5233988	0.9300417	15	0.88172312
ENSG00000271830	8	RP11-1C8.7	104493494	rs10086992	8	104604177	A	G	0.395626	0.0097598	0.00809088	0.227713	0.722556	0.070408	1.04E-24	0.0135073	0.0112747	0.2309077	0.73422	20	0.76373142
ENSG00000104412	8	EMC2	109455830	rs16878164	8	109587930	T	C	0.306163	-0.0012398	0.00906025	0.891159	0.260386	0.0454621	1.02E-08	-0.0047613	0.0348054	0.8911903	0.3156156	4	0.98265732
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.07137	0.0944372	7.87E-30	-0.0050409	0.00903951	0.5770791	0.5335233	12	0.89957869
ENSG00000172167	8	MTBP	121457640	rs13255475	8	121468076	C	T	0.691849	-0.0120587	0.0085327	0.157586	-0.58123	0.0687008	2.67E-17	0.0207469	0.0148838	0.1633417	0.8814855	5	0.71666927
ENSG00000178764	8	ZHX2	123793633	rs12550039	8	123850020	T	A	0.416501	-0.0030194	0.00824759	0.714296	-0.223109	0.0375595	2.85E-09	0.0135332	0.0370368	0.7148135	0.6773848	3	0.94680929
ENSG00000156787	8	TBC1D31	124054208	rs7018417	8	124093718	G	A	0.298211	-0.0056702	0.00850289	0.504865	0.42419	0.0605188	2.40E-12	-0.0133671	0.0201355	0.5067813	0.1833009	11	0.8783337
ENSG00000156795	8	WDYHV1	124428965	rs6982267	8	124472489	A	G	0.312127	0.00532308	0.00834828	0.523717	-0.534662	0.0688408	8.06E-15	-0.009956	0.0156667	0.5251102	0.3389227	12	0.88210958
ENSG00000249859	8	PVT1	128806779	rs9297769	8	128864331	G	A	0.515905	0.0065288	0.00821082	0.426528	-0.495102	0.0889007	2.56E-08	-0.0131868	0.0167523	0.4311864	0.7178995	7	0.86609543
ENSG00000155926	8	SLA	134048973	rs3779955	8	134107899	A	G	0.206759	-0.0016716	0.00936668	0.858364	-0.30501	0.0555101	3.91E-08	0.00548035	0.0307256	0.8584371	0.5624802	6	0.976398
ENSG00000259820	8	AC083843.1	135804263	rs10105876	8	135839462	T	C	0.347913	0.00056211	0.00847268	0.947104	-0.425541	0.0669471	2.07E-10	-0.0013209	0.0199115	0.947107	0.1537734	4	0.99289521
ENSG00000169398	8	PTK2	141667999	rs11166989	8	141661716	T	C	0.518887	0.015047	0.00813964	0.0645149	0.265862	0.0311189	1.30E-17	0.056597	0.0313245	0.07079425	0.2545462	20	0.58502041
ENSG00000253210	8	RP11-809O17.1	142136143	rs7814272	8	142139682	G	T	0.465209	0.00034268	0.00820932	0.966704	-0.648564	0.0840567	1.20E-14	-0.0005284	0.0126579	0.9667042	0.4930661	6	0.99428844
ENSG00000253605	8	HNRNPA1P38	142469175	rs62522535	8	142456983	C	G	0.258449	-0.0116339	0.0111297	0.295881	0.790651	0.0847044	1.02E-20	-0.0147143	0.0141646	0.2988937	0.1468542	8	0.80291535
ENSG00000171045	8	TSNARE1	143293441	rs12679951	8	143362190	A	G	0.180915	-0.0127894	0.0105195	0.224069	0.502311	0.0688287	2.92E-13	-0.0254611	0.0212308	0.2304296	0.05577166	19	0.76373142
ENSG00000261693	8	RP13-467H17.1	143485013	rs7011076	8	143483878	A	G	0.177932	-0.001488	0.0117003	0.898803	0.923135	0.115497	1.32E-15	-0.0016119	0.0126761	0.8988157	0.7949112	12	0.98426875
ENSG00000167653	8	PSCA	143751726	rs4736369	8	143751698	C	T	0.464215	-0.001786	0.00816251	0.826803	0.62251	0.106101	4.43E-09	-0.002869	0.0131214	0.8269211	0.03900391	10	0.96861312
ENSG00000160886	8	LY6K	143781529	rs12548797	8	143781115	G	A	0.254473	-0.0193468	0.00871215	0.0263736	0.603851	0.0953606	2.42E-10	-0.032039	0.0152891	0.0361225	0.2938551	13	0.49915936
ENSG00000253741	8	CTD-2292P10.4	143783670	rs13272904	8	143782614	C	T	0.459245	0.00419643	0.00812855	0.605674	-0.672681	0.0664098	4.10E-24	-0.0062384	0.0120995	0.6061416	0.00905721	20	0.91214701
ENSG00000130193	8	THEM6	143808621	rs2585136	8	143812141	G	A	0.456262	0.00285134	0.00813846	0.726074	-0.464502	0.0483573	7.57E-22	-0.0061385	0.0175325	0.7262479	0.00322988	20	0.94753093
ENSG00000247317	8	RP11-273G15.2	144063155	rs4270940	8	144094150	T	C	0.586481	0.0135539	0.00807759	0.0933555	-0.359493	0.0417082	6.74E-18	-0.0377028	0.0228912	0.09954919	0.3275084	20	0.64834522
ENSG00000253716	8	RP13-582O9.5	144362331	rs7387459	8	144365114	C	T	0.487078	0.00217273	0.00809108	0.788288	-0.669508	0.0653739	1.30E-24	-0.0032453	0.0120893	0.7883593	0.7556326	20	0.96351947
ENSG00000104518	8	GSDMD	144635377	rs392131	8	144572758	C	T	0.255467	-0.0059957	0.00876455	0.493919	-0.404375	0.0451018	3.08E-19	0.0148272	0.0217373	0.4951718	0.5879451	20	0.87805165
ENSG00000255050	8	RP11-661A12.9	144655660	rs896955	8	144658370	T	C	0.130219	-0.0019145	0.0111707	0.863923	-0.832733	0.119676	3.45E-12	0.00229901	0.0134186	0.863964	0.4638299	8	0.97675342
ENSG00000147813	8	NAPRT1	144656955	rs10282929	8	144681777	T	G	0.799205	-0.0007696	0.00974138	0.93703	1.11905	0.0920079	4.92E-34	-0.0006877	0.00870523	0.9370312	0.5500135	20	0.99132842
ENSG00000254812	8	RP11-661A12.12	144714241	rs2242085	8	144699424	C	G	0.210736	-0.0052807	0.00993444	0.595034	-0.807753	0.105553	1.97E-14	0.00653752	0.0123285	0.5959198	0.8862772	8	0.90901696
ENSG00000183309	8	ZNF623	144718183	rs7002650	8	144754358	G	A	0.2167	-0.0005987	0.0091432	0.947793	0.441121	0.0546054	6.57E-16	-0.0013572	0.0207279	0.9477951	0.839379	15	0.99289521
ENSG00000179632	8	MAF1	145159402	rs6685	8	145162372	T	C	0.0864811	0.00955647	0.015395	0.534764	-0.292609	0.0529399	3.25E-08	-0.0326595	0.0529436	0.5373183	0.4497817	8	0.88747737
ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	1.05262	0.0882261	8.17E-33	-0.0096671	0.0141324	0.493951	0.4579478	10	0.87805165
ENSG00000185803	8	SLC52A2	145577795	rs880702	8	145577829	C	A	0.423459	0.00090565	0.00809165	0.910884	0.290174	0.049313	4.00E-09	0.00312106	0.0278906	0.9108997	0.5459569	4	0.985717
ENSG00000071894	8	CPSF1	145618444	rs2977834	8	145623098	T	C	0.632207	-0.0031514	0.00828429	0.703641	0.874998	0.0604616	1.82E-47	-0.0036017	0.00947105	0.7037374	0.4988144	19	0.94477107
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	0.919428	0.0857024	7.51E-27	0.0135358	0.0190668	0.4777562	0.0122712	9	0.87540637
ENSG00000187954	8	CYHR1	145674965	rs11774212	8	145686505	T	C	0.498012	-0.0202439	0.00809377	0.0123783	-0.199787	0.0353815	1.64E-08	0.101327	0.0443084	0.02220356	0.3577215	4	0.40777212
ENSG00000197363	8	ZNF517	146024261	rs2727230	8	146064103	A	G	0.340954	0.00418071	0.008487	0.622293	0.364382	0.065294	2.40E-08	0.0114734	0.0233821	0.6236431	0.08899269	8	0.91838156
ENSG00000196922	8	ZNF252P	146198975	rs6981609	8	146222424	T	C	0.0974155	-0.0059316	0.0120684	0.623072	0.787741	0.0843612	9.84E-21	-0.0075299	0.0153415	0.6235533	0.6113856	16	0.91838156
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407330	9	73986	G	A	0.44831	-0.0014228	0.00842389	0.865875	-0.728684	0.0972206	6.62E-14	0.00195256	0.0115634	0.8659086	0.5477442	8	0.97675342
ENSG00000227917	9	RP11-143M1.3	100804	rs2474218	9	89481	T	G	0.467197	-0.0019834	0.00838657	0.813049	0.445223	0.0802157	2.85E-08	-0.0044548	0.0188539	0.8132151	0.679392	6	0.96552943
ENSG00000172785	9	CBWD1	121041	rs589627	9	224976	G	T	0.430417	0.00462323	0.00828318	0.576744	0.654653	0.0807524	5.19E-16	0.00706211	0.0126827	0.5776445	0.3399908	20	0.89957869
ENSG00000107099	9	DOCK8	214854	rs12156499	9	370199	G	A	0.144135	0.0118156	0.0126921	0.351885	0.374994	0.0608414	7.12E-10	0.0315088	0.03423	0.3573113	0.5076364	20	0.83410235
ENSG00000236404	9	RP11-125B21.2	2422702	rs568886	9	2532598	A	G	0.184891	-0.0099185	0.00942382	0.292571	0.414948	0.0449804	2.83E-20	-0.0239031	0.0228582	0.2956936	0.341365	20	0.80291535
ENSG00000107020	9	PLGRKT	5357973	rs7860592	9	5364478	G	A	0.67495	-0.0141048	0.00841908	0.0938685	-0.295113	0.0504377	4.89E-09	0.0477946	0.0296748	0.1072638	0.04462976	8	0.65854606
ENSG00000197646	9	PDCD1LG2	5510545	rs16923189	9	5510644	G	A	0.302187	0.0017035	0.00923366	0.85363	0.461623	0.0785291	4.14E-09	0.00369024	0.0200124	0.8537018	0.6065569	12	0.97476465
ENSG00000137033	9	IL33	6215805	rs10739095	9	6391650	T	C	0.965209	0.00538637	0.0267605	0.84048	-0.754342	0.10583	1.02E-12	-0.0071405	0.0354894	0.8405419	0.8576144	20	0.97196019
ENSG00000225706	9	RP11-75C9.1	8858130	rs118077803	9	8858350	A	G	0.134195	0.00588787	0.0135297	0.66343	-1.00137	0.115716	4.99E-18	-0.0058798	0.0135283	0.6638296	0.1485261	20	0.93322639
ENSG00000107165	9	TYRP1	12685439	rs10960775	9	12742172	A	C	0.600398	0.00229125	0.00847039	0.786774	0.611908	0.0907805	1.58E-11	0.00374444	0.0138537	0.7869421	0.4380762	20	0.96351947
ENSG00000235448	9	RP11-3L8.3	12700100	rs1074789	9	12752340	G	A	0.60835	0.00282629	0.00849386	0.739328	0.877801	0.0736117	8.80E-33	0.00321974	0.00968006	0.7394245	0.4134357	20	0.95052249
ENSG00000153714	9	LURAP1L	12775020	rs10960778	9	12756528	A	G	0.607356	0.0052107	0.00844126	0.537044	0.908094	0.0741981	1.93E-34	0.00573806	0.0093074	0.5375608	0.4810209	20	0.88747737
ENSG00000272871	9	RP11-408A13.4	14588795	rs10961656	9	14676883	C	T	0.383698	0.0167433	0.00826363	0.0427504	0.665942	0.0735568	1.39E-19	0.0251423	0.0127159	0.0480153	0.5985356	20	0.52671817
ENSG00000164946	9	FREM1	14734664	rs7040444	9	15059821	T	G	0.237575	0.0123372	0.00938607	0.188707	0.585315	0.0895752	6.39E-11	0.0210779	0.0163571	0.1975359	0.40319	20	0.74217028
ENSG00000215237	9	RP11-54D18.2	14993310	rs1916311	9	15019719	C	T	0.5	-0.0052414	0.00807877	0.516473	0.966079	0.0692966	3.56E-44	-0.0054255	0.00837148	0.5169265	0.2236671	20	0.88027463
ENSG00000164989	9	CCDC171	15552895	rs9298741	9	15837531	G	A	0.480119	-0.0134868	0.00807707	0.0949664	-0.566036	0.0624004	1.18E-19	0.0238268	0.0145093	0.100554	0.02424519	20	0.64834522
ENSG00000044459	9	CNTLN	17134980	rs60520802	9	17300057	C	A	0.276342	0.0207438	0.00953921	0.0296613	0.429478	0.0702619	9.81E-10	0.0483	0.0235749	0.04048241	0.0828586	18	0.50809144
ENSG00000273226	9	RP11-513M16.8	19375449	rs10114039	9	19352260	T	A	0.0944334	0.00044121	0.0172996	0.979653	0.732455	0.11976	9.59E-10	0.00060237	0.0236189	0.9796532	0.1006718	10	0.99456097
ENSG00000261402	9	RP11-378I6.1	19926092	rs4977349	9	19899443	G	A	0.723658	-0.0039795	0.00885694	0.65321	-0.342355	0.0458154	7.87E-14	0.0116238	0.0259174	0.653795	0.7765485	17	0.92964587
ENSG00000188921	9	PTPLAD2	20995306	rs10964805	9	21031479	T	C	0.606362	-0.0007358	0.00807069	0.927361	0.500427	0.0680274	1.89E-13	-0.0014703	0.0161288	0.9273662	0.4691674	20	0.98793237
ENSG00000198642	9	KLHL9	21329670	rs118018599	9	21340597	A	G	0.028827	-0.0118609	0.0196705	0.546521	-0.745158	0.133831	2.58E-08	0.0159173	0.0265521	0.5488568	0.7407559	10	0.89134276
ENSG00000099810	9	MTAP	21802542	rs1414253	9	21755630	A	G	0.39165	0.0116092	0.00810748	0.152167	-0.393512	0.0570074	5.10E-12	-0.0295015	0.0210415	0.1608961	0.2986194	20	0.71666927
ENSG00000234840	9	RP11-399D6.2	22646199	rs842842	9	22767821	C	A	0.579523	-0.0005394	0.00810426	0.946932	-0.522572	0.0916462	1.18E-08	0.00103224	0.0155095	0.9469357	0.4169939	5	0.99289521
ENSG00000096872	9	IFT74	26947037	rs10967614	9	26943770	T	C	0.0467197	0.0175023	0.0134586	0.193445	0.890938	0.139232	1.56E-10	0.0196448	0.0154149	0.2025206	0.9741351	5	0.74217028
ENSG00000147894	9	C9orf72	27546544	rs774358	9	27559997	A	T	0.718688	-0.0039388	0.00900197	0.661718	0.450388	0.0555251	5.00E-16	-0.0087452	0.0200162	0.6621781	0.00742413	20	0.93322639
ENSG00000122729	9	ACO1	32384618	rs10970987	9	32457189	C	T	0.0685885	0.00640544	0.0135724	0.636966	0.625605	0.100338	4.52E-10	0.0102388	0.0217569	0.6379265	0.3121464	5	0.92478125
ENSG00000241043	9	GVQW1	32566787	rs673710	9	32564173	G	T	0.456262	0.00105343	0.00829122	0.898898	-0.567096	0.0821393	5.05E-12	-0.0018576	0.014623	0.8989149	0.5278401	9	0.98426875
ENSG00000188133	9	TMEM215	32783497	rs10971181	9	32886199	C	T	0.116302	-0.0108665	0.0101566	0.284668	1.10624	0.127402	3.85E-18	-0.0098229	0.00925062	0.288297	0.1750854	4	0.79695678
ENSG00000165269	9	AQP7	33384765	rs17251987	9	33388289	T	C	0.10338	-0.0005981	0.0119204	0.959981	1.43393	0.120195	8.26E-33	-0.0004171	0.00831317	0.9599812	0.5871712	12	0.99428844
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.6447	0.0640797	8.22E-24	-0.0008707	0.0143002	0.9514467	0.8056729	17	0.99369944
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.5894	0.17293	3.89E-20	0.0193734	0.0099861	0.05237519	0.02583252	20	0.54679043
ENSG00000010438	9	PRSS3	33750515	rs855584	9	33749363	C	G	0.356859	0.0115406	0.00824352	0.161524	-0.546533	0.0680999	1.01E-15	-0.021116	0.0153111	0.1678533	0.7504758	15	0.72148239
ENSG00000164978	9	NUDT2	34329504	rs10971957	9	34151463	T	C	0.590457	-0.0061091	0.0082792	0.460581	0.454692	0.0510061	4.90E-19	-0.0134358	0.0182706	0.462111	0.5697234	19	0.87345602
ENSG00000205143	9	ARID3C	34621376	rs10814130	9	34637991	A	C	0.148111	0.0132436	0.0123716	0.284402	0.635934	0.0971795	5.99E-11	0.0208254	0.0197128	0.2907663	0.7382345	6	0.79910376
ENSG00000213930	9	GALT	34638130	rs2070074	9	34649442	G	A	0.102386	-0.0116565	0.0127672	0.361243	-0.519204	0.0888796	5.17E-09	0.0224507	0.0248885	0.3670288	0.5920849	10	0.8352928
ENSG00000137070	9	IL11RA	34650699	rs2070074	9	34649442	G	A	0.102386	-0.0116565	0.0127672	0.361243	0.477016	0.0840409	1.38E-08	-0.0244363	0.0271088	0.3673669	0.5445066	8	0.8352928
ENSG00000230074	9	RP11-195F19.9	34665662	rs928150	9	34685940	T	C	0.196819	-0.0129471	0.0123738	0.295407	-0.806092	0.0991353	4.25E-16	0.0160616	0.0154769	0.2993748	0.2693361	17	0.80291535
ENSG00000198467	9	TPM2	35681989	rs3793540	9	35689951	T	A	0.275348	0.0154087	0.00937767	0.100357	-0.725755	0.0729603	2.59E-23	-0.0212313	0.0130964	0.1049837	0.7765021	20	0.65745539
ENSG00000137103	9	TMEM8B	35814448	rs2381409	9	35829390	T	C	0.611332	-0.0125076	0.00814061	0.124428	-0.635637	0.0656723	3.71E-22	0.0196773	0.0129674	0.1291544	0.1015648	20	0.68763149
ENSG00000165275	9	TRMT10B	37753804	rs4878174	9	37775467	C	T	0.568588	0.00388829	0.00818931	0.634929	-0.298762	0.0534206	2.24E-08	-0.0130147	0.0275094	0.6361427	0.2112611	3	0.92409663

ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.36884	0.108869	2.96E-36	-0.0008297	0.00765143	0.9136502	0.105557	13	0.985717
ENSG00000137124	9	ALDH1B1	38392661	rs4878804	9	38392494	C	G	0.870775	9.77E-05	0.0120868	0.993554	-0.627526	0.0972926	1.12E-10	-0.0001556	0.0192611	0.9935537	0.5263666	4	0.99818905
ENSG00000237846	9	RP11-216M21.1	42250840	rs62542397	9	42204111	A	G	0.687873	-0.0024169	0.0103234	0.814897	-0.952325	0.0870894	7.84E-28	0.00253784	0.0108427	0.8149383	0.7135977	3	0.96552943
ENSG00000230804	9	RP11-216M21.2	42266980	rs62542397	9	42204111	A	G	0.687873	-0.0024169	0.0103234	0.814897	-0.877726	0.0836176	8.93E-26	0.00275354	0.0117645	0.8149418	0.7035148	3	0.96552943
ENSG00000154529	9	CNTNAP3B	43684902	rs4121930	9	44173964	G	C	0.612326	-0.0082367	0.00884085	0.351508	0.517712	0.0922352	1.99E-08	-0.0159099	0.0173104	0.3580468	0.7774184	5	0.83410235
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.60335	0.090175	2.22E-11	0.0243981	0.0168817	0.1483899	0.8446965	7	0.70919091
ENSG00000106733	9	NMRK1	77675489	rs10869500	9	77707695	T	A	0.366799	-0.0057783	0.00889866	0.516118	-1.11454	0.0743439	8.32E-51	0.00518444	0.00799164	0.5165107	0.2951543	20	0.88027463
ENSG00000254473	9	RP11-522I20.3	86322509	rs77843119	9	86233440	C	T	0.159046	-0.0182546	0.0123943	0.140799	0.673854	0.11023	9.77E-10	-0.0270898	0.0189194	0.1521862	0.7398366	5	0.71191488
ENSG00000226237	9	RP11-276H19.1	89563614	rs10868529	9	89664886	C	T	0.675944	0.00024733	0.00833427	0.976325	0.586076	0.103644	1.56E-08	0.00042201	0.0142207	0.9763259	0.08157647	8	0.99453968
ENSG00000231007	9	CDC20P1	89626567	rs4472598	9	89613598	T	C	0.728628	0.00310869	0.00911359	0.733024	-0.486882	0.079376	8.58E-10	-0.0063849	0.0187472	0.7334208	0.9912712	5	0.94884724
ENSG00000123975	9	CKS2	91926113	rs10119002	9	91963682	A	G	0.915507	-0.007827	0.0178097	0.660315	0.913678	0.114122	1.18E-15	-0.0085665	0.0195217	0.6607935	0.19944	6	0.93322639
ENSG00000187764	9	SEMA4D	91975702	rs56091496	9	92111757	G	A	0.232604	-0.0037202	0.0101922	0.715112	-0.293381	0.047535	6.75E-10	0.0126803	0.0348012	0.7155869	0.9557314	11	0.94694728
ENSG00000229694	9	RP11-305L7.6	93881344	rs4744035	9	93922267	G	A	0.929423	-0.0084577	0.0143354	0.555198	-1.26769	0.17178	1.59E-13	0.00667175	0.0113444	0.5564576	0.5562446	19	0.89377419
ENSG00000234537	9	RP11-100G15.7	94894680	rs3901406	9	94896482	A	C	0.32505	-0.0072265	0.00839577	0.389389	0.793408	0.0737322	5.28E-27	-0.0091081	0.0106157	0.3909009	0.9593239	20	0.8477398
ENSG00000188312	9	CENPP	95087766	rs10992314	9	95117419	T	C	0.175944	-0.0138549	0.0117778	0.239453	0.959454	0.0767562	7.46E-36	-0.0144404	0.0123298	0.2415255	0.5081223	20	0.76866335
ENSG00000127084	9	FGD3	95709733	rs55654224	9	95796063	C	A	0.0427435	-0.0283856	0.0220485	0.19795	0.631564	0.112551	2.01E-08	-0.0449449	0.035818	0.2095462	0.9055242	3	0.74658316
ENSG00000131669	9	NINJ1	95883771	rs7033638	9	95883785	C	T	0.187873	0.0082688	0.0100264	0.409542	-0.260154	0.0472542	3.68E-08	-0.0317842	0.0389703	0.4147274	0.9289761	7	0.86117441
ENSG00000227603	9	RP11-165J3.6	96197614	rs7025805	9	96243745	G	A	0.127237	0.0138075	0.0117165	0.23861	0.896222	0.114337	4.56E-15	0.0154063	0.0132201	0.2438696	0.4013833	20	0.76866335
ENSG00000148110	9	HIATL1	97136833	rs7038593	9	97246534	T	C	0.463221	0.00166271	0.00804861	0.836335	0.269902	0.0403906	2.35E-11	0.00616042	0.0298347	0.8364122	0.3813285	19	0.96964858
ENSG00000165140	9	FBP1	97365415	rs7019207	9	97400555	A	G	0.0775348	0.035465	0.0185056	0.0553083	0.637644	0.108917	4.79E-09	0.0556188	0.0305372	0.06855467	0.1184465	5	0.57759076
ENSG00000175611	9	LINC00476	98521513	rs10759883	9	98552763	T	C	0.579523	-0.0144375	0.00813736	0.0760256	-0.773377	0.076487	4.93E-24	0.0186681	0.0106826	0.08054633	0.4661174	20	0.60868991
ENSG00000182150	9	ERCC6L2	98637983	rs2296858	9	98803408	T	C	0.302187	0.0212579	0.00904794	0.0188001	0.408222	0.070729	7.85E-09	0.0520744	0.0239303	0.02954895	0.9995108	14	0.46490964
ENSG00000224848	9	RP11-535M15.1	99449338	rs10978583	9	99446956	C	G	0.145129	0.0275873	0.0106577	0.00963962	-0.759244	0.105511	6.21E-13	-0.0363352	0.0149178	0.01486335	0.07874191	10	0.3522782
ENSG00000196312	9	HIATL2	99660348	rs9722684	9	99656571	G	A	0.0328032	0.0363968	0.0151546	0.0163189	-1.07164	0.11586	2.26E-20	-0.0339636	0.0146105	0.02009269	0.1510343	19	0.38865683
ENSG00000228376	9	RP11-520B13.4	99837953	rs10817097	9	99865802	T	C	0.182903	-0.0242773	0.0108598	0.0253828	0.460737	0.0695012	3.38E-11	-0.0526923	0.0248746	0.03414837	0.3352925	20	0.48743989
ENSG00000203279	9	RP11-498P14.5	99962757	rs10981278	9	99995270	G	C	0.61332	0.00101113	0.00841964	0.90441	0.864837	0.0737604	9.50E-32	0.00116916	0.00973603	0.9044154	0.1724633	20	0.98439248
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.767462	0.0629222	3.22E-34	0.00116197	0.0105623	0.9124004	0.6454961	17	0.985717
ENSG00000095383	9	TBC1D2	100961311	rs733040	9	100972388	G	A	0.50994	0.0128062	0.00806743	0.112424	0.435035	0.0437071	2.44E-23	0.0294372	0.0187787	0.116978	0.1541198	20	0.66853336
ENSG00000136881	9	BAAT	104122699	rs41281029	9	104151980	A	G	0.0904573	-0.0129963	0.0166871	0.436085	-0.70348	0.115048	9.67E-10	0.0184743	0.0239124	0.43977	0.07131125	10	0.86824012
ENSG00000136824	9	SMC2	106856541	rs2274725	9	106864570	T	C	0.569583	0.00585908	0.00824724	0.477439	-0.685033	0.0589121	2.97E-31	-0.008553	0.0120616	0.4782581	0.79284	20	0.87540637
ENSG00000136783	9	NIPSNAP3A	107509969	rs10761085	9	107542068	T	G	0.254473	-0.0170087	0.00890257	0.0560635	-0.472806	0.0700438	1.48E-11	0.035974	0.0195689	0.06601482	0.6179213	20	0.57090594
ENSG00000226334	9	RP11-217B7.2	107689834	rs1800977	9	107690450	A	G	0.373757	-0.0052229	0.00815702	0.521984	-0.599811	0.10006	2.04E-09	0.00870751	0.0136767	0.5243407	0.625941	6	0.88172312
ENSG00000148143	9	ZNF462	109625378	rs7853813	9	109787178	T	C	0.082505	-0.0166481	0.0143495	0.245972	0.553689	0.0903853	9.02E-10	-0.0300676	0.0263769	0.2543184	0.784696	8	0.77238055
ENSG00000119326	9	CTNNAL1	111704851	rs149545291	9	111809592	A	G	0.0248509	-0.044643	0.0275838	0.105566	0.952273	0.151096	2.93E-10	-0.0468805	0.0299061	0.1169774	0.315706	10	0.66853336
ENSG00000106771	9	TMEM245	111777432	rs838834	9	111715207	C	T	0.195825	0.00881741	0.0122101	0.470207	0.297581	0.0545485	4.89E-08	0.0296303	0.0413891	0.4740557	0.4915857	7	0.87401101
ENSG00000106853	9	PTGR1	114312002	rs59165439	9	114357952	T	C	0.235586	-0.0154837	0.00906671	0.0876819	-0.53504	0.0692122	1.07E-14	0.0289393	0.0173544	0.09540564	0.05241495	16	0.64788751
ENSG00000204173	9	LRRC37A5P	114353872	rs1570304	9	114401173	T	C	0.555666	0.00311354	0.00847628	0.713377	-0.442712	0.0655583	1.45E-11	-0.0070329	0.0191746	0.7137819	0.00353504	15	0.94676102
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.476134	0.0418384	5.24E-30	-0.0020582	0.0186836	0.9122839	0.08304787	20	0.985717
ENSG00000106868	9	SUSD1	114803065	rs10817277	9	114934532	A	G	0.34493	0.00598081	0.00812306	0.461563	-0.200721	0.036499	3.81E-08	-0.0297966	0.0408305	0.4655344	0.8056701	6	0.87345602
ENSG00000228623	9	ZNF883	115759495	rs7036363	9	115760587	A	G	0.163022	0.00251111	0.0105483	0.811835	0.567145	0.0767112	1.43E-13	0.00442763	0.0186086	0.8119315	0.8732535	6	0.96552943
ENSG00000176386	9	CDC26	116018115	rs10981712	9	116046126	C	G	0.280318	-0.0043153	0.00886331	0.626347	-0.437014	0.0658377	3.19E-11	0.00987456	0.020336	0.627272	0.7482961	18	0.91838156
ENSG00000136875	9	PRPF4	116037623	rs78371876	9	116063292	T	C	0.193837	-0.0025896	0.00945821	0.78424	0.541057	0.0930953	6.18E-09	-0.0047862	0.0175004	0.7844737	0.8046502	5	0.96351947
ENSG00000136883	9	KIF12	116848406	rs12338362	9	116864326	C	T	0.260437	-0.0053442	0.00969813	0.581595	-0.224209	0.0371194	1.54E-09	0.0238358	0.0434345	0.5831587	0.5292971	3	0.90180705
ENSG00000233569	9	RP11-500B12.1	120410884	rs7026576	9	120398420	G	A	0.826044	0.0049961	0.0126174	0.692129	-0.793384	0.110509	7.00E-13	-0.0062972	0.0159274	0.6925712	0.6266546	9	0.9413952
ENSG00000095261	9	PSMD5	123577774	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-0.359906	0.0653791	3.69E-08	-0.0245345	0.0231103	0.2884062	0.3840837	10	0.79695678
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.16055	0.0665596	4.38E-68	-0.0076086	0.00704588	0.2802056	0.6145699	20	0.79306676
ENSG00000056558	9	TRAF1	123664671	rs2239658	9	123671837	C	T	0.641153	0.0121366	0.00810639	0.134349	0.437705	0.0432558	4.55E-24	0.0277278	0.0187218	0.1385955	0.5639525	20	0.7003067
ENSG00000224020	9	MIR181A2HG	127420746	rs6478680	9	127458468	A	G	0.481113	-0.0063895	0.00806726	0.428343	-0.536493	0.0907429	3.38E-09	0.0119098	0.0151714	0.4324444	0.2446815	12	0.86609543
ENSG00000185585	9	OLFML2A	127539437	rs12375547	9	127616537	G	A	0.432406	-0.0092433	0.00900281	0.304555	-0.301694	0.0508657	3.01E-09	0.030638	0.0302847	0.3116971	0.2660523	14	0.80584798
ENSG00000119414	9	PPP6C	127908852	rs405631	9	127968496	C	A	0.32008	-0.0149226	0.0104531	0.153416	-0.262282	0.0428924	9.66E-10	0.0568952	0.0409261	0.16447	0.2136099	7	0.71666927
ENSG00000136856	9	SLC2A8	130159421	rs11794990	9	130171020	G	A	0.248509	0.00413816	0.00832836	0.619276	-0.440928	0.0677789	7.75E-11	-0.0093851	0.0189433	0.6202947	0.5819908	7	0.91768182
ENSG00000197958	9	RPL12	130209953	rs2243906	9	130219669	T	C	0.632207	0.00713934	0.00859388	0.406117	0.35603	0.0374529	1.98E-21	0.0200526	0.0242301	0.4079012	0.7326715	20	0.85809947
ENSG00000167103	9	PIP5KL1	130683158	rs2274424	9	130699917	A	G	0.869781	0.00923538	0.0119818	0.440835	-0.615105	0.0948407	8.83E-11	-0.0150143	0.0196164	0.4440347	0.09623458	13	0.86824012
ENSG00000136908	9	DPM2	130697378	rs2274426	9	130707081	G	A	0.870775	0.0110131	0.0120252	0.359754	-0.60125	0.07102	2.54E-17	-0.018317	0.020117	0.3625469	0.0770582	13	0.8352928
ENSG00000228510	9	RP11-339B21.8	131206866	rs7872212	9	131198807	A	G	0.232604	-0.0037819	0.00938131	0.686852	-0.599628	0.0652438	3.91E-20	0.00630709	0.0156603	0.6871357	0.7871252	15	0.93988406
ENSG00000175287	9	PHYHD1	131683174	rs55758160	9	131685015	G	A	0.410537	0.00364907	0.00834004	0.661723	-0.286183	0.0348298	2.09E-16	-0.0127508	0.0291836	0.6621714	0.4516259	7	0.93322639
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.38471	0.159275	3.50E-18	0.00977317	0.0106512	0.3588452	0.04833424	16	0.83455291
ENSG00000204055	9	RP11-247A12.2	131939050	rs10988239	9	131943440	T	C	0.534791	-0.0116804	0.0081247	0.150537	-0.347355	0.0605152	9.47E-09	0.0336267	0.0241127	0.1631471	0.5926496	10	0.71666927
ENSG00000136816	9	TOR1B	132565432	rs55962905	9	132591272	C	T	0.274354	-0.0011203	0.00946166	0.905745	0.721779	0.087781	1.99E-16	-0.0015522	0.0131102	0.9057546	0.6732181	16	0.98439248
ENSG00000130714	9	POMT1	134378289	rs7867616	9	134406071	G	C	0.837972	0.0143072	0.00982364	0.145282	0.529105	0.0680884	7.80E-15	0.0270404	0.0188898	0.1522924	0.7107893	14	0.71191488
ENSG00000130717	9	UCK1	134399188	rs9792668	9	134406963	G	C	0.39662	0.00480235	0.00857588	0.575492	-0.179644	0.0277727	9.91E-11	-0.0267326	0.0479168	0.576915	0.2768058	9	0.89957869
ENSG00000125485	9	DDX31	135468384	rs62576216	9	135584299	A	G	0.196819	-0.0037887	0.0095361	0.691143	0.665556	0.0912951	3.10E-13	-0.0056926	0.0143493	0.6915775	0.4342213	18	0.9413952
ENSG00000165695	9	AK8	135600965	rs2771990	9	135711437	G	A	0.796223	-0.0085528	0.0105601	0.417991	0.527231	0.0642172	2.21E-16	-0.0162221	0.0201266	0.420242	0.6667235	19	0.86292154
ENSG00000165699	9	TSC1	135766735	rs9696501	9	135783754	A	G	0.144135	-0.0104169	0.0123331	0.398316	-0.416186	0.0622749	2.34E-11	0.0250294	0.0298694	0.4020511	0.4096445	5	0.85349175
ENSG00000148288	9	GBGT1	136028340	rs9411363	9	136039398	G	C	0.511928	0.00190303	0.00824743	0.817515	-0.322237	0.0442119	3.13E-13	-0.0059057	0.0256071	0.8176049	0.05153544	3	0.96663668
ENSG00000148296	9	SURF6	136197552	rs28729234	9	136295232	T	C	0.124254	0.0100077	0.0121418	0.409804	0.512447	0.081468	3.17E-10	0.0195292	0.0238963	0.4137862	0.114071	19	0.86117441
ENSG00000148290	9	SURF1	136218610	rs2073932	9	136305439	G	A	0.578529	-0.0069116	0.00843074	0.412326	0.610483	0.0677516	2.05E-19	-0.0113215	0.013867	0.4142515	0.5301083	20	0.86117441
ENSG00000160323	9	ADAMTS13	136279478	rs1055432	9	136324239	A	C	0.333996	0.00305575	0.00836825	0.714992	0.430927	0.0599168	6.38E-13	0.00709111	0.0194442	0.7153427	0.01894898	20	0.94694728
ENSG00000123453	9	SARDH	136528682	rs10761412	9	136519590	C	T	0.429423	0.0208268	0.00820575	0.0111463	0.295918	0.0411818	6.69E-13	0.0703803	0.0294088	0.01670331	0.09485757	20	0.3522782
ENSG00000148386	9	LCN9	138555168	rs510984	9	138551254	A	G	0.505964	-0.0078215	0.00806886	0.332375	0.501037	0.0783088	1.57E-10	-0.0156106	0.0162881	0.3378587	0.3442332	7	0.8217709
ENSG00000107147	9	KCNT1	138594031	rs11103190	9	138679895	C	T	0.235586	-0.0154482	0.0108632	0.155007	-0.268048	0.0364341	1.88E-13	0.0576322	0.0412772	0.1626472	0.3386345	20	0.71666927
ENSG00000213221	9	DNLZ	139253932	rs57052773	9	139385701	C	T	0.0367793	-0.0061314	0.0188263	0.744665	1.37942	0.162831	2.42E-17	-0.0044449	0.0136581	0.7448468	0.5752602	8	0.95374234
ENSG00000148384	9	INPP5E	139323071	rs10870194	9	139327034	G	A	0.411531	-0.0013987	0.00851861	0.869583	-0.506501	0.0517404	1.25E-22	0.00276142	0.0168209	0.8696007	0.3927485	20	0.97700295
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-1.04502	0.0866113	1.60E-33	-0.0078413	0.0152371	0.6068217	0.1222285	7	0.91214701
ENSG00000177984	9	LCN15	139654086	rs11145867	9	139653055	T	C	0.656064	-0.0059517	0.00819925	0.467909	-0.832653	0.0915493	9.45E-20	0.0071479	0.00987845	0.4693205	0.3819311	20	0.87345602
ENSG00000228544	9	KIAA1984-AS1	139698379	rs2784097	9	139707056	C	A	0.803181	0.00309455	0.0109443	0.777365	-0.515363	0.0726278	1.28E-12	-0.0060046	0.021253	0.7775369	0.6849313	15	0.96329762
ENSG00000184925	9	LCN12	139844003	rs10781527	9	139852224	C	T	0.693837	1.39E-05	0.00851248	0.998695	-0.347155	0.0473664	2.32E-13	-4.01E-05	0.0245207	0.9986952	0.8214798	20	0.9990008
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-1.0944	0.121547	2.18E-19	-0.0032709	0.021423	0.8786499	0.9871449	12	0.97700295
ENSG00000148362	9	C9orf142	139886870	rs4355883	9	139899265	C	T	0.67495	0.00519161	0.00848352	0.540561	0.278073	0.0370735	6.35E-14	0.01867	0.0306096	0.5419033	0.6208084	19	0.88821024
ENSG00000180539	9	C9orf139	139921916	rs7025728	9	139932927	A	G	0.32505	-0.0115394	0.00851594	0.175407	-0.413253	0.0734505	1.84E-08	0.0279233	0.0211963	0.1877154	0.8971674	8	0.73459898
ENSG00000268996	9	AL807752.1	139980807	rs7047669	9	139993536	T	C	0.40159	-0.0032043	0.00836759	0.701761	0.449058	0.0528444	1.93E-17	-0.0071357	0.0186526	0.7020482	0.4610355	20	0.94421269
ENSG00000188986	9	NELFB	140149625	rs9722542	9	140169270	A	G	0.733598	-0.0010514	0.00891227	0.906087	0.328805	0.0459445	8.27E-13	-0.0031978	0.0271087	0.9060988	0.00104925	9	0.98439248
ENSG00000130653	9	PNPLA7	140354404	rs10746563	9	140444078	C	T	0.447316	0.00739088	0.00829792	0.373095	0.621934	0.0539867	1.04E-30	0.0118837	0.0133819	0.374519	0.00145494	19	0.83748989
ENSG00000197070	9	ARRDC1	140500106	rs34249205	9	140508031	G	A	0.131213	0.0426133	0.0101972	2.93E-05	0.318671	0.05284	1.63E-09	0.133722	0.0389305	0.0005928	0.7171574	15	0.16772553
ENSG00000148408	9	CACNA1B	140772241	rs2739260	9	141012064	G	A	0.523857	0.00307667	0.00837585	0.713375	-0.164079	0.0278899	4.03E-09	-0.0187512	0.0511471	0.7139082	0.1908851	19	0.94676102
ENSG00000225140	10	RP11-809C18.3	674578	rs574112	10	739162	A	G	0.0954274	-0.0243972	0.0138488	0.0781232	-0.400044	0.0643276	5.01E-10	0.0609863	0.0359804	0.09007812	0.4267949	7	0.63306891
ENSG00000185736	10	ADARB2	1228073	rs7100066	10	1293100	G	A	0.307157	0.00232095	0.00866087	0.788713	0.478627	0.0630369	3.13E-14	0.00484918	0.0181065	0.7888422	0.1740567	8	0.96351947
ENSG00000205696	10	ADARB2-AS1	1568832	rs11250616	10	1592406	G	A	0.416501	-0.0171226	0.00820739	0.0369564	-0.483966	0.0721466	1.97E-11	0.0353798	0.0177598	0.0463576	0.2179899	6	0.52621691
ENSG00000107959	10	PITRM1	3179920	rs76088740	10	3193412	T	C	0.0447316	0.0123085	0.0179728	0.493445	-1.56366	0.156141	1.32E-23	-0.0078716	0.0115209	0.4944523	0.7711898	20	0.87805165
ENSG00000237399	10	PITRM1-AS1	3183824	rs10508247	10	3181577	C	G	0.387674	-0.0024155	0.0082791	0.770474	-0.53826	0.0889787	1.45E-09	0.00448755	0.0153991	0.7707329	0.9892285	14	0.96074603
ENSG00000187134	10	AKR1C1	4934796	rs7896709	10	4965266	T	C	0.412525	0.00057884	0.00812923	0.943235	0.842676	0.0767874	5.09E-28	0.00068691	0.00964713	0.9432362	0.8636809	20	0.99247344
ENSG00000151632	10	AKR1C2	5029967	rs67362530	10	5043504	A	G	0.131213	-0.0031119	0.0120072	0.795503	0.865156	0.125378	5.19E-12	-0.003597	0.0138884	0.7956441	0.68513	11	0.96351947
ENSG00000057608	10	GDI2	5807186	rs72772390	10	5849917	G	C	0.200795	0.0230833	0.0100395	0.0214907	-0.304468	0.0510384	2.44E-09	-0.0758152	0.0353383	0.03192012	0.8694544	15	0.48327225
ENSG00000225383	10	SFTA1P	10826400	rs11256836	10	10835220	C	T	0.2167	0.0131392	0.00906482	0.147205	0.574212	0.078457	2.50E-13	0.0228821	0.0160932	0.1550682	0.5942704	20	0.71396894
ENSG00000229206	10	RP11-397O4.1	11072297	rs61830392	10	11074626	T	G	0.522863	0.00163378	0.00810776	0.840301	0.551406	0.0842063	5.82E-11	0.00296293	0.0147108	0.8403758	0.819774	7	0.97196019
ENSG00000134463	10	ECHDC3	11784365	rs3814626	10	11784088	C	T	0.284294	0.0124526	0.00903434	0.168093	-0.653791	0.10046	7.62E-11	-0.0190468	0.0141249	0.1775134	0.4024096	14	0.72148239
ENSG00000065665	10	SEC61A2	12171636	rs11257565	10	12190525	C	T	0.405567	0.011125	0.00827442	0.178785	-0.304888	0.0386984	3.31E-15	-0.0364888	0.0275316	0.1850568	0.6565486	11	0.72973544
ENSG00000165609	10	NUDT5	12207324	rs4750174	10	12199742	C	T	0.431412	0.00964184	0.00820419	0.239902	-0.36295	0.0656349	3.21E-08	-0.0265652	0.023109	0.2503255	0.8247772	12	0.76959804
ENSG00000151468	10	CCDC3	12938627	rs564022	10	13055619	A	G	0.863817	-0.0292448	0.0131329	0.0259585	0.47795	0.0822358	6.18E-09	-0.061188	0.0294254	0.03757809	0.6095771	10	0.49915936
ENSG00000165626	10	BEND7	13480484	rs11258419	10	13536086	G	A	0.536779	-0.011319	0.00815003	0.164883	-0.297978	0.053727	2.92E-08	0.037986	0.0281956	0.1779058	0.3342545	6	0.72148239
ENSG00000065809	10	FAM107B	14560556	rs1571040	10	14612372	A	G	0.828032	-0.0027288	0.011279	0.808829	-0.220127	0.0363348	1.38E-09	0.0123965	0.0512794	0.8089781	0.3137869	7	0.96552943
ENSG00000152457	10	DCLRE1C	14939358	rs12259906	10	14920102	G	T	0.162028	0.00478037	0.0134609	0.722492	0.510649	0.0820532	4.87E-10	0.00936136	0.0264033	0.7229243	0.3252309	7	0.94753093
ENSG00000176236	10	C10orf111	15137384	rs45494102	10	15148115	T	C	0.0427435	-0.0271964	0.0201377	0.17685	-0.850849	0.141612	1.87E-09	0.0319638	0.0242583	0.1876224	0.4987569	12	0.73459898
ENSG00000152465	10	NMT2	15144583	rs78608377	10	15212860	A	G	0.225646	0.00836481	0.00994684	0.400375	-0.468707	0.0752952	4.82E-10	-0.0178466	0.0214147	0.4046298	0.2951242	11	0.85476009
ENSG00000077943	10	ITGA8	15555948	rs10752391	10	15537270	T	C	0.734592	0.00257192	0.00882469	0.77071	-0.537543	0.0942594	1.18E-08	-0.0047846	0.0164381	0.7710008	0.6183699	10	0.96074603
ENSG00000107611	10	CUBN	16865963	rs7100163	10	17181177	T	C	0.336978	0.00267081	0.00932733	0.774615	0.363981	0.0567467	1.42E-10	0.00733777	0.0256514	0.7748341	0.2053756	4	0.96214355
ENSG00000226083	10	SLC39A12-AS1	18290715	rs11012783	10	18425418	G	A	0.420477	-0.0124368	0.00811649	0.125452	0.807191	0.080754	1.59E-23	-0.0154075	0.0101727	0.1298749	0.3142676	20	0.69034317
ENSG00000240291	10	RP11-499P20.2	18802044	rs4747349	10	18801234	C	G	0.372763	-0.0015247	0.00851168	0.85784	0.534179	0.0775318	5.59E-12	-0.0028542	0.0159395	0.8578875	0.03159101	9	0.976398
ENSG00000225527	10	RP11-383B4.4	18820778	rs58857018	10	18914007	C	G	0.184891	-0.0061469	0.0104364	0.555872	0.884873	0.136761	9.79E-11	-0.0069466	0.011843	0.5575009	0.2863971	10	0.89377419
ENSG00000241058	10	NSUN6	18834490	rs11015411	10	18945939	T	G	0.536779	-0.0097524	0.0080614	0.226367	0.478538	0.0497664	6.87E-22	-0.0203796	0.0169787	0.2300203	0.05869969	20	0.76373142
ENSG00000204740	10	C10orf112	19492779	rs1041635	10	19776296	T	A	0.740557	0.00900653	0.011217	0.422013	-0.54894	0.0915197	2.00E-09	-0.0164071	0.0206162	0.426127	0.5685312	16	0.86364609
ENSG00000150867	10	PIP4K2A	22823778	rs746203	10	22830541	T	C	0.616302	0.00300324	0.00832542	0.7183	0.189225	0.0278607	1.11E-11	0.0158713	0.0440595	0.7186799	0.8319842	20	0.94753093
ENSG00000099256	10	PRTFDC1	25137536	rs1326192	10	25140411	C	G	0.472167	0.00220309	0.00840491	0.79323	-0.267387	0.0428142	4.23E-10	-0.0082393	0.0314612	0.7934071	0.05879566	4	0.96351947
ENSG00000095777	10	MYO3A	26223196	rs11014914	10	26307291	G	T	0.159046	0.00760374	0.0129042	0.555698	0.427714	0.0690907	5.99E-10	0.0177776	0.0303065	0.5574763	0.808124	12	0.89377419
ENSG00000231976	10	LINC00202-2	26932098	rs58270499	10	26924243	G	A	0.0675944	0.00864911	0.0196307	0.659509	1.21905	0.162143	5.55E-14	0.00709496	0.0161309	0.6600556	0.9197898	7	0.93322639
ENSG00000120539	10	MASTL	27443753	rs882474	10	27477865	T	G	0.602386	0.00532259	0.00850032	0.531207	0.442235	0.0567851	6.81E-15	0.0120357	0.0192833	0.5325295	0.5067357	20	0.88643447
ENSG00000230445	10	LRRC37A6P	27535279	rs7075329	10	27600178	T	C	0.649105	-0.0138806	0.00902689	0.124122	0.324561	0.0561415	7.42E-09	-0.0427673	0.0287796	0.1372722	0.8915864	3	0.6978893
ENSG00000224597	10	PTCHD3P1	29698331	rs10740805	10	29764408	T	G	0.382704	-0.0125756	0.00806523	0.118942	0.529147	0.0668329	2.42E-15	-0.0237658	0.0155347	0.1260534	0.00691274	15	0.68123799
ENSG00000259994	10	RP11-305E6.4	30591755	rs7094026	10	30653402	G	A	0.713718	-0.0008789	0.00912934	0.923305	0.377519	0.0626387	1.67E-09	-0.0023281	0.0241855	0.9233146	0.789627	7	0.98793237
ENSG00000273038	10	RP11-479G22.8	33176189	rs2490480	10	32707278	A	G	0.628231	-0.000174	0.00852306	0.983711	0.433553	0.0757725	1.05E-08	-0.0004014	0.0196588	0.9837115	0.9965926	8	0.99575581
ENSG00000271335	10	RP11-324I22.4	35603480	rs4934748	10	35696821	A	G	0.350895	0.00180835	0.00879488	0.837092	0.394969	0.0605089	6.69E-11	0.00457846	0.0222783	0.8371721	0.9490256	12	0.97012251
ENSG00000175395	10	ZNF25	38238500	rs7923868	10	37989766	C	T	0.428429	0.00527511	0.00881645	0.549622	0.185693	0.0285558	7.88E-11	0.0284077	0.0476792	0.5513027	0.9404165	9	0.89134276
ENSG00000272983	10	RP11-508N22.12	38426265	rs149967760	10	38663876	T	C	0.0805169	0.00473996	0.0172462	0.783439	-1.11704	0.135518	1.68E-16	-0.0042433	0.0154478	0.7835558	0.999843	4	0.96344804
ENSG00000215146	10	RP11-313J2.1	42827314	rs9326498	10	42700558	G	A	0.457256	0.0147225	0.00805053	0.0674357	0.677852	0.0661425	1.20E-24	0.0217193	0.0120641	0.07180967	0.9538061	20	0.58788723
ENSG00000182632	10	CCNYL2	42903616	rs2466482	10	42860042	A	G	0.234592	0.0123101	0.00944965	0.192676	0.62067	0.111825	2.85E-08	0.0198336	0.0156386	0.2047119	0.2873338	5	0.74217028
ENSG00000196693	10	ZNF33B	43084555	rs209377	10	43101706	A	G	0.833996	-0.0113576	0.00929289	0.221641	-0.547842	0.0797054	6.27E-12	0.0207315	0.0172288	0.2288577	0.7437383	7	0.76373142
ENSG00000169826	10	CSGALNACT2	43633934	rs12220560	10	43706976	C	G	0.171968	0.00920876	0.0101237	0.363023	0.960152	0.0739833	1.63E-38	0.00959094	0.0105697	0.3641964	0.129001	20	0.8352928
ENSG00000165406	10	8-Mar	45950035	rs2242334	10	45938301	T	G	0.687873	-0.0072506	0.0089992	0.420419	-0.218017	0.0378588	8.48E-09	0.0332571	0.0416796	0.424915	0.1346255	3	0.86364609
ENSG00000172661	10	FAM21C	46222648	rs565409446	10	46237433	A	G	0.0944334	0.0105239	0.0136797	0.441708	-0.908133	0.119128	2.47E-14	-0.0115885	0.0151401	0.4440214	0.3821006	4	0.86824012
ENSG00000188234	10	AGAP4	46321042	rs199863691	10	46259752	G	A	0.275348	-0.0112807	0.00930367	0.22532	-0.698509	0.0927041	4.89E-14	0.0161497	0.0134907	0.2312677	0.09137396	20	0.76373142
ENSG00000251079	10	BMS1P2	47228366	rs57959939	10	47386073	A	C	0.243539	-0.0004369	0.00974389	0.96424	-0.646533	0.112294	8.54E-09	0.00067569	0.0150714	0.9642408	0.04783364	3	0.99428844
ENSG00000226964	10	RHEBP2	47396223	rs57959939	10	47386073	A	C	0.243539	-0.0004369	0.00974389	0.96424	-0.745571	0.121564	8.62E-10	0.00058594	0.0130694	0.9642407	0.05047878	5	0.99428844
ENSG00000204152	10	TIMM23B	51371390	rs147927137	10	51770478	T	C	0.143141	0.00292012	0.00962858	0.761679	0.473932	0.0738793	1.41E-10	0.00616147	0.0203391	0.7619372	0.7380582	7	0.95964323
ENSG00000204149	10	AGAP6	51748078	rs61846901	10	51056858	T	C	0.328032	0.0057272	0.00846512	0.498682	-0.291494	0.0502328	6.52E-09	-0.0196477	0.0292372	0.5015758	0.859854	9	0.87805165
ENSG00000188611	10	ASAH2	51942538	rs1133222	10	52516665	T	C	0.750497	0.00178985	0.00851157	0.833446	0.905874	0.0697898	1.59E-38	0.00197583	0.00939721	0.8334673	0.3865766	20	0.96886511
ENSG00000185532	10	PRKG1	52750945	rs7905063	10	52964590	T	C	0.547714	-0.0084137	0.00819214	0.3044	-0.42859	0.0518738	1.43E-16	0.0196311	0.0192613	0.308108	0.1243285	13	0.80584798
ENSG00000223502	10	RP11-96B5.3	52822339	rs7904024	10	52841790	A	G	0.577535	0.020747	0.00816463	0.011051	-0.577731	0.105384	4.20E-08	-0.0359112	0.0155766	0.0211409	0.647365	4	0.40180001
ENSG00000108064	10	TFAM	60144782	rs4397793	10	60145597	C	G	0.418489	-0.0119401	0.00843707	0.15701	-0.298168	0.051945	9.46E-09	0.0400449	0.0291437	0.1694261	0.2542937	10	0.72148239
ENSG00000196932	10	TMEM26	63166401	rs113236322	10	63104628	C	T	0.0308151	0.00525512	0.0170551	0.757986	1.76937	0.262811	1.67E-11	0.00297005	0.00964917	0.7582316	0.4485302	14	0.95888116
ENSG00000183346	10	C10orf107	63422719	rs12781756	10	63438614	G	A	0.0854871	-0.0190748	0.0112918	0.0911696	0.714514	0.0824976	4.68E-18	-0.0266962	0.0161013	0.09731363	0.5959207	7	0.64834522
ENSG00000165476	10	REEP3	65281123	rs1864390	10	65356109	T	C	0.682903	-0.0031832	0.00860919	0.711572	0.193321	0.0288715	2.14E-11	-0.0164659	0.044601	0.7119912	0.6932484	20	0.94634312
ENSG00000228065	10	RP11-222A11.1	67330096	rs80074217	10	67330226	G	A	0.028827	-0.0086712	0.0252387	0.731171	1.51019	0.249896	1.51E-09	-0.0057418	0.0167393	0.7315872	0.932014	5	0.94884724
ENSG00000108187	10	PBLD	70042417	rs4142049	10	70044452	A	C	0.198807	-0.0023135	0.00913403	0.800049	0.535734	0.0645038	9.94E-17	-0.0043184	0.0170575	0.80014	0.6211734	20	0.96447554
ENSG00000138346	10	DNA2	70173821	rs61856472	10	70252297	A	G	0.106362	-0.0089736	0.0117047	0.44328	-0.895312	0.104131	8.11E-18	0.0100228	0.0131252	0.4450864	0.8053517	20	0.86824012
ENSG00000122912	10	SLC25A16	70237756	rs10823213	10	70252170	A	G	0.136183	-0.0023787	0.010516	0.821046	0.781598	0.0936206	6.91E-17	-0.0030434	0.0134594	0.8211111	0.3848662	16	0.96751805
ENSG00000075073	10	TACR2	71163659	rs4603200	10	71169826	C	T	0.558648	-0.0060951	0.00807327	0.450265	0.470651	0.0631473	9.11E-14	-0.0129504	0.0172412	0.4525749	0.03064081	9	0.86824012
ENSG00000099282	10	TSPAN15	71211229	rs10823398	10	71270363	A	C	0.446322	0.00470692	0.00822371	0.567078	0.234442	0.0326405	6.84E-13	0.0200771	0.035189	0.568304	0.4909773	16	0.8961385
ENSG00000042286	10	AIFM2	71857979	rs6480442	10	71900246	T	C	0.406561	0.00746552	0.00815519	0.359966	-0.427286	0.0635409	1.76E-11	-0.017472	0.0192621	0.3643722	0.3825599	13	0.8352928
ENSG00000079332	10	SAR1A	71907045	rs2310991	10	71931646	A	C	0.459245	0.00156124	0.008054	0.846296	0.306983	0.0415787	1.55E-13	0.00508575	0.026245	0.8463483	0.2590701	20	0.97214076
ENSG00000180817	10	PPA1	71962586	rs7089860	10	71992848	G	C	0.359841	0.0113468	0.00822616	0.167784	0.28443	0.0438999	9.23E-11	0.0398931	0.0295697	0.1772982	0.9551972	14	0.72148239
ENSG00000156574	10	NODAL	72192071	rs35878887	10	72155389	A	G	0.198807	-0.0225671	0.0105305	0.0321115	0.647298	0.0956636	1.32E-11	-0.0348635	0.0170648	0.04105192	0.1288178	17	0.50811424
ENSG00000138316	10	ADAMTS14	72432559	rs2184389	10	72415016	G	A	0.501988	-0.0037417	0.00807824	0.643233	0.46199	0.0519932	6.36E-19	-0.0080991	0.0175095	0.6436828	0.1083717	20	0.92525205

ENSG00000148655	10	C10orf11	77360998	rs61866893	10	78189528	G	A	0.342942	-0.0168092	0.00851726	0.048434	-0.424458	0.0666838	1.95E-10	0.0396016	0.0210086	0.05942723	0.935465	3	0.55445831
ENSG00000156113	10	KCNMA1	78629359	rs2673406	10	79391584	A	T	0.526839	0.0019762	0.00814486	0.808291	-0.183274	0.0317358	7.70E-09	-0.0107828	0.0444801	0.8084565	0.4656525	3	0.96552943
ENSG00000151208	10	DLG5	79550549	rs10824573	10	79540969	C	T	0.337972	0.00018794	0.00907316	0.983474	0.239467	0.0426484	1.97E-08	0.00078481	0.0378892	0.9834743	0.2823245	5	0.99575581
ENSG00000224596	10	ZMIZ1-AS1	80703085	rs10824709	10	80808527	C	T	0.654076	0.0173416	0.00832037	0.037139	-0.583615	0.0806706	4.67E-13	-0.0297141	0.0148365	0.04520123	0.05820111	5	0.52029162
ENSG00000188199	10	NUTM2B	81462983	rs2983793	10	81445802	G	A	0.405567	0.00361628	0.00817347	0.65817	-0.764105	0.0968843	3.10E-15	-0.0047327	0.0107136	0.6586725	0.6096034	20	0.93322639
ENSG00000225484	10	RP11-773D16.1	81563813	rs61860578	10	81522920	T	C	0.202783	-0.0035938	0.0116506	0.757727	-0.748348	0.10408	6.47E-13	0.00480232	0.0155827	0.7579437	0.1227925	20	0.95888116
ENSG00000228570	10	NUTM2E	81601114	rs9783140	10	81570079	G	C	0.832008	-0.0090097	0.00948155	0.341991	-1.2245	0.111461	4.47E-28	0.00735789	0.00777211	0.34379	0.9885638	20	0.82996866
ENSG00000242600	10	MBL1P	81664654	rs7072068	10	81683837	C	T	0.243539	0.00688594	0.00917932	0.453159	0.681867	0.0839966	4.75E-16	0.0100987	0.0135194	0.4550784	0.8847252	20	0.86824012
ENSG00000133661	10	SFTPD	81697496	rs11201011	10	81739920	A	C	0.59841	0.016047	0.0081768	0.0497038	0.846386	0.0814462	2.70E-25	0.0189594	0.0098316	0.05380319	0.511362	20	0.54679043
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	0.770974	0.10174	3.51E-14	0.00857055	0.016197	0.5967059	0.8329212	13	0.90938536
ENSG00000122359	10	ANXA11	81910645	rs9645553	10	81949685	C	T	0.238569	0.0100429	0.00965817	0.298416	-0.398248	0.0522582	2.52E-14	-0.0252177	0.0244764	0.3028748	0.5937806	20	0.80442017
ENSG00000133665	10	DYDC2	82104501	rs4146515	10	82116602	A	G	0.564612	-0.012394	0.0081735	0.129429	-0.372755	0.0428822	3.54E-18	0.0332497	0.0222584	0.1352265	0.8414713	20	0.6978893
ENSG00000108219	10	TSPAN14	82213922	rs35414786	10	82238403	T	C	0.224652	0.0115909	0.0092634	0.21084	0.353554	0.0641082	3.49E-08	0.032784	0.0268667	0.2223721	0.35603	4	0.75840867
ENSG00000165678	10	GHITM	85899196	rs72839875	10	85844634	C	T	0.0328032	-0.0129252	0.0170227	0.447676	-0.607833	0.105933	9.59E-09	0.0212644	0.0282497	0.4516121	0.8315461	4	0.86824012
ENSG00000148600	10	CDHR1	85954410	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.32647	0.0341776	1.27E-21	-0.0337293	0.0257206	0.1897321	0.3120441	13	0.73499176
ENSG00000204033	10	LRIT2	85980254	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.314218	0.0512062	8.44E-10	-0.0350445	0.0270795	0.1956203	0.2224791	8	0.74217028
ENSG00000148604	10	RGR	86004809	rs2279228	10	86004736	G	A	0.491054	0.00276043	0.0080484	0.731616	0.614562	0.0709949	4.87E-18	0.0044917	0.0131064	0.7318168	0.9916606	9	0.94884724
ENSG00000122375	10	OPN4	88414314	rs11202111	10	88424506	T	C	0.135189	-0.015235	0.010603	0.15076	-0.992956	0.0861129	9.22E-31	0.0153431	0.0107608	0.1539173	0.703723	17	0.71396894
ENSG00000122367	10	LDB3	88428206	rs3740341	10	88426042	A	G	0.134195	-0.0159441	0.0106156	0.133109	-0.528913	0.06819	8.73E-15	0.030145	0.0204434	0.140331	0.5908083	12	0.70248585
ENSG00000173267	10	SNCG	88718375	rs7096355	10	88722990	G	T	0.0666004	-0.0030467	0.0155871	0.845031	-0.523083	0.0904446	7.32E-09	0.00582451	0.0298155	0.8451179	0.8132505	6	0.97214076
ENSG00000122376	10	FAM35A	88853918	rs1923934	10	88850154	A	G	0.289264	-0.0214205	0.00868501	0.013649	0.391141	0.0688825	1.36E-08	-0.0547641	0.0242083	0.02368496	0.1204863	3	0.41828411
ENSG00000184923	10	NUTM2A	88985205	rs2478639	10	89093624	T	G	0.813121	-0.0060517	0.0106655	0.570432	0.854076	0.0993666	8.31E-18	-0.0070857	0.0125149	0.5712712	0.9126136	9	0.89869372
ENSG00000214562	10	NUTM2D	89117425	rs11202413	10	89136101	G	T	0.442346	-0.0022525	0.0083758	0.787983	-0.494606	0.0873193	1.48E-08	0.00455413	0.0169534	0.7882168	0.7810207	8	0.96351947
ENSG00000237740	10	NPAP1P3	89136653	rs143272960	10	89097262	A	G	0.134195	-0.0054406	0.0114631	0.63506	0.613796	0.11205	4.30E-08	-0.0088638	0.0187457	0.6363235	0.1497901	7	0.92409663
ENSG00000026103	10	FAS	90750414	rs12359362	10	90753145	C	G	0.39165	-0.0091895	0.00825499	0.265618	-0.914094	0.071273	1.18E-37	0.0100532	0.00906474	0.2674127	0.8414058	17	0.78131464
ENSG00000261438	10	RP11-399O19.9	90775593	rs12359362	10	90753145	C	G	0.39165	-0.0091895	0.00825499	0.265618	-0.648953	0.0838431	9.94E-15	0.0141606	0.0128514	0.2705172	0.762781	11	0.7846679
ENSG00000152778	10	IFIT5	91174343	rs304413	10	91187743	C	G	0.237575	0.00654291	0.00913527	0.473852	-0.414948	0.066878	5.49E-10	-0.015768	0.0221617	0.4767742	0.7928308	13	0.87540637
ENSG00000232229	10	LINC00865	91589267	rs1326198	10	91597636	G	A	0.168986	-0.0070454	0.0110211	0.522651	1.31404	0.0971375	1.07E-41	-0.0053616	0.00839655	0.5231149	0.9242325	20	0.88172312
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.923186	0.0824456	4.19E-29	-0.0013774	0.00944386	0.8840357	0.7624171	20	0.97910681
ENSG00000138207	10	RBP4	95351444	rs11595594	10	95465086	A	T	0.548708	0.0142145	0.00811965	0.0800092	0.220453	0.0323776	9.84E-12	0.0644786	0.0380296	0.08998345	0.8309597	11	0.63306891
ENSG00000148690	10	FRA10AC1	95427640	rs1998840	10	95460373	G	T	0.132207	-0.0175233	0.0146115	0.230419	0.744366	0.0894895	8.95E-17	-0.0235412	0.0198324	0.2352248	0.8538883	18	0.76664992
ENSG00000138193	10	PLCE1	95753746	rs1223618	10	95777231	C	T	0.483101	-0.0079861	0.00809108	0.323632	-0.288147	0.0503953	1.08E-08	0.0277152	0.028495	0.3307348	0.2336191	3	0.81680644
ENSG00000173145	10	NOC3L	96075004	rs34032820	10	96127876	A	G	0.183897	-0.0013544	0.0108654	0.900798	0.406502	0.0701097	6.71E-09	-0.0033319	0.0267352	0.9008207	0.5496926	12	0.98439248
ENSG00000119977	10	TCTN3	97423158	rs11188437	10	97454889	A	G	0.28827	-0.0083001	0.0087234	0.341361	0.244097	0.0446244	4.50E-08	-0.0340035	0.036274	0.3485506	0.3225702	9	0.83087901
ENSG00000052749	10	RRP12	99116115	rs12266723	10	99149750	A	G	0.336978	-0.0014507	0.00843658	0.863473	0.360035	0.0359229	1.21E-23	-0.0040294	0.0234361	0.863493	0.1629477	20	0.97675342
ENSG00000241935	10	HOGA1	99344080	rs12416267	10	99343921	A	G	0.355865	0.00797722	0.00813751	0.326936	-0.324669	0.0472763	6.53E-12	-0.0245703	0.0253181	0.3318148	0.00727298	4	0.81680644
ENSG00000171160	10	MORN4	99374310	rs45607432	10	99382407	T	C	0.191849	-0.0266613	0.0099327	0.00727043	-0.451699	0.0490864	3.51E-20	0.0590245	0.022906	0.00997172	0.3349316	7	0.31648103
ENSG00000119943	10	PYROXD2	100143322	rs59667296	10	100146313	T	A	0.347913	-0.0082423	0.00818059	0.313673	0.407051	0.0519556	4.70E-15	-0.0202488	0.0202627	0.3176421	0.8064441	19	0.80963732
ENSG00000107521	10	HPS1	100175955	rs61873921	10	100198988	T	G	0.292247	0.00239891	0.00906561	0.791305	-0.449137	0.0707251	2.15E-10	-0.0053412	0.020202	0.7914817	0.3535242	7	0.96351947
ENSG00000233690	10	EBAG9P1	101457164	rs3740077	10	101480550	G	T	0.307157	-0.0271931	0.00847465	0.00133309	0.569828	0.0988631	8.22E-09	-0.0477216	0.0170216	0.00505377	0.4833155	5	0.28154605
ENSG00000227695	10	DNMBP-AS1	101686767	rs11190325	10	101686925	T	C	0.0357853	0.0372151	0.0220419	0.0913377	-0.934307	0.136748	8.36E-12	-0.0398318	0.0243014	0.1011977	0.8505269	9	0.64961631
ENSG00000095485	10	CWF19L1	101992055	rs34027394	10	101983816	A	G	0.427435	-0.0058891	0.00853016	0.489954	0.801112	0.0720772	1.06E-28	-0.0073511	0.0106684	0.4907892	0.02870965	20	0.87805165
ENSG00000196072	10	BLOC1S2	102033713	rs6584357	10	102050344	T	A	0.0576541	0.00385282	0.017285	0.823614	-0.834159	0.0743644	3.36E-29	-0.0046188	0.0207256	0.8236479	0.02777424	15	0.96773132
ENSG00000055950	10	MRPL43	102729215	rs1056295	10	102715183	C	T	0.182903	-0.0138369	0.0105421	0.18934	0.30646	0.0469192	6.50E-11	-0.0451508	0.0350873	0.1981595	0.3240854	8	0.74217028
ENSG00000107833	10	NPM3	103541082	rs11191129	10	103606543	T	C	0.402584	-0.0112612	0.00812383	0.165688	-0.386087	0.0640091	1.62E-09	0.0291675	0.02159	0.176703	0.5600642	4	0.72148239
ENSG00000269609	10	RP11-18I14.10	104209574	rs1133932	10	104215975	G	A	0.0944334	-0.0058032	0.0179323	0.746229	-0.676953	0.110923	1.04E-09	0.00857247	0.0265269	0.7465734	0.9448747	20	0.95384439
ENSG00000138111	10	TMEM180	104221149	rs1056741	10	104236640	C	A	0.306163	-0.0032993	0.00832654	0.691925	0.372713	0.0518466	6.54E-13	-0.0088522	0.0223743	0.6923682	0.9450025	20	0.9413952
ENSG00000138107	10	ACTR1A	104238986	rs5870	10	104239100	C	T	0.569583	0.00863673	0.00807235	0.284658	-0.294003	0.0454216	9.62E-11	-0.0293763	0.0278293	0.2911548	0.6122527	15	0.79910376
ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.623885	0.0569342	6.08E-28	0.00601813	0.0157592	0.7025494	0.2662855	20	0.94421269
ENSG00000214435	10	AS3MT	104629273	rs7085104	10	104628873	G	A	0.349901	-0.0166793	0.00860744	0.0526502	-0.485948	0.0703368	4.89E-12	0.0343232	0.0183962	0.06207237	0.3164305	19	0.56209024
ENSG00000148834	10	GSTO1	105995114	rs17885600	10	106027186	T	A	0.0119284	0.0498329	0.0419884	0.235297	-1.38518	0.188775	2.17E-13	-0.0359758	0.0307065	0.2413579	0.1698143	4	0.76866335
ENSG00000065621	10	GSTO2	106028631	rs276204	10	106035313	G	C	0.368787	-0.0128347	0.00868268	0.139355	-0.441168	0.0498468	8.71E-19	0.0290925	0.0199537	0.1448406	0.0661368	20	0.70919091
ENSG00000228261	10	RP11-127L20.3	106083127	rs505701	10	106073566	C	T	0.33499	-0.018021	0.00878545	0.0402448	-0.962758	0.0752788	1.88E-37	0.0187181	0.00924192	0.04283168	0.3308403	20	0.51895932
ENSG00000150594	10	ADRA2A	112836790	rs10885113	10	112969177	G	A	0.454274	0.00554393	0.00810164	0.493787	0.477012	0.0684381	3.17E-12	0.0116222	0.0170658	0.495857	0.9900939	8	0.87805165
ENSG00000119913	10	TECTB	114043493	rs74848039	10	114049630	T	C	0.0586481	0.0154633	0.0163312	0.343711	1.09219	0.142671	1.93E-14	0.0141581	0.0150667	0.3473737	0.9598715	9	0.83069834
ENSG00000232934	10	RP11-324O2.3	114165977	rs2900946	10	114191550	C	T	0.297217	0.0216002	0.00872005	0.0132465	0.663161	0.0968726	7.61E-12	0.0325716	0.0139836	0.01984449	0.525902	9	0.38776606
ENSG00000023041	10	ZDHHC6	114190058	rs2277205	10	114206683	T	C	0.0934394	-0.0121402	0.0155318	0.434429	-0.625555	0.107075	5.15E-09	0.0194071	0.0250501	0.438498	0.03685402	4	0.86824012
ENSG00000165806	10	CASP7	115438942	rs3121483	10	115406485	T	C	0.624254	-0.0156278	0.00831599	0.0602102	-0.388346	0.0496142	4.98E-15	0.040242	0.0220224	0.06765178	0.3701955	18	0.5772659
ENSG00000151892	10	GFRA1	117816444	rs7080212	10	117933516	C	T	0.398608	0.00765458	0.00833527	0.358443	-0.763651	0.0698152	7.57E-28	-0.0100237	0.0109534	0.3601304	0.220836	18	0.8352928
ENSG00000165650	10	PDZD8	119040000	rs363230	10	119029515	T	C	0.5	0.00710655	0.00806352	0.378144	0.316557	0.0452875	2.75E-12	0.0224495	0.0256742	0.3819014	0.05526985	11	0.84653068
ENSG00000151893	10	CACUL1	120433679	rs34035326	10	120476990	G	A	0.337972	-0.0006701	0.00852394	0.937344	-0.293112	0.0534197	4.09E-08	0.00228601	0.0290838	0.9373502	0.8483525	4	0.99132842
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.910592	0.066035	2.95E-43	0.0121875	0.00899959	0.1756651	0.5151328	20	0.72148239
ENSG00000227165	10	WDR11-AS1	122521324	rs10886785	10	122610391	G	C	0.16004	0.00027794	0.0119756	0.981484	-0.638835	0.0998611	1.58E-10	-0.0004351	0.0187461	0.9814839	0.4365699	7	0.99524087
ENSG00000120008	10	WDR11	122610687	rs12777878	10	122653325	G	C	0.333996	-0.0055252	0.00883082	0.531531	-0.465118	0.0505921	3.80E-20	0.0118791	0.0190301	0.5324791	0.6961759	20	0.88643447
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-1.07515	0.0750296	1.43E-46	-0.0028086	0.00781069	0.7191623	0.2332942	20	0.94753093
ENSG00000138152	10	BTBD16	124030821	rs6585813	10	124087092	C	T	0.50994	-0.0032475	0.00817128	0.691054	0.309055	0.0519398	2.68E-09	-0.0105077	0.0264985	0.6917057	0.6494842	17	0.9413952
ENSG00000107902	10	LHPP	126150403	rs10430738	10	126278704	G	A	0.602386	0.00486559	0.00835898	0.560513	-0.226598	0.0388759	5.58E-09	-0.0214723	0.0370725	0.5624553	0.8432119	20	0.89429298
ENSG00000203791	10	METTL10	126436718	rs12049662	10	126500187	G	A	0.545726	-0.0058447	0.00819698	0.475829	-0.441646	0.046265	1.35E-21	0.0132339	0.0186118	0.4770547	0.7681282	20	0.87540637
ENSG00000188690	10	UROS	127477146	rs4256900	10	127511756	T	C	0.44334	0.0199608	0.00814064	0.0142066	-0.670656	0.0419243	1.34E-57	-0.0297631	0.0122801	0.01536383	0.745519	20	0.3522782
ENSG00000170430	10	MGMT	131265448	rs12266634	10	131412659	C	G	0.349901	0.00717645	0.00819468	0.381168	-0.595712	0.0603609	5.66E-23	-0.0120468	0.0138102	0.3830352	0.6813363	20	0.84661397
ENSG00000188385	10	JAKMIP3	133918175	rs11592585	10	133955427	G	A	0.341948	0.00114395	0.00836815	0.891265	0.636259	0.0622081	1.49E-24	0.00179793	0.0131533	0.8912753	0.346506	20	0.98265732
ENSG00000235010	10	RP11-140A10.3	133994729	rs2814171	10	133980234	C	T	0.802187	-0.0134499	0.0103726	0.194745	-0.892186	0.118604	5.38E-14	0.0150752	0.0117975	0.2013092	0.3757835	15	0.74217028
ENSG00000148814	10	LRRC27	134145614	rs2497643	10	134160040	T	C	0.372763	-0.0033778	0.00865532	0.696344	0.327104	0.0468804	3.01E-12	-0.0103265	0.0265018	0.6967942	0.9239021	12	0.94358751
ENSG00000229081	10	RP11-432J24.6	134334331	rs11591553	10	134323564	A	G	0.468191	-0.0105322	0.00806465	0.191561	-0.514291	0.0668073	1.38E-14	0.0204791	0.0159052	0.1978943	0.00326224	20	0.74217028
ENSG00000240707	10	RP13-137A17.6	134779038	rs10747053	10	134797321	T	A	0.577535	-0.0143335	0.00809142	0.0764874	-0.524562	0.0741474	1.50E-12	0.0273247	0.0159013	0.08572489	0.827019	20	0.62176719
ENSG00000148832	10	PAOX	135192695	rs4838735	10	135196301	A	C	0.719682	-0.0011442	0.0100029	0.908932	0.407743	0.0686825	2.91E-09	-0.0028061	0.0245369	0.9089496	0.1616969	3	0.985717
ENSG00000148824	10	MTG1	135207598	rs7083614	10	135226236	A	G	0.241551	-0.0060199	0.00969331	0.534575	0.884255	0.0824604	7.91E-27	-0.0068079	0.0109805	0.53526	0.4197416	12	0.88745609
ENSG00000214279	10	RP11-108K14.4	135267432	rs2297031	10	135232654	T	C	0.222664	-0.0004777	0.010111	0.962318	-0.397962	0.0717956	2.97E-08	0.00120036	0.0254079	0.9623192	0.5683408	5	0.99428844
ENSG00000171772	10	SYCE1	135367404	rs2987799	10	135380499	G	T	0.771372	0.00462092	0.0100735	0.646434	0.488412	0.0882841	3.16E-08	0.00946111	0.0206958	0.6475621	0.1709069	7	0.92722972
ENSG00000177963	11	RIC8A	207511	rs3830001	11	247200	T	G	0.5666	0.00199548	0.0083249	0.810562	-0.358269	0.0637417	1.90E-08	-0.0055698	0.0232576	0.8107315	0.576232	5	0.96552943
ENSG00000142082	11	SIRT3	215458	rs11246025	11	235760	G	A	0.204771	-0.0012399	0.00992336	0.900565	-0.53248	0.0651797	3.10E-16	0.00232854	0.0186383	0.9005766	0.9893209	15	0.98439248
ENSG00000185627	11	PSMD13	236546	rs3825075	11	217140	C	T	0.704771	-0.0047506	0.00930022	0.609486	-0.583097	0.0549831	2.82E-26	0.0081472	0.0159682	0.6099011	0.6890423	20	0.91289684
ENSG00000142102	11	ATHL1	289135	rs7924483	11	297638	A	T	0.744533	-0.0132033	0.0091022	0.146903	0.576818	0.0584067	5.30E-23	-0.0228899	0.0159493	0.1512406	0.01202089	16	0.71191488
ENSG00000185201	11	IFITM2	307631	rs2091850	11	304951	T	C	0.242545	-0.0070295	0.0095524	0.461796	0.372455	0.0529536	2.01E-12	-0.0188735	0.0257871	0.4642311	0.1670595	9	0.87345602
ENSG00000251661	11	RP11-326C3.11	318640	rs11246065	11	324170	G	A	0.353877	-0.0084383	0.00927664	0.36302	0.59612	0.0690712	6.11E-18	-0.0141553	0.0156479	0.3656699	0.7206117	20	0.8352928
ENSG00000142089	11	IFITM3	319669	rs6421983	11	320394	T	C	0.451292	0.00676262	0.00813634	0.405881	-0.243077	0.0323408	5.64E-14	-0.0278209	0.0336763	0.4087324	0.495006	20	0.85818002
ENSG00000255328	11	RP11-326C3.12	327171	rs11246067	11	326564	T	A	0.417495	0.00697197	0.00808765	0.388659	0.91731	0.0790342	3.82E-31	0.00760045	0.00884099	0.3899636	0.5735077	20	0.8477398
ENSG00000270972	11	RP11-326C3.15	333192	rs6421983	11	320394	T	C	0.451292	0.00676262	0.00813634	0.405881	0.659796	0.0777265	2.09E-17	0.0102496	0.0123906	0.40812	0.6518354	14	0.85809947
ENSG00000182272	11	B4GALNT4	369796	rs61876285	11	381147	A	G	0.0646123	-0.0191962	0.0162901	0.238639	-0.601921	0.0921137	6.38E-11	0.0318916	0.0275001	0.2461747	0.09239054	3	0.76959804
ENSG00000185187	11	SIGIRR	405716	rs35828848	11	403545	T	C	0.217694	-0.007046	0.00975895	0.47029	-0.558194	0.0653051	1.26E-17	0.0126229	0.0175453	0.4718669	0.3061088	8	0.87362581
ENSG00000174775	11	HRAS	532242	rs61877775	11	521462	T	C	0.0805169	0.00337497	0.0144516	0.815346	-0.335764	0.0480623	2.83E-12	-0.0100516	0.043065	0.8154464	0.5596272	19	0.96552943
ENSG00000161328	11	LRRC56	537527	rs1870725	11	539646	T	G	0.319085	0.00257346	0.00896369	0.774037	0.276922	0.0433205	1.63E-10	0.00929309	0.0324016	0.7742584	0.4931726	20	0.96214355
ENSG00000254815	11	RP11-496I9.1	557595	rs12796605	11	630029	A	G	0.239563	0.00920108	0.00993932	0.35459	0.367028	0.067318	4.98E-08	0.0250692	0.0274681	0.3614197	0.08840826	10	0.8352928
ENSG00000070031	11	SCT	626431	rs11246279	11	707297	C	A	0.477137	0.00485958	0.0081177	0.549413	0.519638	0.0902315	8.46E-09	0.00935186	0.015706	0.551555	0.9982453	16	0.89134276
ENSG00000177106	11	EPS8L2	694438	rs7107522	11	703175	G	A	0.171968	-0.0011284	0.0122709	0.92673	0.625082	0.0854018	2.49E-13	-0.0018052	0.0196324	0.9267364	0.9751383	6	0.98793237
ENSG00000177042	11	TMEM80	695428	rs12277188	11	688091	T	C	0.492048	-0.0030327	0.0080503	0.706379	-0.797847	0.0742482	6.21E-27	0.00380114	0.0100962	0.7065517	0.9500547	20	0.94504139
ENSG00000255284	11	AP006621.5	777578	rs7104929	11	784340	G	C	0.445328	0.0004775	0.00809258	0.952948	0.870657	0.0777892	4.44E-29	0.00054844	0.00929493	0.9529491	0.2259524	20	0.99378914
ENSG00000255142	11	AP006621.6	781645	rs61876744	11	820754	C	T	0.576541	0.0067288	0.00844221	0.425427	0.517077	0.0724573	9.59E-13	0.0130131	0.0164283	0.4282923	0.1385939	20	0.86531986
ENSG00000177697	11	CD151	832843	rs28648546	11	833327	G	A	0.7167	-0.0185734	0.010009	0.0635009	0.652013	0.0551132	2.72E-32	-0.0284862	0.0155386	0.06676473	0.1688833	20	0.57435237
ENSG00000183020	11	AP2A2	924894	rs11246380	11	1009890	C	T	0.573559	0.00649565	0.00807522	0.421171	0.26006	0.0401614	9.46E-11	0.0249775	0.03129	0.4247211	0.3001167	5	0.86364609
ENSG00000254872	11	RP13-870H17.3	1049880	rs72842410	11	1010649	T	C	0.121272	-0.0011634	0.0146544	0.936722	0.534721	0.0785454	9.91E-12	-0.0021757	0.0274076	0.9367269	0.05813023	5	0.99132842
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.713394	0.0471107	8.44E-52	0.0139511	0.0116807	0.2323322	0.8160472	20	0.7648479
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-1.05398	0.0896686	6.72E-32	-0.0004833	0.0103538	0.9627715	0.5777422	7	0.99428844
ENSG00000226416	11	MRPL23-AS1	2004467	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.878845	0.12418	1.47E-12	-0.0005796	0.0124172	0.962772	0.7644484	3	0.99428844
ENSG00000110628	11	SLC22A18	2920951	rs438263	11	2925574	A	C	0.426441	-0.0032048	0.00856875	0.708401	-0.411586	0.0683551	1.73E-09	0.00778637	0.020859	0.7089355	0.8854054	5	0.94504139
ENSG00000183562	11	AC131971.1	3011093	rs17687673	11	3073171	C	T	0.0914513	0.0160354	0.0154738	0.300065	0.936714	0.148948	3.20E-10	0.0171188	0.016742	0.3065422	0.9374236	7	0.80584798
ENSG00000005801	11	ZNF195	3360491	rs10766972	11	3398429	G	A	0.792247	0.00673536	0.00988999	0.495854	0.349097	0.0591747	3.65E-09	0.0192937	0.0285183	0.498701	0.2440344	3	0.87805165
ENSG00000167311	11	ART5	3659733	rs7112533	11	3663273	T	C	0.577535	0.00813534	0.00859799	0.344051	0.587235	0.0867805	1.32E-11	0.0138536	0.0147839	0.3487201	0.8516246	15	0.83087901
ENSG00000167325	11	RRM1	4115937	rs12806698	11	4115974	A	C	0.2833	0.00289706	0.00844048	0.731422	0.387666	0.0651548	2.68E-09	0.00747308	0.0218088	0.731851	0.6213298	11	0.94884724
ENSG00000170955	11	PRKCDBP	6340176	rs11544764	11	6341365	T	C	0.106362	0.00573091	0.0141326	0.685103	0.630137	0.0941262	2.16E-11	0.0090947	0.0224689	0.685648	0.8969738	6	0.93978336
ENSG00000166341	11	DCHS1	6642556	rs12294943	11	6679132	C	T	0.16004	-0.0178262	0.0102329	0.0814986	0.405109	0.0629489	1.23E-10	-0.0440035	0.0261687	0.09265999	0.9950145	3	0.6376958
ENSG00000175390	11	EIF3F	7991798	rs4559682	11	8015651	C	T	0.276342	0.00969353	0.00887181	0.27456	0.348076	0.0462984	5.56E-14	0.0278489	0.0257559	0.2795805	0.6389611	7	0.79306676
ENSG00000166436	11	TRIM66	8633584	rs7940366	11	8725626	C	G	0.383698	-0.0043973	0.00816106	0.590018	0.330688	0.0468539	1.69E-12	-0.0132973	0.0247508	0.5910964	0.21721	20	0.90646236
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	1.07599	0.0970558	1.46E-28	0.0107742	0.00968115	0.2657505	0.2343288	20	0.78131464
ENSG00000175356	11	SCUBE2	9041071	rs4910440	11	9114999	T	C	0.469185	0.00615594	0.00825245	0.455696	-0.381643	0.0675279	1.59E-08	-0.0161301	0.021811	0.4595797	0.4958901	4	0.87171059
ENSG00000166478	11	ZNF143	9481866	rs3763874	11	9546587	A	G	0.435388	-0.0246492	0.00872361	0.00471954	-0.357115	0.0563175	2.28E-10	0.0690231	0.0267434	0.00985326	0.5555764	8	0.31648103
ENSG00000133805	11	AMPD3	10329860	rs11042812	11	10474010	A	G	0.455268	-0.0085052	0.00813845	0.295996	0.448959	0.0484342	1.87E-20	-0.0189442	0.0182422	0.2990473	0.5809591	20	0.80291535
ENSG00000177112	11	MRVI1-AS1	10562819	rs1462941	11	10563090	T	G	0.0954274	-0.0038471	0.0149741	0.797244	-1.41647	0.127646	1.30E-28	0.00271597	0.0105743	0.7972965	0.3245237	15	0.96383365
ENSG00000072952	11	MRVI1	10594638	rs28725289	11	10737302	G	C	0.299205	0.0309558	0.00899909	0.00058197	-0.239333	0.0396506	1.58E-09	-0.129342	0.043278	0.00280229	0.7015575	3	0.2524555
ENSG00000247271	11	ZBED5-AS1	10879806	rs1554519	11	10904067	A	G	0.55666	0.00884571	0.008151	0.27782	-0.391512	0.057451	9.45E-12	-0.0225937	0.0210816	0.2838433	0.8681008	10	0.79552497
ENSG00000260196	11	RP1-239B22.5	17402196	rs118096785	11	17398047	G	C	0.0526839	-0.0020379	0.0205617	0.921048	0.612588	0.0949772	1.12E-10	-0.0033268	0.0335693	0.9210575	0.1185726	4	0.98751622
ENSG00000187486	11	KCNJ11	17407406	rs1799858	11	17449929	T	C	0.151093	-0.0054145	0.0101684	0.594395	0.479898	0.0611327	4.16E-15	-0.0112825	0.0212374	0.5952398	0.6392355	6	0.90842152
ENSG00000006071	11	ABCC8	17414432	rs985136	11	17497794	G	C	0.486083	0.00201342	0.00865299	0.816006	0.4629	0.0574579	7.86E-16	0.00434958	0.0187008	0.8160814	0.5261201	4	0.96552943
ENSG00000166788	11	SAAL1	18091482	rs10832882	11	18117821	G	A	0.260437	0.00617319	0.008909	0.488362	-0.743825	0.0957153	7.77E-15	-0.0082993	0.0120248	0.4900822	0.9871549	18	0.87805165
ENSG00000110768	11	GTF2H1	18343842	rs2061163	11	18322924	C	A	0.71173	-0.0064539	0.00889484	0.468097	0.460727	0.0487409	3.31E-21	-0.0140081	0.0193629	0.4694029	0.3363888	17	0.87345602
ENSG00000166796	11	LDHC	18433854	rs11605386	11	18433720	G	C	0.115308	0.0315272	0.0136316	0.0207339	1.62293	0.122725	6.36E-40	0.0194261	0.00852687	0.02271331	0.7327146	20	0.41026745
ENSG00000179057	11	IGSF22	18725852	rs748945	11	18748239	G	C	0.39165	0.008367	0.00910319	0.358028	-0.333502	0.0564439	3.45E-09	-0.0250883	0.027624	0.3637697	0.4881555	5	0.8352928
ENSG00000109854	11	HTATIP2	20385231	rs11025525	11	20379963	G	C	0.536779	0.00149949	0.0080743	0.852671	0.552405	0.056702	1.99E-22	0.00271448	0.0146193	0.8526975	0.1037832	17	0.97429854
ENSG00000171714	11	ANO5	22214722	rs4922986	11	22238744	G	T	0.790258	0.0129168	0.0100126	0.197034	-0.436113	0.0641107	1.03E-11	-0.029618	0.0233679	0.2049895	0.6017629	20	0.74217028
ENSG00000148942	11	SLC5A12	26688566	rs61877306	11	26695973	C	G	0.0357853	-0.0091051	0.0175671	0.604245	0.808089	0.0824767	1.15E-22	-0.0112674	0.0217695	0.6047515	0.1364185	20	0.91214701
ENSG00000254532	11	RP11-624D11.2	30065605	rs1222210	11	30362125	T	C	0.22167	0.0129744	0.0104641	0.215013	0.984075	0.114091	6.39E-18	0.0131844	0.0107427	0.2197171	0.4221515	6	0.75807011
ENSG00000152219	11	ARL14EP	30344598	rs4244552	11	30282274	T	C	0.329026	-0.0043964	0.00854547	0.606919	-0.260182	0.0393818	3.93E-11	0.0168976	0.0329436	0.608005	0.2660173	12	0.91214701
ENSG00000242353	11	RP4-710M3.1	30389695	rs7941828	11	30430331	T	C	0.353877	0.00609108	0.00872354	0.48503	-0.6218	0.0802029	8.99E-15	-0.0097959	0.0140863	0.486792	0.6577627	10	0.8777292
ENSG00000066382	11	MPPED2	30406040	rs111959436	11	30606936	A	G	0.119284	-0.0104445	0.0127667	0.413295	-0.268012	0.0454509	3.71E-09	0.0389703	0.0480911	0.417743	0.9838032	6	0.86117441
ENSG00000176148	11	TCP11L1	33060963	rs10430948	11	33077466	C	T	0.589463	-0.0059011	0.00811544	0.467139	0.279578	0.0495131	1.64E-08	-0.0211071	0.0292672	0.4707952	0.1076761	9	0.87345602
ENSG00000121691	11	CAT	34460472	rs2420388	11	34490537	A	G	0.215706	0.00336709	0.00997949	0.735816	-0.378579	0.0563091	1.78E-11	-0.008894	0.0263936	0.7361343	0.9869952	17	0.94965392
ENSG00000149089	11	APIP	34874641	rs17363135	11	34966755	T	C	0.322068	0.00361321	0.00929819	0.697577	0.924189	0.0605734	1.47E-52	0.0039096	0.0100642	0.6976706	0.1993961	20	0.94407029
ENSG00000149084	11	HSD17B12	43577986	rs11555762	11	43876698	T	C	0.321074	0.00497692	0.00871657	0.568018	-0.735925	0.0532298	1.79E-43	-0.0067628	0.0118545	0.5683481	0.1645868	20	0.8961385
ENSG00000166199	11	ALKBH3	43902361	rs3817364	11	43905060	G	A	0.22664	-0.0340055	0.00905438	0.00017286	0.435064	0.0662903	5.27E-11	-0.0781621	0.0239783	0.0011153	0.6209142	9	0.18229546
ENSG00000110455	11	ACCS	44087475	rs2074038	11	44087989	T	G	0.120278	-0.0112831	0.0145612	0.438414	0.919	0.117142	4.32E-15	-0.0122776	0.0159217	0.4406346	0.2836071	18	0.86824012
ENSG00000085117	11	CD82	44585977	rs919445	11	44632954	C	T	0.147117	0.0281816	0.0110103	0.01048	0.488278	0.0714788	8.43E-12	0.0577163	0.0240802	0.01653722	0.1491953	4	0.3522782
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	1.02602	0.112277	6.35E-20	-0.0074811	0.0106164	0.4810152	0.2006474	17	0.87638737
ENSG00000205106	11	CTD-2210P24.4	45792983	rs11038665	11	45830198	G	A	0.744533	-0.0122416	0.0088845	0.168246	-0.388277	0.0604948	1.38E-10	0.031528	0.0234032	0.1779263	0.1032623	7	0.72148239
ENSG00000109919	11	MTCH2	47638867	rs66749409	11	47568074	T	C	0.356859	-0.0247064	0.0084237	0.00335745	0.350268	0.0477908	2.32E-13	-0.0705357	0.0259035	0.00646876	0.00483272	20	0.28385138
ENSG00000086205	11	FOLH1	49168187	rs35580985	11	49245226	G	A	0.218688	0.00841329	0.00895402	0.347417	0.27663	0.0440914	3.52E-10	0.0304135	0.0327292	0.352761	0.9357633	20	0.83394496
ENSG00000205035	11	RP11-707M1.1	49580098	rs7480553	11	49796110	T	C	0.592445	0.0096344	0.00818066	0.238914	0.489456	0.0504877	3.18E-22	0.0196839	0.0168367	0.2423595	0.1942705	11	0.76866335
ENSG00000255190	11	TRIM51DP	49896497	rs10219226	11	49791584	G	A	0.530815	0.00584949	0.00805623	0.467788	0.874511	0.0799388	7.44E-28	0.00668887	0.00923254	0.4687657	0.1621249	10	0.87345602
ENSG00000134809	11	TIMM10	57295936	rs2649652	11	57324428	G	A	0.787276	0.00131403	0.0101756	0.89725	-0.428171	0.0497872	7.97E-18	-0.0030689	0.0237679	0.897262	0.2972462	20	0.9841919
ENSG00000214872	11	SMTNL1	57308979	rs2649653	11	57322940	G	C	0.444334	-0.0007618	0.00807993	0.924886	0.690257	0.0760147	1.08E-19	-0.0011036	0.0117063	0.92489	0.1114341	20	0.98793237
ENSG00000166928	11	MS4A14	60146003	rs7126883	11	60113543	G	C	0.256461	0.0126922	0.00875344	0.147067	-0.473747	0.0624347	3.25E-14	-0.0267911	0.0188114	0.1543893	0.1380893	17	0.71396894
ENSG00000187049	11	TMEM216	61159159	rs3809083	11	61185204	C	G	0.854871	0.0344211	0.0125742	0.00619184	-0.457054	0.0638552	8.21E-13	-0.0753108	0.0294548	0.01056315	0.4332493	16	0.3241739
ENSG00000149532	11	CPSF7	61170121	rs80264062	11	61183554	G	C	0.05666	0.0131345	0.0267234	0.623075	-0.625403	0.0977705	1.59E-10	-0.0210017	0.0428558	0.624096	0.1305433	4	0.91838156

ENSG00000162174	11	ASRGL1	62104920	rs11231061	11	62143941	C	T	0.117296	-0.0003413	0.015252	0.98215	0.278191	0.0506276	3.91E-08	-0.0012267	0.0548261	0.9821496	0.737726	5	0.99524087
ENSG00000162194	11	C11orf48	62430287	rs693698	11	62438819	T	G	0.729622	0.0123416	0.00962183	0.199609	-0.509267	0.0874683	5.80E-09	-0.024234	0.0193465	0.2103405	0.4524713	4	0.74658316
ENSG00000149743	11	TRPT1	63991271	rs2622422	11	63928059	C	G	0.0616302	8.20E-05	0.0182227	0.99641	-0.65697	0.094102	2.92E-12	-0.0001248	0.0277375	0.99641	0.7433395	12	0.9988219
ENSG00000257086	11	RP11-783K16.13	64014411	rs7478730	11	64018827	T	C	0.177932	0.012168	0.0105678	0.249557	0.769224	0.103428	1.03E-13	0.0158185	0.0139019	0.2551762	0.4336939	20	0.77238055
ENSG00000219435	11	TEX40	64067863	rs66968227	11	64070930	C	T	0.16004	0.0140313	0.0110267	0.203203	-0.723024	0.0925325	5.55E-15	-0.0194064	0.0154517	0.2091382	0.4176366	12	0.74658316
ENSG00000168071	11	CCDC88B	64107695	rs647152	11	64109118	G	T	0.370775	-0.0137538	0.0081939	0.0932417	-0.353195	0.0442797	1.51E-15	0.0389411	0.0237075	0.1004728	0.8526673	14	0.64834522
ENSG00000110025	11	SNX15	64794880	rs678614	11	64799894	C	A	0.705765	0.0181046	0.00864378	0.0362135	0.366763	0.0625179	4.45E-09	0.0493632	0.0250248	0.0485444	0.1196211	5	0.52721476
ENSG00000255200	11	AP003068.18	64941588	rs17881590	11	64966168	T	C	0.299205	-0.0118209	0.008865	0.182387	-0.732285	0.0843774	4.00E-18	0.0161425	0.012248	0.187514	0.0434588	13	0.73459898
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-1.17312	0.0903927	1.63E-38	0.0106467	0.00759293	0.160858	0.01356459	20	0.71666927
ENSG00000245532	11	NEAT1	65190245	rs2904975	11	65173754	T	C	0.753479	-0.002129	0.0109258	0.845502	-0.405994	0.0538257	4.60E-14	0.00524397	0.0269202	0.8455521	0.02640074	9	0.97214076
ENSG00000172803	11	SNX32	65601112	rs17854357	11	65601560	C	G	0.161034	0.0109134	0.012092	0.366773	0.413109	0.0594779	3.77E-12	0.0264177	0.0295168	0.3707839	0.5053463	13	0.83646794
ENSG00000087365	11	SF3B2	65818200	rs35611816	11	65804605	C	T	0.274354	0.00055879	0.00865851	0.948543	-0.36736	0.0543301	1.36E-11	-0.0015211	0.0235706	0.9485451	0.6984516	4	0.99289521
ENSG00000255320	11	RP11-755F10.1	66012311	rs2155198	11	66014300	T	C	0.173956	-0.0295182	0.0105816	0.00527764	1.26286	0.111427	8.95E-30	-0.0233741	0.00862916	0.00675406	0.09700915	20	0.28385138
ENSG00000174165	11	ZDHHC24	66288108	rs3179961	11	66244454	G	A	0.243539	0.00133596	0.00831735	0.87239	-0.572179	0.072432	2.80E-15	-0.0023349	0.0145393	0.8724163	0.2740713	15	0.97700295
ENSG00000174080	11	CTSF	66330934	rs11227527	11	66313026	G	A	0.241551	0.00046695	0.00833122	0.955303	0.489372	0.0610273	1.07E-15	0.00095419	0.0170247	0.9553042	0.2189195	11	0.99428844
ENSG00000173715	11	C11orf80	66511922	rs35287213	11	66569509	T	G	0.111332	0.0100335	0.0223793	0.653909	-0.532343	0.0795784	2.24E-11	-0.0188478	0.0421336	0.6546333	0.2778625	4	0.93043316
ENSG00000173156	11	RHOD	66824289	rs114895445	11	66824261	T	C	0.0745527	0.0203874	0.0152377	0.18091	-0.790918	0.103523	2.17E-14	-0.0257769	0.019559	0.1875367	0.2342323	7	0.73459898
ENSG00000172613	11	RAD9A	67159176	rs61734601	11	67184725	A	G	0.0685885	0.0241226	0.0181297	0.183334	0.773023	0.114284	1.34E-11	0.0312055	0.0239024	0.1917097	0.04644897	7	0.73729295
ENSG00000084207	11	GSTP1	67351066	rs11227837	11	67336424	T	A	0.492048	-0.0160142	0.00806423	0.0470522	0.193293	0.0270955	9.77E-13	-0.0828494	0.0433065	0.05573639	0.02081372	15	0.54880198
ENSG00000167792	11	NDUFV1	67374323	rs1871043	11	67374581	C	T	0.38171	0.0139103	0.00828032	0.0929715	0.213758	0.0361166	3.25E-09	0.065075	0.0402671	0.1060762	0.07096532	5	0.65763337
ENSG00000160172	11	FAM86C2P	67559119	rs11227976	11	67581884	A	G	0.600398	0.00394776	0.00835124	0.636416	-0.460685	0.0675769	9.28E-12	-0.0085693	0.0181714	0.6372244	0.1018253	9	0.92417328
ENSG00000110717	11	NDUFS8	67798084	rs999571	11	67799266	A	G	0.115308	-0.0133614	0.0202067	0.508461	-0.348708	0.0477894	2.95E-13	0.0383169	0.0581848	0.5101927	0.450911	13	0.8783337
ENSG00000132749	11	MTL5	68474908	rs4628676	11	68482230	G	A	0.663022	-0.0235187	0.0109048	0.0310277	0.24052	0.0400305	1.87E-09	-0.0977827	0.0481708	0.04236501	0.00292282	8	0.5186937
ENSG00000250508	11	RP11-757G1.6	68638132	rs11228384	11	68628369	C	T	0.579523	-0.0001029	0.00831693	0.990125	-0.485431	0.0750063	9.68E-11	0.00021206	0.0171331	0.9901248	0.7978291	5	0.9970457
ENSG00000197345	11	MRPL21	68658744	rs636049	11	68667198	C	A	0.300199	-0.0081456	0.0083271	0.327976	-0.778677	0.0546651	4.85E-46	0.0104608	0.0107191	0.3291138	0.4672878	20	0.81680644
ENSG00000132740	11	IGHMBP2	68671310	rs648336	11	68616449	T	C	0.337972	-0.0096855	0.00811716	0.232787	0.609854	0.0643198	2.50E-21	-0.0158816	0.013415	0.2364639	0.862299	20	0.76839015
ENSG00000254682	11	RP11-660L16.2	71159720	rs732934	11	71186476	A	G	0.700795	0.00719952	0.00824953	0.382817	0.964104	0.0678476	7.96E-46	0.00746758	0.0085728	0.3837118	0.2826341	19	0.84682194
ENSG00000172890	11	NADSYN1	71164155	rs4944062	11	71187294	T	G	0.700795	0.00718495	0.00824941	0.383774	0.299932	0.0497762	1.68E-09	0.0239553	0.0277901	0.3886837	0.7391978	5	0.84743529
ENSG00000244411	11	KRTAP5-7	71238313	rs10898228	11	71228358	T	A	0.189861	-0.0060535	0.00908243	0.505086	-0.628326	0.0868351	4.63E-13	0.00963436	0.0145162	0.5068829	0.2756921	16	0.8783337
ENSG00000254997	11	KRTAP5-9	71259466	rs12798817	11	71268855	C	T	0.444334	0.00299501	0.00806612	0.710408	-0.53991	0.0776803	3.64E-12	-0.0055472	0.0149611	0.7108024	0.9753516	8	0.94571146
ENSG00000204572	11	KRTAP5-10	71276609	rs11234027	11	71234107	A	G	0.191849	-0.0062493	0.00907094	0.490865	0.907644	0.100766	2.11E-19	-0.0068852	0.0100231	0.4921282	0.2247988	16	0.87805165
ENSG00000204571	11	KRTAP5-11	71292901	rs12362969	11	71370113	G	A	0.806163	0.00752294	0.0102914	0.464785	-0.623571	0.0933124	2.35E-11	-0.0120643	0.0166024	0.4674353	0.5324212	20	0.87345602
ENSG00000255562	11	UNC93B6	71314306	rs10898390	11	71335695	T	A	0.671968	0.00034401	0.00839953	0.967331	-0.578956	0.0986915	4.46E-09	-0.0005942	0.0145084	0.9673315	0.515358	9	0.99428844
ENSG00000227467	11	RP11-169D4.1	72281704	rs61522071	11	72283586	T	G	0.382704	0.00657489	0.00873393	0.451571	0.453169	0.0606656	8.02E-14	0.0145087	0.0193706	0.4538544	0.7017705	7	0.86824012
ENSG00000214530	11	STARD10	72465774	rs519790	11	72504141	G	C	0.281312	-0.00665	0.00914589	0.467165	0.533833	0.0502141	2.13E-26	-0.012457	0.0171725	0.4682031	0.3421084	20	0.87345602
ENSG00000175575	11	PAAF1	73587744	rs7942963	11	73615599	A	G	0.0815109	-0.010621	0.0179452	0.553948	-0.815748	0.0729696	5.15E-29	0.01302	0.0220293	0.5545005	0.4032596	10	0.89377419
ENSG00000175567	11	UCP2	73685712	rs7926165	11	73709733	G	A	0.517893	0.0130357	0.00817217	0.110682	0.497128	0.0663812	6.94E-14	0.026222	0.0168075	0.1187278	0.449365	20	0.66978378
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.30793	0.0754718	2.79E-67	0.00072211	0.00654681	0.9121713	0.5398267	20	0.985717
ENSG00000241170	11	RP11-147I3.1	74587331	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	-0.738262	0.0708044	1.87E-25	-0.0012793	0.011599	0.9121745	0.2641962	20	0.985717
ENSG00000085741	11	WNT11	75897369	rs749311	11	75915319	A	C	0.323062	0.00416159	0.00910074	0.647469	-0.551442	0.0908524	1.28E-09	-0.0075467	0.0165503	0.6483985	0.3528771	13	0.92722972
ENSG00000255362	11	RP11-619A14.3	75922000	rs1357123	11	75920684	T	A	0.461233	0.00275318	0.00814531	0.735357	-0.483357	0.0813928	2.88E-09	-0.005696	0.0168788	0.7357688	0.5697156	16	0.94957081
ENSG00000255135	11	RP11-111M22.3	76152382	rs113130900	11	76152515	T	C	0.0457256	0.0113897	0.0176949	0.519788	-1.1615	0.137858	3.60E-17	-0.009806	0.0152789	0.5210023	0.7659774	9	0.88027463
ENSG00000254459	11	RP11-91P24.7	77540700	rs6592738	11	77323126	A	G	0.246521	-0.0094822	0.00991788	0.339035	0.570135	0.103166	3.27E-08	-0.0166315	0.0176541	0.3461521	0.8522147	9	0.82996866
ENSG00000159063	11	ALG8	77811982	rs632764	11	77821388	T	C	0.168986	0.00106044	0.0123191	0.931402	-0.705802	0.0933827	4.09E-14	-0.0015025	0.0174552	0.9314065	0.1050599	20	0.99049052
ENSG00000246174	11	KCTD21-AS1	77850817	rs7101694	11	77853896	T	C	0.464215	0.0142124	0.00807694	0.0784711	-0.572621	0.0733053	5.65E-15	-0.0248199	0.0144587	0.08604999	0.2138493	17	0.62176719
ENSG00000188997	11	KCTD21	77882295	rs1144764	11	77870486	T	C	0.527833	-0.0156075	0.00807145	0.0531545	-0.53707	0.0526498	1.97E-24	0.0290605	0.0152963	0.05745475	0.09488426	20	0.55393262
ENSG00000118369	11	USP35	77899858	rs1263738	11	77857694	G	A	0.529821	-0.0152122	0.00807147	0.0594717	-0.48144	0.0662227	3.59E-13	0.0315973	0.0173195	0.06809467	0.2790945	12	0.57759076
ENSG00000245832	11	RP11-179A16.1	81590893	rs17144191	11	82430661	T	C	0.176938	0.00611206	0.0100781	0.544203	0.511332	0.0835693	9.44E-10	0.0119532	0.0198061	0.546168	0.6599447	5	0.88843971
ENSG00000137500	11	CCDC90B	82970139	rs8789	11	82973004	T	C	0.405567	-0.0021637	0.00822749	0.792562	-0.248829	0.0426712	5.50E-09	0.00869557	0.0330984	0.7927676	0.4390204	4	0.96351947
ENSG00000182919	11	C11orf54	93474757	rs602242	11	93490219	C	G	0.634195	0.00393727	0.00845055	0.641273	-0.614302	0.0514885	8.17E-33	-0.0064093	0.0137668	0.6415277	0.2363653	20	0.92525205
ENSG00000042429	11	MED17	93517393	rs613610	11	93520726	C	T	0.254473	-0.0068558	0.00988839	0.488111	0.613125	0.0936614	5.90E-11	-0.0111817	0.0162181	0.4905339	0.4225967	17	0.87805165
ENSG00000020922	11	MRE11A	94152895	rs1257769	11	94153925	A	G	0.349901	-0.010866	0.00836324	0.193855	0.502261	0.0488879	9.26E-25	-0.0216342	0.0167838	0.1974014	0.6454236	20	0.74217028
ENSG00000150316	11	CWC15	94695787	rs13377454	11	94724428	C	A	0.659046	0.0275331	0.00850697	0.0012099	-0.307135	0.0557144	3.53E-08	-0.0896449	0.0321187	0.00525369	0.181222	7	0.28154605
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	0.9168	0.0681216	2.75E-41	0.0120051	0.0133003	0.3667288	0.8066117	20	0.8352928
ENSG00000261098	11	RP11-819C21.1	107182858	rs10890687	11	107139369	T	C	0.315109	0.00946986	0.00916088	0.301263	0.346514	0.0544329	1.94E-10	0.0273289	0.0267836	0.3075565	0.6093551	13	0.80584798
ENSG00000110660	11	SLC35F2	107661717	rs11603925	11	107729205	G	C	0.44831	0.0135617	0.00806223	0.0925444	0.716978	0.0658933	1.42E-27	0.0189151	0.0113783	0.09643663	0.2840786	18	0.64834522
ENSG00000075239	11	ACAT1	107992243	rs3741056	11	107992346	C	G	0.341948	-0.0010774	0.00870768	0.901533	0.328104	0.0554186	3.21E-09	-0.0032836	0.0265452	0.9015542	0.2534118	5	0.98439248
ENSG00000254890	11	RP11-10A7.1	109357694	rs2212430	11	109289538	T	C	0.32008	-0.0072184	0.00822368	0.380077	0.540863	0.09385	8.26E-09	-0.013346	0.0153801	0.3855327	0.5912457	14	0.84682194
ENSG00000204381	11	LAYN	111411005	rs4938792	11	111420936	C	T	0.409543	-0.0091572	0.00868439	0.291681	-0.264611	0.0382641	4.67E-12	0.0346062	0.0331988	0.2972288	0.7559229	8	0.80291535
ENSG00000137713	11	PPP2R1B	111597632	rs10891291	11	111627502	A	G	0.338966	0.0104893	0.00820527	0.201124	-0.598818	0.0647122	2.17E-20	-0.0175167	0.0138326	0.2053933	0.5652199	20	0.74217028
ENSG00000197580	11	BCO2	112046190	rs11214138	11	112084061	C	T	0.262425	-0.0020484	0.00914525	0.822767	-0.487613	0.060999	1.31E-15	0.00420091	0.0187625	0.8228356	0.809581	14	0.96757179
ENSG00000149292	11	TTC12	113185251	rs7939992	11	113229665	C	T	0.484095	-0.0172457	0.00810387	0.0333296	-0.726267	0.074479	1.82E-22	0.0237457	0.0114209	0.0376039	0.3490148	20	0.49915936
ENSG00000270179	11	RP11-159N11.4	113239200	rs2155464	11	113242448	C	T	0.685885	-0.0018082	0.00867044	0.834798	-0.496804	0.0850869	5.26E-09	0.00363975	0.0174636	0.8349015	0.03409591	15	0.96886511
ENSG00000166682	11	TMPRSS5	113558272	rs7114297	11	113591402	A	G	0.302187	0.00285356	0.00860488	0.740176	0.711308	0.0638947	8.72E-29	0.00401171	0.0121026	0.7402864	0.1995645	20	0.95056973
ENSG00000254851	11	RP11-109L13.1	117006244	rs3736120	11	117032125	T	G	0.737575	0.00682212	0.00884775	0.440674	-0.881176	0.10064	2.03E-18	-0.0077421	0.0100797	0.442437	0.8281685	20	0.86824012
ENSG00000118181	11	RPS25	118886422	rs73559126	11	118880727	A	T	0.0954274	0.00621026	0.0120197	0.605383	-0.445835	0.063299	1.88E-12	-0.0139295	0.0270324	0.6063512	0.102365	7	0.91214701
ENSG00000196655	11	TRAPPC4	118889142	rs11006	11	118895202	G	A	0.229622	-0.0032697	0.0095136	0.731078	0.732408	0.0665161	3.38E-28	-0.0044644	0.0129958	0.7312044	0.03854865	19	0.94884724
ENSG00000271751	11	RP11-110I1.14	118935974	rs1168570	11	118947154	C	T	0.359841	-0.0067355	0.00884334	0.44627	-0.684701	0.101305	1.39E-11	0.00983715	0.0129974	0.4491354	0.1673676	8	0.86824012
ENSG00000160695	11	VPS11	118938403	rs1799991	11	118957091	A	G	0.361829	-0.0078428	0.00879732	0.372664	-0.652753	0.0604818	3.73E-27	0.0120149	0.0135232	0.3742883	0.2009551	9	0.83748989
ENSG00000184232	11	OAF	120081475	rs12808972	11	120057972	A	G	0.291252	-0.0106913	0.00902098	0.235954	-0.302266	0.0474204	1.84E-10	0.0353705	0.030356	0.2439421	0.378648	17	0.76866335
ENSG00000255219	11	RP11-716H6.2	122165898	rs12420569	11	122178268	G	A	0.360835	0.0270888	0.00808763	0.00080984	-0.657364	0.106587	6.94E-10	-0.0412082	0.0140004	0.00324666	0.6215667	8	0.2603942
ENSG00000166261	11	ZNF202	123594885	rs11219264	11	123610755	C	A	0.574553	-0.008534	0.00805531	0.289405	-0.397715	0.0584995	1.06E-11	0.0214577	0.0204984	0.2951938	0.6265667	7	0.80291535
ENSG00000245498	11	RP11-677M14.7	124670346	rs490461	11	124680922	A	G	0.366799	-0.0048443	0.00879282	0.581678	0.565021	0.06585	9.45E-18	-0.0085736	0.015594	0.5824548	0.3309461	10	0.90153634
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.857407	0.0829416	4.77E-25	-0.0054769	0.0102414	0.592805	0.3174128	10	0.90646236
ENSG00000109832	11	DDX25	125773271	rs78086532	11	125776367	T	C	0.257455	0.00343123	0.00952298	0.718615	0.33321	0.0443991	6.15E-14	0.0102975	0.0286124	0.7189249	0.7880609	12	0.94753093
ENSG00000064309	11	CDON	125825691	rs7124748	11	125846293	C	T	0.380716	0.0103081	0.0082365	0.210747	0.490765	0.0746925	5.02E-11	0.0210041	0.0170847	0.2189177	0.214995	6	0.75807011
ENSG00000110074	11	FOXRED1	126138950	rs682991	11	126167696	C	T	0.776342	0.0200021	0.0097409	0.0400322	0.606	0.0662334	5.72E-20	0.0330068	0.0164739	0.04511561	0.7404309	20	0.52029162
ENSG00000170322	11	NFRKB	129733531	rs2323774	11	129724986	T	C	0.536779	0.00202264	0.00811231	0.803106	-0.297239	0.047228	3.10E-10	-0.0068048	0.0273136	0.8032569	0.5459537	16	0.96471558
ENSG00000175773	11	RP11-121M22.1	130184888	rs747250	11	130271678	G	T	0.494036	-0.0003448	0.00805269	0.965844	0.715435	0.0891933	1.05E-15	-0.000482	0.0112558	0.9658447	0.09642681	9	0.99428844
ENSG00000134917	11	ADAMTS8	130274820	rs3794143	11	130763772	T	C	0.615308	0.00240741	0.00865531	0.780903	-0.326624	0.0583035	2.12E-08	-0.0073706	0.0265319	0.7811656	0.1514479	8	0.96335446
ENSG00000255455	11	RP11-890B15.3	130736149	rs7110591	11	130771662	T	G	0.643141	0.00151119	0.00872482	0.86249	-0.540686	0.0596643	1.28E-19	-0.002795	0.0161395	0.8625145	0.3076748	18	0.97675342
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.642143	0.0530378	9.66E-34	0.00369888	0.0126018	0.7691256	0.3597671	20	0.96074603
ENSG00000204241	11	RP11-713P17.3	133902167	rs1144232	11	133909657	A	T	0.164016	-0.0098002	0.0105208	0.351593	0.627925	0.0837347	6.43E-14	-0.0156073	0.0168836	0.3552767	0.6978022	5	0.83410235
ENSG00000251226	11	RP11-469N6.1	134605490	rs1944887	11	134626123	G	A	0.581511	0.00640095	0.00872648	0.463248	-0.749762	0.0987881	3.21E-14	-0.0085373	0.0116932	0.4653248	0.2159374	19	0.87345602
ENSG00000120647	12	CCDC77	498439	rs495973	12	370914	G	A	0.232604	-0.0130926	0.0087506	0.134603	-0.61178	0.0791525	1.08E-14	0.0214008	0.014569	0.141853	0.2333502	20	0.70248585
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.812087	0.102315	2.07E-15	-0.0194846	0.0132521	0.1414796	0.9974149	20	0.70248585
ENSG00000002016	12	RAD52	1021243	rs12822733	12	1056030	G	C	0.187873	-0.007274	0.00957357	0.447372	-0.362536	0.0587323	6.71E-10	0.0200643	0.0266065	0.4507821	0.2796025	14	0.86824012
ENSG00000250132	12	RP11-359B12.2	1083299	rs16932084	12	1080854	T	C	0.341948	0.00330311	0.00888883	0.710189	-0.450459	0.0714136	2.83E-10	-0.0073328	0.019767	0.7106679	0.6897609	4	0.94571146
ENSG00000151062	12	CACNA2D4	1901123	rs2286378	12	1909979	A	G	0.809145	-0.000838	0.0122422	0.945424	-0.730106	0.0866601	3.61E-17	0.00114783	0.0167683	0.9454256	0.00720254	16	0.99289521
ENSG00000235049	12	LINC00940	2038368	rs9669556	12	2045640	G	A	0.0934394	-0.0056733	0.0189074	0.764131	0.95475	0.0951729	1.11E-23	-0.0059422	0.0198124	0.7642343	0.6560134	4	0.95964323
ENSG00000053702	12	NRIP2	2934514	rs11611125	12	2945386	C	G	0.170974	-0.0003286	0.010219	0.974345	-0.502299	0.0567409	8.56E-19	0.00065426	0.0203446	0.9743453	0.6487015	9	0.99453968
ENSG00000078246	12	TULP3	2986389	rs12824255	12	3012677	G	A	0.417495	0.00056337	0.00825671	0.945602	-0.553401	0.0507069	9.91E-28	-0.001018	0.0149202	0.9456026	0.8923155	19	0.99289521
ENSG00000011105	12	TSPAN9	3186521	rs7979334	12	3316270	T	C	0.272366	0.00255741	0.00997983	0.797752	0.410079	0.0674318	1.19E-09	0.00623638	0.024358	0.7979272	0.3233463	5	0.96389019
ENSG00000250770	12	RP5-1063M23.1	3405368	rs10848860	12	3490820	C	T	0.713718	0.0189294	0.00933746	0.0426363	-0.330805	0.052676	3.39E-10	-0.0572222	0.0296607	0.05370297	0.8976323	11	0.54679043
ENSG00000111254	12	AKAP3	4724674	rs979877	12	4757896	C	T	0.522863	-0.0023352	0.00829202	0.778235	0.633054	0.0672177	4.60E-21	-0.0036888	0.0131043	0.7783322	0.7879978	12	0.96329762
ENSG00000111321	12	LTBR	6484211	rs10849448	12	6493351	G	A	0.737575	-0.014208	0.00945673	0.132987	-0.426706	0.041969	2.78E-24	0.0332969	0.0224028	0.1372045	0.916986	13	0.6978893
ENSG00000215039	12	CD27-AS1	6548167	rs111922468	12	6556078	T	C	0.17495	-0.0010177	0.0108375	0.925186	0.495443	0.07533	4.80E-11	-0.0020541	0.0218766	0.9251934	0.5731767	3	0.98793237
ENSG00000139192	12	TAPBPL	6560856	rs2244083	12	6570539	T	A	0.305169	0.00150986	0.00889562	0.865222	0.736801	0.0602272	2.05E-34	0.00204921	0.0120745	0.8652348	0.4522624	20	0.97675342
ENSG00000139190	12	VAMP1	6571403	rs2532506	12	6593527	G	A	0.690855	0.00331572	0.00916762	0.717593	-0.4286	0.0573347	7.70E-14	-0.0077362	0.0214147	0.717909	0.3507611	11	0.94753093
ENSG00000010292	12	NCAPD2	6602522	rs1045452	12	6572048	G	A	0.677932	7.59E-05	0.00885532	0.993164	0.292453	0.045891	1.86E-10	0.00025941	0.0302795	0.9931644	0.8228882	6	0.99818905
ENSG00000010610	12	CD4	6896024	rs2103396	12	6893479	T	C	0.294235	0.00910755	0.00843354	0.280178	0.292742	0.049142	2.57E-09	0.0311112	0.0292783	0.2879631	0.3361524	5	0.79695678
ENSG00000111664	12	GNB3	6949118	rs1129649	12	6948468	C	T	0.358847	0.0004452	0.00858574	0.958645	-0.452856	0.0537546	3.62E-17	-0.0009831	0.0189595	0.9586462	0.1199895	13	0.99428844
ENSG00000111665	12	CDCA3	6953957	rs5441	12	6949026	G	A	0.652087	-0.0026188	0.00819645	0.749345	-0.388381	0.0551657	1.92E-12	0.00674284	0.0211259	0.7495942	0.3249501	17	0.95395436
ENSG00000111671	12	SPSB2	6980099	rs2269358	12	6993151	T	G	0.304175	-0.0039279	0.00933946	0.674073	0.778361	0.0641924	7.75E-34	-0.0050463	0.0120061	0.6742574	0.6137876	16	0.93469731
ENSG00000240370	12	RPL13P5	6982553	rs2269359	12	6993653	A	G	0.303181	-0.0061624	0.00936432	0.510489	0.390281	0.0706937	3.38E-08	-0.0157898	0.0241637	0.5134658	0.1178171	5	0.87915151
ENSG00000010626	12	LRRC23	6982733	rs2239163	12	7014076	G	C	0.297217	-0.004683	0.00940127	0.618399	0.388648	0.0479305	5.12E-16	-0.0120493	0.0242353	0.619061	0.6097348	13	0.91768182
ENSG00000248593	12	DSTNP2	6993846	rs7138740	12	6983764	A	T	0.302187	-0.0028143	0.00933112	0.762953	0.39995	0.0502053	1.64E-15	-0.0070367	0.0233474	0.7631172	0.7704385	14	0.95964323
ENSG00000139197	12	PEX5	7341281	rs7315553	12	7353838	C	A	0.514911	-0.0032077	0.00812151	0.692866	0.534218	0.0571011	8.31E-21	-0.0060046	0.0152162	0.6931256	0.3436978	20	0.94155906
ENSG00000164845	12	FAM86FP	8385108	rs2968741	12	8386857	C	G	0.800199	0.0209727	0.0104755	0.0452762	-0.806908	0.1002	8.08E-16	-0.0259914	0.0133775	0.05202499	0.07559363	12	0.54679043
ENSG00000226091	12	LINC00937	8448582	rs4882928	12	8451343	T	C	0.0775348	-0.0361452	0.0132123	0.00622429	1.42209	0.13087	1.67E-27	-0.025417	0.00958067	0.00797939	0.9991559	20	0.29200804
ENSG00000139187	12	KLRG1	9102640	rs1805671	12	9163594	G	A	0.263419	-0.0003241	0.009068	0.971487	0.512298	0.07179	9.60E-13	-0.0006327	0.0177009	0.9714873	0.7829993	13	0.99453968
ENSG00000245105	12	A2M-AS1	9217773	rs1805661	12	9226961	A	G	0.505964	-0.0028345	0.00817773	0.72888	0.478499	0.0756521	2.53E-10	-0.0059238	0.017116	0.7292702	0.6431824	7	0.94884724
ENSG00000256069	12	A2MP1	9381129	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.620861	0.0828062	6.49E-14	0.0055574	0.0130632	0.6705287	0.2922271	20	0.93322639
ENSG00000256427	12	RP11-118B22.4	9399093	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.662497	0.0862745	1.60E-14	0.00520813	0.0122413	0.6705055	0.2985411	20	0.93322639
ENSG00000111788	12	RP11-22B23.1	9429831	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-1.09478	0.0702039	7.96E-55	0.00315166	0.00739912	0.6701443	0.1603606	20	0.93322639
ENSG00000214776	12	RP11-726G1.1	9620148	rs55655311	12	9624045	T	C	0.457256	-0.0072471	0.00816803	0.374943	-0.568929	0.0903031	2.97E-10	0.0127382	0.0144985	0.3796272	0.7195729	20	0.84421858
ENSG00000256594	12	RP11-705C15.2	9787188	rs11052282	12	9820080	A	C	0.0755467	0.00802706	0.0173017	0.642686	-0.889233	0.160114	2.80E-08	-0.009027	0.0195247	0.6438405	0.2026261	6	0.92525205
ENSG00000184293	12	CLECL1	9868456	rs10492165	12	9885961	G	A	0.496024	0.00844943	0.00808416	0.295938	-0.733538	0.0910178	7.67E-16	-0.0115187	0.0111131	0.2999673	0.1644214	10	0.80291535
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.74463	0.193822	2.23E-19	-0.0079474	0.0109294	0.467133	0.884455	16	0.87345602
ENSG00000172322	12	CLEC12A	10103915	rs12231872	12	10118747	C	G	0.224652	-0.0017366	0.00940068	0.853438	0.639361	0.0914941	2.79E-12	-0.0027162	0.0147084	0.8534887	0.8705094	9	0.97476465
ENSG00000245648	12	RP11-277P12.20	10516368	rs2617171	12	10561279	G	C	0.663022	-0.011844	0.00850479	0.163732	-0.472709	0.0728293	8.55E-11	0.0250556	0.0184011	0.1733122	0.2237996	20	0.72148239
ENSG00000205810	12	KLRC3	10564911	rs10743899	12	10642477	C	T	0.808151	-0.013489	0.0105514	0.201107	-0.573318	0.0910795	3.08E-10	0.023528	0.0187798	0.2102668	0.01417292	8	0.74658316
ENSG00000205809	12	KLRC2	10579453	rs71450045	12	10557389	G	A	0.156064	0.0107883	0.0111209	0.332	1.08957	0.120451	1.49E-19	0.00990143	0.0102652	0.3347645	0.01926341	14	0.81908674
ENSG00000134545	12	KLRC1	10594863	rs73070521	12	10665900	G	C	0.177932	-0.0213244	0.0121573	0.0794237	1.38257	0.138069	1.33E-23	-0.0154237	0.00892714	0.08403571	0.6886482	10	0.61872238
ENSG00000111215	12	PRR4	10977559	rs68186227	12	11271711	C	T	0.356859	-0.0007852	0.00866441	0.927788	-0.669794	0.0783102	1.20E-17	0.00117236	0.0129367	0.9277921	0.6036587	11	0.98793237
ENSG00000231887	12	PRH1	11033610	rs67471783	12	11351211	C	A	0.654076	-0.0086854	0.00850635	0.307234	-0.869869	0.0972002	3.58E-19	0.00998468	0.00984233	0.3103619	0.3646627	20	0.80584798
ENSG00000212127	12	TAS2R14	11090005	rs7969080	12	11098941	A	G	0.649105	-0.0089097	0.00838019	0.287696	-0.527523	0.0615892	1.08E-17	0.0168897	0.0160078	0.2913832	0.3256425	20	0.79910376
ENSG00000256274	12	TAS2R64P	11229368	rs1551193	12	11318574	A	C	0.356859	-0.0005424	0.00866224	0.950068	1.12131	0.0929356	1.61E-33	-0.0004838	0.00772521	0.9500692	0.5906891	15	0.99289521
ENSG00000256537	12	RP11-785H5.1	11323963	rs2597984	12	11199734	C	T	0.867793	-0.0009071	0.0144775	0.950038	0.348207	0.0466051	7.93E-14	-0.0026052	0.0415787	0.9500396	0.8271829	17	0.99289521
ENSG00000121335	12	PRB2	11544476	rs7303392	12	11495092	C	T	0.787276	0.0282636	0.0100927	0.00510411	-0.546284	0.0802987	1.02E-11	-0.0517379	0.0199792	0.00960906	0.6262626	14	0.31648103
ENSG00000255621	12	RP11-377D9.3	13153385	rs850923	12	13140862	T	G	0.801193	0.0143469	0.0103565	0.165959	0.938727	0.134347	2.80E-12	0.0152834	0.0112472	0.1741925	0.8060012	12	0.72148239
ENSG00000182993	12	C12orf60	14956506	rs2075268	12	14956476	G	A	0.588469	0.00341577	0.00811305	0.673739	-0.769292	0.0780477	6.41E-23	-0.0044402	0.0105557	0.6740193	0.6526894	16	0.93469731
ENSG00000008394	12	MGST1	16500076	rs73318112	12	16327420	G	T	0.180915	-0.0073649	0.0107429	0.492989	-0.300237	0.0489489	8.59E-10	0.0245304	0.0360042	0.495669	0.482564	3	0.87805165
ENSG00000121350	12	PYROXD1	21590549	rs2192183	12	21608043	G	A	0.44831	0.00821358	0.00810398	0.31081	-0.365488	0.0590004	5.84E-10	-0.0224729	0.0224679	0.3172016	0.5530547	9	0.80963732
ENSG00000069431	12	ABCC9	21950335	rs1914361	12	22045853	G	A	0.468191	-0.003939	0.00808717	0.626209	0.313445	0.0520233	1.69E-09	-0.0125669	0.0258851	0.6273313	0.2747116	9	0.91838156
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.50778	0.134846	5.02E-29	-0.0089946	0.00902146	0.3187529	0.6465206	17	0.80963732
ENSG00000064115	12	TM7SF3	27126128	rs79716120	12	27103588	G	A	0.122266	0.00648423	0.0123749	0.600293	0.625803	0.0844134	1.23E-13	0.0103615	0.0198238	0.601198	0.6494443	9	0.91118981
ENSG00000247934	12	RP11-967K21.1	28316231	rs4931725	12	28283199	C	G	0.594433	0.0114373	0.00810832	0.158373	-0.481778	0.0709046	1.09E-11	-0.0237398	0.0171888	0.167243	0.2523535	14	0.72148239
ENSG00000257176	12	RP11-996F15.2	29433351	rs966541	12	29491528	G	A	0.284294	0.00613617	0.00887294	0.489213	0.466666	0.0821649	1.35E-08	0.013149	0.0191539	0.4924043	0.7984242	8	0.87805165
ENSG00000133704	12	IPO8	30781922	rs12830910	12	30890234	C	T	0.243539	0.00786155	0.00881358	0.372403	-0.423546	0.0494133	1.02E-17	-0.0185613	0.0209214	0.3749763	0.9762135	20	0.83748989
ENSG00000110888	12	CAPRIN2	30862486	rs17688437	12	30903231	G	T	0.11332	-0.0111423	0.0162033	0.49167	-0.231412	0.0391523	3.41E-09	0.0481492	0.0704916	0.4945759	0.9814936	10	0.87805165
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	1.02069	0.0972341	8.89E-26	0.007463	0.0126439	0.5550268	0.5106609	10	0.89377419
ENSG00000013573	12	DDX11	31226779	rs3881296	12	31237700	A	G	0.430417	-0.0110286	0.00815037	0.176012	-1.26638	0.071202	9.11E-71	0.00870876	0.00645456	0.1772593	0.9771181	20	0.72148239
ENSG00000259937	12	RP11-438D14.2	33557810	rs7138393	12	33590787	C	G	0.491054	0.011095	0.00806404	0.168863	-0.457113	0.0786091	6.06E-09	-0.0242719	0.0181283	0.180605	0.7065561	7	0.72458287
ENSG00000225342	12	AC079630.4	40579811	rs2638272	12	40609883	A	G	0.61829	0.00180515	0.00811698	0.824009	-0.270644	0.0495061	4.58E-08	-0.0066698	0.0300162	0.8241519	0.7117143	5	0.96773132
ENSG00000188906	12	LRRK2	40590546	rs2638269	12	40541197	T	G	0.678926	0.00219989	0.00828105	0.790506	-0.37246	0.0661208	1.77E-08	-0.0059064	0.0222581	0.7907332	0.9673084	10	0.96351947
ENSG00000257225	12	RP11-328C8.4	42853168	rs376058975	12	42621539	A	G	0.208748	-0.0125712	0.0112419	0.263462	0.643664	0.104581	7.52E-10	-0.0195307	0.0177514	0.2712308	0.4372058	17	0.78604032
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.813243	0.0898421	1.40E-19	-0.0128149	0.0112581	0.2550056	0.9910975	12	0.77238055
ENSG00000139211	12	AMIGO2	47469490	rs2107314	12	47942108	G	C	0.614314	0.00713143	0.00824868	0.387284	0.442255	0.0743039	2.65E-09	0.0161252	0.0188471	0.3922327	0.06636447	12	0.8477398
ENSG00000179715	12	PCED1B	47473386	rs61918130	12	47939856	A	G	0.0636183	0.0191275	0.0171055	0.263479	-0.674539	0.0891268	3.78E-14	-0.0283564	0.0256341	0.2686405	0.4254525	11	0.78265812
ENSG00000257906	12	RP1-90J4.1	47808791	rs2074193	12	47771429	G	T	0.241551	-0.0058251	0.0099485	0.558194	-0.556014	0.100797	3.46E-08	0.0104765	0.0179931	0.5603953	0.1986991	3	0.89377419
ENSG00000079337	12	RAPGEF3	48128455	rs12423645	12	48143978	T	C	0.145129	-0.010071	0.0118797	0.396578	0.367222	0.057407	1.59E-10	-0.0274248	0.032633	0.4006838	0.7248047	12	0.85220256

ENSG00000268069	12	AC004466.1	48178706	rs2408874	12	48177073	G	A	0.744533	0.0103035	0.00990641	0.298302	0.341222	0.0571488	2.36E-09	0.0301959	0.0294693	0.3055264	0.3113561	5	0.8056324
ENSG00000240399	12	RP1-228P16.1	48448596	rs12303741	12	48560820	A	G	0.295229	0.0308677	0.00966448	0.00140349	-0.865613	0.0985071	1.53E-18	-0.0356599	0.0118795	0.00268392	0.2501328	20	0.2524555
ENSG00000177981	12	ASB8	48541571	rs73102065	12	48492607	C	T	0.217694	0.0420794	0.0116091	0.00028932	0.4585	0.0611352	6.39E-14	0.0917762	0.0281218	0.00110037	0.5508625	18	0.18229546
ENSG00000187166	12	H1FNT	48722763	rs2634697	12	48693423	C	T	0.262425	-0.0204534	0.00958154	0.0327884	-0.510018	0.0865739	3.84E-09	0.0401033	0.019982	0.04475261	0.9774252	7	0.52029162
ENSG00000167535	12	CACNB3	49207577	rs34014405	12	49211913	T	C	0.177932	0.00825684	0.0111443	0.458751	-0.320169	0.0436442	2.20E-13	-0.025789	0.0349846	0.4610296	0.02111089	7	0.87317831
ENSG00000239617	12	RP11-302B13.1	49297201	rs10783295	12	49312951	T	C	0.409543	0.00157028	0.00825413	0.849119	0.311256	0.0519121	2.02E-09	0.00504498	0.0265321	0.8491947	0.8136218	8	0.97278648
ENSG00000134285	12	FKBP11	49315301	rs10875901	12	49354127	A	G	0.562624	-0.0001254	0.0082175	0.987825	0.320874	0.0453337	1.46E-12	-0.0003908	0.0256098	0.9878254	0.6481307	18	0.99624056
ENSG00000258017	12	RP11-386G11.10	49521565	rs2279596	12	49498751	A	G	0.33002	-0.0029854	0.00837482	0.721486	-0.594943	0.0925594	1.30E-10	0.00501798	0.0140983	0.7218948	0.499366	12	0.94753093
ENSG00000167553	12	TUBA1C	49582519	rs7958241	12	49509262	G	A	0.333002	-0.0014487	0.00832799	0.861903	0.372764	0.055563	1.96E-11	-0.0038863	0.0223487	0.8619492	0.1777117	10	0.97675342
ENSG00000161798	12	AQP5	50355653	rs3759129	12	50354437	C	A	0.177932	0.0161868	0.0113103	0.152385	-0.818146	0.0896757	7.28E-20	-0.0197847	0.0139934	0.1574013	0.9969998	8	0.71666927
ENSG00000272368	12	RP4-605O3.4	50505980	rs4883482	12	50576917	G	A	0.599404	0.00157568	0.00831523	0.849706	-0.632332	0.068847	4.13E-20	-0.0024919	0.0131529	0.8497378	0.541978	19	0.97295722
ENSG00000139624	12	CERS5	50523575	rs7138622	12	50583204	T	C	0.324056	8.62E-06	0.00917727	0.999251	-0.467459	0.0530814	1.29E-18	-1.84E-05	0.0196322	0.9992508	0.9532791	20	0.9992508
ENSG00000139629	12	GALNT6	51745031	rs3782473	12	51756269	C	T	0.281312	-0.0038831	0.0085967	0.65149	-0.500755	0.0624482	1.07E-15	0.00775443	0.0171947	0.6520053	0.2861553	8	0.92885582
ENSG00000111077	12	TENC1	53440753	rs11170385	12	53443278	G	T	0.607356	-0.0154707	0.0080803	0.0555418	0.294192	0.0333029	1.01E-18	-0.0525871	0.0281038	0.06132089	0.1769596	9	0.5583788
ENSG00000135476	12	ESPL1	53662083	rs10747662	12	53669821	T	A	0.673956	-0.0055339	0.00865816	0.522722	-0.96188	0.0948725	3.72E-24	0.00575321	0.00901916	0.5235466	0.9402751	20	0.88172312
ENSG00000135390	12	ATP5G2	54026510	rs3892761	12	54070445	T	A	0.299205	0.0138158	0.00944164	0.143391	0.602356	0.047458	6.52E-37	0.0229363	0.0157783	0.1460419	0.06555853	20	0.70919091
ENSG00000248265	12	RP11-834C11.3	54452038	rs2233921	12	54575800	A	C	0.477137	0.00299254	0.00811907	0.71244	0.595695	0.104667	1.26E-08	0.00502361	0.0136581	0.7130141	0.6966512	4	0.94634312
ENSG00000135441	12	BLOC1S1	56109820	rs3138141	12	56115778	A	C	0.191849	-0.0017964	0.0108589	0.868604	0.301578	0.0416181	4.28E-13	-0.0059567	0.0360163	0.8686386	0.4601373	4	0.97700295
ENSG00000135437	12	RDH5	56114151	rs3138141	12	56115778	A	C	0.191849	-0.0017964	0.0108589	0.868604	-0.441039	0.0617417	9.11E-13	0.00407311	0.0246278	0.8686396	0.575412	4	0.97700295
ENSG00000139531	12	SUOX	56390964	rs10876864	12	56401085	A	G	0.591451	-0.0202772	0.00816879	0.0130545	0.295356	0.0455438	8.87E-11	-0.0686534	0.0296143	0.02043542	0.5647153	9	0.39296111
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.0559	0.055845	9.86E-80	0.0189316	0.00779658	0.01517416	0.4340226	20	0.3522782
ENSG00000257303	12	RP11-977G19.11	56693926	rs2066818	12	56753822	A	C	0.0636183	-0.0053403	0.0177429	0.763428	-0.94813	0.119202	1.81E-15	0.00563247	0.018727	0.7635917	0.8512661	13	0.95964323
ENSG00000110944	12	IL23A	56732663	rs57343616	12	56623347	T	C	0.0675944	-0.0094575	0.0187256	0.613516	0.93872	0.165135	1.31E-08	-0.0100749	0.0200266	0.6149097	0.8900559	5	0.91494757
ENSG00000025423	12	HSD17B6	57145945	rs747906	12	57233350	G	C	0.0735586	-0.0174617	0.0153258	0.254549	0.522658	0.0747093	2.64E-12	-0.0334094	0.0297091	0.2607798	0.1624562	6	0.78131464
ENSG00000166881	12	TMEM194A	57449426	rs62621200	12	57472544	T	C	0.0159046	0.0546971	0.0285217	0.0551442	1.2042	0.205503	4.64E-09	0.0454219	0.0249214	0.06836228	0.7128478	4	0.57759076
ENSG00000123427	12	METTL21B	58165275	rs2069506	12	58142854	A	C	0.309145	-0.020781	0.00850202	0.0145154	0.791162	0.0670724	4.11E-32	-0.0262664	0.0109745	0.0166931	0.0638785	20	0.3522782
ENSG00000123297	12	TSFM	58176372	rs11172351	12	58213485	T	C	0.319085	-0.022364	0.00849209	0.00845065	-0.443	0.0581063	2.46E-14	0.0504831	0.0202809	0.01280347	0.0943269	19	0.34907046
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.904265	0.0669188	1.31E-41	0.0327595	0.00979171	0.00082093	0.5675547	20	0.16772553
ENSG00000177990	12	DPY19L2	63952693	rs7957467	12	64063442	A	C	0.197813	-0.001212	0.0100533	0.904044	-0.357059	0.0533502	2.19E-11	0.00339431	0.0281604	0.9040594	0.7286047	11	0.98439248
ENSG00000255642	12	PABPC1P4	64215801	rs7308850	12	64215629	G	A	0.177932	0.00702116	0.00926489	0.448555	0.497427	0.0843826	3.75E-09	0.014115	0.0187789	0.4522683	0.09314794	8	0.86824012
ENSG00000239335	12	RP11-745O10.2	66524531	rs1370126	12	66546892	G	A	0.435388	0.0130862	0.00806503	0.104679	-1.10749	0.0783661	2.40E-45	-0.0118161	0.0073301	0.106963	0.1523927	15	0.65849726
ENSG00000127311	12	HELB	66696325	rs4430553	12	66698895	C	T	0.535785	-0.004634	0.00819828	0.57191	0.403398	0.0559578	5.64E-13	-0.0114874	0.0203854	0.5730878	0.460282	11	0.89938743
ENSG00000111581	12	NUP107	69080514	rs2546513	12	69108448	G	A	0.315109	0.00575447	0.00866016	0.506385	-0.405992	0.0625974	8.83E-11	-0.0141739	0.0214425	0.508602	0.7456024	11	0.8783337
ENSG00000090382	12	LYZ	69742121	rs4761234	12	69732105	C	T	0.469185	0.00514859	0.00819414	0.52979	-0.401007	0.0732632	4.41E-08	-0.0128392	0.0205681	0.5324789	0.9213643	11	0.88643447
ENSG00000127337	12	YEATS4	69753483	rs7136238	12	69752509	T	G	0.447316	0.00614324	0.00832114	0.460351	-0.401823	0.0513955	5.36E-15	-0.0152884	0.0208006	0.4623399	0.8355589	19	0.87345602
ENSG00000166268	12	MYRFL	70219084	rs4332561	12	70157582	T	C	0.0616302	0.00825455	0.0148537	0.5784	1.73262	0.147243	5.77E-32	0.0047642	0.00858253	0.578823	0.3385435	20	0.89957869
ENSG00000257139	12	RP11-320P7.2	70574118	rs10879101	12	70562124	A	C	0.690855	0.00243189	0.00877029	0.781559	-0.456109	0.0819179	2.58E-08	-0.0053318	0.0192523	0.781823	0.7048371	3	0.96335446
ENSG00000135643	12	KCNMB4	70760056	rs716876	12	70954308	A	C	0.203777	-0.0176267	0.0099894	0.0776408	-0.426282	0.0722675	3.66E-09	0.0413499	0.0244598	0.09092817	0.4088036	5	0.63306891
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-1.01118	0.0612551	3.23E-61	-0.0037559	0.00830729	0.6511809	0.3237667	20	0.9287567
ENSG00000257497	12	RP11-585P4.5	75877904	rs1051446	12	75894114	C	T	0.37674	0.00333475	0.00853669	0.696065	-0.569484	0.0718282	2.22E-15	-0.0058557	0.0150084	0.6964152	0.3640277	20	0.9434651
ENSG00000111615	12	KRR1	75890684	rs1056904	12	75893399	G	T	0.233598	0.00955823	0.00986034	0.332365	0.466291	0.057152	3.38E-16	0.0204984	0.0212951	0.3357529	0.1616455	12	0.81908674
ENSG00000175183	12	CSRP2	77252495	rs11116211	12	77315824	G	A	0.22664	-0.0046711	0.0102394	0.648255	0.652145	0.0689772	3.25E-21	-0.0071627	0.0157194	0.6486354	0.06523171	14	0.92722972
ENSG00000139220	12	PPFIA2	81652045	rs1962123	12	81742408	T	G	0.272366	0.00843542	0.00854785	0.323717	0.352323	0.0571594	7.10E-10	0.0239423	0.0245704	0.3298395	0.8325338	6	0.81680644
ENSG00000257431	12	RP11-263K4.3	82906456	rs10778886	12	82701485	T	G	0.710736	0.00132276	0.0088798	0.881583	-0.590679	0.09719	1.22E-09	-0.0022394	0.0150377	0.8816183	0.2693196	16	0.97794714
ENSG00000111666	12	CHPT1	102090725	rs2695299	12	102082664	A	G	0.607356	0.0179473	0.0081219	0.0271225	0.291693	0.0457371	1.80E-10	0.061528	0.029468	0.03680132	0.05350537	16	0.49915936
ENSG00000120860	12	CCDC53	102406705	rs6222	12	102789901	A	G	0.0308151	0.00760272	0.022125	0.731127	-0.830988	0.140265	3.13E-09	-0.009149	0.0266697	0.7315614	0.5810312	3	0.94884724
ENSG00000257681	12	RP11-341G23.4	104140093	rs11111750	12	104155540	A	G	0.282306	-0.0060731	0.00897241	0.498493	0.69526	0.0878852	2.55E-15	-0.008735	0.0129523	0.5000578	0.7636221	19	0.87805165
ENSG00000214198	12	RP11-642P15.1	104237527	rs17034931	12	104325459	C	G	0.05666	0.0239677	0.0226272	0.289491	-0.738029	0.132983	2.86E-08	-0.0324753	0.0312124	0.2981256	0.06465731	8	0.80291535
ENSG00000204954	12	C12orf73	104343980	rs322108	12	104371624	T	C	0.157058	-0.0079776	0.013775	0.562497	-0.413533	0.070922	5.52E-09	0.0192914	0.0334744	0.5644116	0.3779166	12	0.89445177
ENSG00000136051	12	KIAA1033	105501102	rs7975115	12	105601697	C	T	0.0795229	-0.0089908	0.0122116	0.461576	-0.424542	0.067195	2.65E-10	0.0211777	0.0289588	0.4645936	0.6957917	12	0.87345602
ENSG00000139428	12	MMAB	109991542	rs7300998	12	110016450	A	G	0.2833	0.02518	0.00875875	0.00404231	-0.393574	0.0673853	5.20E-09	-0.0639778	0.0248041	0.00989952	0.07151545	14	0.31648103
ENSG00000139433	12	GLTP	110288748	rs7135254	12	110305230	G	A	0.45825	0.00885149	0.00812481	0.275961	-0.268386	0.0304736	1.28E-18	-0.0329804	0.0305036	0.2796086	0.02834464	19	0.79306676
ENSG00000111300	12	NAA25	112464500	rs76296879	12	112830055	T	G	0.082505	-0.0142531	0.0129875	0.272447	0.474051	0.072033	4.67E-11	-0.0300666	0.0277752	0.2790307	0.5848864	18	0.79306676
ENSG00000257452	12	RP1-71H24.1	113345433	rs10774684	12	113450149	T	C	0.389662	0.00508508	0.0081458	0.532459	0.402086	0.0675064	2.58E-09	0.0126467	0.0203698	0.5346935	0.299399	9	0.88745609
ENSG00000196668	12	LINC00173	116971227	rs115638726	12	117006277	A	G	0.0248509	0.0746771	0.0613007	0.223144	-0.888631	0.157904	1.83E-08	-0.0840361	0.070581	0.2337976	0.1139514	7	0.76566394
ENSG00000088992	12	TESC	117476728	rs73408527	12	117528064	A	G	0.170974	-0.0161809	0.0111595	0.147066	-0.197216	0.0338214	5.51E-09	0.0820466	0.0583083	0.1593929	0.8992028	12	0.71666927
ENSG00000176834	12	VSIG10	118501398	rs10850960	12	118537903	A	G	0.417495	-0.0066458	0.00825408	0.420731	0.275558	0.0448644	8.15E-10	-0.0241176	0.0302103	0.4246823	0.7932525	7	0.86364609
ENSG00000089220	12	PEBP1	118573663	rs1051175	12	118582967	A	G	0.5	-0.0047132	0.00807791	0.559581	-0.276485	0.0369464	7.24E-14	0.0170467	0.0293051	0.5607697	0.01572802	13	0.89377419
ENSG00000257218	12	GATC	120884241	rs680795	12	120906034	G	C	0.648111	0.0100653	0.00871923	0.248346	0.877311	0.0729879	2.79E-33	0.0114729	0.00998431	0.2505179	0.1813481	20	0.76959804
ENSG00000110871	12	COQ5	120941077	rs603574	12	120998443	G	A	0.279324	-0.0012958	0.00863711	0.880741	0.436337	0.0698274	4.14E-10	-0.0029698	0.0198003	0.8807756	0.5162475	3	0.97794714
ENSG00000122971	12	ACADS	121163538	rs10431386	12	121128926	T	C	0.316103	0.0232958	0.00877277	0.00791991	0.185354	0.0334454	2.99E-08	0.125683	0.0524825	0.0166315	0.08035496	12	0.3522782
ENSG00000157837	12	SPPL3	121200313	rs12372231	12	121351729	A	T	0.480119	0.0256841	0.00809248	0.00150446	-0.34731	0.0514272	1.44E-11	-0.0739515	0.0257453	0.00407325	0.9685815	11	0.26365177
ENSG00000157895	12	C12orf43	121440225	rs73214155	12	121454342	A	T	0.105368	0.0377217	0.017866	0.0347408	0.42753	0.0742662	8.58E-09	0.0882317	0.0445109	0.04745125	0.246498	3	0.52621691
ENSG00000089053	12	ANAPC5	121746048	rs2668237	12	121730941	G	C	0.345924	-0.0006784	0.00904394	0.940201	-0.216926	0.0392673	3.31E-08	0.00312755	0.0416952	0.9402069	0.6773799	3	0.99210341
ENSG00000212694	12	AC084018.1	122233173	rs7974348	12	122254713	G	A	0.189861	-6.91E-05	0.00984263	0.994402	-0.326916	0.0511956	1.71E-10	0.00021125	0.0301075	0.9944018	0.093377	5	0.99818905
ENSG00000272849	12	RP11-347I19.8	122235417	rs921286	12	122227691	C	A	0.824056	0.00540811	0.0100651	0.59105	0.441802	0.0768659	9.05E-09	0.012241	0.0228813	0.5926633	0.2370164	3	0.90646236
ENSG00000256092	12	hsa-mir-8072	123848415	rs78124268	12	123891852	G	C	0.0506958	-0.0039007	0.0245129	0.873568	-1.20316	0.197855	1.19E-09	0.00324204	0.0203807	0.8736109	0.5131586	6	0.97700295
ENSG00000111364	12	DDX55	124086624	rs7316613	12	124045580	C	T	0.885686	-0.0171903	0.0142602	0.228022	0.87073	0.0980086	6.44E-19	-0.0197424	0.0165274	0.2322715	0.9406407	20	0.7648479
ENSG00000168778	12	TCTN2	124155660	rs77724571	12	124187185	A	G	0.0427435	-0.0062624	0.0197275	0.750905	-0.716812	0.0899169	1.56E-15	0.00873652	0.027543	0.751095	0.7369839	5	0.95463824
ENSG00000185344	12	ATP6V0A2	124196865	rs66647364	12	124197280	C	A	0.375746	0.00641472	0.00864685	0.458175	0.330072	0.0586237	1.80E-08	0.0194343	0.0264233	0.4620354	0.3577898	14	0.87345602
ENSG00000250091	12	DNAH10OS	124410971	rs7958691	12	124440743	T	G	0.368787	0.0265442	0.00875449	0.0024289	0.219366	0.0401996	4.84E-08	0.121004	0.0456549	0.00803938	0.7318439	6	0.29200804
ENSG00000081760	12	AACS	125549925	rs11058046	12	125627053	T	C	0.245527	-0.0012702	0.00850727	0.881314	0.383191	0.0664432	8.06E-09	-0.0033147	0.0222086	0.8813532	0.1176129	4	0.97794714
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.506326	0.0919672	3.68E-08	-0.006577	0.0160902	0.6827187	0.4743398	6	0.93827542
ENSG00000185684	12	EP400NL	132568828	rs61942869	12	132593606	A	G	0.136183	0.0132556	0.00959571	0.167154	-0.584452	0.0811435	5.90E-13	-0.0226804	0.0167175	0.1748821	0.110306	8	0.72148239
ENSG00000185163	12	DDX51	132621139	rs1133694	12	132626191	T	C	0.15507	-0.0019567	0.0106917	0.854791	0.315991	0.0545556	6.95E-09	-0.0061922	0.0338523	0.8548631	0.1640927	8	0.97540924
ENSG00000256576	12	RP13-977J11.2	132671287	rs112664491	12	132674361	G	C	0.154076	-0.0094852	0.01008	0.346711	1.02215	0.135953	5.55E-14	-0.0092796	0.0099385	0.3504569	0.04445279	19	0.83252985
ENSG00000177084	12	POLE	133200348	rs11147004	12	133260417	A	G	0.434394	-0.0127999	0.00814617	0.116118	0.666352	0.0641852	3.00E-25	-0.0192089	0.0123643	0.1202834	0.6749119	20	0.6716696
ENSG00000227879	13	PSPC1P1	19775777	rs9512113	13	19788459	G	A	0.927435	-0.0394732	0.0219691	0.0723736	-0.919336	0.144783	2.16E-10	0.0429366	0.024835	0.08383109	0.02262545	6	0.6186091
ENSG00000032742	13	IFT88	21140585	rs2480431	13	21172412	T	G	0.17495	0.0248746	0.01203	0.038667	0.483654	0.0710535	9.97E-12	0.0514306	0.0259954	0.04787824	0.565898	9	0.52671817
ENSG00000132953	13	XPO4	21351469	rs7321635	13	21472055	C	A	0.652087	-0.0089573	0.00822473	0.276125	0.299486	0.052382	1.08E-08	-0.0299088	0.0279566	0.2846961	0.5277049	9	0.79552497
ENSG00000027001	13	MIPEP	24304328	rs75783226	13	24452804	A	G	0.133201	-0.0234856	0.0139463	0.0921807	0.816116	0.101711	1.02E-15	-0.0287773	0.0174609	0.09933295	0.8951542	11	0.64834522
ENSG00000205822	13	TPTE2P6	24982295	rs3978675	13	25154028	A	T	0.295229	-0.0024767	0.00878271	0.777949	-0.927093	0.109434	2.42E-17	0.00267143	0.00947863	0.7780688	0.9767746	18	0.96329762
ENSG00000253771	13	TPTE2P1	25498815	rs9511559	13	25559642	T	G	0.104374	0.00849106	0.0131686	0.519059	1.32175	0.160782	2.02E-16	0.0064241	0.0099936	0.5203398	0.1341602	20	0.88027463
ENSG00000132970	13	WASF3	27131840	rs1088191	13	27207592	T	C	0.272366	0.0101097	0.00884426	0.253005	0.283151	0.0461853	8.75E-10	0.0357043	0.0317734	0.2611339	0.8436737	6	0.78131464
ENSG00000122034	13	GTF3A	27998681	rs2146819	13	27997305	T	C	0.447316	-0.0080454	0.00808542	0.319714	-0.233345	0.0396977	4.15E-09	0.0344784	0.035143	0.3265496	0.8902805	10	0.81477095
ENSG00000186184	13	POLR1D	28194903	rs34767548	13	28200461	A	G	0.127237	-0.0065099	0.013765	0.636261	0.571274	0.0777468	2.01E-13	-0.0113955	0.0241451	0.6369575	0.4466087	6	0.92417328
ENSG00000122025	13	FLT3	28577411	rs61944700	13	28606179	A	T	0.190855	0.0171366	0.0109273	0.116827	0.690406	0.103568	2.62E-11	0.024821	0.0162594	0.1268695	0.6231384	9	0.68294787
ENSG00000238121	13	LINC00426	30914407	rs7981087	13	30972082	T	C	0.143141	-0.0075272	0.0113713	0.508005	-0.501173	0.0830405	1.59E-09	0.0150192	0.0228254	0.5105368	0.08046541	7	0.8783337
ENSG00000175664	13	TEX26	31506840	rs12857479	13	31531009	A	G	0.362823	0.0035244	0.00824638	0.669097	-0.386094	0.0553052	2.93E-12	-0.0091284	0.0213985	0.6696788	0.6509691	5	0.93322639
ENSG00000120669	13	SOHLH2	36742345	rs978746	13	36820438	G	A	0.444334	0.0180867	0.00840823	0.031471	0.916329	0.0808602	9.08E-30	0.0197382	0.00933984	0.03457209	0.4702552	20	0.48743989
ENSG00000242715	13	CCDC169	36801182	rs73169235	13	36904145	T	C	0.215706	0.0140735	0.0102604	0.170176	-0.607011	0.0907238	2.22E-11	-0.0231849	0.0172547	0.1790493	0.7310357	12	0.72148239
ENSG00000120693	13	SMAD9	37418968	rs12427732	13	37489555	T	C	0.22664	-0.0099842	0.0107616	0.353535	0.50111	0.0814588	7.67E-10	-0.0199241	0.0217184	0.358942	0.1423669	3	0.83455291
ENSG00000102710	13	SUPT20H	37583449	rs9547711	13	37551233	C	T	0.485089	-0.0065445	0.00806747	0.417238	0.250939	0.0449548	2.38E-08	-0.0260801	0.0324868	0.4220967	0.1680679	4	0.86347566
ENSG00000223685	13	LINC00571	38624954	rs71439743	13	38545678	C	T	0.347913	-0.0019661	0.00958511	0.837482	0.668033	0.100986	3.71E-11	-0.002943	0.0143552	0.8375592	0.06602235	10	0.97022715
ENSG00000236354	13	LINC00437	39107480	rs9532272	13	39306690	A	G	0.44334	-0.0158629	0.00808667	0.0498081	-0.629657	0.0947162	2.97E-11	0.0251929	0.0133904	0.05991572	0.2432495	8	0.55445831
ENSG00000150893	13	FREM2	39261266	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.832998	0.0796695	1.38E-25	0.0140841	0.00994101	0.156552	0.09934551	18	0.71666927
ENSG00000133103	13	COG6	40229764	rs10467367	13	40227072	G	A	0.254473	-0.0159334	0.00906334	0.0787463	-0.363546	0.0616571	3.72E-09	0.0438277	0.0260149	0.09204335	0.7620227	6	0.6364989
ENSG00000168852	13	TPTE2P5	41396432	rs7995170	13	41465379	C	G	0.706759	-0.0098326	0.00868454	0.25755	0.549252	0.0967143	1.35E-08	-0.0179019	0.0161227	0.2668483	0.8618687	7	0.78131464
ENSG00000176268	13	CYCSP34	41437735	rs7333447	13	41491722	T	A	0.723658	-0.0123617	0.00870356	0.155519	0.641903	0.0947211	1.23E-11	-0.0192579	0.0138536	0.1644981	0.1977448	20	0.71666927
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-0.933167	0.0609848	7.46E-53	-0.0015614	0.010229	0.8786778	0.03254618	20	0.97700295
ENSG00000227258	13	SMIM2-AS1	44716682	rs76367685	13	44717742	T	C	0.707753	-0.0127751	0.00906909	0.15894	-1.0292	0.106511	4.34E-22	0.0124127	0.00890493	0.1633453	0.2636251	15	0.71666927
ENSG00000235903	13	CPB2-AS1	46626941	rs17600984	13	46675714	A	C	0.261431	0.00027308	0.00886137	0.975416	1.02087	0.0709557	6.21E-47	0.0002675	0.00868023	0.9754156	0.1166587	18	0.99453968
ENSG00000136143	13	SUCLA2	48510622	rs7982822	13	48553621	A	G	0.0765408	-0.0063964	0.024291	0.792301	0.364373	0.0624866	5.50E-09	-0.0175546	0.0667331	0.7925069	0.6759129	11	0.96351947
ENSG00000102547	13	CAB39L	49882786	rs35214871	13	49918175	T	G	0.142147	-0.02939	0.0109095	0.00706025	-0.461252	0.0737465	3.99E-10	0.0637179	0.0257526	0.01335241	0.03595813	18	0.34907046
ENSG00000136144	13	RCBTB1	50106082	rs1325658	13	50161032	G	T	0.0526839	0.0132441	0.0137643	0.335948	-0.501584	0.0760425	4.22E-11	-0.0264046	0.0277321	0.3410313	0.3439151	20	0.82655538
ENSG00000123179	13	EBPL	50234859	rs9568308	13	50265238	T	C	0.0735586	0.00708956	0.0140422	0.613646	-0.973206	0.0945381	7.47E-25	-0.0072848	0.0144461	0.6140722	0.763595	20	0.91423182
ENSG00000204977	13	TRIM13	50570024	rs6561575	13	50677611	A	G	0.136183	-0.0159672	0.0113388	0.159074	0.40111	0.0630007	1.93E-10	-0.0398075	0.0289517	0.1691434	0.6919706	18	0.72148239
ENSG00000237152	13	DLEU7-AS1	51381992	rs2812238	13	51300278	C	T	0.153082	-0.0073576	0.0112617	0.513541	-0.700243	0.0984445	1.13E-12	0.0105073	0.0161503	0.5153089	0.331095	7	0.88027463
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs9526708	13	51500691	A	G	0.318091	-0.0057386	0.00866177	0.507637	-0.6583	0.106691	6.82E-10	0.00871733	0.0132334	0.5100652	0.9780972	4	0.8783337
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.480671	0.0421597	4.12E-30	-0.0078577	0.0170809	0.6454944	0.525344	20	0.9263043
ENSG00000123201	13	GUCY1B2	51568647	rs9535567	13	51648632	A	G	0.686879	0.0153812	0.00925159	0.0964029	-1.2165	0.0985736	5.45E-35	-0.0126438	0.00767379	0.09942196	0.1412172	19	0.64834522
ENSG00000136108	13	CKAP2	53029564	rs9526927	13	53051627	T	C	0.564612	-0.0073419	0.00805726	0.362182	-0.40925	0.0541883	4.27E-14	0.0179399	0.0198307	0.3656484	0.0085409	20	0.8352928
ENSG00000139675	13	HNRNPA1L2	53191605	rs4284531	13	53280588	G	A	0.384692	-0.0043017	0.00829179	0.603906	-0.413558	0.0712562	6.48E-09	0.0104017	0.0201298	0.605343	0.1865215	10	0.91214701
ENSG00000139734	13	DIAPH3	60239717	rs341540	13	60353411	T	A	0.739563	0.0296714	0.0102425	0.00376877	-0.293589	0.0499615	4.20E-09	-0.101064	0.0388961	0.00936827	0.9420977	15	0.31648103
ENSG00000226846	13	LINC00348	71589273	rs9542606	13	71757890	T	C	0.0308151	0.00037844	0.0196385	0.984626	-0.963101	0.175118	3.80E-08	-0.0003929	0.020391	0.9846256	0.2642922	5	0.99589761
ENSG00000083535	13	PIBF1	73356197	rs9573069	13	73519628	G	C	0.267396	-0.0186782	0.00875855	0.032961	-0.463895	0.0718222	1.05E-10	0.0402639	0.019883	0.04286296	0.7975407	12	0.51895932
ENSG00000118939	13	UCHL3	76123619	rs9543976	13	76136648	A	G	0.878728	0.00423846	0.0128988	0.742462	0.52782	0.0527403	1.41E-23	0.00803012	0.024451	0.7425969	0.988098	8	0.95220573
ENSG00000229865	13	RPL31P54	78996958	rs9574240	13	79002946	A	G	0.23161	0.00561236	0.00960679	0.55908	-0.893357	0.0866542	6.39E-25	-0.0062823	0.0107708	0.5597103	0.08771737	20	0.89377419
ENSG00000227354	13	RBM26-AS1	79980444	rs2296286	13	79980609	A	C	0.082505	0.00113198	0.0104274	0.913553	1.42835	0.13402	1.60E-26	0.00079251	0.00730069	0.9135574	0.2721035	16	0.985717
ENSG00000236240	13	GPC5-IT1	93136859	rs145754544	13	93197998	C	T	0.177932	-0.0047812	0.00940785	0.611306	0.82407	0.139539	3.51E-09	-0.0058019	0.0114585	0.6126192	0.4414343	9	0.91423182
ENSG00000183098	13	GPC6	93879095	rs1328368	13	93913022	A	G	0.498012	-0.0052065	0.00816889	0.523893	0.451512	0.0687777	5.21E-11	-0.0115312	0.0181774	0.5258381	0.6503228	11	0.88267514
ENSG00000152749	13	GPR180	95254157	rs3897473	13	95253920	G	T	0.642147	-0.0183691	0.00842349	0.0292052	0.357709	0.0541925	4.09E-11	-0.0513521	0.0248003	0.0383939	0.6638584	10	0.50203864
ENSG00000260992	13	DOCK9-AS2	99740073	rs2390189	13	99747977	A	G	0.271372	-0.0077946	0.00901401	0.387191	-0.422926	0.0713795	3.12E-09	0.0184302	0.0215392	0.3921863	0.1789805	7	0.8477398
ENSG00000125247	13	TMTC4	101256181	rs7993116	13	101332958	G	T	0.217694	-0.0082811	0.00995084	0.405295	-0.32887	0.0496288	3.44E-11	0.0251805	0.0304953	0.4089651	0.5993361	6	0.85818002
ENSG00000237082	13	COX5BP6	101276129	rs56143327	13	101307432	G	C	0.22167	-0.0055327	0.00990602	0.576489	-0.603582	0.0883376	8.33E-12	0.00916646	0.0164668	0.5777575	0.8350293	7	0.89957869
ENSG00000272143	13	FGF14-AS2	103046980	rs3168724	13	103047955	C	A	0.252485	-0.0119339	0.010538	0.257441	-0.425773	0.0509457	6.41E-17	0.0280288	0.0249765	0.2617742	0.8486031	4	0.78131464
ENSG00000250878	13	METTL21EP	103532449	rs873601	13	103528337	A	G	0.698807	0.00176614	0.00841295	0.833721	0.553988	0.0621603	5.00E-19	0.00318805	0.0151904	0.8337669	0.2536478	20	0.96886511
ENSG00000272274	13	LINC00551	107270158	rs9520100	13	107226547	G	A	0.633201	0.00119435	0.00835557	0.886337	-0.62031	0.0963735	1.22E-10	-0.0019254	0.0134733	0.8863649	0.09942209	3	0.97936644
ENSG00000230156	13	LINC00443	107306264	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.825836	0.0778475	2.72E-26	0.00105662	0.0101035	0.9167097	0.1380621	7	0.98647463
ENSG00000102606	13	ARHGEF7	111766906	rs9515381	13	111831913	C	T	0.426441	0.0118805	0.00839154	0.156842	-0.333458	0.0408366	3.20E-16	-0.0356282	0.0255407	0.1630281	0.113506	20	0.71666927
ENSG00000153495	13	TEX29	111968531	rs1536053	13	111982291	T	C	0.314115	-0.0018456	0.00893781	0.836403	0.601275	0.0818741	2.07E-13	-0.0030695	0.0148706	0.8364665	0.9564503	4	0.96964858
ENSG00000226903	13	LINC00354	112554299	rs7318659	13	112558251	C	T	0.408549	0.00369393	0.0081089	0.648721	0.599278	0.0933716	1.38E-10	0.00616397	0.0135652	0.649543	0.04059539	6	0.92722972
ENSG00000126217	13	MCF2L	113548692	rs4907579	13	113706415	G	A	0.808151	-0.0051413	0.0100023	0.607244	-0.583087	0.0726137	9.75E-16	0.00881735	0.0171892	0.6079793	0.2148769	12	0.91214701
ENSG00000267868	13	RP11-120K24.3	113619149	rs3011478	13	113613988	C	T	0.969185	0.00139701	0.0149578	0.925588	1.19831	0.209365	1.04E-08	0.00116582	0.0124841	0.9255982	0.5385831	3	0.98793237
ENSG00000235280	13	MCF2L-AS1	113621798	rs3011475	13	113616866	C	T	0.685885	0.00175561	0.0082339	0.831157	-0.428444	0.0675468	2.25E-10	-0.0040976	0.019229	0.8312513	0.9618422	10	0.96886511
ENSG00000057593	13	F7	113760105	rs9670535	13	113755131	T	C	0.124254	0.0107535	0.0147809	0.466904	-0.45232	0.0741445	1.06E-09	-0.0237741	0.0329095	0.4700438	0.8831031	5	0.87345602
ENSG00000150401	13	DCUN1D2	114110134	rs2260854	13	114185307	G	A	0.291252	0.0221471	0.00883925	0.0122262	-0.335223	0.0612472	4.42E-08	-0.0660668	0.0289998	0.02271594	0.2554766	9	0.41026745
ENSG00000150403	13	TMCO3	114145310	rs9577570	13	114216310	T	C	0.167992	0.00916405	0.0112657	0.415961	-0.318164	0.0449329	1.43E-12	-0.0288029	0.0356414	0.4190146	0.2086087	20	0.86158586
ENSG00000184497	13	TMEM255B	114462216	rs7400002	13	114524944	G	A	0.241551	0.00110663	0.00903947	0.902565	-0.686654	0.0800787	9.93E-18	-0.0016116	0.0131659	0.9025747	0.1143965	9	0.98439248
ENSG00000169062	13	UPF3A	115047059	rs3752107	13	115064423	A	G	0.0745527	0.0323364	0.015689	0.0392943	-0.834035	0.135511	7.52E-10	-0.038771	0.0198377	0.0506525	0.43133	4	0.54289516
ENSG00000258768	14	CTD-2292M16.8	20728639	rs9796390	14	20749413	A	G	0.324056	-0.0014457	0.00836746	0.862827	0.231211	0.0401569	8.53E-09	-0.0062527	0.036206	0.8628883	0.9367136	3	0.97675342
ENSG00000100814	14	CCNB1IP1	20779527	rs2297732	14	20781361	G	A	0.609344	-0.0085289	0.00811077	0.293005	0.672257	0.0730832	3.63E-20	-0.012687	0.0121436	0.2961395	0.5347463	20	0.80291535
ENSG00000092094	14	OSGEP	20914570	rs2275006	14	20920340	G	A	0.632207	0.0101428	0.00861767	0.239205	0.728639	0.0600714	7.37E-34	0.0139202	0.0118826	0.2414079	0.05764709	20	0.76866335
ENSG00000258515	14	RP11-203M5.7	20919464	rs2275006	14	20920340	G	A	0.632207	0.0101428	0.00861767	0.239205	0.429114	0.0578112	1.15E-13	0.0236366	0.0203334	0.2450511	0.02697244	12	0.76952166
ENSG00000092203	14	TOX4	21944756	rs8011582	14	21958985	T	C	0.657058	-0.0056741	0.00835916	0.497271	0.277501	0.0432191	1.36E-10	-0.0204472	0.0302909	0.4996581	0.5355116	11	0.87805165
ENSG00000129562	14	DAD1	23033805	rs11625520	14	23051042	T	C	0.0934394	0.00279193	0.0132201	0.83274	0.379027	0.0576327	4.81E-11	0.00736604	0.034897	0.8328253	0.9438653	5	0.96886511
ENSG00000100461	14	RBM23	23369854	rs12589539	14	23396680	C	T	0.581511	-0.007099	0.00812624	0.382338	0.431486	0.0568778	3.29E-14	-0.0164525	0.0189576	0.3854713	0.07842555	11	0.84682194
ENSG00000257285	14	RP11-298I3.1	23398818	rs8006409	14	23396511	G	A	0.61332	-0.0081019	0.00819243	0.32269	0.712872	0.0880202	5.54E-16	-0.0113651	0.0115775	0.3262706	0.01400443	17	0.81477095
ENSG00000092036	14	HAUS4	23415437	rs2145542	14	23419036	T	C	0.542744	-0.0060369	0.00807377	0.454628	-0.546882	0.0496643	3.36E-28	0.0110388	0.0147973	0.4556653	0.02665011	20	0.86824012
ENSG00000187630	14	DHRS4L2	24439148	rs10151793	14	24422585	C	G	0.0516899	-0.0438107	0.0581535	0.451232	-0.840248	0.111963	6.16E-14	0.0521402	0.0695578	0.4534983	0.220905	14	0.86824012
ENSG00000100908	14	EMC9	24608174	rs2236352	14	24610733	C	T	0.286282	-0.0104946	0.0087329	0.229467	-0.289392	0.0419786	5.43E-12	0.0362643	0.0306318	0.2364612	0.9971427	9	0.76839015
ENSG00000092295	14	TGM1	24718320	rs941504	14	24733467	T	C	0.944334	0.010418	0.0170707	0.541674	0.792382	0.111872	1.41E-12	0.0131477	0.0216233	0.5431658	0.7624569	6	0.88843971

ENSG00000157379	14	DHRS1	24759804	rs12892419	14	24768534	T	G	0.49503	0.010087	0.00805672	0.210573	-0.604279	0.0615024	8.76E-23	-0.0166926	0.0134406	0.2142528	0.1802523	13	0.75108271
ENSG00000139899	14	CBLN3	24895738	rs4344657	14	24899364	C	G	0.759443	-0.0017308	0.00875077	0.843208	0.467515	0.0652702	7.91E-13	-0.0037022	0.0187248	0.843267	0.05711626	4	0.97214076
ENSG00000196792	14	STRN3	31363005	rs7146946	14	31407356	C	T	0.275348	-0.0123047	0.00903252	0.173115	0.397284	0.0677903	4.62E-09	-0.0309721	0.0233418	0.184545	0.6722942	3	0.72887369
ENSG00000203546	14	RP11-176H8.1	31803518	rs34024670	14	31896969	A	G	0.387674	-0.0043272	0.00808191	0.592358	0.80201	0.0771021	2.43E-25	-0.0053955	0.0100904	0.5928469	0.7793088	20	0.90646236
ENSG00000129480	14	DTD2	31915242	rs17097898	14	31919023	T	C	0.135189	-0.0110761	0.0132025	0.401505	-0.563381	0.083434	1.45E-11	0.0196601	0.0236146	0.405105	0.970436	7	0.85493108
ENSG00000092020	14	PPP2R3C	35554673	rs8019351	14	35588296	C	A	0.313121	-0.0220902	0.0087175	0.0112766	-0.349348	0.0530061	4.38E-11	0.0632326	0.0267345	0.01801986	0.3730581	6	0.36362298
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	0.740443	0.0953128	7.94E-15	-0.0013814	0.01089	0.8990598	0.2600919	11	0.98426875
ENSG00000165502	14	RPL36AL	50085237	rs3007042	14	50095335	G	A	0.760437	-0.0096268	0.00961837	0.316887	0.455877	0.0453187	8.35E-24	-0.0211171	0.0212028	0.3192707	0.7053436	15	0.8099842
ENSG00000125375	14	ATP5S	50779044	rs6572659	14	50797893	A	G	0.557654	0.0175862	0.0082096	0.032181	-0.295571	0.0508777	6.27E-09	-0.0594991	0.0296035	0.04444528	0.4420849	13	0.52029162
ENSG00000131969	14	ABHD12B	51338878	rs12050195	14	51335280	A	G	0.329026	0.0151303	0.00845638	0.07358	-0.260145	0.0428055	1.22E-09	-0.058161	0.0338859	0.0860927	0.1153002	4	0.62176719
ENSG00000258711	14	RP11-218E20.3	51422977	rs71422007	14	51433891	G	C	0.137177	0.00244171	0.0127877	0.848572	0.840718	0.14241	3.56E-09	0.00290432	0.0152184	0.8486492	0.2267934	7	0.97278648
ENSG00000087301	14	TXNDC16	52897308	rs80328152	14	53029338	G	A	0.0626243	-0.007221	0.0203071	0.722148	-0.537677	0.085966	3.99E-10	0.01343	0.0378292	0.7225768	0.198073	9	0.94753093
ENSG00000126775	14	ATG14	55833110	rs7146748	14	55747086	A	G	0.442346	0.00200641	0.0080637	0.8035	0.286733	0.0480586	2.43E-09	0.00699749	0.0281471	0.8036672	0.625269	12	0.96471558
ENSG00000131966	14	ACTR10	58666798	rs17832891	14	58678057	A	G	0.0427435	-0.0534463	0.0181944	0.00330857	-0.706938	0.0832051	1.96E-17	0.0756025	0.0272317	0.00549873	0.2769651	9	0.28190919
ENSG00000181619	14	GPR135	59895740	rs1272107	14	59902237	A	G	0.593439	-0.0005579	0.00933754	0.952355	0.33083	0.0511559	9.99E-11	-0.0016864	0.0282258	0.9523574	0.1874621	18	0.99378914
ENSG00000126790	14	L3HYPDH	59927081	rs1253098	14	59945536	G	A	0.469185	-0.0126899	0.00852617	0.136658	-0.646726	0.0639558	4.88E-24	0.0196218	0.0133256	0.1408905	0.2851637	20	0.70248585
ENSG00000100612	14	DHRS7	60610838	rs1254038	14	60623741	C	A	0.150099	0.00940972	0.0127687	0.461159	-0.315574	0.055415	1.24E-08	-0.0298178	0.0407992	0.4648754	0.3134856	9	0.87345602
ENSG00000258289	14	CHURC1	65381079	rs10142016	14	65375444	G	T	0.186879	0.00764242	0.0096039	0.42617	0.679401	0.0569256	7.79E-33	0.0112488	0.0141672	0.4271959	0.8440413	20	0.86512923
ENSG00000171723	14	GPHN	66974125	rs74396645	14	66740179	G	T	0.0109344	0.0855779	0.0594888	0.150277	0.633562	0.113084	2.11E-08	0.135074	0.0969416	0.163512	0.3333035	5	0.71666927
ENSG00000100564	14	PIGH	68048672	rs61990117	14	68070226	C	A	0.0924453	0.025596	0.0142878	0.07322	0.571372	0.094097	1.26E-09	0.0447974	0.0260717	0.08575298	0.00240306	5	0.62176719
ENSG00000259038	14	CTD-2325P2.4	69093883	rs2273485	14	69095099	T	G	0.124254	0.0154448	0.0104419	0.13911	0.466611	0.0675043	4.77E-12	0.0330999	0.0228848	0.1480722	0.4559604	8	0.70919091
ENSG00000133983	14	COX16	70791798	rs11622440	14	70815162	A	C	0.161034	0.00830415	0.0101641	0.413925	-0.46854	0.0702786	2.61E-11	-0.0177235	0.0218554	0.4173994	0.7587067	13	0.86117441
ENSG00000259158	14	ADAM20P1	70935598	rs10135356	14	71030355	C	T	0.111332	0.016199	0.016453	0.32484	-0.54592	0.0967	1.65E-08	-0.0296728	0.030593	0.332085	0.9962032	16	0.81680644
ENSG00000258695	14	RP3-414A15.2	73989582	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.589437	0.0885608	2.82E-11	-0.0322034	0.0146248	0.0276676	0.2844287	16	0.4538879
ENSG00000184227	14	ACOT1	74003818	rs35417585	14	73993018	G	A	0.235586	-0.0031692	0.00982393	0.747001	0.798921	0.108911	2.21E-13	-0.0039668	0.0123084	0.7472372	0.4309718	16	0.95384439
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.739051	0.0848804	3.12E-18	-0.0256842	0.0113958	0.02420652	0.04799944	20	0.42091018
ENSG00000119673	14	ACOT2	74034324	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.502684	0.0609716	1.66E-16	-0.0377611	0.0168188	0.02475672	0.7044734	16	0.42752068
ENSG00000205669	14	ACOT6	74077649	rs10150828	14	74077485	T	C	0.464215	-0.0008424	0.00826556	0.918825	-0.628409	0.0805829	6.27E-15	0.00134049	0.0131543	0.9188319	0.1005779	13	0.98647463
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.21771	0.0939362	1.98E-38	-0.012665	0.00882807	0.1513932	0.4919902	20	0.71191488
ENSG00000258586	14	RP5-1021I20.2	74289262	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.27095	0.116839	1.47E-27	-0.0121345	0.00848	0.1524443	0.3943023	20	0.71191488
ENSG00000140043	14	PTGR2	74318547	rs8020267	14	74318714	G	A	0.90159	-0.0144917	0.0156902	0.355688	-0.753233	0.0842273	3.79E-19	0.0192393	0.0209413	0.3582379	0.8874415	20	0.83410235
ENSG00000205659	14	LIN52	74551499	rs7147847	14	74530995	C	T	0.34493	-0.0021167	0.00889791	0.811972	0.387812	0.0652038	2.72E-09	-0.005458	0.0229622	0.8121194	0.9948596	7	0.96552943
ENSG00000119718	14	EIF2B2	75469614	rs175435	14	75612025	T	C	0.454274	0.00139283	0.00808815	0.863275	-0.299414	0.0452777	3.77E-11	-0.0046519	0.0270224	0.8633213	0.1208913	13	0.97675342
ENSG00000259081	14	RP11-488C13.6	77240627	rs57335731	14	77276622	C	A	0.10835	-0.0114742	0.0113158	0.310585	0.740782	0.132168	2.08E-08	-0.0154893	0.0155234	0.318376	0.4807525	6	0.80963732
ENSG00000100577	14	GSTZ1	77787227	rs2193594	14	77786021	G	A	0.295229	-0.0002396	0.00836933	0.977156	0.358847	0.0511389	2.27E-12	-0.0006678	0.023323	0.9771566	0.4546812	10	0.99453968
ENSG00000165555	14	NOXRED1	77860364	rs1061638	14	77928525	G	A	0.666004	-0.0135902	0.00882163	0.123427	0.473022	0.0767124	7.00E-10	-0.0287306	0.0192228	0.1350153	0.5986832	13	0.6978893
ENSG00000100593	14	ISM2	77940740	rs8021376	14	78080832	A	C	0.370775	0.0079322	0.00806997	0.325643	0.333596	0.0568197	4.33E-09	0.0237779	0.0245275	0.3323277	0.1616979	10	0.81680644
ENSG00000197734	14	C14orf178	78227173	rs1985149	14	78257503	T	C	0.10835	-0.0209923	0.0131858	0.111376	0.918892	0.158024	6.07E-09	-0.0228452	0.0148778	0.1246544	0.2347914	8	0.67802867
ENSG00000165409	14	TSHR	81421333	rs179245	14	81429463	C	G	0.646123	-0.0053533	0.00925175	0.562841	0.426779	0.0669591	1.84E-10	-0.0125435	0.0217672	0.5644415	0.7601137	20	0.89445177
ENSG00000042317	14	SPATA7	88851268	rs10150594	14	88955957	G	A	0.296223	-0.0068653	0.00893463	0.442256	-0.785664	0.0618611	5.88E-37	0.00873818	0.0113929	0.4430896	0.7057184	20	0.86824012
ENSG00000258983	14	RP11-507K2.2	88965678	rs10129917	14	88931805	T	C	0.229622	-0.0101667	0.0094319	0.281075	0.795514	0.0831752	1.13E-21	-0.01278	0.0119314	0.2841133	0.9245061	20	0.79552497
ENSG00000258789	14	RP11-507K2.3	89017941	rs11845147	14	88969148	A	G	0.26839	-0.0065704	0.00899099	0.464918	-0.582115	0.0823976	1.61E-12	0.0112871	0.0155278	0.4672901	0.6269872	20	0.87345602
ENSG00000140025	14	EFCAB11	90261013	rs7141637	14	90376922	A	C	0.0864811	-0.0110255	0.0120407	0.359831	0.595606	0.0938964	2.25E-10	-0.0185114	0.0204254	0.3647815	0.7547443	6	0.8352928
ENSG00000165929	14	TC2N	92246095	rs10498632	14	92290744	G	A	0.34493	0.00589747	0.00832117	0.478492	0.367976	0.0610817	1.70E-09	0.0160268	0.0227693	0.4815096	0.7131339	13	0.87638737
ENSG00000133958	14	UNC79	93799565	rs1044780	14	93705124	C	T	0.197813	0.0127599	0.00981738	0.193694	0.201715	0.0359858	2.08E-08	0.0632571	0.0499608	0.2054647	0.6662283	4	0.74217028
ENSG00000165948	14	IFI27L1	94547628	rs2402415	14	94569772	G	A	0.516899	0.00863508	0.0084201	0.305112	0.360818	0.061235	3.81E-09	0.023932	0.0236869	0.3123308	0.6905165	4	0.80584798
ENSG00000119632	14	IFI27L2	94594116	rs2273514	14	94595989	C	T	0.16501	-0.0038338	0.00979191	0.695409	-0.33227	0.0432353	1.53E-14	0.0115382	0.029508	0.6957831	0.9621579	15	0.94339069
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.766902	0.0635141	1.44E-33	-0.0235239	0.0165434	0.1550417	0.3627724	8	0.71396894
ENSG00000100749	14	VRK1	97263641	rs77347253	14	97359270	C	T	0.132207	0.00390046	0.0133656	0.770419	-0.37894	0.0522292	4.01E-13	-0.0102931	0.0352995	0.7705982	0.4514412	18	0.96074603
ENSG00000182218	14	HHIPL1	100111447	rs9805960	14	100131970	T	C	0.394632	-0.0093224	0.00825828	0.25896	-0.249204	0.0413848	1.73E-09	0.0374086	0.0337159	0.267204	0.1387983	8	0.78131464
ENSG00000176473	14	WDR25	100842755	rs2273803	14	100842778	C	T	0.476143	-0.0276737	0.00817166	0.0007078	0.342474	0.0611118	2.09E-08	-0.0808053	0.027879	0.00375044	0.3505264	11	0.2603942
ENSG00000256705	14	CTD-2017C7.1	102299772	rs67245746	14	102289334	T	C	0.149105	0.0141405	0.0124461	0.2559	0.698582	0.124765	2.15E-08	0.0202417	0.0181793	0.265516	0.2880227	5	0.78131464
ENSG00000271780	14	RP11-1017G21.5	102414684	rs2448241	14	102414767	A	G	0.084493	0.00781294	0.0125819	0.534621	0.740846	0.126037	4.15E-09	0.010546	0.0170777	0.536885	0.127093	4	0.88747737
ENSG00000156381	14	ANKRD9	102973179	rs2273905	14	102974999	C	T	0.631213	-0.0089102	0.00809867	0.271243	0.322931	0.0369847	2.51E-18	-0.0275916	0.0252769	0.2750209	0.08277356	20	0.79054752
ENSG00000259775	14	RP11-45P15.4	103798011	rs2281825	14	103800314	C	A	0.111332	0.0035422	0.0135866	0.794314	-0.713739	0.0786156	1.10E-19	-0.0049629	0.0190437	0.7943969	0.1415115	18	0.96351947
ENSG00000256053	14	APOPT1	104029299	rs7154948	14	104022944	T	C	0.374751	-0.0048502	0.00877885	0.580615	0.361532	0.0553168	6.33E-11	-0.0134157	0.024369	0.5819604	0.02231925	13	0.9011978
ENSG00000269958	14	RP11-73M18.8	104162690	rs12586322	14	104154882	G	C	0.212724	-0.0296398	0.00967214	0.00218072	-0.307655	0.044739	6.13E-12	0.096341	0.0344186	0.00512457	0.6574907	17	0.28154605
ENSG00000156414	14	TDRD9	104394799	rs7144813	14	104413885	C	G	0.393638	0.00493102	0.00810654	0.543004	-0.299466	0.0467548	1.50E-10	-0.016466	0.0271918	0.5448122	0.2332214	17	0.88843971
ENSG00000258701	14	LINC00638	105287538	rs11629188	14	105293940	G	C	0.181909	-0.0027832	0.00942106	0.767671	-0.668425	0.0906284	1.64E-13	0.00416382	0.0141057	0.7678514	0.3862979	18	0.96074603
ENSG00000140104	14	C14orf79	105452112	rs2582574	14	105454529	G	A	0.219682	0.00867094	0.00911719	0.341577	0.56448	0.0548617	7.89E-25	0.0153609	0.0162203	0.3436301	0.3216437	20	0.82996866
ENSG00000183828	14	NUDT14	105639275	rs3759782	14	105637258	C	T	0.626243	-0.0068391	0.00832316	0.411254	0.826137	0.0663616	1.42E-35	-0.0082784	0.0100967	0.4122702	0.4702162	20	0.85948219
ENSG00000259905	15	PWRN1	24738284	rs28670169	15	24779583	G	A	0.414513	-0.0035744	0.0081621	0.661444	0.677426	0.0760714	5.33E-19	-0.0052764	0.0120633	0.6618272	0.06988213	20	0.93322639
ENSG00000206187	15	RP11-1084I9.1	26147507	rs28664753	15	26277365	A	G	0.259443	0.00524891	0.00943578	0.578022	-0.502815	0.0616417	3.43E-16	-0.010439	0.0188095	0.5789027	0.07799804	14	0.89957869
ENSG00000261377	15	RP11-578F21.12	29034810	rs7179973	15	29078589	C	G	0.167992	-0.0015469	0.014208	0.913303	-1.32889	0.0889725	1.92E-50	0.00116402	0.0106919	0.9133059	0.1941067	20	0.985717
ENSG00000260897	15	DNM1P30	30443075	rs7162482	15	30373531	C	A	0.16501	-0.0303924	0.0107304	0.00462062	-0.559395	0.0961342	5.92E-09	0.0543308	0.0213339	0.01087487	0.6863619	4	0.3291662
ENSG00000166664	15	CHRFAM7A	30653443	rs12902692	15	31042778	T	C	0.134195	-0.0001809	0.0127569	0.988688	0.924955	0.135101	7.57E-12	-0.0001955	0.0137919	0.9886876	0.1468784	19	0.99630696
ENSG00000215302	15	CTD-3092A11.1	30762982	rs2128873	15	30939463	A	G	0.498012	-0.0094385	0.00811518	0.244802	-0.593466	0.102315	6.62E-09	0.015904	0.0139464	0.254133	0.2153551	8	0.77238055
ENSG00000270055	15	CTD-3092A11.2	30780166	rs9672538	15	31672152	G	A	0.0497018	0.033123	0.0219856	0.13192	-1.19173	0.181989	5.82E-11	-0.027794	0.0189304	0.1420444	0.3081998	20	0.70248585
ENSG00000270015	15	RP11-540B6.6	31218717	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	0.410503	0.0533036	1.35E-14	0.0374857	0.0205168	0.0676885	0.4722098	20	0.5772659
ENSG00000134160	15	TRPM1	31293264	rs3809579	15	31394322	T	C	0.584493	0.006059	0.00808677	0.453708	-0.89039	0.0790487	1.98E-29	-0.0068049	0.00910235	0.4547037	0.9015837	11	0.86824012
ENSG00000169918	15	OTUD7A	31775329	rs12439888	15	32145291	G	A	0.521869	0.0080541	0.00806548	0.317994	-0.457756	0.063479	5.55E-13	-0.0175947	0.0177877	0.3225898	0.6446298	8	0.81165121
ENSG00000206127	15	GOLGA8O	32737307	rs12594943	15	32899868	T	C	0.355865	0.003767	0.00874843	0.666765	0.796955	0.103056	1.05E-14	0.00472674	0.0109943	0.6672498	0.4966191	3	0.93322639
ENSG00000254912	15	RP11-632K20.2	32786204	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	1.04025	0.11133	9.29E-21	0.00045635	0.00922793	0.9605583	0.4944181	3	0.99428844
ENSG00000232653	15	GOLGA8N	32885657	rs62001766	15	32919594	A	G	0.188867	-0.006862	0.010181	0.500313	0.823844	0.109749	6.07E-14	-0.0083292	0.0124076	0.5020318	0.9006949	12	0.87805165
ENSG00000198826	15	ARHGAP11A	32907345	rs60252695	15	32911105	C	T	0.275348	0.00818158	0.00916835	0.372194	-0.491605	0.0752853	6.58E-11	-0.0166426	0.0188232	0.376613	0.9071965	4	0.84015954
ENSG00000248905	15	FMN1	33057747	rs192749688	15	33446302	C	T	0.0139165	-0.0448874	0.0561709	0.42422	2.18295	0.243526	3.13E-19	-0.0205627	0.0258337	0.4260522	0.4586204	15	0.86364609
ENSG00000259446	15	RP11-489D6.2	33595858	rs2251110	15	33598537	T	G	0.512922	-0.0089013	0.00807647	0.270408	-0.755101	0.085176	7.64E-19	0.0117882	0.0107782	0.2740847	0.6017715	20	0.79010836
ENSG00000184984	15	CHRM5	34260921	rs6495425	15	34276895	G	A	0.39662	-0.0085986	0.00817508	0.292889	0.805262	0.110584	3.29E-13	-0.010678	0.0102574	0.2978748	0.3283044	10	0.80291535
ENSG00000182405	15	PGBD4	34394274	rs1436923	15	34394273	A	C	0.902584	-0.0127456	0.0140311	0.363676	-0.578603	0.0967627	2.24E-09	0.0220282	0.0245282	0.3691437	0.1783273	11	0.8352928
ENSG00000215252	15	GOLGA8B	34817408	rs144215799	15	34890377	G	A	0.0109344	0.0695257	0.0757013	0.358398	-1.25787	0.185016	1.06E-11	-0.0552726	0.0607288	0.3627411	0.7146038	3	0.8352928
ENSG00000248508	15	SRP14-AS1	40331512	rs8041057	15	40330629	T	C	0.702783	-0.0078917	0.00866562	0.362461	0.429913	0.0499574	7.59E-18	-0.0183564	0.0202692	0.3651315	0.252612	10	0.8352928
ENSG00000259330	15	LINC00984	40617417	rs12440659	15	40632302	C	G	0.681909	-0.0078506	0.00951878	0.409516	-0.402405	0.0727801	3.22E-08	0.0195091	0.0239164	0.4146602	0.4594542	4	0.86117441
ENSG00000140323	15	DISP2	40650436	rs71472433	15	40649609	C	A	0.147117	0.0153384	0.0113086	0.174986	0.62183	0.0563009	2.32E-28	0.0246665	0.0183226	0.1782267	0.3275506	10	0.72148239
ENSG00000128944	15	KNSTRN	40674922	rs8033938	15	40703114	G	A	0.0974155	-0.0254413	0.0113394	0.0248565	1.46781	0.102065	6.79E-47	-0.0173328	0.00781884	0.02663649	0.3667898	20	0.44653685
ENSG00000128928	15	IVD	40697686	rs7165012	15	40654038	G	A	0.532803	-0.0027433	0.00851829	0.747412	0.330564	0.0485539	9.88E-12	-0.008299	0.0257978	0.7476851	0.01503052	14	0.95384439
ENSG00000128891	15	C15orf57	40820882	rs12913296	15	40844222	A	G	0.474155	0.0290352	0.00831579	0.00048019	-0.638651	0.0667634	1.11E-21	-0.0454633	0.0138611	0.00103838	0.07394611	20	0.18229546
ENSG00000223313	15	RNU6-516P	40821769	rs1044474	15	40845952	G	A	0.480119	0.0287842	0.00830255	0.00052648	-0.582679	0.102889	1.49E-08	-0.0493998	0.0167069	0.0031081	0.01911571	5	0.2603942
ENSG00000137804	15	NUSAP1	41624892	rs11070327	15	41602866	A	G	0.510934	0.00304862	0.00810806	0.706918	0.73924	0.0806236	4.77E-20	0.00412399	0.0109773	0.7071526	0.01341019	20	0.94504139
ENSG00000137806	15	NDUFAF1	41679551	rs28459164	15	41717313	T	A	0.270378	0.0224189	0.0088255	0.0110777	-0.506918	0.0618974	2.62E-16	-0.0442259	0.0182284	0.0152575	0.09652661	20	0.3522782
ENSG00000103932	15	RPAP1	41809374	rs1200345	15	41819716	T	C	0.517893	0.00559431	0.00806521	0.487911	-0.487332	0.0607024	9.89E-16	-0.0114795	0.0166114	0.4895277	0.5916372	20	0.87805165
ENSG00000243708	15	PLA2G4B	42120283	rs2303518	15	42109975	G	T	0.355865	0.0157494	0.00832027	0.0583714	0.299732	0.0479221	3.99E-10	0.0525449	0.0290024	0.07002604	0.9061877	16	0.58396716
ENSG00000137877	15	SPTBN5	42140345	rs8041458	15	42196846	C	G	0.431412	-0.0166854	0.00821125	0.0421522	-0.553616	0.0743267	9.45E-14	0.0301389	0.0153741	0.04995205	0.9086538	20	0.53714885
ENSG00000103966	15	EHD4	42190950	rs10518743	15	42229852	T	C	0.11829	-0.022164	0.0152222	0.145383	0.529834	0.0836044	2.34E-10	-0.041832	0.0294787	0.1558817	0.6893459	4	0.71569842
ENSG00000168803	15	ADAL	43622872	rs2243434	15	43689867	T	A	0.111332	-0.001457	0.0143065	0.918883	-1.07794	0.0888273	6.87E-34	0.00135164	0.0132725	0.9188856	0.03212812	20	0.98647463
ENSG00000242866	15	STRC	43891596	rs2957636	15	43938607	G	A	0.2833	-0.0226414	0.0112164	0.0435281	0.480293	0.0535019	2.78E-19	-0.0471408	0.0239364	0.04890458	0.3684714	20	0.52936779
ENSG00000249839	15	AC011330.5	43955852	rs2470135	15	43995789	T	C	0.290258	-0.0252286	0.0102766	0.0140903	-0.687966	0.0910218	4.09E-14	0.0366713	0.0157059	0.01954965	0.2311887	20	0.38732004
ENSG00000205771	15	CATSPER2P1	44019116	rs117091329	15	44036768	A	T	0.0357853	-0.0047462	0.0168625	0.778354	-1.59316	0.176715	1.96E-19	0.00297912	0.0105895	0.7784586	0.7009112	20	0.96329762
ENSG00000185880	15	TRIM69	45021186	rs17588263	15	45021705	T	C	0.0208748	-0.0429149	0.032919	0.192352	-1.36278	0.193016	1.66E-12	0.0314907	0.0245641	0.1998491	0.851326	10	0.74217028
ENSG00000140263	15	SORD	45315302	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	-1.10414	0.172662	1.61E-10	-0.0062274	0.0189688	0.7426891	0.5209991	3	0.95220573
ENSG00000137857	15	DUOX1	45422131	rs2292468	15	45467092	G	A	0.465209	0.00930936	0.00806645	0.248465	-0.365669	0.0608098	1.82E-09	-0.0254584	0.022462	0.2570467	0.2018741	4	0.77448751
ENSG00000259539	15	CTD-2651B20.1	45444862	rs16939752	15	45444133	C	T	0.129225	-0.0191147	0.0115593	0.0982042	0.902937	0.141716	1.87E-10	-0.0211695	0.013226	0.1094673	0.6298814	5	0.65854606
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	1.08566	0.0921152	4.62E-32	-0.005202	0.00759654	0.4934828	0.5076124	20	0.87805165
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.969488	0.0899333	4.28E-27	-0.0054249	0.00845366	0.5210558	0.3401295	20	0.88027463
ENSG00000171763	15	SPATA5L1	45694529	rs55885762	15	45633166	A	C	0.276342	0.012509	0.00868811	0.149929	0.532355	0.0950081	2.10E-08	0.0234975	0.0168503	0.1631716	0.6733066	4	0.71666927
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.835281	0.0530577	7.69E-56	0.00737438	0.0110695	0.5052897	0.4347851	20	0.8783337
ENSG00000138600	15	SPPL2A	50999506	rs7165492	15	51009907	A	C	0.117296	0.0171141	0.0123029	0.164208	-0.363759	0.0467697	7.39E-15	-0.0470479	0.0343583	0.1708952	0.7225285	15	0.72148239
ENSG00000104112	15	SCG3	51973550	rs2607116	15	51974433	G	A	0.781312	-0.010721	0.0115511	0.353335	0.526929	0.0654734	8.42E-16	-0.0203462	0.0220668	0.3565153	0.3106349	15	0.83410235
ENSG00000259577	15	RP11-430B1.2	52472290	rs4776010	15	52472683	T	G	0.151093	0.00192508	0.0121563	0.874173	-0.507018	0.0625625	5.31E-16	-0.0037969	0.0239806	0.8741964	0.8752989	19	0.97700295
ENSG00000047346	15	FAM214A	52873514	rs11633933	15	52948357	C	T	0.777336	0.00983111	0.0104499	0.346815	0.388637	0.0693019	2.05E-08	0.0252964	0.0272643	0.3535012	0.5438734	4	0.83394496
ENSG00000247982	15	LINC00926	57592563	rs2248886	15	57594933	T	A	0.580517	0.0127804	0.00834163	0.125492	-0.385738	0.0584684	4.19E-11	-0.0331323	0.0222006	0.1355925	0.08812013	15	0.6978893
ENSG00000255529	15	POLR2M	57884231	rs1062707	15	58000981	T	C	0.767396	0.00680473	0.0103682	0.511626	-0.311354	0.0403046	1.12E-14	-0.0218553	0.0334203	0.5131428	0.5384084	17	0.87915151
ENSG00000259251	15	RP11-643M14.1	62352702	rs12916410	15	62302886	C	G	0.0715706	-0.0023744	0.0200997	0.905966	0.604985	0.108417	2.40E-08	-0.0039246	0.0332309	0.9059867	0.3976927	4	0.98439248
ENSG00000103642	15	LACTB	63413999	rs2292038	15	63449680	G	C	0.492048	-0.0068655	0.00805254	0.393886	0.43138	0.0599463	6.20E-13	-0.0159152	0.0187975	0.3971797	0.347806	13	0.84924862
ENSG00000185088	15	RPS27L	63418071	rs12902921	15	63449777	A	G	0.0795229	0.0165469	0.0131586	0.208573	-0.294092	0.0533043	3.44E-08	-0.0562644	0.0458906	0.2201782	0.4656688	3	0.75807011
ENSG00000259459	15	RP11-321G12.1	63682335	rs2840098	15	63687200	G	A	0.280318	0.00324607	0.00859746	0.705757	0.791172	0.0696851	7.12E-30	0.00410286	0.0108727	0.7059114	0.5885727	20	0.94504139
ENSG00000103671	15	TRIP4	64679947	rs1665897	15	64892237	T	C	0.89165	-0.0166115	0.0125572	0.185881	-0.683664	0.0840177	4.05E-16	0.0242978	0.0186086	0.1916463	0.06651303	14	0.73729295
ENSG00000140451	15	PIF1	65107831	rs74749044	15	65129799	G	A	0.440358	-0.0183235	0.00827624	0.0268293	0.703008	0.0878499	1.22E-15	-0.0260644	0.0122149	0.03285686	0.8076433	19	0.48327225
ENSG00000090487	15	SPG21	65255362	rs6494505	15	65259012	A	G	0.533797	0.0138011	0.00811901	0.0891579	0.614185	0.065195	4.48E-21	0.0224706	0.0134326	0.09435949	0.6032528	15	0.64531626
ENSG00000166938	15	DIS3L	66585555	rs12911848	15	66817545	A	G	0.431412	-0.0112874	0.00821248	0.169313	-0.455698	0.0617027	1.52E-13	0.0247695	0.0183312	0.1766247	0.4191955	7	0.72148239
ENSG00000075131	15	TIPIN	66628544	rs7176821	15	66603119	C	G	0.110338	0.00533676	0.0140907	0.70488	1.30365	0.134498	3.24E-22	0.00409371	0.0108169	0.7050929	0.8486586	6	0.94504139
ENSG00000260657	15	RP11-315D16.4	68560130	rs7175297	15	68576528	G	A	0.356859	0.00093724	0.00901586	0.917206	1.05055	0.0850165	4.46E-35	0.00089214	0.00858234	0.9172086	0.9990924	20	0.98647463
ENSG00000260469	15	RP11-8P11.3	74060555	rs7162423	15	74052756	T	C	0.474155	-0.0167812	0.0081347	0.039121	-0.335113	0.0601063	2.47E-08	0.0500762	0.0258829	0.05302399	0.9413369	4	0.54679043
ENSG00000178802	15	MPI	75182346	rs1130741	15	75189930	G	A	0.510934	0.0081367	0.00811536	0.316039	0.419635	0.0511925	2.46E-16	0.0193899	0.0194832	0.3196328	0.1178873	20	0.8099842
ENSG00000140400	15	MAN2C1	75648133	rs7171507	15	75737287	C	T	0.2833	-0.0003879	0.0100034	0.969065	0.432906	0.047522	8.27E-20	-0.0008961	0.0231078	0.9690657	0.1198155	11	0.99428844
ENSG00000169371	15	SNUPN	75890424	rs113859107	15	75903695	A	G	0.227634	0.0005029	0.00905481	0.955708	-0.511701	0.0647511	2.73E-15	-0.0009828	0.0176959	0.9557095	0.4455537	20	0.99428844
ENSG00000169752	15	NRG4	76228310	rs2959852	15	76351704	G	C	0.82008	0.0076321	0.0106331	0.472902	0.841377	0.0801344	8.68E-26	0.00907096	0.0126672	0.4739316	0.4202839	17	0.87401101
ENSG00000140368	15	PSTPIP1	77285700	rs12438566	15	77326746	A	G	0.28827	-0.0027724	0.0090359	0.758978	0.564102	0.0737544	2.04E-14	-0.0049148	0.0160311	0.759166	0.5163774	20	0.9590929
ENSG00000173517	15	PEAK1	77400471	rs17381821	15	77403477	A	T	0.287276	-0.0043165	0.00902702	0.632525	-0.376975	0.0635901	3.06E-09	0.0114504	0.0240237	0.6336274	0.1579823	11	0.92222973
ENSG00000259362	15	RP11-307C19.1	77817882	rs62009087	15	77833064	T	C	0.373757	-0.0115952	0.00825509	0.160136	0.520163	0.0879542	3.34E-09	-0.0222915	0.0163117	0.1717517	0.253064	8	0.72148239
ENSG00000169783	15	LINGO1	77905369	rs28641836	15	77886340	C	A	0.385686	0.0186396	0.00820397	0.023085	-0.28137	0.0443595	2.25E-10	-0.0662459	0.0309713	0.03244026	0.935474	18	0.48327225
ENSG00000259666	15	RP11-307C19.3	77934106	rs7180732	15	77829921	A	G	0.303181	-0.0185207	0.00855226	0.0303424	0.625273	0.0999924	4.02E-10	-0.0296202	0.0144746	0.04072192	0.1020134	15	0.50809144
ENSG00000260776	15	RP11-114H24.2	78206559	rs62008593	15	78234461	A	G	0.484095	0.00414169	0.00814108	0.610935	0.948921	0.0805796	5.18E-32	0.00436463	0.0085873	0.6112671	0.2365202	20	0.9136864
ENSG00000183476	15	SH2D7	78370150	rs62009273	15	78409190	G	A	0.239563	0.00752595	0.00909159	0.407789	0.734619	0.10351	1.27E-12	0.0102447	0.0124598	0.4109526	0.5639422	14	0.85948219
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.68708	0.0621678	2.14E-28	-0.0017525	0.0133073	0.8952261	0.1164997	19	0.98333484
ENSG00000259562	15	RP11-762H8.2	78582869	rs876364	15	78583531	T	C	0.492048	-0.0044229	0.0081386	0.586819	-0.500634	0.0756114	3.56E-11	0.00883468	0.0163113	0.5880729	0.6535565	3	0.90466368
ENSG00000188266	15	HYKK	78799906	rs4887062	15	78837801	A	G	0.619284	-0.0059848	0.00824885	0.468123	0.407282	0.0740759	3.84E-08	-0.0146946	0.020429	0.4719557	0.3692983	7	0.87362581
ENSG00000041357	15	PSMA4	78832747	rs1052035	15	78841353	C	T	0.0536779	-0.0114708	0.0269545	0.670428	0.850599	0.127789	2.81E-11	-0.0134856	0.0317535	0.6710594	0.6591584	5	0.93322639
ENSG00000169684	15	CHRNA5	78857862	rs905740	15	78844386	C	T	0.624254	-0.0019518	0.00830986	0.814309	-0.919586	0.0867587	3.00E-26	0.00212242	0.00903874	0.8143531	0.9637896	20	0.96552943
ENSG00000261762	15	RP11-650L12.2	78881465	rs2904130	15	78916622	G	C	0.66501	-0.0003897	0.00843085	0.963129	-0.900353	0.0857421	8.57E-26	0.00043287	0.00936403	0.9631296	0.3738878	20	0.99428844
ENSG00000080644	15	CHRNA3	78885394	rs62010332	15	78918762	C	G	0.32505	-0.0004174	0.00845053	0.960602	0.838166	0.0663253	1.32E-36	-0.000498	0.0100822	0.9606022	0.6528907	20	0.99428844
ENSG00000103811	15	CTSH	79213400	rs62013227	15	79231046	T	G	0.101392	-0.0143194	0.0120023	0.23285	0.634687	0.10953	6.85E-09	-0.0225614	0.0193072	0.2425872	0.3119449	5	0.76866335
ENSG00000136371	15	MTHFS	80125927	rs7177659	15	80158042	C	A	0.522863	0.00177066	0.00807285	0.826389	-0.407892	0.0638354	1.66E-10	-0.004341	0.0198033	0.8264895	0.3962973	15	0.96861312
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.890638	0.0831388	8.88E-27	-0.0050012	0.00911808	0.5833579	0.650953	14	0.90180705
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-0.887747	0.0783702	9.58E-30	0.00063223	0.0116649	0.9567768	0.3866797	12	0.99428844
ENSG00000117899	15	MESDC2	81239667	rs8026419	15	81229910	A	G	0.127237	0.00813064	0.0158579	0.608148	0.478933	0.0838702	1.13E-08	0.0169766	0.0332441	0.6095861	0.6079121	4	0.91289684
ENSG00000188659	15	FAM154B	82555151	rs145196057	15	82533268	A	G	0.0337972	-0.0102104	0.017756	0.565264	0.850791	0.129356	4.80E-11	-0.0120011	0.0209496	0.5667435	0.6827359	9	0.89501905
ENSG00000197978	15	GOLGA6L9	82722223	rs783534	15	83250243	T	C	0.478131	-0.005381	0.00808562	0.505726	-0.503797	0.0680062	1.28E-13	0.010681	0.016114	0.5074342	0.3598706	20	0.8783337
ENSG00000255769	15	RP11-152F13.3	82765134	rs79993096	15	83386657	T	C	0.0188867	-0.0315614	0.0208601	0.130279	-1.36361	0.230458	3.28E-09	0.0231455	0.0157899	0.142692	0.7260949	13	0.7035598
ENSG00000169609	15	C15orf40	83657193	rs11259963	15	83641353	C	G	0.486083	-0.0097428	0.00806442	0.227001	-0.913233	0.0763967	6.20E-33	0.0106685	0.00887561	0.2293641	0.2658576	20	0.76373142
ENSG00000225151	15	AC103965.1	84867600	rs12902973	15	85105982	C	G	0.2833	-0.019552	0.00893224	0.0286022	-0.696699	0.0949949	2.23E-13	0.0280638	0.0133796	0.03594965	0.3155611	20	0.49915936
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.786003	0.123132	1.73E-10	0.00914106	0.0132363	0.4898133	0.1430108	17	0.87805165
ENSG00000230373	15	GOLGA6L5	85051116	rs150968	15	85075866	T	G	0.770378	-0.0061993	0.0101408	0.540986	-0.689463	0.0804829	1.07E-17	0.00899145	0.0147457	0.5420148	0.9868626	20	0.88821024

ENSG00000176700	15	SCAND2P	85174682	rs72630464	15	85298126	A	G	0.140159	0.00266709	0.0110756	0.809705	0.569478	0.0783117	3.54E-13	0.00468339	0.0194593	0.8098064	0.5347589	18	0.96552943
ENSG00000197696	15	NMB	85198360	rs12904605	15	85201419	C	T	0.258449	-0.0125494	0.00959742	0.191014	-0.384334	0.0625918	8.24E-10	0.0326523	0.0255315	0.2009307	0.4357827	20	0.74217028
ENSG00000259295	15	CSPG4P12	85734669	rs11074002	15	85729182	A	C	0.5666	-0.0021646	0.00815149	0.790591	-0.84973	0.0901339	4.20E-21	0.00254737	0.00959684	0.7906714	0.9374987	20	0.96351947
ENSG00000229212	15	RP11-561C5.4	85747141	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.662196	0.0947088	2.71E-12	0.00312699	0.0123212	0.7996582	0.7797506	20	0.96425033
ENSG00000188388	15	GOLGA6L3	85783703	rs62021165	15	85114237	C	G	0.17992	0.00705464	0.0103342	0.494829	0.653355	0.111068	4.04E-09	0.0107976	0.0159233	0.4977089	0.5039703	8	0.87805165
ENSG00000170776	15	AKAP13	85923802	rs3169122	15	86291642	C	T	0.212724	0.00639199	0.00943411	0.498063	0.303098	0.0516131	4.29E-09	0.0210889	0.0313321	0.5008994	0.2869873	20	0.87805165
ENSG00000259407	15	RP11-158M2.3	86287340	rs56388190	15	86314896	G	C	0.199801	0.00322589	0.0100609	0.748485	-0.722751	0.0979865	1.63E-13	-0.0044634	0.0139334	0.7487153	0.7842188	20	0.95384439
ENSG00000259762	15	RP11-158M2.4	86293567	rs8038207	15	86316570	T	G	0.409543	0.00514681	0.00815895	0.528159	-0.469703	0.0765146	8.32E-10	-0.0109576	0.0174619	0.5303229	0.9215982	15	0.88585874
ENSG00000259416	15	RP11-158M2.5	86298172	rs56388190	15	86314896	G	C	0.199801	0.00322589	0.0100609	0.748485	-0.665751	0.0911309	2.76E-13	-0.0048455	0.0151267	0.7487197	0.9158374	20	0.95384439
ENSG00000140522	15	RLBP1	89753100	rs2070780	15	89760997	T	C	0.45328	0.0149773	0.00808473	0.0639484	0.276317	0.0483381	1.09E-08	0.0542033	0.030757	0.0780174	0.0868132	16	0.60579307
ENSG00000140521	15	POLG	89859534	rs17228503	15	89763206	C	T	0.387674	0.00477058	0.00812902	0.557299	0.25855	0.0440385	4.33E-09	0.0184513	0.0315975	0.5592554	0.1973616	12	0.89377419
ENSG00000261478	15	RP11-429B14.4	90052192	rs12101521	15	90043983	G	A	0.345924	0.0019938	0.008381	0.811962	0.62747	0.0684156	4.67E-20	0.00317752	0.0133613	0.8120244	0.7989399	6	0.96552943
ENSG00000157823	15	AP3S2	90373831	rs7163629	15	90416740	C	T	0.740557	0.0110929	0.00940314	0.238118	-0.513592	0.0645294	1.73E-15	-0.0215987	0.0185086	0.2432295	0.3284172	6	0.76866335
ENSG00000259685	15	CTD-2315E11.1	90645881	rs7169036	15	90655597	G	A	0.728628	0.00697376	0.00864893	0.420062	0.528053	0.0693335	2.61E-14	0.0132066	0.0164704	0.4226492	0.4057326	13	0.86352515
ENSG00000185043	15	CIB1	90773207	rs1059495	15	90816339	T	C	0.164016	-0.0039807	0.0131164	0.761518	-0.236059	0.0400499	3.77E-09	0.016863	0.0556377	0.7618239	0.09587637	8	0.95964323
ENSG00000140575	15	IQGAP1	90931450	rs16944424	15	90983465	G	A	0.17495	-0.0124461	0.0101313	0.219267	0.509102	0.0481104	3.61E-26	-0.0244472	0.020034	0.222357	0.0406555	20	0.75840867
ENSG00000166965	15	RCCD1	91498100	rs3826033	15	91548601	A	G	0.138171	0.00349931	0.0112857	0.756511	0.879731	0.0975927	1.98E-19	0.0039777	0.0128362	0.7566503	0.6988244	11	0.95834554
ENSG00000185518	15	SV2B	91643180	rs4577064	15	91647804	A	G	0.589463	0.00079091	0.00832864	0.924345	-0.19356	0.0352641	4.05E-08	-0.0040861	0.0430352	0.9243558	0.9631821	9	0.98793237
ENSG00000258741	15	RP11-386M24.4	93258989	rs62020769	15	93280491	T	C	0.530815	-0.0117816	0.00820913	0.151235	0.592996	0.0992701	2.32E-09	-0.0198679	0.0142374	0.1628735	0.5653263	20	0.71666927
ENSG00000260361	15	CTD-2313J17.5	93322987	rs28633720	15	93312997	T	G	0.371769	0.00405313	0.00829193	0.62498	0.497313	0.0873117	1.23E-08	0.00815006	0.0167347	0.6262483	0.8364348	10	0.91838156
ENSG00000183571	15	PGPEP1L	99511459	rs1976574	15	99549501	C	G	0.769384	-0.0154121	0.00984022	0.117293	0.918933	0.0957766	8.43E-22	-0.0167717	0.0108501	0.122159	0.8677967	20	0.67319221
ENSG00000103852	15	TTC23	99676528	rs56315393	15	99791339	C	A	0.476143	-0.000672	0.00810379	0.933914	-0.322857	0.0399347	6.24E-16	0.00208135	0.0251016	0.9339173	0.2747042	20	0.99132842
ENSG00000183060	15	LYSMD4	100255902	rs8030331	15	100274144	C	T	0.688867	-0.0020017	0.00878084	0.81968	-0.814148	0.0704924	7.43E-31	0.00245858	0.0107874	0.8197145	0.4851398	20	0.96687326
ENSG00000182397	15	DNM1P46	100330361	rs11855419	15	100327480	T	C	0.297217	0.0043911	0.00889327	0.62148	-0.744421	0.0872256	1.41E-17	-0.0058987	0.0119665	0.6220613	0.6589294	20	0.91806699
ENSG00000259363	15	CTD-2054N24.2	100347228	rs1963944	15	100342212	C	T	0.531809	0.00740861	0.00816853	0.364423	-0.707474	0.0933249	3.44E-14	-0.0104719	0.0116284	0.367829	0.9972091	20	0.8352928
ENSG00000254744	15	CTD-3076O17.1	100510420	rs2727189	15	100500445	C	T	0.789264	0.00939391	0.00985955	0.340705	-0.626909	0.10547	2.78E-09	-0.0149845	0.015928	0.3468261	0.9484321	5	0.82999599
ENSG00000154227	15	CERS3	100940600	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.653752	0.096253	1.11E-11	0.00508275	0.0124558	0.6832271	0.4010842	14	0.93843252
ENSG00000270127	15	RP11-526I2.5	101087972	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.996223	0.0676951	5.06E-49	0.00333546	0.00816225	0.6828008	0.2338926	20	0.93827542
ENSG00000259205	15	PRKXP1	101093734	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.957097	0.0717068	1.23E-40	0.00347181	0.00849663	0.6828257	0.2277718	20	0.93827542
ENSG00000259658	15	RP11-89K11.1	102277302	rs1052887	15	102277480	C	G	0.225646	0.00968434	0.0100633	0.335875	0.744003	0.0877281	2.24E-17	0.0130165	0.0136127	0.3389682	0.0775232	20	0.82385654
ENSG00000185596	15	WASH3P	102501356	rs2203348	15	102366849	A	G	0.759443	0.0197164	0.00914337	0.0310556	-0.649911	0.0997851	7.36E-11	-0.0303371	0.0148197	0.04064999	0.5309476	9	0.50809144
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.894691	0.0868457	6.90E-25	0.0055393	0.0118162	0.639221	0.534385	15	0.92504719
ENSG00000226942	16	IL9RP3	79336	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.651097	0.0971213	2.03E-11	0.00761171	0.0162599	0.6396924	0.558194	6	0.92504719
ENSG00000161981	16	SNRNP25	103010	rs8052326	16	92572	A	T	0.157058	0.00116925	0.0134854	0.930906	-0.364981	0.051059	8.79E-13	-0.0032036	0.0369509	0.9309112	0.7988029	8	0.99028595
ENSG00000103148	16	NPRL3	134273	rs2562164	16	176743	G	A	0.345924	0.002176	0.00823189	0.79152	-0.567435	0.0545089	2.23E-25	-0.0038348	0.0145119	0.7915852	0.2158585	20	0.96351947
ENSG00000268836	16	LA16c-OS12.2	235747	rs12917880	16	266250	T	C	0.460239	0.0151652	0.00813329	0.0622386	0.558324	0.0759093	1.91E-13	0.027162	0.0150281	0.0706983	0.6866109	20	0.58502041
ENSG00000076344	16	RGS11	318300	rs3743881	16	326040	T	A	0.472167	0.0119918	0.00808971	0.138247	-0.370853	0.0519408	9.34E-13	-0.0323357	0.022279	0.146668	0.6175391	5	0.70919091
ENSG00000086504	16	MRPL28	417384	rs11640037	16	423842	A	C	0.512922	0.018826	0.00808818	0.0199338	-0.251644	0.0338766	1.10E-13	-0.074812	0.0336823	0.02634363	0.1094943	20	0.44645761
ENSG00000129925	16	TMEM8A	420773	rs3830160	16	419092	G	A	0.548708	0.0167279	0.00817102	0.0406359	-0.591759	0.0576258	9.72E-25	-0.0282681	0.0140797	0.04467368	0.3568372	20	0.52029162
ENSG00000242612	16	DECR2	451826	rs3743890	16	456416	G	T	0.531809	-0.0119872	0.00811066	0.139419	-0.571143	0.0654714	2.70E-18	0.0209881	0.0144031	0.1450637	0.2242748	20	0.70919091
ENSG00000007541	16	PIGQ	616995	rs1045277	16	633125	C	T	0.432406	0.0216052	0.00804611	0.0072492	-0.354678	0.0415697	1.44E-17	-0.060915	0.0237826	0.01042737	0.4035769	20	0.3241739
ENSG00000127578	16	WFIKKN1	679239	rs35915772	16	679274	A	G	0.254473	0.0232637	0.00860796	0.0068805	0.999512	0.0698767	2.07E-46	0.0232751	0.00876453	0.00791685	0.2633133	20	0.29200804
ENSG00000162004	16	CCDC78	772582	rs4984921	16	774520	T	C	0.468191	0.00502263	0.0082422	0.542273	-0.258896	0.0386866	2.20E-11	-0.0194002	0.0319677	0.5439379	0.9581369	5	0.88843971
ENSG00000103245	16	NARFL	779753	rs2071951	16	783004	C	T	0.240557	-0.0005454	0.00866336	0.949806	0.494984	0.0646643	1.94E-14	-0.0011018	0.0175029	0.9498076	0.5019467	8	0.99289521
ENSG00000162006	16	MSLNL	819428	rs3765327	16	819719	C	T	0.186879	-0.0156171	0.0104238	0.134076	-0.683862	0.0829298	1.63E-16	0.0228366	0.0154921	0.140459	0.9136706	20	0.70248585
ENSG00000103227	16	LMF1	903634	rs4984622	16	1010067	C	A	0.135189	-0.0118879	0.0152546	0.435805	0.622296	0.0773969	8.96E-16	-0.0191033	0.0246283	0.4379471	0.6519346	20	0.86824012
ENSG00000260316	16	LA16c-306A4.2	950520	rs7187700	16	1012750	A	G	0.241551	0.00287893	0.00918181	0.753866	-0.38487	0.0647231	2.74E-09	-0.0074803	0.0238901	0.7541955	0.1880594	13	0.95746217
ENSG00000260807	16	RP11-161M6.2	1025761	rs12927041	16	1017060	A	G	0.135189	-0.0122416	0.0152526	0.422213	-0.506712	0.0559854	1.42E-19	0.0241589	0.0302192	0.4240272	0.4888046	20	0.86364609
ENSG00000197253	16	TPSB2	1277272	rs2745145	16	1277472	G	A	0.737575	0.00486401	0.00979518	0.619491	-0.942189	0.0921314	1.51E-24	-0.0051625	0.0104084	0.6199033	0.7898982	20	0.91768182
ENSG00000172236	16	TPSAB1	1290697	rs62012914	16	1299328	G	A	0.619284	-0.0014113	0.00906186	0.876241	0.604309	0.103298	4.91E-09	-0.0023353	0.0150007	0.8762844	0.6932213	7	0.97700295
ENSG00000095917	16	TPSD1	1306060	rs2745084	16	1294025	G	A	0.513917	0.00219709	0.00841346	0.793984	0.641327	0.0846707	3.61E-14	0.00342585	0.0131266	0.7941042	0.5249008	14	0.96351947
ENSG00000260182	16	RP11-616M22.5	1307340	rs143547788	16	1280087	C	G	0.478131	0.00334249	0.00829572	0.687008	0.567735	0.0842995	1.64E-11	0.00588741	0.0146381	0.6875381	0.5633542	9	0.93988406
ENSG00000007516	16	BAIAP3	1383602	rs4984814	16	1385650	C	A	0.457256	0.00802672	0.00808235	0.320654	0.514027	0.0646349	1.82E-15	0.0156154	0.0158457	0.3243967	0.5707642	16	0.81251095
ENSG00000197599	16	CCDC154	1484384	rs2896164	16	1468977	T	C	0.887674	-0.0240145	0.0152932	0.116351	-0.994232	0.092	3.19E-27	0.0241538	0.0155435	0.1201953	0.01284135	20	0.6716696
ENSG00000100726	16	TELO2	1543345	rs2745107	16	1542406	C	T	0.38668	0.00974579	0.00809582	0.228665	-0.279411	0.0463238	1.62E-09	-0.0348798	0.029546	0.2377921	0.2641871	5	0.76866335
ENSG00000206053	16	HN1L	1728257	rs113571946	16	1728147	G	A	0.209742	0.0094894	0.0119051	0.425401	0.521466	0.0653529	1.47E-15	0.0181975	0.0229437	0.4276966	0.8109788	6	0.86512923
ENSG00000197774	16	EME2	1823208	rs1178434	16	1830551	G	C	0.590457	0.00642674	0.00807422	0.426056	-0.467776	0.0506401	2.53E-20	-0.0137389	0.0173248	0.4277665	0.6700981	20	0.86512923
ENSG00000095906	16	NUBP2	1832902	rs1065656	16	1838836	G	C	0.675944	0.00628068	0.00816973	0.442027	0.222403	0.0386177	8.46E-09	0.0282401	0.0370597	0.4460509	0.8027081	6	0.86824012
ENSG00000063854	16	HAGH	1845621	rs12325217	16	1887108	T	A	0.313121	-0.0062397	0.00826981	0.450542	0.336308	0.0357174	4.69E-21	-0.0185535	0.0246688	0.4519896	0.8894332	20	0.86824012
ENSG00000180185	16	FAHD1	1876968	rs62038428	16	1892549	G	A	0.180915	-0.000731	0.00930303	0.937372	1.02425	0.0705812	1.02E-47	-0.0007137	0.00908291	0.937373	0.5121198	17	0.99132842
ENSG00000162039	16	MEIOB	1883984	rs2516314	16	1860431	C	G	0.833996	0.00240667	0.00984255	0.806831	0.774348	0.10004	9.91E-15	0.003108	0.0127171	0.8069249	0.3669872	19	0.96552943
ENSG00000255513	16	AC005363.9	2013746	rs72764893	16	2013756	C	T	0.130219	-0.0005729	0.0118637	0.961482	0.975866	0.0993963	9.43E-23	-0.0005871	0.0121572	0.9614826	0.5868941	13	0.99428844
ENSG00000255198	16	SNHG9	2014960	rs2302176	16	2014954	T	C	0.549702	0.00022781	0.00807372	0.97749	0.408858	0.0566767	5.44E-13	0.00055718	0.0197472	0.97749	0.5912541	5	0.99453968
ENSG00000127554	16	GFER	2034208	rs72766625	16	2046432	A	G	0.182903	0.00418035	0.00981441	0.670152	0.568069	0.076605	1.21E-13	0.00735888	0.0173053	0.6706624	0.9959705	17	0.93322639
ENSG00000167965	16	MLST8	2254249	rs27381	16	2239402	T	C	0.412525	-0.0091295	0.00810515	0.260006	0.397196	0.0449175	9.34E-19	-0.0229848	0.0205708	0.2638449	0.319785	20	0.78131464
ENSG00000182685	16	BRICD5	2259254	rs26857	16	2260567	T	C	0.470179	-0.008851	0.00824383	0.282977	-0.249426	0.0366047	9.49E-12	0.0354856	0.033459	0.2888846	0.3769453	18	0.79708722
ENSG00000260778	16	MIR940	2318156	rs12599229	16	2323394	A	G	0.400596	-0.0113421	0.0082307	0.168197	0.567622	0.0649337	2.30E-18	-0.0199818	0.0146794	0.173446	0.4246144	7	0.72148239
ENSG00000261613	16	RP11-20I23.13	2604061	rs4785898	16	2716142	A	G	0.260437	0.00710618	0.00917356	0.438554	1.20785	0.111621	2.74E-27	0.00588333	0.00761439	0.4397237	0.3812838	13	0.86824012
ENSG00000260565	16	ERVK13-1	2710350	rs11648529	16	2725256	G	A	0.413519	0.00782258	0.00846913	0.355664	-0.788166	0.0633491	1.55E-35	-0.009925	0.0107749	0.3569861	0.4750739	13	0.83410235
ENSG00000172460	16	PRSS30P	2889569	rs17659759	16	2892961	G	A	0.297217	0.00549928	0.00954634	0.564574	-0.530523	0.0923149	9.09E-09	-0.0103658	0.0180844	0.5665166	0.8308165	6	0.89501905
ENSG00000263280	16	LA16c-325D7.2	2916349	rs886287	16	2916791	C	G	0.409543	0.00287241	0.00858827	0.738035	0.699186	0.0857933	3.65E-16	0.00410822	0.0122936	0.7382467	0.4500412	11	0.95012932
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.852894	0.0581441	1.02E-48	0.00962695	0.00962878	0.3174024	0.3432193	20	0.80963732
ENSG00000272079	16	LA16c-380H5.5	3056121	rs12917920	16	3054088	C	G	0.614314	-0.0098243	0.00819744	0.230739	0.839274	0.0743592	1.53E-29	-0.0117057	0.00982221	0.2333563	0.7364797	20	0.76566394
ENSG00000213937	16	CLDN9	3062457	rs984539	16	3049424	C	A	0.616302	-0.0103353	0.00815214	0.204871	0.390486	0.05779	1.41E-11	-0.0264678	0.0212412	0.212743	0.5971447	12	0.74886006
ENSG00000008517	16	IL32	3115298	rs45499297	16	3115272	C	T	0.112326	0.00804293	0.0190773	0.673319	-0.773017	0.0902469	1.08E-17	-0.0104046	0.0247089	0.6736915	0.7999541	7	0.93469731
ENSG00000263072	16	RP11-473M20.14	3166043	rs11649450	16	3181996	A	G	0.374751	0.0164587	0.00855509	0.0543726	0.743441	0.0762514	1.85E-22	0.0221385	0.0117293	0.05909912	0.3162333	20	0.55397205
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	1.04875	0.0966771	2.04E-27	0.017707	0.0134525	0.1880879	3.90E-05	20	0.73459898
ENSG00000167984	16	NLRC3	3589033	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	-1.08448	0.120756	2.69E-19	-0.0171236	0.0130532	0.189577	0.00049956	20	0.73499176
ENSG00000126602	16	TRAP1	3701640	rs4786429	16	3728517	T	C	0.715706	0.00050418	0.00957198	0.957993	0.399392	0.0523926	2.48E-14	0.00126236	0.023967	0.9579942	0.02710363	7	0.99428844
ENSG00000217930	16	PAM16	4381550	rs740018	16	4389863	A	G	0.0596421	-0.0014866	0.0193888	0.938882	-0.302633	0.0555123	4.99E-08	0.00491235	0.0640734	0.938888	0.3070203	4	0.99132842
ENSG00000262246	16	CORO7	4404543	rs11076830	16	4460049	G	A	0.751491	0.00271705	0.009182	0.767298	0.349392	0.040239	3.86E-18	0.00777651	0.0262952	0.7674296	0.5730558	20	0.96074603
ENSG00000153406	16	NMRAL1	4511681	rs4785968	16	4535307	A	T	0.709742	0.00087514	0.0092471	0.924601	-0.448103	0.0558982	1.09E-15	-0.001953	0.0206375	0.9246065	0.2532487	13	0.98793237
ENSG00000102858	16	MGRN1	4666494	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	0.79241	0.0532974	5.34E-50	0.00667147	0.0103651	0.5198051	0.2449181	20	0.88027463
ENSG00000103199	16	ZNF500	4798240	rs3747603	16	4808523	C	A	0.622266	0.0150045	0.00837674	0.0732588	-0.54014	0.0682106	2.40E-15	-0.0277789	0.0159003	0.08062488	0.3320351	20	0.60868991
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.768068	0.0716243	7.89E-27	0.00515336	0.0106062	0.6270503	0.09587669	20	0.91838156
ENSG00000267795	16	SMIM22	4838398	rs56400014	16	4846533	A	G	0.5	0.0040816	0.00813853	0.616009	0.480018	0.0806191	2.61E-09	0.00850301	0.0170147	0.6172539	0.1371272	10	0.91621627
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	0.926562	0.0893308	3.32E-25	-0.0224308	0.0111836	0.04488954	0.01188874	20	0.52029162
ENSG00000067836	16	ROGDI	4846969	rs56400014	16	4846533	A	G	0.5	0.0040816	0.00813853	0.616009	-0.357081	0.0396806	2.28E-19	-0.0114305	0.0228272	0.6165551	0.08613611	20	0.91614483
ENSG00000267072	16	RP11-165E7.1	5060910	rs17137544	16	5092904	G	C	0.230616	0.00307467	0.0100909	0.760596	0.454655	0.065529	3.97E-12	0.00676264	0.022216	0.7608202	0.953823	6	0.95964323
ENSG00000103174	16	NAGPA	5074845	rs2302555	16	5056122	T	C	0.43837	-0.0098127	0.00826174	0.234941	0.261455	0.0475779	3.90E-08	-0.0375311	0.0323287	0.2456738	0.4013366	10	0.76959804
ENSG00000067365	16	METTL22	8715540	rs62019678	16	8716609	C	T	0.128231	0.0127325	0.0150415	0.397278	-0.660313	0.11143	3.11E-09	-0.0192825	0.0230106	0.4020393	0.6009563	12	0.85349175
ENSG00000183454	16	GRIN2A	9852376	rs12932206	16	10066021	G	A	0.406561	6.63E-05	0.00831362	0.99364	0.264478	0.0373219	1.38E-12	0.00025057	0.0314341	0.9936399	0.282106	20	0.99818905
ENSG00000166669	16	ATF7IP2	10420291	rs35097077	16	10499266	T	C	0.131213	0.0166352	0.0112834	0.140397	0.420371	0.0746393	1.78E-08	0.0395727	0.0277459	0.153796	0.5810376	5	0.71396894
ENSG00000175643	16	RMI2	11343476	rs12149160	16	11439303	T	G	0.519881	-0.0031603	0.00813255	0.697572	-0.624309	0.0529943	4.91E-32	0.00506209	0.0130336	0.6977283	0.09749648	20	0.94407029
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.22157	0.0773827	3.88E-56	0.0045114	0.00661511	0.4952488	0.05751245	20	0.87805165
ENSG00000048462	16	TNFRSF17	12058964	rs11570139	16	12059038	T	C	0.27833	-0.0011244	0.00975972	0.908279	-0.683005	0.0834804	2.80E-16	0.00164628	0.0142908	0.9082875	0.1272159	8	0.985717
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.700022	0.079886	1.91E-18	0.0256576	0.0120602	0.03338227	0.5580995	20	0.48476334
ENSG00000085721	16	RRN3	15153879	rs151262004	16	15226880	A	G	0.127237	-0.008999	0.0118858	0.448977	0.49778	0.0837149	2.75E-09	-0.0180782	0.0240704	0.4526183	0.9433372	5	0.86824012
ENSG00000260735	16	RP11-72I8.1	15188268	rs2941262	16	15220753	C	G	0.682903	-0.0033228	0.00890398	0.709014	-0.55632	0.0818877	1.09E-11	0.00597282	0.0160293	0.7094315	0.00695192	20	0.94504139
ENSG00000188599	16	NPIPP1	15198178	rs4140665	16	15381715	G	A	0.755467	-0.018583	0.00938405	0.0476727	-0.539426	0.063122	1.28E-17	0.0344496	0.0178573	0.05371131	0.2995256	20	0.54679043
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	0.92293	0.0905044	2.03E-24	-0.0194607	0.00907662	0.03202883	0.2278615	20	0.48327225
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.388836	0.0447145	3.44E-18	-0.003976	0.0236515	0.8664989	0.2370038	20	0.97675342
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.875147	0.0697261	3.91E-36	0.00176657	0.0105076	0.866486	0.3884915	20	0.97675342
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-1.00407	0.087832	2.90E-30	-0.0158441	0.0108608	0.1446089	0.7607727	16	0.70919091
ENSG00000227827	16	RP11-958N24.2	16450081	rs62030357	16	16306192	T	G	0.201789	0.0128319	0.012515	0.305209	0.956175	0.117368	3.74E-16	0.01342	0.0131919	0.3090124	0.3489769	7	0.80584798
ENSG00000167186	16	COQ7	19078921	rs9930509	16	19013748	G	A	0.912525	-0.023282	0.0210885	0.269586	-0.527076	0.0917923	9.35E-09	0.044172	0.0407432	0.2782953	0.5402822	6	0.79306676
ENSG00000103550	16	KNOP1	19714902	rs3829539	16	19722366	C	T	0.16004	0.0277758	0.011499	0.0157138	1.27147	0.090808	1.52E-44	0.0218454	0.00917745	0.01729686	0.04218019	20	0.36014927
ENSG00000261195	16	CTD-2380F24.1	19772494	rs4780823	16	19735900	G	C	0.162028	0.0219748	0.0115209	0.0564716	-0.679976	0.0682565	2.23E-23	-0.032317	0.0172509	0.06101906	0.02380863	19	0.5583788
ENSG00000103316	16	CRYM	21250195	rs62033397	16	21230486	G	C	0.38668	0.0104326	0.0081063	0.198103	-0.356932	0.0482671	1.41E-13	-0.0292285	0.0230524	0.2048279	0.6049947	5	0.74217028
ENSG00000260306	16	RP11-645C24.5	21805416	rs35478288	16	21825731	G	A	0.196819	-0.0374162	0.0090835	3.80E-05	-0.678219	0.0807327	4.43E-17	0.0551683	0.0149165	0.0002169	0.04259787	17	0.14181164
ENSG00000103356	16	EARS2	23533335	rs9924663	16	23564198	C	T	0.849901	0.0100712	0.0098025	0.304229	0.624921	0.0658367	2.27E-21	0.016116	0.0157776	0.3070435	0.156704	20	0.80584798
ENSG00000262700	16	RP11-266L9.3	25104708	rs7498466	16	25091410	A	G	0.592445	0.00340005	0.00825807	0.680542	0.542491	0.0863108	3.27E-10	0.00626748	0.0152551	0.6811869	0.5814485	8	0.93780632
ENSG00000259954	16	IL21R-AS1	27458990	rs232073	16	27513859	G	A	0.161034	0.0326037	0.0118934	0.00611913	-1.03589	0.0820152	1.43E-36	-0.0314741	0.0117486	0.00738524	0.1608203	20	0.28385138
ENSG00000261329	16	CTD-2049O4.1	27690261	rs61734902	16	27761040	T	C	0.082505	-0.0054148	0.0137081	0.692842	-0.625401	0.0870739	6.85E-13	0.00865804	0.021952	0.6932801	0.7057788	5	0.94155906
ENSG00000198156	16	NPIPB6	28353876	rs28472312	16	28826049	T	C	0.663022	-0.010514	0.00822872	0.201347	0.393247	0.067953	7.16E-09	-0.0267364	0.021429	0.2121516	0.7727348	6	0.74886006
ENSG00000197165	16	SULT1A2	28603264	rs62034350	16	28562256	G	A	0.316103	-0.0096751	0.00811566	0.2332	0.796362	0.0964193	1.46E-16	-0.0121492	0.0102965	0.2380285	0.9609643	20	0.76866335
ENSG00000196502	16	SULT1A1	28616903	rs62034350	16	28562256	G	A	0.316103	-0.0096751	0.00811566	0.2332	-0.527769	0.0886991	2.68E-09	0.0183321	0.0156829	0.2424337	0.9734134	13	0.76866335
ENSG00000196993	16	NPIPB9	28763108	rs2726034	16	28336882	C	T	0.263419	-0.0060484	0.00868436	0.486134	-0.678052	0.10384	6.59E-11	0.00892026	0.0128805	0.4885969	0.7470681	20	0.87805165
ENSG00000251417	16	RP11-1348G14.4	28814097	rs8062405	16	28837906	G	A	0.328032	-0.0089316	0.00817827	0.274785	-0.45948	0.0816763	1.85E-08	0.0194384	0.0181313	0.2836775	0.9269027	10	0.79552497
ENSG00000178952	16	TUFM	28853732	rs62036621	16	28833299	A	C	0.331014	-0.0107091	0.00818112	0.190534	0.241602	0.036233	2.59E-11	-0.0443254	0.0345083	0.1989723	0.878964	20	0.74217028
ENSG00000260953	16	RP11-426C22.6	29273594	rs11865661	16	29296666	T	C	0.378728	0.00480233	0.00833885	0.564685	-0.649923	0.0766413	2.25E-17	-0.0073891	0.0128601	0.5655788	0.4930196	20	0.89490663
ENSG00000254634	16	RP11-231C14.3	29437121	rs4788408	16	30340674	G	A	0.431412	-0.0108318	0.00826638	0.19008	-0.441549	0.0769068	9.39E-09	0.0245314	0.0192027	0.2014276	0.2193589	5	0.74217028
ENSG00000103485	16	QPRT	29674600	rs8058049	16	29684572	A	G	0.392644	0.0142452	0.00816839	0.0811708	-0.286514	0.0411703	3.42E-12	-0.049719	0.0293911	0.09071544	0.5556332	5	0.63306891
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.626109	0.0845796	1.34E-13	0.0166265	0.0143563	0.2468109	0.3717719	10	0.76959804
ENSG00000149922	16	TBX6	30097114	rs3809627	16	30103160	A	C	0.416501	0.0231229	0.00805391	0.00409157	-0.413086	0.0547596	4.57E-14	-0.055976	0.0208612	0.00729096	0.3995507	10	0.28385138
ENSG00000102886	16	GDPD3	30116131	rs8061772	16	30119525	A	C	0.857853	-0.0106478	0.0113307	0.347357	0.456403	0.0722916	2.73E-10	-0.0233298	0.0250996	0.3526353	0.1186363	5	0.83394496
ENSG00000183604	16	RP11-347C12.2	30234230	rs11645581	16	30351624	C	T	0.329026	-0.0006886	0.00862767	0.936387	0.536131	0.0905499	3.20E-09	-0.0012844	0.0160939	0.9363932	0.08236268	14	0.99132842
ENSG00000180096	16	1-Sep	30389454	rs12930787	16	30381303	G	C	0.327038	-0.0004027	0.00864551	0.962851	-0.437541	0.0658041	2.95E-11	0.00092032	0.0197598	0.9628516	0.02688305	11	0.99428844
ENSG00000196118	16	C16orf93	30768744	rs3747486	16	30786927	T	C	0.277336	-0.0103679	0.00931918	0.265908	-0.369071	0.0578391	1.76E-10	0.0280919	0.0256313	0.2730788	0.1765883	12	0.78929673
ENSG00000260911	16	RP11-196G11.2	31054471	rs17839567	16	31057945	G	A	0.368787	-0.004301	0.00824063	0.601725	0.350362	0.0563874	5.18E-10	-0.0122758	0.0236032	0.6030011	0.8542263	9	0.91175328
ENSG00000103510	16	KAT8	31127075	rs59735493	16	31133100	A	G	0.296223	-0.0085891	0.00858834	0.317269	0.349202	0.0574824	1.24E-09	-0.0245963	0.0249252	0.3237394	0.9396819	11	0.81220575
ENSG00000178226	16	PRSS36	31150246	rs1549299	16	31154146	A	G	0.697813	0.00992255	0.00860795	0.249026	-0.654416	0.063989	1.50E-24	-0.0151624	0.0132369	0.2520161	0.6674416	6	0.77138636
ENSG00000177238	16	TRIM72	31225342	rs2735393	16	31196105	C	T	0.308151	0.00518999	0.00828761	0.531161	-0.467441	0.0730396	1.56E-10	-0.011103	0.0178144	0.5331149	0.4802725	7	0.88643447
ENSG00000155393	16	HEATR3	50099852	rs12923219	16	50052216	A	G	0.696819	-0.0015719	0.00938692	0.86701	0.699084	0.0654118	1.17E-26	-0.0022485	0.0134291	0.8670263	0.02573122	20	0.97700295
ENSG00000103479	16	RBL2	53467889	rs1072911	16	53499725	C	T	0.466203	0.00121661	0.0084037	0.884892	-0.408637	0.0377502	2.63E-27	-0.0029772	0.020567	0.8849021	0.6502597	20	0.97920911
ENSG00000245694	16	CRNDE	54952775	rs113682012	16	54944649	T	C	0.195825	0.00862778	0.00958559	0.368079	0.539269	0.0773818	3.19E-12	0.015999	0.0179228	0.3720374	0.9171985	16	0.83748989
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	0.899615	0.112306	1.14E-15	-0.0092167	0.0122573	0.4520925	0.671399	10	0.86824012
ENSG00000159461	16	AMFR	56395364	rs13331718	16	56457704	C	T	0.207753	-0.0006104	0.0106412	0.954257	0.346832	0.059688	6.22E-09	-0.0017599	0.0306826	0.9542596	0.3620277	3	0.99428844
ENSG00000125124	16	BBS2	56500748	rs12446809	16	56575448	T	C	0.557654	0.0021425	0.00836966	0.797963	0.250167	0.0458339	4.81E-08	0.00856428	0.0334931	0.7981801	0.3760417	6	0.96389019
ENSG00000169715	16	MT1E	56659387	rs1610215	16	56659525	G	C	0.548708	-0.0160147	0.00812368	0.0486833	0.397189	0.0486168	3.09E-16	-0.0403201	0.0210399	0.05531937	0.722469	4	0.54799703
ENSG00000140848	16	CPNE2	57126449	rs72775201	16	57128745	A	G	0.106362	0.0159864	0.0114955	0.164328	-0.397835	0.0675804	3.94E-09	-0.0401835	0.0296905	0.1759233	0.04052061	8	0.72148239
ENSG00000260186	16	RP11-481J2.2	58455230	rs4784938	16	58467853	A	G	0.746521	-0.0147631	0.00918996	0.108178	0.613865	0.050325	3.19E-34	-0.0240494	0.0150999	0.1112308	0.4661921	16	0.66474129
ENSG00000260115	16	CTC-420A11.2	61952225	rs2897818	16	61950391	T	C	0.0695825	0.0179356	0.0161795	0.26763	1.02625	0.16857	1.14E-09	0.0174768	0.0160249	0.2754462	0.5299293	3	0.79054752
ENSG00000261502	16	RP11-96H17.1	63090690	rs588037	16	63024140	A	G	0.301193	0.00040018	0.008744	0.963497	-0.47352	0.0714931	3.51E-11	-0.0008451	0.0184664	0.9634977	0.8705448	20	0.99428844
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.828749	0.0719459	1.06E-30	-0.0176382	0.0102493	0.08526592	0.3131091	20	0.62176719
ENSG00000132600	16	PRMT7	68344877	rs12924125	16	68299781	C	T	0.549702	-0.0007524	0.00810522	0.926043	-0.352319	0.0470671	7.13E-14	0.00213547	0.0230071	0.9260485	0.1810458	20	0.98793237
ENSG00000062038	16	CDH3	68670092	rs1177648	16	68598007	G	A	0.567594	0.0149805	0.00834406	0.0725972	-0.320607	0.0549287	5.32E-09	-0.0467254	0.0272292	0.08616107	0.7259583	9	0.62176719
ENSG00000039068	16	CDH1	68771128	rs3118233	16	68733646	C	G	0.281312	-0.0159337	0.00959558	0.09681	0.355307	0.0514179	4.84E-12	-0.0448449	0.0277752	0.1064054	0.1959769	17	0.65763337
ENSG00000141076	16	CIRH1A	69165194	rs79141311	16	69417047	T	C	0.0308151	0.0475852	0.0245356	0.0524493	-0.920633	0.102114	1.95E-19	-0.0516875	0.0272604	0.05795196	0.3817926	18	0.55393262
ENSG00000132612	16	VPS4A	69345259	rs13332309	16	69351659	G	A	0.232604	0.00889205	0.00945247	0.346853	0.320531	0.0445701	6.40E-13	0.0277416	0.0297413	0.350941	0.3628382	12	0.83252985
ENSG00000157322	16	CLEC18A	69984810	rs2270843	16	69973127	G	A	0.398608	-0.0061588	0.00808477	0.446195	-0.920006	0.0833823	2.63E-28	0.00669426	0.00880866	0.4472761	0.0744263	20	0.86824012
ENSG00000226232	16	RP11-419C5.2	70010291	rs3874545	16	70024547	T	G	0.377734	-0.0004413	0.00845209	0.958363	-0.885099	0.0719498	8.88E-35	0.00049855	0.0095494	0.9583636	0.114591	20	0.99428844

ENSG00000255185	16	PDXDC2P	70044654	rs936994	16	70442408	T	C	0.532803	-0.0241475	0.00822156	0.00331307	-0.518136	0.0546074	2.35E-21	0.0466046	0.0166104	0.00502	0.006185	20	0.28154605
ENSG00000261556	16	RP11-296I10.6	70253477	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.54232	0.0590817	4.34E-20	0.0445624	0.0159469	0.00519932	0.1082685	20	0.28154605
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.590378	0.0428497	3.46E-43	0.040935	0.0142663	0.00411326	0.0156777	20	0.26365177
ENSG00000103051	16	COG4	70514471	rs4265798	16	70636616	A	T	0.936382	-0.0013545	0.0177476	0.939163	-0.497366	0.0891859	2.45E-08	0.00272339	0.0356865	0.9391692	0.765383	6	0.99132842
ENSG00000102967	16	DHODH	72042487	rs3213422	16	72042682	C	A	0.49006	-0.0052152	0.00807601	0.518435	-0.520003	0.0721581	5.74E-13	0.0100291	0.0155929	0.5201058	0.00129582	20	0.88027463
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	0.940869	0.0755516	1.34E-35	0.00937112	0.0108837	0.3892235	0.04057528	20	0.84768263
ENSG00000168411	16	RFWD3	74655292	rs62054167	16	74565232	C	T	0.189861	-0.004403	0.0112695	0.696016	0.664304	0.0844776	3.73E-15	-0.006628	0.0169853	0.6963731	0.2864676	10	0.9434651
ENSG00000184517	16	ZFP1	75182390	rs12445784	16	75196208	G	A	0.0198807	0.0577172	0.0298824	0.0534244	-1.11175	0.12453	4.35E-19	-0.0519156	0.0275006	0.05905255	0.4356514	7	0.55397205
ENSG00000261783	16	RP11-252K23.2	75413716	rs4888377	16	75325686	G	C	0.666004	-0.0185358	0.00842381	0.0277779	-0.572227	0.0972419	3.99E-09	0.0323924	0.0157166	0.0393002	0.6915859	14	0.50579667
ENSG00000065457	16	ADAT1	75630879	rs2641801	16	75571249	T	C	0.297217	0.00402659	0.00841387	0.632247	0.629173	0.0695598	1.50E-19	0.00639981	0.0133916	0.6327233	0.04331641	20	0.92132404
ENSG00000152910	16	CNTNAP4	76311176	rs77492932	16	75982586	C	T	0.0129225	-0.0151319	0.0348797	0.664411	-1.01603	0.146701	4.33E-12	0.0148932	0.0343967	0.6650275	0.9163923	13	0.93322639
ENSG00000103111	16	MON1B	77224732	rs9924848	16	77245971	A	G	0.168986	-0.0036977	0.0143201	0.796239	-0.316022	0.0552977	1.10E-08	0.0117008	0.0453598	0.7964422	0.3305713	17	0.96357126
ENSG00000205078	16	SYCE1L	77233294	rs8398	16	77233338	T	C	0.260437	-0.0136137	0.00898869	0.129889	1.14935	0.0870655	8.66E-40	-0.0118447	0.00787197	0.1324099	0.1252075	20	0.6978893
ENSG00000140873	16	ADAMTS18	77281710	rs2562115	16	77394592	G	A	0.592445	0.00175468	0.00805877	0.827636	-1.04072	0.0864734	2.32E-33	-0.001686	0.00774472	0.827663	0.4177939	20	0.96861312
ENSG00000261707	16	RP11-264M12.2	77775365	rs4616296	16	77776876	C	A	0.470179	0.00536105	0.00805321	0.5056	-0.616897	0.107349	9.10E-09	-0.0086904	0.0131417	0.5084319	0.5933357	9	0.8783337
ENSG00000261390	16	RP11-345M22.2	79750622	rs11642836	16	79753625	A	G	0.405567	0.0131196	0.00849012	0.12228	-0.62457	0.0765346	3.33E-16	-0.0210058	0.0138351	0.1289393	0.5196237	12	0.68760615
ENSG00000260213	16	RP11-303E16.3	81050397	rs71400133	16	81050218	C	A	0.229622	-0.0036421	0.00866215	0.674149	-0.69341	0.0793359	2.33E-18	0.00525245	0.0125066	0.6745032	0.4861751	20	0.93469731
ENSG00000140905	16	GCSH	81115566	rs57876487	16	81129208	T	C	0.904573	-0.0016716	0.0116317	0.885728	0.427273	0.0601369	1.20E-12	-0.0039123	0.0272287	0.8857514	0.9505663	20	0.97920911
ENSG00000197943	16	PLCG2	81772702	rs67823242	16	81876369	C	G	0.33996	0.00880817	0.00822176	0.284024	1.00949	0.0877794	1.31E-30	0.00872537	0.00817973	0.2861048	0.3695836	20	0.79695678
ENSG00000135698	16	MPHOSPH6	82181403	rs1064208	16	82181977	C	T	0.635189	-0.0068373	0.00858782	0.425937	-0.402608	0.0622526	9.98E-11	0.0169825	0.0214915	0.4294119	0.6168016	12	0.86578195
ENSG00000260788	16	RP11-298D21.1	83754724	rs13332622	16	83776769	C	T	0.440358	-0.0055712	0.00808503	0.490773	0.284012	0.0490375	6.97E-09	-0.0196162	0.028668	0.4938149	0.1972366	7	0.87805165
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.563813	0.0522958	4.22E-27	-0.0049142	0.0143363	0.7317627	0.09805302	20	0.94884724
ENSG00000140955	16	ADAD2	84224744	rs11864916	16	84228305	G	C	0.311133	0.0160265	0.00881752	0.0691305	0.995996	0.0849362	9.33E-32	0.0160909	0.00895868	0.07247432	0.8989639	20	0.58788723
ENSG00000250685	16	RP11-486L19.2	84226164	rs11864916	16	84228305	G	C	0.311133	0.0160265	0.00881752	0.0691305	0.733829	0.0904008	4.76E-16	0.0218396	0.0123133	0.07611986	0.541041	16	0.59672859
ENSG00000135686	16	KLHL36	84682131	rs11149671	16	84693084	G	A	0.351889	0.00260392	0.00922751	0.777797	-0.352851	0.0487008	4.32E-13	-0.0073797	0.0261711	0.777961	0.6003236	12	0.96329762
ENSG00000270020	16	RP11-463O9.9	86553989	rs11642368	16	86568701	A	T	0.605368	0.00250925	0.00844594	0.766394	-0.867164	0.084662	1.28E-24	-0.0028936	0.00974382	0.766489	0.2652	20	0.96005533
ENSG00000226180	16	AC010536.1	87727144	rs13330114	16	87753143	T	C	0.472167	0.0103448	0.00828281	0.211684	0.485214	0.0726977	2.48E-11	0.0213201	0.0173667	0.2195823	0.7288348	14	0.75807011
ENSG00000104731	16	KLHDC4	87730091	rs55950332	16	87770469	A	G	0.457256	0.0100022	0.00829856	0.22809	0.358398	0.0516324	3.88E-12	0.0279081	0.0235011	0.235021	0.3531565	11	0.76664992
ENSG00000174990	16	CA5A	87921625	rs7498996	16	87919660	A	T	0.253479	0.00994028	0.0102392	0.331643	0.6141	0.0806509	2.65E-14	0.0161867	0.0168085	0.3355422	0.2852778	18	0.81908674
ENSG00000261744	16	RP11-21B21.4	88579368	rs12924015	16	88597693	G	C	0.0954274	-0.0103223	0.0123905	0.404799	-0.995087	0.165703	1.91E-09	0.0103733	0.0125709	0.4092697	0.3781638	5	0.85818002
ENSG00000051523	16	CYBA	88709691	rs13306296	16	88717957	A	G	0.343936	0.00939614	0.00859312	0.274197	-0.343337	0.043384	2.49E-15	-0.0273671	0.025266	0.2787378	0.821797	9	0.79306676
ENSG00000260630	16	SNAI3-AS1	88729706	rs11076696	16	88739988	T	G	0.28827	-0.0015451	0.00856631	0.856862	-0.377255	0.0512222	1.77E-13	0.00409566	0.0227138	0.8569041	0.05733055	16	0.976398
ENSG00000174177	16	CTU2	88772871	rs2290902	16	88782676	G	A	0.894632	-0.0140332	0.0122882	0.253451	0.397126	0.0688283	7.94E-09	-0.0353369	0.0315431	0.2625973	0.3466173	7	0.78131464
ENSG00000198931	16	APRT	88875747	rs8191469	16	88878357	T	G	0.055666	-0.053047	0.0206921	0.0103581	-0.580252	0.0913768	2.15E-10	0.0914206	0.038457	0.01744379	0.589382	6	0.36090981
ENSG00000141012	16	GALNS	88880142	rs28593144	16	88916044	C	T	0.0894632	-0.0291929	0.0155415	0.0603295	0.513589	0.0846945	1.33E-09	-0.056841	0.0316791	0.07276941	0.2869177	7	0.58871655
ENSG00000176715	16	ACSF3	89154783	rs34450472	16	89229372	C	T	0.251491	-0.01892	0.00863361	0.0284204	0.657641	0.0751025	2.01E-18	-0.0287695	0.013533	0.03351377	0.1972093	20	0.48476334
ENSG00000259803	16	SLC22A31	89262406	rs7202874	16	89264460	T	C	0.184891	-0.0111862	0.0113833	0.325762	0.82693	0.0941089	1.54E-18	-0.0135274	0.0138516	0.3287687	0.08186532	20	0.81680644
ENSG00000170100	16	ZNF778	89284118	rs117884871	16	89292039	A	G	0.0188867	0.0198618	0.0227373	0.382372	2.2374	0.264166	2.46E-17	0.00887718	0.0102163	0.3848884	0.3050096	9	0.84682194
ENSG00000167526	16	RPL13	89627065	rs2280370	16	89627460	G	T	0.16998	-0.0221776	0.0131278	0.0911486	-0.322681	0.0422439	2.20E-14	0.0687292	0.0416666	0.09904486	0.1581923	19	0.64834522
ENSG00000167523	16	SPATA33	89724210	rs62068364	16	89757199	T	C	0.303181	-0.0181848	0.0090841	0.0453033	0.307376	0.0530625	6.93E-09	-0.0591614	0.0312687	0.05848616	0.7840043	10	0.55397205
ENSG00000185324	16	CDK10	89747145	rs2075880	16	89755216	G	A	0.393638	-0.010308	0.00817028	0.207077	-0.273984	0.0481757	1.29E-08	0.0376226	0.0305452	0.2180604	0.1386142	20	0.75753395
ENSG00000260259	16	RP11-368I7.4	89749028	rs258321	16	89756473	G	A	0.45825	0.0145868	0.0083966	0.0823455	0.391262	0.0640331	9.94E-10	0.0372814	0.0223108	0.09472099	0.2110564	19	0.64643615
ENSG00000075399	16	VPS9D1	89773542	rs62068372	16	89785107	C	T	0.235586	-0.0036027	0.00999169	0.718421	0.318625	0.0532343	2.16E-09	-0.011307	0.0314156	0.7189091	0.7368626	20	0.94753093
ENSG00000261373	16	VPS9D1-AS1	89778264	rs34141697	16	89786121	T	A	0.235586	-0.0039108	0.00998636	0.695346	0.477982	0.0635175	5.26E-14	-0.0081818	0.020921	0.6957374	0.4875257	20	0.94339069
ENSG00000204991	16	SPIRE2	89884587	rs12709092	16	89797337	G	C	0.905567	0.0014292	0.0145388	0.921692	-0.342109	0.0618098	3.11E-08	-0.0041776	0.0425043	0.9217044	0.2767192	4	0.9878858
ENSG00000258839	16	MC1R	89978527	rs60862594	16	89978338	A	G	0.0805169	-0.0205502	0.0180433	0.254729	0.548174	0.0757215	4.51E-13	-0.0374885	0.0333201	0.260547	0.3686023	20	0.78131464
ENSG00000140995	16	DEF8	90014333	rs3803686	16	90020346	C	A	0.171968	-0.0106636	0.0114174	0.350314	-0.465676	0.064765	6.47E-13	0.0228992	0.0247239	0.3543437	0.4231368	20	0.83394496
ENSG00000141013	16	GAS8	90086037	rs12930631	16	90084157	A	G	0.247515	0.00954573	0.0100723	0.343272	-0.376515	0.0650873	7.26E-09	-0.0253529	0.027108	0.349658	0.4889385	4	0.83190102
ENSG00000181031	17	RPH3AL	62293	rs35292180	17	72161	A	G	0.274354	0.00088096	0.00871972	0.919526	0.880787	0.0762725	7.56E-31	0.00100019	0.0099003	0.9195294	0.9854773	17	0.98652232
ENSG00000187624	17	C17orf97	260118	rs11150882	17	259648	A	G	0.239563	0.0122993	0.00932997	0.187417	0.57228	0.0590684	3.38E-22	0.0214918	0.0164534	0.1914774	0.592149	11	0.73729295
ENSG00000183688	17	FAM101B	289769	rs2955626	17	618100	G	C	0.488072	0.0104863	0.00809006	0.194906	0.456158	0.0769329	3.04E-09	0.0229883	0.018154	0.205409	0.3660342	20	0.74217028
ENSG00000141252	17	VPS53	411908	rs72477027	17	438650	A	G	0.0218688	-0.009835	0.0260263	0.705515	0.809897	0.125956	1.28E-10	-0.0121435	0.0321908	0.7059984	0.9874108	20	0.94504139
ENSG00000167695	17	FAM57A	635652	rs2657621	17	635080	C	A	0.472167	0.0121618	0.008267	0.141258	0.543392	0.0606859	3.42E-19	0.0223813	0.0154177	0.146595	0.2161862	20	0.70919091
ENSG00000231784	17	DBIL5P	655900	rs2740345	17	667377	A	G	0.0337972	0.0197491	0.0229735	0.389985	1.63668	0.224549	3.13E-13	0.0120666	0.0141339	0.3932548	0.07409887	4	0.8477398
ENSG00000262133	17	RP11-676J12.6	781142	rs561811	17	781407	T	C	0.0785288	-0.003644	0.0119094	0.759621	-0.780284	0.127246	8.67E-10	0.00467012	0.0152819	0.7599105	0.3883758	4	0.95950074
ENSG00000177370	17	TIMM22	900357	rs333653	17	912768	A	G	0.477137	0.0129689	0.00814196	0.111196	-0.341802	0.0542667	3.00E-10	-0.0379427	0.0245706	0.1225319	0.2394336	8	0.67320467
ENSG00000167711	17	SERPINF2	1646130	rs2070862	17	1648294	T	C	0.223658	-0.0023051	0.00992405	0.816323	0.774073	0.0780247	3.38E-23	-0.0029779	0.0128241	0.816373	0.8595853	13	0.96552943
ENSG00000186532	17	SMYD4	1682779	rs11549830	17	1690752	A	G	0.343936	0.0144277	0.00820715	0.0787572	-0.600401	0.0834921	6.43E-13	-0.0240301	0.014072	0.08769991	0.5079782	3	0.62733262
ENSG00000132383	17	RPA1	1732996	rs112096788	17	1727493	T	C	0.0536779	-0.0095713	0.024749	0.698951	0.824127	0.124959	4.25E-11	-0.0116139	0.0300822	0.699443	0.3679419	12	0.94421269
ENSG00000167720	17	SRR	2206677	rs12450028	17	2207425	T	C	0.34493	0.0116548	0.00852691	0.17168	-0.578029	0.0627759	3.33E-20	-0.020163	0.0149133	0.1763718	0.08768326	20	0.72148239
ENSG00000167723	17	TRPV3	3413796	rs1810048	17	3434262	A	G	0.131213	0.0117516	0.00999964	0.239913	-0.815455	0.0834639	1.51E-22	-0.0144111	0.012351	0.2432945	0.04243652	14	0.76866335
ENSG00000196689	17	TRPV1	3468738	rs72816035	17	3433756	G	A	0.119284	0.0109485	0.0100853	0.277657	-0.398688	0.0721608	3.29E-08	-0.0274613	0.0257799	0.2867755	0.2271047	5	0.79695678
ENSG00000197417	17	SHPK	3511556	rs62069929	17	3515275	C	T	0.247515	0.0144782	0.00921876	0.116295	0.825408	0.0781365	4.39E-26	0.0175407	0.0112915	0.1203179	0.6121683	16	0.6716696
ENSG00000213977	17	TAX1BP3	3566196	rs1048682	17	3564779	T	C	0.228628	-0.0080025	0.0091676	0.382714	0.311897	0.0516821	1.59E-09	-0.0256574	0.0296989	0.3876339	0.4657867	6	0.84743529
ENSG00000074370	17	ATP2A3	3827169	rs1006703	17	3865399	T	C	0.149105	0.0024805	0.0135053	0.854273	0.485517	0.0855711	1.40E-08	0.00510899	0.0278309	0.8543489	0.9752265	4	0.9751629
ENSG00000161905	17	ALOX15	4534197	rs4790212	17	4554767	C	T	0.749503	-0.0109666	0.0105023	0.296386	-0.351807	0.0578653	1.20E-09	0.0311722	0.0302896	0.3034136	0.8168163	13	0.80442017
ENSG00000161921	17	CXCL16	4636821	rs78086290	17	4641370	T	A	0.558648	0.00234293	0.00807	0.771568	-0.204554	0.0362413	1.66E-08	-0.0114538	0.0395038	0.7718602	0.8425175	4	0.96074603
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-0.903948	0.113405	1.57E-15	0.0153898	0.0149428	0.30305	0.9046829	9	0.80442017
ENSG00000108556	17	CHRNE	4801069	rs75602583	17	4808761	C	G	0.0964215	-0.0200506	0.0117766	0.0886462	0.836859	0.121751	6.26E-12	-0.0239594	0.0144977	0.09840522	0.9532102	20	0.64834522
ENSG00000108515	17	ENO3	4851387	rs4790714	17	4852463	T	C	0.649105	0.00983862	0.00826339	0.2338	-0.428228	0.0637534	1.86E-11	-0.0229752	0.0195975	0.2410557	0.3260495	10	0.76866335
ENSG00000091640	17	SPAG7	4862521	rs16954304	17	4871518	C	T	0.082505	0.00772859	0.0134213	0.564718	0.474358	0.0738165	1.31E-10	0.0162927	0.028407	0.5662744	0.2304954	6	0.89501905
ENSG00000167840	17	ZNF232	5008836	rs113831399	17	4980987	G	A	0.0755467	-0.0334221	0.0234715	0.154462	1.07096	0.167612	1.66E-10	-0.0312076	0.022454	0.1645748	0.2527052	5	0.71666927
ENSG00000234327	17	AC012146.7	5014763	rs56197642	17	5018244	G	C	0.111332	-0.0080551	0.0103627	0.436972	-0.615544	0.0755351	3.67E-16	0.0130861	0.0169114	0.4390487	0.1990553	20	0.86824012
ENSG00000129204	17	USP6	5019733	rs2585266	17	5213391	T	C	0.084493	-0.0473447	0.0185167	0.0105619	1.32688	0.186203	1.03E-12	-0.0356812	0.0148262	0.01610031	0.9978695	5	0.3522782
ENSG00000108590	17	MED31	6546635	rs9913412	17	6558205	T	C	0.291252	0.00453422	0.00904802	0.616281	-0.465441	0.0595058	5.21E-15	-0.0097418	0.0194795	0.6170025	0.5814538	15	0.91621627
ENSG00000256806	17	AC004706.1	6555059	rs9908147	17	6563775	C	T	0.485089	0.00686659	0.00806407	0.39449	-0.351578	0.0482547	3.20E-13	-0.0195308	0.0230929	0.3976934	0.7510941	18	0.84924862
ENSG00000170291	17	ELP5	7154735	rs2521989	17	7161628	C	T	0.634195	-0.0069747	0.00848305	0.410966	-0.2819	0.0481976	4.95E-09	0.0247418	0.0303883	0.4155364	0.6340459	10	0.86117441
ENSG00000132507	17	EIF5A	7210318	rs11658072	17	7214824	T	C	0.607356	0.00970848	0.0089914	0.280252	-0.291367	0.0468404	4.96E-10	-0.0333205	0.0313208	0.2873996	0.02607536	8	0.79695678
ENSG00000170175	17	CHRNB1	7348380	rs60488855	17	7373595	C	T	0.183897	0.0065601	0.0111744	0.557161	0.396379	0.0556886	1.10E-12	0.0165501	0.0282869	0.558495	0.6575929	11	0.89377419
ENSG00000233223	17	AC113189.5	7485282	rs10852891	17	7490810	A	G	0.159046	-0.0076382	0.0135987	0.574333	-0.490156	0.0827675	3.18E-09	0.0155831	0.0278681	0.5760437	0.03272698	7	0.89957869
ENSG00000170037	17	CNTROB	7835419	rs12946706	17	7882666	C	T	0.45328	-0.014466	0.00812453	0.0749894	-0.31901	0.0542051	3.97E-09	0.0453465	0.026608	0.08833533	0.03366225	12	0.62775694
ENSG00000220205	17	VAMP2	8062467	rs8066513	17	8066441	T	C	0.656064	0.019614	0.00924797	0.0339305	0.341004	0.0426412	1.27E-15	0.0575184	0.0280574	0.04036176	0.2969234	20	0.50809144
ENSG00000178971	17	CTC1	8130191	rs3027235	17	8135446	A	G	0.0139165	-0.0063028	0.0466452	0.892515	0.975229	0.141451	5.41E-12	-0.0064629	0.0478392	0.8925353	0.9629311	8	0.98305185
ENSG00000178921	17	PFAS	8150936	rs6503094	17	8158273	G	A	0.828032	-0.0099213	0.0111062	0.37169	-0.347043	0.0588119	3.62E-09	0.0285881	0.032367	0.3771027	0.4870816	6	0.84031951
ENSG00000109047	17	RCVRN	9799637	rs4668	17	9814423	C	T	0.557654	-0.0113918	0.00812007	0.16064	-1.09098	0.0763915	2.86E-46	0.0104418	0.00747874	0.1626547	0.02062429	19	0.71666927
ENSG00000133028	17	SCO1	10583654	rs56363722	17	10576357	G	T	0.471173	0.0100636	0.00817403	0.218258	0.326103	0.0538383	1.39E-09	0.0308602	0.0255783	0.2276261	0.8371276	6	0.76373142
ENSG00000170222	17	ADPRM	10600911	rs2271227	17	10610022	G	A	0.465209	0.0108216	0.00813442	0.183406	0.426137	0.0721631	3.52E-09	0.0253947	0.0195672	0.1943491	0.9911661	9	0.74217028
ENSG00000187824	17	TMEM220	10602332	rs418557	17	10632975	T	C	0.474155	0.0115038	0.00812364	0.156749	-0.497584	0.0496553	1.24E-23	-0.0231193	0.0164884	0.1608681	0.9983231	14	0.71666927
ENSG00000006744	17	ELAC2	12895708	rs1044564	17	12895984	C	G	0.607356	0.00702664	0.00825115	0.394439	0.567068	0.0559959	4.20E-24	0.0123912	0.0146019	0.3961039	0.1614616	20	0.8485345
ENSG00000239704	17	CDRT4	15339332	rs9895529	17	15426521	A	G	0.581511	-0.0056842	0.00808397	0.481969	0.552912	0.0612184	1.69E-19	-0.0102804	0.014665	0.4832922	0.1818571	20	0.87638737
ENSG00000214946	17	TBC1D26	15635561	rs4471717	17	15621373	G	A	0.749503	-0.0198581	0.00878057	0.0237225	0.52794	0.0617685	1.26E-17	-0.0376143	0.0172041	0.02878992	0.4614262	20	0.46134436
ENSG00000233002	17	AC005324.6	15638337	rs55867746	17	15646836	G	C	0.225646	0.00112634	0.010183	0.911926	0.610255	0.0758837	8.84E-16	0.00184569	0.016688	0.911934	0.1095921	10	0.985717
ENSG00000179277	17	MEIS3P1	15689932	rs534861	17	15690793	C	T	0.303181	-0.0069952	0.00864396	0.418364	-0.353192	0.0584554	1.52E-09	0.0198058	0.0246924	0.4224947	0.3175668	7	0.86352515
ENSG00000214941	17	ZSWIM7	15879874	rs2286796	17	15884227	G	A	0.573559	-0.0013149	0.0082278	0.873027	-0.632232	0.0635019	2.37E-23	0.00207981	0.0130156	0.8730436	0.5299136	20	0.97700295
ENSG00000011295	17	TTC19	15902694	rs758853	17	15903602	A	C	0.529821	0.004205	0.008102	0.603755	0.306853	0.0403161	2.72E-14	0.0137036	0.0264648	0.6045942	0.372075	17	0.91214701
ENSG00000166582	17	CENPV	16245848	rs12603712	17	16245481	A	G	0.464215	0.00343096	0.00804944	0.669936	0.708619	0.0552808	1.29E-37	0.00484176	0.0113656	0.6701075	0.4108914	20	0.93322639
ENSG00000187688	17	TRPV2	16318856	rs3813769	17	16318932	C	T	0.33002	0.00655966	0.00903515	0.467829	-0.625028	0.075299	1.04E-16	-0.010495	0.0145108	0.4695236	0.82052	7	0.87345602
ENSG00000154803	17	FLCN	17115526	rs1708618	17	17131869	C	T	0.567594	-0.008569	0.00842558	0.309142	0.455024	0.0455614	1.74E-23	-0.018832	0.0186125	0.3116382	0.3749782	20	0.80584798
ENSG00000091542	17	ALKBH5	18086392	rs854805	17	18064969	A	G	0.393638	0.0113101	0.0081305	0.164202	0.367717	0.055521	3.52E-11	0.0307576	0.0225932	0.1733979	0.3456185	9	0.72148239
ENSG00000131899	17	LLGL1	18128901	rs11869582	17	18136581	A	G	0.220676	0.00044407	0.0102061	0.965295	-0.290385	0.0393194	1.52E-13	-0.0015292	0.0351474	0.9652957	0.4676207	20	0.99428844
ENSG00000176974	17	SHMT1	18231187	rs651234	17	18268941	C	T	0.616302	0.00425349	0.00848897	0.616328	0.342956	0.0545643	3.27E-10	0.0124024	0.0248309	0.617444	0.5378736	16	0.91621627
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.90491	0.0710038	3.34E-37	-0.0059722	0.00904072	0.5088738	0.8304159	20	0.8783337
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.00609	0.0740407	4.70E-42	-0.0053716	0.0081302	0.5088053	0.8123198	20	0.8783337
ENSG00000213077	17	FAM106A	18427880	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.560754	0.079653	1.92E-12	-0.0096376	0.0146339	0.5101651	0.8028855	9	0.8783337
ENSG00000171928	17	TVP23B	18684308	rs2472694	17	18848498	A	G	0.241551	-0.0045128	0.00896116	0.614548	0.374023	0.0580131	1.14E-10	-0.0120655	0.0240318	0.615624	0.2619328	20	0.91559366
ENSG00000141127	17	PRPSAP2	18743398	rs2892016	17	18786776	T	C	0.558648	0.00248926	0.00807943	0.758008	0.484779	0.0551349	1.46E-18	0.00513483	0.0166764	0.7581512	0.4404784	19	0.95888116
ENSG00000235979	17	AC004448.5	19342456	rs7220633	17	19367161	G	C	0.728628	-0.0001287	0.00835468	0.987713	-0.324484	0.0553043	4.43E-09	0.00039651	0.0257477	0.9877133	0.5397266	3	0.99624056
ENSG00000142494	17	SLC47A1	19398698	rs2453579	17	19435278	A	C	0.432406	1.96E-05	0.00893993	0.998252	0.515611	0.0924202	2.42E-08	3.80E-05	0.0173385	0.998252	0.5647366	9	0.99886311
ENSG00000228331	17	RPL17P43	19400256	rs2428584	17	19388305	T	C	0.77833	-0.0046318	0.00860555	0.59042	0.511258	0.0757579	1.49E-11	-0.0090595	0.0168856	0.591596	0.8934648	10	0.90646236
ENSG00000262681	17	RP11-311F12.1	19622372	rs2386143	17	19589975	C	T	0.56163	0.00774654	0.00805484	0.336188	-0.436169	0.0649439	1.87E-11	-0.0177604	0.0186556	0.34109	0.8387999	8	0.82655538
ENSG00000270091	17	RP11-78O7.2	19799903	rs12051844	17	20129698	T	C	0.171968	0.0203964	0.0115752	0.0780567	-0.353293	0.0635192	2.67E-08	-0.0577323	0.0343686	0.09299723	0.6964659	3	0.63867215
ENSG00000154898	17	CCDC144CP	20224477	rs75296798	17	20217375	A	G	0.102386	0.0168417	0.0135097	0.212529	0.611479	0.106048	8.11E-09	0.0275426	0.0226039	0.2230398	0.02625881	6	0.75840867
ENSG00000189423	17	USP32P3	20318860	rs75296798	17	20217375	A	G	0.102386	0.0168417	0.0135097	0.212529	0.407017	0.0736651	3.29E-08	0.0413784	0.0340263	0.2239588	0.07518463	4	0.75840867
ENSG00000230528	17	NOS2P3	20339650	rs2703817	17	20119677	G	T	0.573559	-0.0095408	0.00829087	0.249834	0.581891	0.0713723	3.55E-16	-0.0163961	0.0143894	0.2545111	0.01674072	20	0.77238055
ENSG00000205212	17	CCDC144NL	20739760	rs16962541	17	20801739	G	T	0.151093	-0.011694	0.0108892	0.28286	0.867978	0.146677	3.27E-09	-0.0134727	0.0127504	0.2906717	0.7875616	3	0.79910376
ENSG00000266369	17	RP11-344E13.4	20759259	rs16962541	17	20801739	G	T	0.151093	-0.011694	0.0108892	0.28286	0.965774	0.134398	6.67E-13	-0.0121084	0.0114003	0.2881844	0.9590872	5	0.79695678
ENSG00000233098	17	RP11-344E13.3	20771746	rs2958468	17	20728897	C	T	0.372763	0.00141391	0.00840461	0.866402	-0.597416	0.094227	2.30E-10	-0.0023667	0.0140732	0.8664487	0.1643495	7	0.97675342
ENSG00000007171	17	NOS2	26083792	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	-0.868214	0.0759295	2.81E-30	0.0112287	0.0113061	0.3206312	0.1738233	17	0.81006577
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.517234	0.0484984	1.48E-26	-0.0188482	0.0189887	0.320904	0.4099846	13	0.81006577
ENSG00000109084	17	TMEM97	26646121	rs241780	17	26628747	A	G	0.426441	-0.0022675	0.00810504	0.779654	-0.484455	0.062744	1.15E-14	0.0046806	0.0167412	0.7797954	0.2759464	16	0.96335446
ENSG00000004142	17	POLDIP2	26673659	rs2071379	17	26695832	G	A	0.578529	0.00424999	0.00810491	0.600019	0.296652	0.0393381	4.66E-14	0.0143265	0.0273872	0.6008983	0.5771974	8	0.91118981
ENSG00000244045	17	TMEM199	26684604	rs733914	17	26671196	G	C	0.499006	0.00323499	0.00809381	0.689387	0.505667	0.0701002	5.45E-13	0.00639747	0.0160308	0.6898381	0.7921908	7	0.94094425
ENSG00000109072	17	VTN	26691290	rs13339695	17	26708075	G	A	0.0795229	0.00161405	0.0123578	0.896083	0.590533	0.0822497	6.98E-13	0.00273321	0.02093	0.8961011	0.7504439	4	0.98333484
ENSG00000221995	17	TIAF1	27400537	rs869718	17	27423226	T	C	0.335984	0.00540987	0.00853682	0.52627	-0.402732	0.0579597	3.69E-12	-0.0134329	0.0212852	0.527981	0.2744047	11	0.88344574
ENSG00000108587	17	GOSR1	28804380	rs4794871	17	28713789	A	T	0.518887	-0.0061347	0.00805665	0.446389	-0.409158	0.0514792	1.90E-15	0.0149935	0.019781	0.4484637	0.2539127	20	0.86824012
ENSG00000264538	17	SUZ12P	29036317	rs9899268	17	29150255	C	T	0.107356	0.00391636	0.0142582	0.783567	-0.918608	0.0796266	8.64E-31	-0.0042634	0.0155259	0.7836263	0.9734495	11	0.96344804
ENSG00000266490	17	CTD-2349P21.9	29119390	rs7504112	17	29073773	C	T	0.275348	-0.0128973	0.0089406	0.149145	0.502312	0.0841153	2.35E-09	-0.0256759	0.0183108	0.160849	0.09616677	6	0.71666927
ENSG00000185158	17	LRRC37B	30334891	rs17182434	17	30380381	G	A	0.149105	-0.0174987	0.0120962	0.147999	0.670891	0.107934	5.11E-10	-0.0260828	0.0185119	0.1588435	0.4658393	10	0.71666927
ENSG00000141314	17	RHBDL3	30593195	rs57002890	17	30637371	C	T	0.629225	-0.0078066	0.00849388	0.358054	-0.449766	0.0658612	8.55E-12	0.0173569	0.0190554	0.3623654	0.4985841	10	0.8352928
ENSG00000176658	17	MYO1D	30819540	rs12950837	17	31149713	T	C	0.635189	-0.0090372	0.00895627	0.312957	0.187114	0.0338296	3.18E-08	-0.0482978	0.0486553	0.320879	0.1279385	6	0.81006577
ENSG00000132141	17	CCT6B	33254878	rs234811	17	33201866	C	A	0.375746	-0.0066906	0.00817969	0.413384	-0.387053	0.0615398	3.19E-10	0.017286	0.0213112	0.4172955	0.7051279	6	0.86117441
ENSG00000005156	17	LIG3	33307513	rs1003918	17	33332177	A	G	0.477137	-0.0013321	0.00812145	0.869715	-0.604107	0.0620947	2.27E-22	0.00220504	0.0134456	0.8697338	0.2701475	19	0.97700295
ENSG00000166750	17	SLFN5	33570055	rs11867191	17	33569114	C	T	0.505964	-0.0053822	0.00809226	0.505981	0.547055	0.0493526	1.49E-28	-0.0098386	0.014819	0.5067444	0.3807215	20	0.8783337
ENSG00000188895	17	MSL1	38278551	rs117827273	17	38279036	G	C	0.161034	-0.0138363	0.0108414	0.20187	-0.578518	0.0843038	6.78E-12	0.0239168	0.0190613	0.2095762	0.7378185	17	0.74658316
ENSG00000108244	17	KRT23	39078948	rs8070427	17	39093376	T	C	0.299205	-0.0003685	0.00910467	0.96772	0.695079	0.0846799	2.24E-16	-0.0005301	0.0130989	0.96772	0.4397776	18	0.99428844
ENSG00000173801	17	JUP	39775692	rs2353022	17	39944655	T	C	0.675944	-0.0030581	0.00828606	0.71208	0.302439	0.0449075	1.64E-11	-0.0101114	0.0274386	0.7124928	0.5941676	9	0.94634312
ENSG00000141698	17	NT5C3B	39981335	rs4458050	17	40051722	C	G	0.739563	-0.0076524	0.00854789	0.370663	-0.218971	0.0279124	4.33E-15	0.0349469	0.03929	0.373756	0.1972291	13	0.83748989
ENSG00000037042	17	TUBG2	40811323	rs4028634	17	40835649	C	T	0.574553	0.0102523	0.00836135	0.220143	-0.375654	0.0437895	9.60E-18	-0.0272919	0.0224843	0.2248174	0.5373049	16	0.75840867
ENSG00000198496	17	NBR2	41277627	rs33946455	17	41321846	T	C	0.359841	0.020176	0.00828931	0.0149341	-1.18567	0.0674817	4.16E-69	-0.0170165	0.00705801	0.01591082	0.6850569	20	0.3522782
ENSG00000161653	17	NAGS	42081914	rs3088347	17	42154331	T	C	0.205765	-0.0056175	0.00962861	0.559613	-0.524541	0.0890703	3.88E-09	0.0107094	0.0184461	0.5615266	0.7089965	4	0.89377419
ENSG00000141349	17	G6PC3	42148103	rs62078908	17	42134867	G	C	0.524851	0.0190212	0.00817507	0.0199797	-0.207379	0.0314018	4.00E-11	-0.0917219	0.041796	0.02819846	0.4484934	12	0.45492837
ENSG00000267080	17	ASB16-AS1	42253341	rs7214540	17	42256604	G	A	0.297217	-0.0264597	0.00865247	0.00222777	-0.444234	0.0687914	1.06E-10	0.0595625	0.0215508	0.00571293	0.5166198	9	0.28190919
ENSG00000260793	17	RP5-882C2.2	42298769	rs9893756	17	42321109	C	T	0.7167	0.0193751	0.00907919	0.032842	0.353593	0.0630522	2.05E-08	0.0547949	0.0274732	0.04609903	0.7093173	4	0.52621691
ENSG00000013306	17	SLC25A39	42396993	rs850719	17	42394461	G	A	0.630219	-0.0230185	0.00868264	0.00802324	-0.327308	0.0437112	6.99E-14	0.0703267	0.028141	0.01245135	0.1901795	13	0.34907046
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-1.08417	0.0902498	3.04E-33	-0.0232767	0.0109153	0.03296718	0.00587109	20	0.48327225
ENSG00000136448	17	NMT1	43128978	rs55897749	17	43136303	C	T	0.582505	0.0161917	0.00817811	0.0477167	-0.347945	0.0514602	1.37E-11	-0.0465352	0.024491	0.05742033	0.00457226	13	0.55393262
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.675314	0.0721679	8.16E-21	0.0286408	0.0132068	0.03011007	0.1201704	15	0.47095607
ENSG00000159314	17	ARHGAP27	43471275	rs62055544	17	43964539	G	A	0.240557	-0.005531	0.0147824	0.708283	0.25625	0.040775	3.29E-10	-0.0215845	0.0577896	0.708775	0.8414349	8	0.94504139
ENSG00000225190	17	PLEKHM1	43513266	rs79172804	17	43828764	A	G	0.213718	-0.0038846	0.0156056	0.803418	0.399783	0.0598052	2.31E-11	-0.0097169	0.0390622	0.8035514	0.5179988	16	0.96471558
ENSG00000214425	17	LRRC37A4P	43578685	rs62062813	17	44032956	A	G	0.239563	-0.0053182	0.0148353	0.719981	-1.04744	0.0681059	2.24E-53	0.00507734	0.0141672	0.7200544	0.9922894	4	0.94753093
ENSG00000266918	17	RP11-798G7.8	43608943	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	0.699694	0.117808	2.86E-09	0.010461	0.0120667	0.3859788	0.07263006	6	0.84682194
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.06414	0.0979455	1.70E-27	-0.005372	0.0140768	0.7027438	0.9999194	9	0.94421269

ENSG00000263503	17	RP11-707O23.5	43678235	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.14618	0.099874	1.74E-30	-0.0049875	0.0130684	0.7027257	0.9998942	9	0.94421269
ENSG00000204650	17	CRHR1-IT1	43697694	rs62056905	17	43782693	G	A	0.241551	-0.0063844	0.0148267	0.666758	0.886044	0.0680987	1.06E-38	-0.0072055	0.0167428	0.6669285	0.9958141	9	0.93322639
ENSG00000264589	17	MAPT-AS1	43921017	rs369332489	17	44753645	G	C	0.72664	-0.0096407	0.0110661	0.38365	0.583344	0.0841649	4.18E-12	-0.0165265	0.0191194	0.3873753	0.0756458	18	0.84743529
ENSG00000120071	17	KANSL1	44107282	rs6503453	17	44062603	G	A	0.428429	0.00419419	0.00813718	0.606249	-0.388246	0.0588498	4.19E-11	-0.0108029	0.0210227	0.6073433	0.1912472	11	0.91214701
ENSG00000214401	17	KANSL1-AS1	44270942	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.17389	0.0863291	4.12E-42	0.00341912	0.0123345	0.7816262	0.08387909	10	0.96335446
ENSG00000262500	17	RP11-259G18.2	44320972	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.14671	0.0964891	1.43E-32	0.00350016	0.0126276	0.7816399	0.123817	10	0.96335446
ENSG00000262539	17	RP11-259G18.3	44336917	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.27324	0.0933357	2.27E-42	-0.0044897	0.0117623	0.7026799	0.7461137	10	0.94421269
ENSG00000261575	17	RP11-259G18.1	44344403	rs1631850	17	43749942	G	A	0.733598	0.0108609	0.0139062	0.434797	-0.881303	0.0950173	1.77E-20	-0.0123237	0.015835	0.4364174	0.09809327	13	0.86824012
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.20672	0.112445	7.23E-27	-0.0060656	0.00694477	0.3824388	0.6387199	9	0.84653068
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.03745	0.0802602	3.21E-38	-0.0068502	0.00788884	0.3852053	0.3643146	20	0.84682194
ENSG00000260075	17	NSFP1	44450221	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.11684	0.103997	6.66E-27	-0.0065538	0.00750363	0.3824366	0.6761405	20	0.84653068
ENSG00000238083	17	LRRC37A2	44588877	rs8073146	17	43893751	G	A	0.239563	-0.0058667	0.014833	0.69246	1.22712	0.0902629	4.29E-42	-0.0047809	0.0120928	0.6925835	0.9871965	4	0.9413952
ENSG00000185829	17	ARL17A	44594068	rs2532424	17	44368926	A	C	0.253479	0.0103685	0.0111645	0.353045	0.906397	0.102405	8.67E-19	0.0114392	0.0123851	0.3556778	0.03833561	13	0.83410235
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-0.756308	0.0718543	6.59E-26	0.00684019	0.0116477	0.5570319	0.6228823	10	0.89377419
ENSG00000262879	17	RP11-156P1.3	45061411	rs77919729	17	45152915	T	C	0.106362	0.0352965	0.0151697	0.0199774	1.37039	0.129842	4.85E-26	0.0257565	0.0113354	0.02307353	0.4062878	20	0.411832
ENSG00000178852	17	EFCAB13	45400656	rs9303533	17	45386540	G	A	0.466203	0.00052124	0.00804962	0.94837	0.433167	0.0686912	2.86E-10	0.00120333	0.0185842	0.9483729	0.130446	3	0.99289521
ENSG00000159111	17	MRPL10	45900638	rs55916822	17	45906599	C	T	0.0536779	-0.0162469	0.0262627	0.536159	-0.731711	0.11367	1.22E-10	0.022204	0.0360575	0.5380311	0.4628386	4	0.88747737
ENSG00000141295	17	SCRN2	45915058	rs6503875	17	45915395	C	T	0.122266	0.0174541	0.0131727	0.185165	-0.473559	0.0650335	3.29E-13	-0.0368573	0.0282732	0.1923651	0.3633834	15	0.7389442
ENSG00000264920	17	RP11-6N17.4	45968621	rs146084401	17	46000197	A	G	0.0407555	0.0317345	0.0291821	0.276832	1.06686	0.191307	2.45E-08	0.0297457	0.0278685	0.2858091	0.1667239	4	0.79695678
ENSG00000108465	17	CDK5RAP3	46045176	rs17616799	17	46039553	G	A	0.128231	-0.034921	0.0118735	0.00327054	-0.458284	0.0708672	1.00E-10	0.0761995	0.0284622	0.00742375	0.5878363	13	0.28385138
ENSG00000002919	17	SNX11	46180719	rs3744347	17	46178674	A	G	0.76839	0.0117475	0.00944927	0.213787	0.414296	0.0631458	5.35E-11	0.0283553	0.0232139	0.2219035	0.1399906	4	0.75840867
ENSG00000170703	17	TTLL6	46839597	rs2010948	17	46835873	A	G	0.383698	0.0336642	0.00857408	8.63E-05	-0.497872	0.0777558	1.52E-10	-0.0676162	0.0202013	0.00081656	0.08741049	10	0.16772553
ENSG00000248278	17	RP11-463M16.4	46952222	rs12941262	17	46967037	A	T	0.563618	0.034524	0.0080749	1.91E-05	0.784953	0.0963653	3.77E-16	0.0439823	0.0116181	0.00015329	0.5488839	15	0.14181164
ENSG00000159210	17	SNF8	47006678	rs9911030	17	47018069	A	G	0.262425	-0.021682	0.00911579	0.0173828	-0.407194	0.0534445	2.56E-14	0.0532473	0.0234524	0.02318051	0.04362888	11	0.411832
ENSG00000246640	17	RP11-1094H24.4	48127713	rs9907176	17	48130398	A	G	0.0248509	-0.0465253	0.0202834	0.0218042	1.13554	0.1842	7.06E-10	-0.040972	0.0190587	0.03157307	0.6747378	8	0.48327225
ENSG00000108823	17	SGCA	48241575	rs2696295	17	48246827	T	C	0.621272	0.00520891	0.00834606	0.532551	-0.797584	0.0813316	1.05E-22	-0.0065309	0.0104853	0.5333792	0.7130616	20	0.88643447
ENSG00000188662	17	HILS1	48248789	rs1061947	17	48262119	A	G	0.149105	-0.0019467	0.0112073	0.862105	0.720453	0.0971512	1.21E-13	-0.002702	0.0155602	0.862142	0.4388411	12	0.97675342
ENSG00000136457	17	CHAD	48541857	rs2898945	17	48553916	G	C	0.577535	0.0125614	0.00807607	0.119853	0.558987	0.0602445	1.72E-20	0.0224717	0.0146493	0.1250341	0.7415058	14	0.67896424
ENSG00000136444	17	RSAD1	48556161	rs736911	17	48545248	T	C	0.557654	0.00734246	0.00805502	0.362011	-0.300527	0.0469212	1.50E-10	-0.0244319	0.0270731	0.3668206	0.7252078	12	0.8352928
ENSG00000250286	17	RP11-94C24.8	48614655	rs3785915	17	48613837	G	A	0.720676	-0.000928	0.00870049	0.91506	-0.67334	0.0739341	8.45E-20	0.00137818	0.0129223	0.9150655	0.3047342	14	0.98640395
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.870326	0.0608129	1.85E-46	-0.0160023	0.00991018	0.1063687	0.3634422	20	0.65763337
ENSG00000108846	17	ABCC3	48712138	rs4793665	17	48712087	T	C	0.559642	-0.0035716	0.00830495	0.667157	-0.459434	0.0835141	3.77E-08	0.00777385	0.0181316	0.6681087	0.07222651	4	0.93322639
ENSG00000229980	17	TOB1-AS1	48944040	rs71381325	17	48935026	A	G	0.272366	-0.0039117	0.00878941	0.656287	0.418956	0.0763872	4.14E-08	-0.0093367	0.0210483	0.6573414	0.03741603	10	0.93306515
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.434535	0.0346261	4.01E-36	-0.0280281	0.0192674	0.1457552	0.1939664	20	0.70919091
ENSG00000243678	17	NME1-NME2	49230920	rs34555317	17	49381714	A	T	0.535785	0.0129232	0.00805834	0.108778	0.225614	0.0371707	1.28E-09	0.0572801	0.0369431	0.1210221	0.1896818	11	0.67319221
ENSG00000011260	17	UTP18	49337889	rs6504707	17	49398988	C	T	0.417495	0.00064923	0.00816904	0.936655	-0.468854	0.0551484	1.87E-17	-0.0013847	0.0174242	0.9366581	0.02613387	20	0.99132842
ENSG00000141198	17	TOM1L1	52976748	rs35647022	17	53008071	T	C	0.27336	-0.0050063	0.00855167	0.558271	-0.300935	0.0530974	1.45E-08	0.0166357	0.0285682	0.5603553	0.08953627	6	0.89377419
ENSG00000166260	17	COX11	53029263	rs35573927	17	53031889	C	G	0.269384	0.00552494	0.00901827	0.540116	-0.384308	0.0465832	1.58E-16	-0.0143763	0.0235309	0.5412285	0.2653196	20	0.88821024
ENSG00000121101	17	TEX14	56634039	rs2611777	17	56826958	G	A	0.353877	0.00882572	0.0089602	0.324629	0.494558	0.0763274	9.21E-11	0.0178457	0.0183257	0.3301541	0.3538606	10	0.81680644
ENSG00000182628	17	SKA2	57187312	rs9652856	17	57208752	C	T	0.342942	0.00571902	0.00898381	0.524391	-0.2328	0.0385882	1.61E-09	-0.0245662	0.0388045	0.5266833	0.8574106	12	0.88292525
ENSG00000068097	17	HEATR6	58120555	rs79483284	17	58175171	A	C	0.0427435	0.013437	0.0164873	0.415078	1.03049	0.143431	6.74E-13	0.0130394	0.0161021	0.4180566	0.964353	11	0.86117441
ENSG00000008283	17	CYB561	61509665	rs9892875	17	61203431	A	C	0.471173	-0.020484	0.00806941	0.0111335	-0.477618	0.038085	4.46E-36	0.0428878	0.0172378	0.01284575	0.5136444	20	0.34907046
ENSG00000198231	17	DDX42	61850963	rs7209758	17	61913621	T	C	0.269384	-0.0012983	0.00956969	0.892087	-0.496654	0.0775409	1.50E-10	0.00261401	0.0192726	0.8921112	0.4994242	11	0.98291591
ENSG00000108592	17	FTSJ3	61896793	rs2584616	17	61927473	C	T	0.59841	-0.005234	0.00841965	0.534177	0.642049	0.0518376	3.12E-35	-0.0081521	0.0131302	0.5346905	0.5940519	20	0.88745609
ENSG00000087191	17	PSMC5	61904512	rs1877317	17	61776479	C	T	0.600398	-0.0060769	0.00843312	0.471157	0.227601	0.040902	2.63E-08	-0.0266997	0.0373616	0.4748379	0.6922988	6	0.87401188
ENSG00000154229	17	PRKCA	64298754	rs7342847	17	64802544	T	C	0.374751	0.0120908	0.0080848	0.134786	-0.254079	0.0459551	3.22E-08	-0.0475868	0.0329635	0.1488462	0.2755334	3	0.71033318
ENSG00000171634	17	BPTF	65821640	rs4468667	17	65903629	A	G	0.689861	-0.0216904	0.00866881	0.0123453	0.254412	0.0466256	4.86E-08	-0.085257	0.0374856	0.02294223	0.00813634	5	0.411832
ENSG00000265100	17	RP11-147L13.2	66242770	rs2903997	17	66224256	G	A	0.307157	0.00876917	0.00923487	0.34233	-0.387292	0.0631201	8.47E-10	-0.0226423	0.0241286	0.3480386	0.6608736	9	0.83077006
ENSG00000141338	17	ABCA8	66863433	rs34931250	17	66879927	T	C	0.0497018	-0.0081018	0.0163429	0.620079	1.06478	0.0915198	2.75E-31	-0.0076089	0.0153625	0.6203967	0.4747539	3	0.91768182
ENSG00000154262	17	ABCA6	67074843	rs7211358	17	67134928	T	C	0.683897	0.00297591	0.0084799	0.725635	0.461827	0.0701889	4.71E-11	0.00644378	0.0183877	0.7260094	0.3915226	7	0.94753093
ENSG00000234899	17	AC005152.2	70033455	rs8078857	17	70355635	A	G	0.479125	0.00509132	0.00810181	0.529729	-0.369686	0.0646481	1.08E-08	-0.013772	0.0220473	0.5321962	0.8300572	4	0.88643447
ENSG00000125450	17	NUP85	73201754	rs1478785	17	73222865	A	G	0.754473	0.0184148	0.0110806	0.0965339	-0.740947	0.0657888	2.01E-29	-0.0248531	0.0151166	0.100157	0.4686696	20	0.64834522
ENSG00000266714	17	MYO15B	73584139	rs736522	17	73588058	T	G	0.329026	0.00031218	0.00908623	0.972592	-0.280314	0.047295	3.09E-09	-0.0011137	0.032415	0.972593	0.8613071	8	0.99453968
ENSG00000132471	17	WBP2	73841780	rs74410877	17	73832384	T	C	0.140159	0.0217626	0.0141948	0.125243	-0.33759	0.06063	2.58E-08	-0.0644646	0.0436123	0.139373	0.3396772	4	0.70248585
ENSG00000141569	17	TRIM65	73876416	rs7370	17	73894804	A	G	0.290258	0.0142689	0.0101166	0.158409	0.331556	0.0473134	2.42E-12	0.0430362	0.0311244	0.1667522	0.7937498	20	0.72148239
ENSG00000188878	17	FBF1	73905655	rs2666005	17	73944596	G	T	0.295229	0.0140991	0.0101279	0.163892	0.53842	0.0641159	4.56E-17	0.0261861	0.0190671	0.1696398	0.9438418	20	0.72148239
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.672966	0.0674128	1.81E-23	0.0164834	0.0159983	0.3028568	0.6334453	20	0.80442017
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.539139	0.0625848	7.02E-18	0.020575	0.0200059	0.3037382	0.7215742	13	0.80442017
ENSG00000129646	17	QRICH2	74270130	rs3803738	17	74303832	C	G	0.239563	0.00979102	0.00991256	0.323281	-0.308885	0.0467195	3.81E-11	-0.0316979	0.0324476	0.3286202	0.02301569	12	0.81680644
ENSG00000161542	17	PRPSAP1	74305567	rs2585747	17	74298257	G	C	0.294235	0.0130507	0.00926657	0.159023	-0.414654	0.0584005	1.25E-12	-0.0314737	0.0227831	0.1671409	0.5765769	7	0.72148239
ENSG00000070731	17	ST6GALNAC2	74559792	rs11077836	17	74579065	A	T	0.809145	0.00875797	0.0101666	0.388991	0.374359	0.0676491	3.13E-08	0.0233946	0.0274844	0.3946618	0.8644122	4	0.8477398
ENSG00000182534	17	MXRA7	74668633	rs11869629	17	74677156	T	C	0.804175	0.003673	0.0104029	0.724031	-0.593802	0.0468536	8.29E-37	-0.0061856	0.0175259	0.7241352	0.3796892	20	0.94753093
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086057	17	74819228	G	A	0.0864811	-0.007793	0.0145054	0.591099	1.49333	0.171376	2.94E-18	-0.0052185	0.0097319	0.5918011	0.2690144	13	0.90646236
ENSG00000167895	17	TMC8	76126851	rs761772	17	76122078	C	T	0.131213	0.00621302	0.0115655	0.591129	0.428167	0.075955	1.73E-08	0.0145107	0.027134	0.592802	0.6054386	6	0.90646236
ENSG00000167900	17	TK1	76170160	rs144204502	17	76183233	T	C	0.0119284	-0.0148516	0.0211157	0.481839	1.43313	0.165762	5.35E-18	-0.0103631	0.0147826	0.4832855	0.9732484	14	0.87638737
ENSG00000087157	17	PGS1	76374721	rs16971269	17	76431368	G	C	0.271372	-0.0090142	0.0108785	0.407319	-0.383622	0.0620143	6.17E-10	0.0234975	0.0286106	0.4114837	0.894377	15	0.85948219
ENSG00000267432	17	RP11-559N14.5	76480964	rs894976	17	76485661	G	A	0.286282	0.00484118	0.00848023	0.568082	0.662537	0.0858074	1.15E-14	0.00730703	0.0128346	0.569136	0.9041306	8	0.8966292
ENSG00000055483	17	USP36	76783463	rs11649964	17	76800182	C	G	0.536779	0.0174193	0.00829855	0.0358105	0.50642	0.0498994	3.35E-24	0.0343969	0.0167335	0.0398239	0.228036	20	0.50809144
ENSG00000167280	17	ENGASE	77071021	rs61756761	17	77079576	G	A	0.0576541	0.0255944	0.0188641	0.174853	-0.609004	0.0925913	4.79E-11	-0.0420267	0.0316275	0.1839135	0.5594619	5	0.7281464
ENSG00000141519	17	CCDC40	78010435	rs7212117	17	78021529	G	A	0.223658	0.0141638	0.00890158	0.111575	0.481415	0.0503328	1.13E-21	0.0294212	0.0187446	0.1165117	0.03012934	10	0.66853336
ENSG00000171298	17	GAA	78075355	rs2304849	17	78075462	C	G	0.244533	-0.0182603	0.0101836	0.0729558	-0.528722	0.0671122	3.32E-15	0.0345367	0.0197534	0.0803959	0.0881517	20	0.60868991
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.73122	0.0644597	7.96E-30	0.0144992	0.0116098	0.2117094	0.4221833	20	0.74886006
ENSG00000181523	17	SGSH	78180515	rs8078181	17	78181427	T	C	0.055666	0.00211236	0.0155436	0.891902	0.706474	0.12701	2.66E-08	0.00299	0.0220082	0.8919332	0.2793468	3	0.98291591
ENSG00000261924	17	CTD-2561B21.5	78940039	rs7406130	17	78943074	T	C	0.710736	0.00918048	0.00892544	0.303679	-0.897382	0.105589	1.92E-17	-0.0102303	0.0100187	0.307196	0.114389	20	0.80584798
ENSG00000262873	17	CTD-2561B21.11	78991769	rs56350536	17	79000337	G	C	0.241551	0.0217349	0.0102173	0.0333987	0.591164	0.0629958	6.34E-21	0.0367663	0.0177219	0.03802101	0.694096	10	0.49915936
ENSG00000157637	17	SLC38A10	79218800	rs59063862	17	79269606	A	C	0.308151	-0.0039307	0.00907011	0.664745	0.241095	0.0438083	3.73E-08	-0.0163037	0.0377369	0.6657164	0.32735	4	0.93322639
ENSG00000263154	17	RP11-1055B8.2	79336072	rs57067187	17	79361332	C	T	0.380716	0.00381352	0.00837023	0.648675	0.661639	0.0949282	3.17E-12	0.00576375	0.0126778	0.6493719	0.9300749	6	0.92722972
ENSG00000262223	17	RP11-1055B8.3	79349801	rs57067187	17	79361332	C	T	0.380716	0.00381352	0.00837023	0.648675	0.403958	0.0478221	2.99E-17	0.00944039	0.0207507	0.6491496	0.911565	10	0.92722972
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.894047	0.0809681	2.40E-28	-0.0106916	0.0140252	0.4458727	0.8596319	4	0.86824012
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.946104	0.070626	6.38E-41	0.0106735	0.011084	0.3355678	0.1137018	20	0.81908674
ENSG00000183010	17	PYCR1	79890260	rs36023555	17	79915629	G	A	0.568588	0.00484818	0.00829453	0.558882	-0.327752	0.056367	6.08E-09	-0.0147922	0.0254349	0.5608548	0.3992146	11	0.89377419
ENSG00000185269	17	NOTUM	79910388	rs79700919	17	79904291	A	G	0.532803	0.00806994	0.00822637	0.3266	-0.454825	0.0695265	6.08E-11	-0.017743	0.0182891	0.3319782	0.7224349	12	0.81680644
ENSG00000169689	17	STRA13	79976578	rs9895872	17	79972901	T	C	0.558648	-0.004855	0.00835221	0.561054	0.479484	0.0525316	7.01E-20	-0.0101254	0.0174545	0.5618457	0.01447608	5	0.89377419
ENSG00000169733	17	RFNG	80005778	rs9893491	17	80008018	G	A	0.638171	-0.0021509	0.00901956	0.811516	-0.244604	0.0391216	4.04E-10	0.0087934	0.0369009	0.8116505	0.9063834	6	0.96552943
ENSG00000176155	17	CCDC57	80059336	rs9908277	17	80060829	C	T	0.482107	0.0101691	0.00805362	0.206705	0.333791	0.0428264	6.49E-15	0.0304655	0.0244423	0.2126089	0.5500899	18	0.74886006
ENSG00000181396	17	OGFOD3	80347099	rs4789769	17	80373452	T	C	0.251491	-0.0003183	0.0101285	0.974928	-0.514011	0.0695935	1.51E-13	0.0006193	0.019705	0.9749278	0.00312313	14	0.99453968
ENSG00000178927	17	C17orf62	80400465	rs9303029	17	80408815	T	C	0.127237	-0.0239175	0.0107878	0.0266171	-0.521451	0.0542016	6.55E-22	0.0458672	0.0212303	0.03073703	0.298163	17	0.47620546
ENSG00000141562	17	NARF	80416056	rs113082506	17	80431429	A	G	0.0934394	-0.0385727	0.0119974	0.00130401	-0.658206	0.091844	7.69E-13	0.0586028	0.0199776	0.00335253	0.7393813	20	0.2603942
ENSG00000141580	17	WDR45B	80572438	rs9788998	17	80605644	G	A	0.498012	-0.0087837	0.00806521	0.276116	-0.250665	0.0444309	1.68E-08	0.0350417	0.0327693	0.2849143	0.6918569	4	0.79552497
ENSG00000263063	17	RP11-388C12.1	80671784	rs113399146	17	80672613	T	C	0.244533	-0.0131382	0.0101057	0.193574	0.696493	0.114499	1.18E-09	-0.0188634	0.0148371	0.2035986	0.1186479	15	0.74217028
ENSG00000141560	17	FN3KRP	80674559	rs2280251	17	80675105	C	G	0.407555	0.0021975	0.00848267	0.795591	-0.692241	0.0558948	3.16E-35	-0.0031745	0.0122566	0.7956345	0.5506821	20	0.96351947
ENSG00000175711	17	B3GNTL1	80900031	rs57923322	17	81009636	G	T	0.229622	0.00156324	0.00869716	0.857356	-0.482348	0.0605233	1.59E-15	-0.0032409	0.0180355	0.8573914	0.9551714	11	0.976398
ENSG00000263006	18	ROCK1P1	109065	rs4530213	18	115408	T	G	0.303181	0.00146682	0.00836181	0.860751	1.00128	0.0836419	5.04E-33	0.00146494	0.00835202	0.8607652	0.5413119	20	0.97675342
ENSG00000079101	18	CLUL1	596988	rs11662536	18	587730	C	T	0.293241	-0.0022029	0.00874391	0.801089	0.462085	0.0822042	1.90E-08	-0.0047674	0.0189417	0.8012846	0.6000201	9	0.96471558
ENSG00000132199	18	ENOSF1	670324	rs2847154	18	687270	A	G	0.212724	0.00752532	0.00909465	0.407985	0.369795	0.0596706	5.75E-10	0.02035	0.024812	0.4121212	0.4794323	16	0.85948219
ENSG00000101574	18	METTL4	2537524	rs11080959	18	2560027	T	C	0.22167	-0.0209839	0.00985555	0.0332422	0.440223	0.0789776	2.49E-08	-0.0476665	0.0239653	0.04670319	0.02450587	7	0.52621691
ENSG00000265399	18	RP13-270P17.2	3190395	rs4798075	18	3247256	C	A	0.792247	0.00796946	0.0104059	0.44376	0.531474	0.0923645	8.71E-09	0.014995	0.019752	0.4477539	0.5572114	7	0.86824012
ENSG00000266513	18	RP11-874J12.3	3770017	rs3850799	18	3774232	G	A	0.309145	-0.01557	0.00929357	0.0938642	0.670187	0.0882274	3.05E-14	-0.0232323	0.0142004	0.1018327	0.2027471	15	0.64961631
ENSG00000263753	18	LINC00667	5232875	rs12343	18	5290174	A	G	0.410537	0.00088561	0.00820709	0.914069	0.469839	0.0657669	9.07E-13	0.00188492	0.0174699	0.9140787	0.7309712	20	0.98585393
ENSG00000266441	18	RP11-91I8.3	6728820	rs7237087	18	6725074	G	C	0.515905	0.00119375	0.00805809	0.88223	0.832192	0.0805935	5.39E-25	0.00143446	0.00968397	0.8822419	0.528178	18	0.97830691
ENSG00000128791	18	TWSG1	9334765	rs9748605	18	9397015	T	C	0.100398	0.0270824	0.0200293	0.176331	-0.590072	0.074124	1.71E-15	-0.0458968	0.03443	0.1825166	0.1966574	11	0.72584765
ENSG00000154845	18	PPP4R1	9546789	rs1787163	18	9621841	T	C	0.190855	0.0139153	0.010569	0.187968	0.318379	0.0529572	1.83E-09	0.0437067	0.033983	0.1983962	0.1427117	8	0.74217028
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-1.05333	0.102036	5.54E-25	0.00416657	0.0100933	0.6797501	0.2747295	20	0.93712252
ENSG00000134265	18	NAPG	10525902	rs9676242	18	10554459	G	A	0.393638	0.00683506	0.00862404	0.428035	-0.358448	0.0361951	4.03E-23	-0.0190685	0.0241363	0.4295085	0.1927009	20	0.86578195
ENSG00000264714	18	RP11-21G15.1	10724617	rs9303716	18	10730400	C	T	0.262425	0.0109117	0.00938378	0.244899	-0.388672	0.0645249	1.71E-09	-0.0280743	0.0245889	0.2535597	0.7402618	8	0.77238055
ENSG00000267079	18	RP11-820I16.1	11910633	rs34478333	18	11947766	G	C	0.337972	-0.0016533	0.00836804	0.843378	0.68805	0.080989	1.97E-17	-0.0024029	0.0121653	0.8434199	0.693528	17	0.97214076
ENSG00000141391	18	SLMO1	12407895	rs34448712	18	12439062	C	A	0.152087	0.0218674	0.0134036	0.102795	0.552268	0.0921034	2.02E-09	0.0395956	0.0251524	0.1154347	0.9877386	3	0.66853336
ENSG00000267108	18	RP11-861E21.1	12432896	rs34448712	18	12439062	C	A	0.152087	0.0218674	0.0134036	0.102795	1.01053	0.114595	1.16E-18	0.0216395	0.013489	0.1086627	0.4634567	20	0.65854606
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.692186	0.0760201	8.60E-20	0.00334286	0.0119333	0.7793795	0.4872571	20	0.96335446
ENSG00000267336	18	RP11-773H22.2	12912843	rs4797717	18	12911423	C	T	0.698807	-0.0087416	0.00825784	0.289792	-0.864784	0.119608	4.82E-13	0.0101084	0.00965083	0.2949104	0.2873075	3	0.80291535
ENSG00000101639	18	CEP192	12991361	rs529620	18	13123876	G	C	0.619284	-0.0029859	0.00819869	0.715718	-1.02117	0.0629991	4.34E-59	0.00292396	0.00803075	0.7157867	0.9282552	20	0.94694728
ENSG00000175322	18	ZNF519	14057456	rs9958799	18	14132402	C	G	0.229622	0.00025724	0.00989117	0.979252	0.321949	0.043544	1.43E-13	0.00079899	0.030723	0.9792523	0.1416909	9	0.99456097
ENSG00000101752	18	MIB1	19284918	rs45495193	18	19449678	G	C	0.238569	-0.0015708	0.00916399	0.863901	0.312828	0.0488052	1.46E-10	-0.0050213	0.0293045	0.8639495	0.3690769	7	0.97675342
ENSG00000141452	18	C18orf8	21083473	rs1429934	18	21162288	T	C	0.654076	0.00868633	0.00847954	0.305652	0.418295	0.0767122	4.96E-08	0.020766	0.0206263	0.314043	0.07911589	5	0.80811918
ENSG00000141458	18	NPC1	21086148	rs8083301	18	21078579	T	A	0.630219	0.00556394	0.00838337	0.50689	0.188551	0.0261418	5.49E-13	0.0295089	0.0446499	0.5086792	0.05808284	11	0.8783337
ENSG00000265750	18	RP11-799B12.4	21739473	rs1049684	18	21739725	C	T	0.389662	0.00287134	0.00809691	0.722873	0.468236	0.0800197	4.87E-09	0.00613225	0.0173241	0.7233597	0.1326611	19	0.94753093
ENSG00000134504	18	KCTD1	24034874	rs3755	18	24035788	A	G	0.151093	-0.0042001	0.00958026	0.661088	-0.127428	0.0233264	4.69E-08	0.0329606	0.0754235	0.6621064	0.8651797	4	0.93322639
ENSG00000260372	18	AQP4-AS1	24235706	rs232346	18	24510922	T	A	0.530815	0.00171184	0.00813354	0.833303	-0.86775	0.0621626	2.76E-44	-0.0019727	0.0093742	0.833322	0.5346429	16	0.96886511
ENSG00000227279	18	AC015933.2	25534483	rs8098920	18	25502001	A	G	0.489066	-0.0017053	0.00807995	0.832848	-0.520172	0.0822011	2.48E-10	0.00327828	0.0155419	0.8329401	0.7877027	8	0.96886511
ENSG00000197705	18	KLHL14	30252634	rs11660243	18	30334036	G	A	0.33499	-0.0060243	0.00909692	0.50782	0.840101	0.088327	1.88E-21	-0.0071709	0.0108546	0.5088452	0.4532751	10	0.8783337
ENSG00000075643	18	MOCOS	33767482	rs2847511	18	33767017	C	G	0.719682	0.00780919	0.00898723	0.38489	-0.55257	0.0824775	2.09E-11	-0.0141325	0.0164006	0.3888507	0.193043	7	0.84743529
ENSG00000134775	18	FHOD3	33877677	rs62086184	18	34041612	G	T	0.136183	-0.00675	0.0111708	0.545674	-0.42541	0.0773157	3.75E-08	0.0158671	0.0264168	0.5480761	0.8133475	7	0.89093027
ENSG00000134779	18	TPGS2	34359987	rs2654543	18	34692374	G	A	0.351889	0.00873016	0.00855805	0.307676	0.46411	0.0614258	4.17E-14	0.0188105	0.018607	0.3120459	0.9970822	19	0.80584798
ENSG00000152214	18	RIT2	40323192	rs66700940	18	40613548	T	C	0.149105	0.0105537	0.013231	0.425072	0.237159	0.0417229	1.31E-08	0.0445005	0.0563362	0.4295804	0.7531339	3	0.86578195
ENSG00000152223	18	EPG5	43427574	rs11082496	18	43476386	C	G	0.550696	0.0104134	0.00807386	0.197131	-0.263943	0.0430838	9.00E-10	-0.0394532	0.03126	0.2069127	0.1851502	5	0.74558582
ENSG00000101751	18	POLI	51795774	rs3730783	18	51815283	G	A	0.428429	-0.0003246	0.00809063	0.967992	-0.495455	0.0602318	1.94E-16	0.00065525	0.0163299	0.9679927	0.6292105	18	0.99428844
ENSG00000166845	18	C18orf54	51884287	rs1942994	18	51948250	C	T	0.934394	0.00628924	0.0169885	0.711228	0.560382	0.102093	4.04E-08	0.0112231	0.0303848	0.7118545	0.3038338	8	0.94634312
ENSG00000183287	18	CCBE1	57098172	rs10469134	18	57489563	A	T	0.305169	-0.0021933	0.00903669	0.80823	0.811805	0.103371	4.05E-15	-0.0027017	0.0111369	0.8083202	0.9348487	12	0.96552943
ENSG00000197563	18	PIGN	59710800	rs948687	18	59731734	T	C	0.632207	-0.0083227	0.00850917	0.32803	-0.418949	0.0589691	1.21E-12	0.0198658	0.0205023	0.3325694	0.04026937	20	0.81680644
ENSG00000141655	18	TNFRSF11A	59992520	rs1045950	18	59973657	T	C	0.686879	-0.0030638	0.00869197	0.724473	0.432051	0.0708833	1.09E-09	-0.0070913	0.0201515	0.7249128	0.01036088	14	0.94753093
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.618045	0.0971358	1.98E-10	-0.0084534	0.0199293	0.6714434	0.7094423	3	0.93322639
ENSG00000263958	18	RP11-676J15.1	70535623	rs72970538	18	70551658	C	T	0.0904573	0.0240861	0.0149261	0.106596	0.674909	0.0972194	3.86E-12	0.0356879	0.0227053	0.1160004	0.9162184	9	0.66853336
ENSG00000166347	18	CYB5A	71920530	rs74810966	18	71951844	T	C	0.15507	-0.0029712	0.0151723	0.844745	0.538209	0.0746602	5.65E-13	-0.0055204	0.0282007	0.8448019	0.6945662	3	0.97214076
ENSG00000133313	18	CNDP2	72163051	rs7241558	18	72169267	T	A	0.210736	0.00321645	0.0104621	0.758511	0.503511	0.0522711	5.82E-22	0.00638804	0.0207889	0.7586289	0.7360496	20	0.95899376
ENSG00000264247	18	LINC00909	72259010	rs7505289	18	72264406	G	A	0.852883	0.00502044	0.0118153	0.670902	-0.64313	0.0799991	9.04E-16	-0.0078063	0.0183972	0.6713341	0.9503445	7	0.93322639
ENSG00000267127	18	RP11-795F19.5	77794346	rs72976317	18	77848209	T	C	0.861829	0.00662401	0.0131125	0.613441	-0.997008	0.121694	2.55E-16	-0.0066439	0.0131768	0.6141138	0.2799076	20	0.91423182
ENSG00000261126	18	RBFADN	77806900	rs613847	18	77845644	A	G	0.143141	-0.0060675	0.0129341	0.638991	1.06038	0.0966272	5.10E-28	-0.005722	0.0122087	0.6392978	0.8560234	20	0.92504719
ENSG00000267251	18	AC139100.3	77941563	rs68010032	18	77886171	G	A	0.204771	0.00141739	0.00883517	0.872546	0.540385	0.0861739	3.59E-10	0.00262293	0.0163551	0.8725869	0.9098232	20	0.97700295
ENSG00000129946	19	SHC2	416583	rs10424907	19	488506	G	A	0.402584	-0.0035636	0.00823997	0.665399	-0.372463	0.0467552	1.64E-15	0.00956755	0.0221555	0.6658602	0.4432832	9	0.93322639
ENSG00000266933	19	AC005775.2	490046	rs3999751	19	488476	C	G	0.440358	-0.0036035	0.00820386	0.66049	-0.878902	0.0878309	1.42E-23	0.00409995	0.0093432	0.660795	0.1199361	14	0.93322639
ENSG00000267751	19	AC009005.2	567212	rs12608452	19	563639	C	T	0.162028	-0.0025021	0.00960194	0.794415	-0.899654	0.118105	2.59E-14	0.00278117	0.0106792	0.7945326	0.465131	7	0.96351947
ENSG00000267666	19	AC004156.3	663482	rs7255896	19	663956	C	A	0.234592	0.0182358	0.00997944	0.0676488	-0.717351	0.0997209	6.31E-13	-0.025421	0.0143533	0.07654606	0.8313653	9	0.5985152
ENSG00000197766	19	CFD	859453	rs1683563	19	861593	G	C	0.589463	-0.0207121	0.00862228	0.0162986	-0.407805	0.0730616	2.38E-08	0.0507892	0.023018	0.0273492	0.5812573	6	0.4538879
ENSG00000065268	19	WDR18	983174	rs2240149	19	990819	A	G	0.59841	-0.0056639	0.00817986	0.488673	-0.659759	0.0637053	3.91E-25	0.00858483	0.0124259	0.4896409	0.1777909	20	0.87805165
ENSG00000182087	19	TMEM259	1009647	rs2240160	19	1011215	A	G	0.172962	0.0102974	0.0097719	0.291983	0.428516	0.0519913	1.69E-16	0.0240304	0.0229897	0.2958991	0.01808696	14	0.80291535
ENSG00000207357	19	RNU6-2	1021521	rs117481827	19	1021627	C	T	0.132207	0.0238256	0.0144659	0.0995543	1.18552	0.169383	2.58E-12	0.0200972	0.0125355	0.1088847	0.3610333	8	0.65854606
ENSG00000064687	19	ABCA7	1040102	rs1057895	19	1038893	T	C	0.858847	0.00745966	0.00958881	0.436596	-0.431085	0.0694904	5.52E-10	-0.0173044	0.0224177	0.4401685	0.3247029	4	0.86824012
ENSG00000099817	19	POLR2E	1086594	rs6843	19	1088285	C	T	0.755467	0.00190824	0.00911844	0.834235	-0.323939	0.0384382	3.53E-17	-0.0058907	0.0281573	0.8342858	0.01597923	8	0.96886511
ENSG00000099624	19	ATP5D	1241749	rs2301759	19	1238899	C	T	0.26839	0.0060985	0.00938206	0.515681	-0.182368	0.0327859	2.66E-08	-0.0334406	0.0517958	0.5185231	0.8262855	11	0.88027463
ENSG00000160953	19	MUM1	1285890	rs713042	19	1357082	C	T	0.76839	0.00780822	0.00859599	0.36369	-0.663259	0.0858266	1.09E-14	-0.0117725	0.0130495	0.3669797	0.8495846	7	0.8352928
ENSG00000115266	19	APC2	1446300	rs3894776	19	1457370	T	C	0.582505	-0.0003327	0.00854577	0.968943	0.544518	0.0557485	1.55E-22	-0.000611	0.0156943	0.9689433	0.4466525	6	0.99428844
ENSG00000267317	19	CTB-25B13.12	1457664	rs3894776	19	1457370	T	C	0.582505	-0.0003327	0.00854577	0.968943	0.434547	0.0629445	5.07E-12	-0.0007657	0.0196662	0.9689436	0.6450523	5	0.99428844

ENSG00000185988	19	PLK5	1524073	rs12609022	19	1516567	C	T	0.32505	0.00574231	0.00868353	0.508429	0.383261	0.0571532	2.00E-11	0.0149828	0.0227669	0.5104768	0.2284956	12	0.8783337
ENSG00000130270	19	ATP8B3	1782074	rs10418560	19	1812204	A	G	0.314115	-0.001495	0.00825755	0.856335	0.506463	0.087925	8.40E-09	-0.0029518	0.0163124	0.8564051	0.5688422	7	0.976398
ENSG00000104885	19	DOT1L	2164148	rs75613123	19	2223275	T	C	0.0516899	-0.0102597	0.0162455	0.527689	0.622945	0.0901427	4.82E-12	-0.0164697	0.0261872	0.5294012	0.1128011	11	0.88477123
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	1.03688	0.09492	8.88E-28	-0.0154218	0.0105183	0.142595	0.6704863	7	0.7035598
ENSG00000130332	19	LSM7	2321516	rs10402629	19	2324458	A	G	0.776342	-0.0161655	0.0101069	0.109721	0.315753	0.0503067	3.46E-10	-0.0511967	0.0330318	0.121161	0.6052406	5	0.67319221
ENSG00000099800	19	TIMM13	2425622	rs6945	19	2426828	C	G	0.44831	0.020336	0.00808891	0.0119349	0.264542	0.034506	1.77E-14	0.0768725	0.0321791	0.01689923	0.9059108	9	0.35412553
ENSG00000261342	19	AC006538.1	2727741	rs7252598	19	2748597	G	A	0.310139	0.012039	0.00843509	0.153508	0.29881	0.0505799	3.47E-09	0.0402898	0.0290411	0.1653385	0.09482056	5	0.71873877
ENSG00000125912	19	NCLN	3185561	rs11551095	19	3186085	T	G	0.531809	0.0095068	0.00806527	0.238504	-0.331996	0.0445053	8.67E-14	-0.0286353	0.0245947	0.2443075	0.8068799	20	0.76866335
ENSG00000183397	19	C19orf71	3539152	rs7248746	19	3538090	C	G	0.45825	-0.015403	0.00804737	0.0556148	-0.293793	0.0537943	4.72E-08	0.0524281	0.0290248	0.07086818	0.3673872	4	0.58502041
ENSG00000179855	19	GIPC3	3585551	rs148500211	19	3587977	A	G	0.11829	-0.0024016	0.0145977	0.869323	-0.656981	0.109346	1.88E-09	0.00365549	0.0222277	0.8693716	0.9113613	3	0.97700295
ENSG00000126934	19	MAP2K2	4090319	rs111772780	19	4125199	T	C	0.0745527	0.00349946	0.0163156	0.830168	0.392565	0.0637027	7.16E-10	0.00891435	0.0415867	0.8302697	0.6535425	4	0.96886511
ENSG00000077463	19	SIRT6	4174106	rs350843	19	4177331	C	A	0.871769	0.0167636	0.011783	0.154824	-0.885666	0.0842786	7.87E-26	-0.0189277	0.0134255	0.1585891	0.08838631	7	0.71666927
ENSG00000178078	19	STAP2	4324040	rs10413905	19	4333666	C	T	0.301193	0.00539957	0.00836182	0.518448	0.73322	0.0817909	3.11E-19	0.00736419	0.0114338	0.5195286	0.03296334	17	0.88027463
ENSG00000267980	19	AC007292.6	4363786	rs11085072	19	4368142	T	C	0.233598	-0.0038466	0.0110496	0.72775	-0.508168	0.0904839	1.95E-08	0.00756949	0.0217857	0.7282521	0.04572529	10	0.94811246
ENSG00000167670	19	CHAF1A	4402659	rs11670503	19	4458063	G	A	0.264414	-0.0145322	0.0103175	0.158981	-0.608449	0.0665685	6.23E-20	0.023884	0.0171572	0.1639016	0.05583077	10	0.71666927
ENSG00000167671	19	UBXN6	4444996	rs732716	19	4366219	G	A	0.294235	-0.0115087	0.0101192	0.25541	-0.176947	0.03125	1.49E-08	0.0650404	0.0583299	0.2648319	0.01806684	11	0.78131464
ENSG00000267769	19	CTB-50L17.9	4454011	rs732716	19	4366219	G	A	0.294235	-0.0115087	0.0101192	0.25541	-0.72962	0.0868895	4.58E-17	0.0157736	0.0139958	0.2597328	0.2657149	8	0.78110996
ENSG00000196365	19	LONP1	5691845	rs3892355	19	5696962	A	G	0.314115	0.00181731	0.00865393	0.833669	-0.483163	0.0549222	1.40E-18	-0.0037613	0.0179161	0.8337157	0.7226624	17	0.96886511
ENSG00000141994	19	DUS3L	5784843	rs113649884	19	5795083	G	A	0.196819	-0.0070684	0.00965774	0.464233	-0.670541	0.0601393	7.18E-29	0.0105414	0.0144339	0.4651933	0.4203031	12	0.87345602
ENSG00000171119	19	NRTN	5823813	rs36055559	19	5799433	A	G	0.162028	0.020092	0.0108349	0.0636854	-0.622643	0.0858632	4.12E-13	-0.0322689	0.0179614	0.07240447	0.7887342	8	0.58788723
ENSG00000181240	19	SLC25A41	6426048	rs2860181	19	6436305	T	C	0.487078	-0.017558	0.00829139	0.0342074	0.885573	0.0598352	1.46E-49	-0.0198267	0.00945809	0.03605827	0.3042647	19	0.49915936
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.535764	0.0502879	1.67E-26	-0.0077335	0.0156084	0.6202665	0.03325468	8	0.91768182
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.792376	0.0798631	3.35E-23	-0.0067013	0.0104646	0.5219261	0.9854069	13	0.88128947
ENSG00000104883	19	PEX11G	7541761	rs2303146	19	7547074	C	A	0.326044	-0.0002313	0.00861653	0.978586	-0.310405	0.0554041	2.11E-08	0.0007451	0.0277593	0.9785863	0.03459615	3	0.99456097
ENSG00000181029	19	TRAPPC5	7745729	rs1053363	19	7747445	A	G	0.173956	0.00298136	0.0108617	0.783711	0.365721	0.0648112	1.67E-08	0.00815201	0.0297345	0.783962	0.6360641	4	0.96344804
ENSG00000268297	19	CLEC4GP1	7852435	rs36056976	19	7853716	G	C	0.240557	-0.0101914	0.0105164	0.332496	1.30509	0.105174	2.34E-35	-0.007809	0.00808252	0.3339671	0.2819412	17	0.81834848
ENSG00000269139	19	CTD-3193O13.8	7990886	rs7899	19	7991679	A	T	0.302187	0.00605874	0.00858081	0.480138	0.886908	0.0813229	1.08E-27	0.00683131	0.00969523	0.4810561	0.03697211	15	0.87638737
ENSG00000233927	19	RPS28	8386042	rs2972572	19	8390313	G	A	0.535785	0.00852923	0.00808756	0.291603	-0.3543	0.0315105	2.48E-29	-0.0240735	0.0229271	0.293717	0.7495059	13	0.80291535
ENSG00000269386	19	RAB11B-AS1	8439257	rs2913981	19	8445832	T	C	0.266402	-0.0013713	0.00853131	0.872299	-0.332941	0.056132	3.00E-09	0.00411881	0.0256335	0.8723449	0.4224755	3	0.97700295
ENSG00000099785	19	2-Mar	8478154	rs17160520	19	8548589	A	G	0.284294	0.0288944	0.00953741	0.00244889	0.596793	0.0594733	1.07E-23	0.0484161	0.0166936	0.00372823	0.2539663	20	0.2603942
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.65052	0.168116	9.45E-23	-0.0154529	0.008657	0.07425867	0.9650768	13	0.59352468
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.37485	0.121215	8.10E-30	0.00205434	0.0125889	0.8703718	0.5066519	5	0.97700295
ENSG00000188629	19	ZNF177	9435021	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-0.867407	0.155357	2.36E-08	0.00325615	0.0199601	0.8704133	0.8181855	3	0.97700295
ENSG00000174652	19	ZNF266	9523272	rs8108483	19	9545030	T	C	0.558648	0.00163106	0.00810334	0.840478	0.941183	0.0603088	6.62E-55	0.00173299	0.00861046	0.8404908	0.8789426	20	0.97196019
ENSG00000171469	19	ZNF561	9715356	rs28590770	19	9714844	T	C	0.15507	0.00136517	0.0103696	0.89526	-0.644895	0.078107	1.50E-16	-0.0021169	0.0160816	0.8952734	0.1368668	8	0.98333484
ENSG00000080573	19	COL5A3	10070237	rs2010448	19	10103583	T	C	0.332008	0.00701436	0.00878781	0.424759	-0.523173	0.0507598	6.56E-25	-0.0134073	0.0168474	0.4261429	0.1767018	20	0.86364609
ENSG00000129347	19	KRI1	10663761	rs1465701	19	10678842	C	T	0.777336	-0.0143817	0.0094741	0.129015	0.50346	0.0559509	2.29E-19	-0.0285657	0.0190839	0.134432	0.09682491	15	0.6978893
ENSG00000267100	19	ILF3-AS1	10762538	rs147066742	19	10812563	C	T	0.0119284	0.168716	0.056224	0.00269284	1.55191	0.281928	3.70E-08	0.108715	0.0412624	0.00842053	0.2604151	8	0.30249145
ENSG00000197256	19	KANK2	11274943	rs72983206	19	11274065	A	G	0.311133	-0.0137606	0.00899327	0.125991	0.265701	0.0392066	1.23E-11	-0.0517898	0.0346993	0.1355601	0.02261083	6	0.6978893
ENSG00000267174	19	CTC-510F12.4	11411453	rs322153	19	11414351	A	C	0.294235	0.0116218	0.00890191	0.191711	-0.833472	0.087663	1.95E-21	-0.0139438	0.0107807	0.1958716	0.2796271	14	0.74217028
ENSG00000198551	19	ZNF627	11670189	rs7256301	19	11731823	C	A	0.434394	0.00710969	0.00807162	0.378412	-0.399275	0.0579314	5.49E-12	-0.0178065	0.0203801	0.3822711	0.2130138	9	0.84653068
ENSG00000197054	19	ZNF763	12035890	rs279273	19	12069444	G	T	0.0884692	-0.0218128	0.014145	0.123052	-0.685597	0.110218	4.96E-10	0.0318158	0.0212562	0.1344515	0.6749462	9	0.6978893
ENSG00000180855	19	ZNF443	12540521	rs62110698	19	12546082	A	G	0.27833	-0.0013984	0.00918214	0.878957	0.654013	0.0735161	5.78E-19	-0.0021381	0.0140417	0.8789739	0.9472492	12	0.97700295
ENSG00000242852	19	ZNF709	12571998	rs111450067	19	12617803	T	C	0.465209	0.00455502	0.00807459	0.572675	0.355427	0.064191	3.08E-08	0.0128156	0.0228356	0.5746525	0.9074482	4	0.89957869
ENSG00000269560	19	CTD-2192J16.21	12640582	rs4804715	19	12641232	A	G	0.700795	0.0140903	0.00924043	0.127296	-0.695495	0.0921879	4.55E-14	-0.0202594	0.0135548	0.1350112	0.8518564	4	0.6978893
ENSG00000213290	19	PGK1P2	12670385	rs2059850	19	12664147	A	C	0.647117	0.00456166	0.00824773	0.580208	-0.756198	0.0927257	3.49E-16	-0.0060324	0.0109319	0.5810764	0.9153391	16	0.90025533
ENSG00000105576	19	TNPO2	12810008	rs8104821	19	12774862	A	G	0.37674	0.0245805	0.00920896	0.00760344	0.232679	0.0404668	8.93E-09	0.105641	0.0436346	0.01547595	0.9669426	3	0.3522782
ENSG00000105607	19	GCDH	13001840	rs2965216	19	13071082	A	G	0.484095	0.00364131	0.00810126	0.65309	-0.526892	0.0439419	3.98E-33	-0.0069109	0.0153864	0.6533169	0.1228239	16	0.9293703
ENSG00000179115	19	FARSA	13033293	rs1799918	19	13002400	C	G	0.327038	0.00964141	0.0087353	0.26971	0.160733	0.0291647	3.56E-08	0.059984	0.0554258	0.279146	0.6006328	6	0.79306676
ENSG00000037757	19	MRI1	13875346	rs62111893	19	13874258	T	G	0.414513	-0.0047543	0.00815023	0.55967	-0.682962	0.070903	5.84E-22	0.00696127	0.0119555	0.5603888	0.7420282	4	0.89377419
ENSG00000104979	19	C19orf53	13884982	rs58793168	19	13892035	A	G	0.252485	0.0017603	0.00899847	0.844906	-0.358125	0.0404068	7.79E-19	-0.0049153	0.0251327	0.8449432	0.2558536	3	0.97214076
ENSG00000141854	19	hsa-mir-1199	14183348	rs7258963	19	14185226	C	T	0.377734	0.0119263	0.00828898	0.150203	0.532768	0.054789	2.38E-22	0.0223855	0.0157277	0.1546442	0.3820691	13	0.71396894
ENSG00000267723	19	CTD-2189E23.1	14365001	rs609626	19	14378816	G	C	0.403579	-0.004009	0.00807433	0.619532	-0.568188	0.0984914	7.98E-09	0.00705578	0.0142632	0.620823	0.3304343	3	0.91786692
ENSG00000105143	19	SLC1A6	15060846	rs62113320	19	15091008	C	T	0.314115	-0.0007637	0.00839397	0.92751	0.246766	0.0300996	2.44E-16	-0.0030947	0.034018	0.9275147	0.7740755	14	0.98793237
ENSG00000186529	19	CYP4F3	15751707	rs1290617	19	15751897	G	T	0.426441	-0.0041973	0.00851787	0.622179	-0.726735	0.0837293	3.97E-18	0.00577559	0.0117396	0.6227376	0.09492738	20	0.91838156
ENSG00000186204	19	CYP4F12	15783567	rs12975887	19	15742400	C	T	0.324056	0.0265246	0.00835931	0.00150841	0.467757	0.0738415	2.38E-10	0.0567059	0.0199877	0.00455339	0.3971034	10	0.27564874
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.06519	0.0733114	7.86E-48	0.00527903	0.00766894	0.4912227	0.8087533	20	0.87805165
ENSG00000072958	19	AP1M1	16308389	rs36029354	19	16365655	T	C	0.628231	-0.0047969	0.00822321	0.55967	0.242827	0.044088	3.63E-08	-0.0197542	0.0340539	0.5618556	0.05979832	3	0.89377419
ENSG00000105072	19	C19orf44	16607122	rs4808049	19	16608545	C	A	0.840954	0.0105954	0.00988896	0.283972	0.514444	0.0700941	2.15E-13	0.0205958	0.0194264	0.2890539	0.1773124	11	0.79708722
ENSG00000214046	19	SMIM7	16741562	rs62116934	19	16775097	A	G	0.0854871	0.0206391	0.0154462	0.181484	-0.593622	0.0853179	3.46E-12	-0.0347681	0.0264957	0.1894479	0.7159843	8	0.73499176
ENSG00000269044	19	CTC-429P9.3	16744614	rs62116934	19	16775097	A	G	0.0854871	0.0206391	0.0154462	0.181484	-0.544457	0.0962518	1.54E-08	-0.0379077	0.0291507	0.1934624	0.7322927	8	0.74141686
ENSG00000188039	19	NWD1	16830787	rs12973121	19	16828840	C	T	0.436382	0.00364853	0.00848547	0.667215	-0.454082	0.0527411	7.33E-18	-0.008035	0.0187104	0.667604	0.4902051	4	0.93322639
ENSG00000099330	19	OCEL1	17337013	rs10426800	19	17337447	T	C	0.107356	0.00017741	0.0156761	0.99097	-0.66863	0.085006	3.67E-15	-0.0002653	0.0234451	0.9909703	0.7177962	9	0.99707046
ENSG00000130312	19	MRPL34	17403418	rs7253389	19	17415781	T	G	0.426441	-0.0009474	0.00826353	0.908724	0.413597	0.0358453	8.45E-31	-0.0022906	0.0199807	0.9087285	0.2990543	20	0.985717
ENSG00000269752	19	CTD-3149D2.3	17724531	rs10404263	19	17723839	G	A	0.298211	-0.0021071	0.00933842	0.821484	-0.583599	0.100384	6.11E-09	0.00361051	0.0160135	0.8216161	0.2387938	14	0.96751805
ENSG00000130518	19	KIAA1683	18367908	rs12983444	19	18386367	G	A	0.529821	0.0156013	0.00814835	0.0555367	-0.474021	0.0656798	5.31E-13	-0.0329127	0.0177845	0.06422127	0.5624488	20	0.5674036
ENSG00000130517	19	PGPEP1	18451397	rs67348050	19	18458003	T	C	0.286282	-0.0017972	0.00812607	0.824961	-0.384451	0.0485206	2.31E-15	0.0046748	0.021145	0.8250284	0.09084022	7	0.96806096
ENSG00000254901	19	MEF2BNB	19287712	rs11085253	19	19277517	G	A	0.537773	-0.0093326	0.00830409	0.261075	0.207501	0.0346498	2.12E-09	-0.044976	0.0407181	0.2693462	0.2157179	7	0.78265812
ENSG00000160161	19	CILP2	19649057	rs34067609	19	19653524	A	G	0.168986	0.00193532	0.0128646	0.880419	0.537471	0.0788708	9.45E-12	0.00360079	0.0239413	0.8804483	0.6305589	10	0.97794714
ENSG00000105717	19	PBX4	19672522	rs7248885	19	19753292	A	G	0.418489	-0.0150047	0.00809663	0.0638543	-0.341536	0.0622688	4.14E-08	0.043933	0.0250231	0.07914041	0.3045947	4	0.60868991
ENSG00000266904	19	LINC00663	19868175	rs62134511	19	19895883	A	G	0.0397614	0.00078734	0.0233992	0.973158	-1.29604	0.190467	1.01E-11	-0.0006075	0.0180546	0.9731582	0.9468888	8	0.99453968
ENSG00000081665	19	ZNF506	19896648	rs72620575	19	19926560	G	A	0.16501	0.00234494	0.0099915	0.814446	0.61043	0.0799851	2.32E-14	0.00384146	0.0163757	0.8145327	0.7870491	20	0.96552943
ENSG00000184635	19	ZNF93	20011722	rs10407726	19	20011018	T	G	0.23161	0.00607537	0.00967822	0.530177	0.402677	0.0705679	1.16E-08	0.0150875	0.0241797	0.532646	0.7009531	7	0.88643447
ENSG00000267268	19	AC007204.2	20011777	rs8106259	19	20136417	T	C	0.78827	-0.0125633	0.00969316	0.19494	-0.678954	0.0940223	5.15E-13	0.0185039	0.0145047	0.2020567	0.811655	20	0.74217028
ENSG00000197124	19	ZNF682	20107867	rs2286923	19	20150247	C	A	0.801193	-0.0089805	0.00979783	0.359362	-0.390946	0.052435	8.93E-14	0.0229713	0.0252505	0.3629629	0.8800819	20	0.8352928
ENSG00000231205	19	ZNF826P	20451078	rs73012627	19	20733420	C	G	0.0586481	0.0329066	0.0201395	0.102273	1.35108	0.187618	5.97E-13	0.0243558	0.0152851	0.1110635	0.5739669	4	0.66474129
ENSG00000237440	19	ZNF737	20718631	rs73012627	19	20733420	C	G	0.0586481	0.0329066	0.0201395	0.102273	-0.58438	0.0983533	2.82E-09	-0.0563103	0.0357424	0.115153	0.7017126	5	0.66853336
ENSG00000188171	19	ZNF626	20802867	rs2288536	19	20828777	T	C	0.225646	0.00844815	0.00944963	0.371311	0.594103	0.0741634	1.14E-15	0.01422	0.0160045	0.3742702	0.9553756	20	0.83748989
ENSG00000105750	19	ZNF85	21106028	rs566037957	19	21135135	C	T	0.114314	-0.0132018	0.0126697	0.297413	0.798753	0.131999	1.44E-09	-0.016528	0.0160953	0.3044748	0.7663925	10	0.80523874
ENSG00000172687	19	ZNF738	21541732	rs62107470	19	21496591	C	A	0.262425	-0.0147253	0.00886684	0.0967721	-0.460705	0.0606295	2.99E-14	0.0319625	0.0197005	0.1047135	0.1726878	20	0.65730868
ENSG00000268555	19	RP11-678G14.3	21753624	rs62110205	19	21760071	G	A	0.249503	-0.009019	0.00946618	0.340711	0.755602	0.108838	3.85E-12	-0.0119362	0.0126454	0.3452131	0.431326	20	0.82996866
ENSG00000268433	19	RP11-420K14.2	21860352	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-0.684259	0.0898623	2.65E-14	-0.0089192	0.0124473	0.473648	0.9823617	16	0.87401101
ENSG00000197020	19	ZNF100	21905568	rs6511291	19	21950402	C	T	0.558648	-0.0002329	0.00806833	0.976969	-0.526757	0.0552395	1.49E-21	0.00044218	0.0153171	0.9769695	0.2864616	20	0.99453968
ENSG00000197134	19	ZNF257	22235254	rs4932962	19	22372000	T	C	0.253479	0.0128053	0.00914019	0.161218	-0.712437	0.0990564	6.37E-13	-0.0179739	0.0130706	0.1690874	0.7402209	20	0.72148239
ENSG00000197360	19	ZNF98	22573821	rs8107022	19	22618698	G	T	0.855865	0.00673215	0.0105036	0.521561	-0.50015	0.0769081	7.86E-11	-0.0134603	0.0211026	0.5235733	0.3619441	8	0.88172312
ENSG00000269332	19	CTC-457E21.3	22779059	rs16999458	19	22779198	G	A	0.0646123	-0.0059487	0.0204823	0.771488	1.21024	0.142229	1.75E-17	-0.0049153	0.016934	0.771616	0.6540467	12	0.96074603
ENSG00000269416	19	CTB-175P5.4	23582035	rs675277	19	23604186	T	C	0.253479	-0.0072968	0.00933857	0.434592	0.866192	0.0777787	8.32E-29	-0.008424	0.0108077	0.4357192	0.1240024	20	0.86824012
ENSG00000196172	19	ZNF681	23921997	rs10421297	19	24098980	C	T	0.385686	-0.0015693	0.00817998	0.847859	-0.368018	0.0669714	3.90E-08	0.0042643	0.0222407	0.8479502	0.2122179	4	0.97278648
ENSG00000268362	19	CTD-2017D11.1	24216247	rs113823784	19	24224346	C	T	0.220676	0.0126378	0.0100614	0.209091	0.926638	0.0952405	2.26E-22	0.0136383	0.0109481	0.2128637	0.4528607	20	0.74886006
ENSG00000261770	19	CTC-459F4.1	28248092	rs12976414	19	28335731	G	A	0.837972	0.0138116	0.00916794	0.131935	-1.36049	0.110646	9.53E-35	-0.0101519	0.0067891	0.1348286	0.8504684	15	0.6978893
ENSG00000267623	19	AC022153.1	28393503	rs66787850	19	28070749	A	G	0.11829	-0.0122596	0.00983733	0.212679	-0.667454	0.0869517	1.64E-14	0.0183677	0.0149316	0.2186499	0.4018304	20	0.75797537
ENSG00000105171	19	POP4	30094924	rs2241610	19	30108485	T	C	0.607356	0.00577545	0.00808423	0.474974	0.270858	0.0477423	1.40E-08	0.0213228	0.0300825	0.4784413	0.6124267	6	0.87540637
ENSG00000267213	19	AC007773.2	32880956	rs16967141	19	32971223	T	C	0.162028	0.0137065	0.00970561	0.157885	-0.918156	0.0999378	4.03E-20	-0.0149283	0.0106949	0.1627657	0.4148745	20	0.71666927
ENSG00000178904	19	DPY19L3	32896449	rs73034226	19	32897282	G	A	0.512922	-0.0060205	0.00806178	0.455188	-0.332789	0.0559557	2.72E-09	0.018091	0.0244151	0.4587083	0.7373055	7	0.87171059
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.452918	0.0460318	7.63E-23	0.00234586	0.017851	0.8954483	0.2885042	20	0.98333484
ENSG00000267475	19	CTD-2538C1.2	33177995	rs4805010	19	33276506	A	C	0.521869	0.00179485	0.00804343	0.823422	-0.426898	0.0694689	7.99E-10	-0.0042044	0.018854	0.8235372	0.3844401	16	0.96773132
ENSG00000021488	19	SLC7A9	33321415	rs61743316	19	33366829	G	C	0.186879	0.0068217	0.0102418	0.505371	-0.767591	0.0766595	1.34E-23	-0.0088872	0.0133723	0.5063091	0.4674653	20	0.8783337
ENSG00000131944	19	C19orf40	33463115	rs11556219	19	33463228	T	C	0.212724	-0.0009097	0.00950644	0.923764	-0.665812	0.114375	5.84E-09	0.00136631	0.0142799	0.9237741	0.9601652	4	0.98793237
ENSG00000131941	19	RHPN2	33469499	rs1267939	19	33625299	T	A	0.627237	0.00218031	0.00856673	0.799103	0.266087	0.0474755	2.09E-08	0.00819397	0.0322284	0.7993047	0.9473223	20	0.96425033
ENSG00000124299	19	PEPD	33877856	rs17570	19	33878837	A	G	0.256461	-0.0110813	0.0094183	0.239367	0.486656	0.0561147	4.23E-18	-0.0227703	0.0195304	0.2436586	0.6663616	20	0.76866335
ENSG00000124302	19	CHST8	34112861	rs10413669	19	33921368	C	T	0.563618	-0.0143552	0.00806503	0.0750879	0.44221	0.0650456	1.06E-11	-0.0324624	0.0188527	0.08508864	0.1472755	11	0.62176719
ENSG00000153885	19	KCTD15	34286838	rs3810361	19	34285951	C	T	0.535785	0.0103295	0.00808461	0.201365	-0.288778	0.0362002	1.50E-15	-0.0357697	0.0283527	0.2070945	0.00778764	8	0.74558582
ENSG00000089335	19	ZNF302	35168544	rs10426964	19	35183476	G	T	0.114314	-0.0014548	0.0124399	0.906901	-0.774522	0.0861592	2.49E-19	0.00187835	0.0160627	0.9069092	0.3305364	9	0.98494557
ENSG00000197841	19	ZNF181	35225060	rs4806052	19	35243100	G	A	0.317097	-0.0127216	0.00861651	0.13983	-0.405172	0.0521672	8.05E-15	0.031398	0.0216471	0.1469338	0.7831549	13	0.70919091
ENSG00000168661	19	ZNF30	35417807	rs55712935	19	35418193	T	C	0.338966	-0.0072885	0.00832274	0.381178	-0.537907	0.0637045	3.07E-17	0.0135496	0.0155554	0.3837241	0.554441	13	0.84682194
ENSG00000089351	19	GRAMD1A	35485688	rs66793381	19	35508399	T	C	0.341948	0.0112698	0.00867235	0.193767	-0.307329	0.0490709	3.78E-10	-0.0366701	0.0288195	0.2032283	0.9191073	7	0.74217028
ENSG00000011590	19	ZBTB32	36195429	rs231591	19	36224705	G	A	0.481113	0.00850069	0.00804665	0.290774	0.60818	0.100488	1.43E-09	0.0139773	0.0134307	0.298019	0.4220792	9	0.80291535
ENSG00000161265	19	U2AF1L4	36233365	rs12459634	19	36230174	C	T	0.157058	0.0243268	0.0147209	0.0984238	0.694477	0.0889907	6.00E-15	0.0350289	0.0216671	0.1059462	0.7911818	8	0.65763337
ENSG00000225872	19	AC002398.5	36279778	rs60128322	19	36259810	C	T	0.028827	0.0183928	0.0200834	0.359762	-0.954927	0.133631	8.93E-13	-0.0192609	0.0212034	0.3636715	0.3732244	7	0.8352928
ENSG00000105258	19	POLR2I	36604612	rs10419924	19	36614462	C	A	0.709742	0.00059916	0.00951878	0.94981	0.267434	0.045287	3.52E-09	0.0022404	0.035595	0.9498133	0.4069203	5	0.99289521
ENSG00000126247	19	CAPNS1	36630477	rs14100	19	36640769	C	T	0.955268	0.0139272	0.0275547	0.613251	0.679653	0.093759	4.20E-13	0.0204916	0.0406407	0.6141109	0.1638649	4	0.91423182
ENSG00000161281	19	COX7A1	36641824	rs14100	19	36640769	C	T	0.955268	0.0139272	0.0275547	0.613251	1.11189	0.148698	7.58E-14	0.0125257	0.0248384	0.6140593	0.2270438	4	0.91423182
ENSG00000196357	19	ZNF565	36673188	rs2918380	19	36734093	A	G	0.379722	-0.0062598	0.008418	0.457109	-0.620134	0.0840185	1.57E-13	0.0100942	0.0136432	0.4593785	0.7669719	13	0.87171059
ENSG00000232677	19	LINC00665	36803969	rs2967501	19	36825029	C	T	0.631213	0.00377864	0.00838207	0.652134	-0.517339	0.0604565	1.16E-17	-0.007304	0.0162247	0.6525835	0.6190958	20	0.92885582
ENSG00000186020	19	ZNF529	37025676	rs826985	19	37237338	T	C	0.345924	-0.0006403	0.0083587	0.938938	-0.254891	0.0437906	5.86E-09	0.00251212	0.0327961	0.9389431	0.4491467	3	0.99132842
ENSG00000233527	19	AC092295.7	37063972	rs3108579	19	37213620	A	G	0.599404	-0.0001256	0.00835637	0.988012	-0.927597	0.0864638	7.51E-27	0.00013536	0.00900863	0.9880122	0.5438005	17	0.99624056
ENSG00000198453	19	ZNF568	37407231	rs10404981	19	37422974	C	T	0.15507	0.00994396	0.0107412	0.354563	0.514101	0.0938972	4.37E-08	0.0193424	0.0211897	0.361337	0.5214216	10	0.8352928
ENSG00000245680	19	ZNF585B	37672481	rs546589	19	37441462	C	T	0.563618	-0.0048357	0.00810277	0.550643	0.403536	0.0695238	6.46E-09	-0.0119834	0.0201853	0.5527339	0.704194	8	0.89228994
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.30149	0.0860656	1.16E-51	-0.0048859	0.00654107	0.4550933	0.06569142	20	0.86824012
ENSG00000267422	19	CTD-2554C21.1	38270326	rs7245855	19	38274858	C	T	0.384692	-0.0113317	0.00860099	0.187677	0.546946	0.0996985	4.11E-08	-0.0207181	0.0161726	0.2001714	0.6252664	19	0.74217028
ENSG00000167644	19	C19orf33	38794801	rs112311840	19	38796572	A	G	0.183897	0.00556246	0.00969197	0.566019	-0.844242	0.0998139	2.72E-17	-0.0065887	0.0115065	0.5669102	0.1632778	17	0.89501905
ENSG00000196218	19	RYR1	38924339	rs73032627	19	39029132	G	A	0.0447316	0.00951624	0.0268273	0.722798	-1.06593	0.132028	6.83E-16	-0.0089276	0.0251923	0.7230539	0.1428972	18	0.94753093
ENSG00000268055	19	AC067969.2	39026157	rs73032627	19	39029132	G	A	0.0447316	0.00951624	0.0268273	0.722798	-1.25304	0.169954	1.67E-13	-0.0075945	0.0214345	0.7231048	0.1501275	17	0.94753093
ENSG00000269486	19	CTC-360G5.9	39425976	rs11083489	19	39409236	A	C	0.666004	-0.0050214	0.0086275	0.560552	-0.738728	0.100358	1.83E-13	0.00679736	0.0117153	0.5617718	0.4519418	18	0.89377419
ENSG00000269190	19	FBXO17	39432044	rs1865048	19	39437559	T	C	0.397614	0.00171637	0.0081585	0.833373	0.603101	0.0779018	9.80E-15	0.00284591	0.0135326	0.8334331	0.7810188	11	0.96886511
ENSG00000183760	19	PAPL	39574553	rs10405300	19	39550045	C	A	0.431412	0.0129862	0.00817175	0.112024	0.391019	0.0641892	1.12E-09	0.0332112	0.021598	0.1241233	0.4624337	4	0.67680014
ENSG00000130669	19	PAK4	39616410	rs2304090	19	39668657	C	T	0.356859	0.00922218	0.00875574	0.292217	-0.350474	0.0451303	8.11E-15	-0.0263134	0.0252113	0.2966166	0.3374193	13	0.80291535
ENSG00000105341	19	ATP5SL	41937223	rs13346603	19	41945837	A	T	0.406561	0.00356149	0.00840342	0.671701	-0.345376	0.0504895	7.89E-12	-0.0103119	0.0243779	0.6722929	0.62441	3	0.93361321
ENSG00000267107	19	AC011526.1	41960074	rs2191139	19	42001210	T	C	0.241551	0.0097563	0.00897785	0.277165	-0.300905	0.0550178	4.52E-08	-0.0324232	0.0304194	0.2864818	0.7580939	6	0.79695678
ENSG00000176531	19	PHLDB3	43979106	rs2682543	19	43982467	G	A	0.656064	-5.56E-05	0.00883183	0.994976	0.476803	0.0585581	3.88E-16	-0.0001166	0.018523	0.9949765	0.8800071	20	0.99818905
ENSG00000073050	19	XRCC1	44047192	rs3213263	19	44076154	C	T	0.600398	0.00356659	0.00811714	0.660379	-0.37767	0.0597757	2.65E-10	-0.0094437	0.0215446	0.6611462	0.9433854	6	0.93322639
ENSG00000234465	19	PINLYP	44080952	rs3213370	19	44055245	A	G	0.167992	-0.0079974	0.0105364	0.447839	-0.399758	0.0701877	1.23E-08	0.0200056	0.02659	0.4518272	0.9559109	7	0.86824012
ENSG00000104783	19	KCNN4	44270685	rs11673595	19	44299344	G	A	0.122266	-0.015077	0.0108264	0.163738	0.661654	0.0955029	4.27E-12	-0.0227868	0.0166899	0.1721572	0.7206001	12	0.72148239
ENSG00000176222	19	ZNF404	44376515	rs108775	19	44405922	C	G	0.512922	-0.0039527	0.00806048	0.623866	-0.612162	0.0622704	8.30E-23	0.00645693	0.0131836	0.6242966	0.8749226	20	0.91838156
ENSG00000159917	19	ZNF235	44732882	rs2722751	19	44799591	C	T	0.67495	-0.0013529	0.00860618	0.875084	-0.387621	0.0696709	2.64E-08	0.00349034	0.0222114	0.8751331	0.3113031	8	0.97700295
ENSG00000167384	19	ZNF180	44979854	rs2571041	19	44988269	G	A	0.662028	-0.0062294	0.00829927	0.452899	0.502367	0.068478	2.20E-13	-0.0124	0.0166066	0.4552487	0.4228317	18	0.86824012
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.37505	0.117202	8.71E-32	-0.0045731	0.00737593	0.5352596	0.7522143	17	0.88745609
ENSG00000234906	19	APOC2	45449243	rs2288911	19	45449284	G	T	0.493042	0.0190192	0.00806027	0.0182936	0.764543	0.0792838	5.26E-22	0.0248766	0.0108536	0.02190546	0.9424497	15	0.40630032
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.452074	0.0628064	6.11E-13	-0.0021913	0.0178691	0.9024009	0.5418858	8	0.98439248
ENSG00000104892	19	KLC3	45836692	rs12972985	19	45843315	T	G	0.364811	-0.0064955	0.00821167	0.42894	0.555975	0.0751819	1.41E-13	-0.0116831	0.0148541	0.4315626	0.3760903	16	0.86609543
ENSG00000012061	19	ERCC1	45910591	rs2298881	19	45926916	A	C	0.111332	-0.0150472	0.0111745	0.17812	-0.638573	0.111893	1.15E-08	0.0235638	0.0179797	0.1900003	0.5939084	3	0.73499176
ENSG00000125755	19	SYMPK	46318668	rs113222530	19	46361183	G	A	0.110338	-0.0142802	0.0112854	0.205741	-0.472064	0.0768699	8.20E-10	0.0302506	0.0244087	0.2152219	0.427456	7	0.75136482
ENSG00000268401	19	CTC-344H19.4	46530912	rs756401	19	46543249	C	T	0.597416	-0.0243574	0.00810682	0.00265968	0.366217	0.0642645	1.21E-08	-0.0665108	0.0250251	0.00786602	0.018151	3	0.29200804
ENSG00000169515	19	CCDC8	46913629	rs8100952	19	46938483	T	C	0.575547	0.0123234	0.0080953	0.127936	-0.338231	0.0475156	1.09E-12	-0.0364349	0.0244754	0.1365847	0.4440672	9	0.6978893
ENSG00000182013	19	PNMAL1	46969748	rs11083832	19	46970739	T	C	0.702783	0.00975686	0.00885488	0.270522	-0.260071	0.028881	2.16E-19	-0.0375161	0.0343019	0.2740843	0.71517	20	0.79010836
ENSG00000245598	19	DACT3-AS1	47163621	rs314667	19	47164986	A	G	0.65507	-0.0214586	0.00854058	0.0119862	-0.640637	0.102206	3.65E-10	0.0334957	0.0143625	0.01969231	0.5825847	15	0.38776606
ENSG00000105287	19	PRKD2	47177532	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.437005	0.0534865	3.07E-16	0.05239	0.0199169	0.00852765	0.01983633	8	0.30300962
ENSG00000134815	19	DHX34	47852538	rs2694542	19	47894509	C	T	0.356859	0.00041951	0.00853304	0.960789	0.363188	0.0549945	4.00E-11	0.00115508	0.0234955	0.9607902	0.6047426	13	0.99428844
ENSG00000105419	19	MEIS3	47906381	rs1469088	19	47905687	G	C	0.610338	0.00336896	0.00826176	0.683436	0.570552	0.0985561	7.08E-09	0.00590474	0.0145162	0.6841772	0.7025417	6	0.93934283
ENSG00000105483	19	CARD8	48684027	rs116950953	19	48732930	T	C	0.0427435	0.0637044	0.0283751	0.0247628	-0.630299	0.0783057	8.33E-16	-0.10107	0.0467368	0.03057674	0.0514774	10	0.47597792
ENSG00000105479	19	CCDC114	48799714	rs156674	19	48822529	C	T	0.371769	0.00237287	0.00854771	0.781317	-0.385396	0.0602293	1.57E-10	-0.006157	0.0221999	0.7815174	0.9196257	7	0.96335446
ENSG00000105443	19	CYTH2	48972289	rs1799258	19	48977019	T	C	0.888668	0.0125889	0.0117483	0.283924	0.583279	0.103385	1.68E-08	0.021583	0.0205019	0.2924642	0.4409429	6	0.80139604

ENSG00000232871	19	SEC1P	49141328	rs8102492	19	49140809	C	A	0.782306	0.00896165	0.00867326	0.301487	0.590096	0.0975223	1.44E-09	0.0151868	0.0149108	0.3084367	0.135788	8	0.80584798
ENSG00000176920	19	FUT2	49199228	rs571689	19	49207554	T	C	0.467197	0.00721871	0.00818057	0.377549	0.418144	0.0627912	2.75E-11	0.0172637	0.019735	0.3816965	0.9278623	19	0.84653068
ENSG00000176909	19	MAMSTR	49215999	rs35866622	19	49218060	T	C	0.440358	0.00890638	0.00851964	0.295841	0.425507	0.0749715	1.38E-08	0.0209312	0.0203591	0.303903	0.7570125	15	0.80442017
ENSG00000087076	19	HSD17B14	49316274	rs8110220	19	49339098	C	T	0.267396	-0.0021664	0.00918945	0.81363	-0.477985	0.0574284	8.57E-17	0.0045323	0.0192331	0.8137036	0.00482576	16	0.96552943
ENSG00000183207	19	RUVBL2	49496705	rs113328808	19	49512700	C	T	0.0934394	-0.0146829	0.0117279	0.210585	-0.536255	0.062252	7.04E-18	0.0273804	0.0220998	0.2153652	0.5620147	9	0.75136482
ENSG00000104818	19	CGB2	49535169	rs28498767	19	49550070	G	A	0.304175	0.00243906	0.00854261	0.775249	0.852977	0.0923225	2.49E-20	0.00285947	0.0100198	0.7753525	0.4671998	12	0.96227309
ENSG00000074219	19	TEAD2	49843852	rs11882257	19	49863489	G	T	0.259443	-0.0126248	0.00872946	0.148114	0.292208	0.046444	3.14E-10	-0.0432048	0.0306532	0.1586958	0.8573506	7	0.71666927
ENSG00000268686	19	AC010524.2	49871962	rs10411630	19	49891314	A	C	0.235586	0.0142014	0.0108095	0.188917	-0.63394	0.107221	3.37E-09	-0.0224018	0.0174672	0.1996646	0.3193127	7	0.74217028
ENSG00000161618	19	ALDH16A1	49956426	rs12443	19	49950356	G	C	0.754473	-0.014753	0.00877073	0.092555	-0.538466	0.0582915	2.52E-20	0.0273982	0.0165562	0.09795286	0.00395487	7	0.64834522
ENSG00000126457	19	PRMT1	50179043	rs12976076	19	50154408	T	C	0.0357853	0.00707897	0.0265403	0.789682	0.636213	0.101687	3.93E-10	0.0111267	0.041754	0.789867	0.9467472	4	0.96351947
ENSG00000169169	19	CPT1C	50194155	rs1075453	19	50194399	C	G	0.406561	0.00041305	0.00845702	0.961046	-0.194297	0.029583	5.10E-11	-0.0021259	0.0435275	0.9610471	0.06636391	6	0.99428844
ENSG00000039650	19	PNKP	50364461	rs2257103	19	50370066	T	C	0.406561	0.00596491	0.00831595	0.473198	0.512731	0.0669881	1.95E-14	0.0116336	0.01629	0.4751305	0.3393672	12	0.8740583
ENSG00000161640	19	SIGLEC11	50452242	rs62113133	19	50462298	C	G	0.241551	0.00087101	0.0102585	0.932336	0.520591	0.0931578	2.29E-08	0.00167312	0.0197078	0.9323437	0.5955259	3	0.99052049
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.835405	0.065238	1.53E-37	0.0114084	0.0105416	0.2791479	0.09243251	17	0.79306676
ENSG00000204653	19	ASPDH	51014857	rs3956157	19	50977689	A	G	0.588469	0.00237666	0.00813365	0.770133	-0.353044	0.0547614	1.14E-10	-0.0067319	0.0230623	0.7703621	0.4525676	10	0.96074603
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.906166	0.0946996	1.08E-21	0.00811527	0.0101967	0.4261081	0.9674625	9	0.86364609
ENSG00000129451	19	KLK10	51515995	rs7255930	19	51521918	C	T	0.619284	-0.0024201	0.00832739	0.771346	-0.637435	0.103435	7.15E-10	0.00379656	0.0130784	0.771593	0.1518807	5	0.96074603
ENSG00000262874	19	CTD-2616J11.4	51891543	rs8104425	19	51892683	C	T	0.161034	0.00533615	0.0126111	0.672201	0.87232	0.107576	5.11E-16	0.00611719	0.0144766	0.672619	0.848092	6	0.93366943
ENSG00000105497	19	ZNF175	52074551	rs7245838	19	52074366	G	T	0.753479	-0.0111408	0.00936939	0.234416	0.353803	0.0616365	9.46E-09	-0.0314887	0.0270441	0.2442844	0.4275761	3	0.76866335
ENSG00000254415	19	SIGLEC14	52145806	rs112456998	19	52125447	T	C	0.109344	0.0112439	0.0113129	0.320271	-0.757737	0.10245	1.40E-13	-0.0148388	0.0150641	0.3246012	0.00274079	10	0.81251095
ENSG00000243469	19	RPL7P51	52152115	rs872629	19	52130638	A	C	0.124254	-0.0073576	0.010921	0.500496	0.858458	0.116587	1.79E-13	-0.0085707	0.0127748	0.502281	0.09233887	10	0.87805165
ENSG00000171051	19	FPR1	52248425	rs4802859	19	52255196	G	A	0.658052	0.00815902	0.00892232	0.360481	0.286132	0.0482077	2.93E-09	0.0285149	0.0315504	0.3661084	0.4611791	4	0.8352928
ENSG00000161551	19	ZNF577	52359055	rs7256792	19	52353249	T	C	0.389662	-0.0019642	0.00843682	0.815906	-0.425828	0.0630551	1.45E-11	0.00461268	0.0198245	0.8160132	0.0897807	6	0.96552943
ENSG00000198093	19	ZNF649	52392477	rs10423838	19	52387283	T	C	0.146123	0.00849329	0.010551	0.420835	-0.562065	0.0862769	7.29E-11	-0.0151109	0.0189146	0.4243489	0.7036129	20	0.86364609
ENSG00000269235	19	HCCAT3	52452387	rs8104626	19	52480617	A	G	0.107356	-0.0130007	0.0140094	0.353409	0.75391	0.104529	5.50E-13	-0.0172444	0.0187355	0.3573581	0.2126224	20	0.83410235
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	1.11388	0.0719634	4.85E-54	0.00813646	0.00745161	0.2748742	0.2072825	18	0.79054752
ENSG00000269834	19	CTD-3018O17.3	52892095	rs200802710	19	52924909	A	G	0.0884692	-0.0107236	0.0163276	0.511325	-0.649898	0.104614	5.22E-10	0.0165004	0.0252633	0.5136676	0.5567362	9	0.87915151
ENSG00000167555	19	ZNF528	52901102	rs4802932	19	52917907	G	A	0.769384	-0.0027749	0.00920763	0.763131	0.699665	0.0589069	1.55E-32	-0.0039661	0.0131643	0.7632049	0.4774816	19	0.95964323
ENSG00000198633	19	ZNF534	52932440	rs75774622	19	52927865	A	G	0.0894632	-0.0178806	0.0164781	0.277871	1.12771	0.123878	8.75E-20	-0.0158557	0.0147154	0.2812635	0.3833304	15	0.7939986
ENSG00000167766	19	ZNF83	53097313	rs7256557	19	53119166	A	G	0.350895	-0.017054	0.00834443	0.0409779	0.522935	0.0683533	2.00E-14	-0.0326121	0.0165165	0.04832295	0.6494056	15	0.52721476
ENSG00000189190	19	ZNF600	53267448	rs13382164	19	53304563	C	T	0.308151	0.0122416	0.00874721	0.161666	0.394719	0.0721482	4.48E-08	0.0310135	0.0228742	0.1751534	0.8803969	8	0.72148239
ENSG00000268225	19	CTD-2331H12.5	53365060	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.43903	0.0594982	1.60E-13	-0.0264034	0.0193039	0.1713819	0.1627239	9	0.72148239
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.512621	0.0493367	2.75E-25	-0.022613	0.0163913	0.1677175	0.5254406	16	0.72148239
ENSG00000170954	19	ZNF415	53611132	rs12985137	19	53617818	T	C	0.579523	0.0131474	0.00810928	0.104957	0.367293	0.0659912	2.61E-08	0.0357954	0.0229961	0.1195695	0.8876682	3	0.67160257
ENSG00000269001	19	ZNF818P	53716241	rs4801969	19	53713596	T	G	0.413519	0.004688	0.00844252	0.578701	-0.526232	0.0673997	5.83E-15	-0.0089086	0.0160839	0.5796573	0.7925847	16	0.89957869
ENSG00000196417	19	ZNF765	53893046	rs3761113	19	53929446	A	G	0.22167	-0.0067391	0.00953505	0.479709	-0.502328	0.0830113	1.44E-09	0.0134157	0.0191108	0.4826802	0.7788479	6	0.87638737
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-1.0495	0.106461	6.32E-23	0.00365167	0.00983851	0.7105177	0.6798834	20	0.94571146
ENSG00000250731	19	TPM3P6	53982604	rs2617758	19	53936537	C	T	0.582505	-0.0087334	0.00854214	0.306599	-0.583325	0.104192	2.16E-08	0.0149717	0.0148861	0.3145351	0.3295358	4	0.80834532
ENSG00000213777	19	CTD-2224J9.8	54006646	rs2708824	19	54006497	A	G	0.744533	-0.006851	0.00945058	0.468495	-0.63201	0.0957837	4.16E-11	0.01084	0.0150432	0.4711599	0.4518844	10	0.8735513
ENSG00000130433	19	CACNG6	54495542	rs3810245	19	54495049	G	A	0.486083	0.0167715	0.00813101	0.0391444	-0.343272	0.0572001	1.96E-09	-0.0488578	0.0250468	0.05109798	0.3358372	9	0.54484242
ENSG00000170906	19	NDUFA3	54606036	rs75622830	19	54611734	G	A	0.0994036	0.00493335	0.0135927	0.71665	0.425449	0.0563209	4.22E-14	0.0115956	0.0319859	0.7169613	0.2040081	8	0.94753093
ENSG00000167608	19	TMC4	54663846	rs653560	19	54677103	G	C	0.2167	-0.0029496	0.00992907	0.766419	0.639457	0.0635369	7.94E-24	-0.0046126	0.0155341	0.7665171	0.2227863	19	0.96005533
ENSG00000170889	19	RPS9	54704610	rs2304524	19	54705340	G	C	0.420477	-0.0060312	0.00821989	0.463115	-0.326817	0.0401665	4.07E-16	0.0184542	0.0252534	0.464925	0.109113	8	0.87345602
ENSG00000239961	19	LILRA4	54844456	rs10418607	19	54857911	C	A	0.480119	0.00200251	0.00824004	0.807988	-0.546059	0.0781831	2.86E-12	-0.0036672	0.0150991	0.8081023	0.8119197	3	0.96552943
ENSG00000268496	19	CTD-2587H19.2	54945363	rs10402317	19	54956421	A	G	0.341948	0.00212308	0.00810517	0.793367	0.360858	0.0550376	5.51E-11	0.00588342	0.0224787	0.7935276	0.9145108	16	0.96351947
ENSG00000267838	19	AC008746.12	54949847	rs10401901	19	54956254	C	A	0.307157	0.00023228	0.00925355	0.979974	-0.537265	0.067026	1.09E-15	-0.0004323	0.0172235	0.9799737	0.9910733	18	0.99457747
ENSG00000226696	19	LENG8-AS1	54955991	rs1981829	19	54974774	A	T	0.363817	0.00188954	0.00808218	0.815147	0.318655	0.0520476	9.22E-10	0.00592974	0.0253819	0.8152795	0.8802577	10	0.96552943
ENSG00000104970	19	KIR3DX1	55043909	rs2019042	19	55059321	T	C	0.112326	0.0189022	0.013507	0.161682	0.96693	0.126182	1.82E-14	0.0195487	0.0142	0.1686146	0.561238	12	0.72148239
ENSG00000022556	19	NLRP2	55464498	rs4422092	19	55474210	A	G	0.44334	-0.0058256	0.00824967	0.480088	0.656983	0.0712545	2.96E-20	-0.0088672	0.0125937	0.4813708	0.6644849	20	0.87638737
ENSG00000160439	19	RDH13	55550476	rs62122059	19	55570994	A	G	0.148111	-0.0006825	0.0116955	0.953462	-0.60815	0.109482	2.78E-08	0.00112234	0.0192323	0.9534645	0.446895	4	0.99390161
ENSG00000180089	19	TMEM86B	55738007	rs3826886	19	55741205	A	G	0.159046	-0.01077	0.0115211	0.349889	0.462241	0.0646527	8.70E-13	-0.0232995	0.0251366	0.3539696	0.5541801	9	0.83394496
ENSG00000108107	19	RPL28	55896713	rs17700376	19	55897327	G	A	0.37674	0.0024536	0.008364	0.769253	-0.284733	0.0358182	1.87E-15	-0.0086172	0.0293949	0.7694053	0.7086513	8	0.96074603
ENSG00000267454	19	ZNF582-AS1	56905025	rs59858465	19	56912996	G	A	0.498012	-0.0029438	0.00820143	0.71964	-0.626012	0.076671	3.22E-16	0.00470251	0.0131137	0.7198983	0.1780368	19	0.94753093
ENSG00000198046	19	ZNF667	56950694	rs10423274	19	56979877	G	A	0.15507	-0.0117096	0.0137205	0.393417	0.312242	0.0469832	3.02E-11	-0.0375017	0.0443027	0.3972811	0.5631902	10	0.84924862
ENSG00000166770	19	ZNF667-AS1	56988619	rs4801323	19	56991470	G	T	0.72167	-0.0090645	0.00831975	0.275928	-0.56797	0.0568469	1.67E-23	0.0159594	0.0147351	0.2787677	0.06440325	20	0.79306676
ENSG00000196263	19	ZNF471	57019212	rs993510	19	57046781	T	A	0.49006	-0.0141578	0.00809993	0.0804822	-0.250054	0.042636	4.50E-09	0.056619	0.0338007	0.09391796	0.6610801	4	0.64364321
ENSG00000269696	19	AC007228.11	57056935	rs12981980	19	57050648	A	G	0.292247	-0.0180638	0.00895414	0.0436576	0.844412	0.0890437	2.47E-21	-0.0213922	0.0108413	0.04847124	0.3811836	20	0.52721476
ENSG00000105146	19	AURKC	57742377	rs4801443	19	57731307	C	T	0.661034	-0.0113196	0.00825456	0.170277	-0.551879	0.0954469	7.38E-09	0.020511	0.0153721	0.1821049	0.7868239	6	0.72535925
ENSG00000267871	19	CTC-444N24.6	57778588	rs10404485	19	57790063	C	T	0.26839	-0.0010114	0.00981578	0.917931	0.70706	0.112133	2.87E-10	-0.0014305	0.0138844	0.917942	0.9867734	13	0.98647463
ENSG00000131845	19	ZNF304	57862675	rs12983221	19	57872174	T	C	0.513917	-0.0001607	0.00806757	0.984112	0.444637	0.0540764	1.99E-16	-0.0003613	0.0181442	0.9841118	0.5650927	16	0.99575581
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	1.08514	0.0648334	7.00E-63	-0.000901	0.00745378	0.9037822	0.5896749	20	0.98439248
ENSG00000178201	19	VN1R1	57966542	rs67586127	19	57969810	G	A	0.359841	-0.0262137	0.00888697	0.00318105	0.509533	0.0782175	7.30E-11	-0.0514465	0.0191461	0.00720857	0.04119705	9	0.28385138
ENSG00000268266	19	AC003005.2	57989017	rs12977532	19	57984037	A	G	0.352883	-0.0278476	0.0089032	0.00176108	-0.801652	0.102518	5.30E-15	0.0347378	0.0119616	0.00368297	0.1026398	20	0.2603942
ENSG00000105136	19	ZNF419	57999079	rs6510074	19	57980167	T	C	0.640159	-0.0034908	0.00840688	0.677969	-0.519575	0.0693342	6.69E-14	0.00671865	0.0162051	0.6784347	0.06610012	12	0.93712252
ENSG00000083828	19	ZNF586	58281023	rs7255898	19	58313576	A	G	0.593439	0.0152914	0.008163	0.0610323	0.484825	0.0752144	1.15E-10	0.03154	0.0175336	0.07204459	0.124627	16	0.58788723
ENSG00000204514	19	ZNF814	58360099	rs8103104	19	58355699	C	T	0.383698	0.0155964	0.00814226	0.0554307	-0.432916	0.0615849	2.07E-12	-0.0360264	0.0194937	0.06458719	0.7073831	17	0.56817056
ENSG00000269867	19	CTD-2583A14.8	58378406	rs7256066	19	58378690	A	G	0.27833	0.00642335	0.00848057	0.448799	0.461818	0.0794686	6.20E-09	0.0139088	0.0185188	0.4526122	0.6065212	4	0.86824012
ENSG00000270804	19	CTD-2583A14.11	58379253	rs10406133	19	58379986	T	C	0.287276	0.00582301	0.0084775	0.49216	0.691222	0.0821562	3.98E-17	0.00842423	0.0123053	0.493596	0.05115199	20	0.87805165
ENSG00000173480	19	ZNF417	58411664	rs60861531	19	58426783	T	C	0.243539	0.0103512	0.00874936	0.236779	0.377323	0.0645197	4.97E-09	0.0274333	0.0236577	0.2462155	0.6059595	10	0.76959804
ENSG00000177025	19	C19orf18	58469805	rs11084525	19	58485189	G	T	0.225646	0.028844	0.00949378	0.00237996	0.426367	0.0645608	4.00E-11	0.0676506	0.02451	0.00577789	0.06203153	20	0.28190919
ENSG00000176593	19	CTD-2368P22.1	58513429	rs11669327	19	58517977	C	T	0.697813	0.0160473	0.00887496	0.070583	-0.44102	0.0621402	1.27E-12	-0.0363868	0.0207665	0.07974235	0.1678382	10	0.60868991
ENSG00000121413	19	ZSCAN18	58595205	rs2260914	19	58598784	G	A	0.767396	-0.0027828	0.00916655	0.761444	0.445644	0.0595651	7.34E-14	-0.0062445	0.0205861	0.7616349	0.9876477	10	0.95964323
ENSG00000181894	19	ZNF329	58637619	rs176981	19	58655580	C	T	0.847913	0.00026481	0.0103439	0.979576	0.558018	0.0914456	1.05E-09	0.00047455	0.018537	0.9795765	0.7316002	5	0.99456097
ENSG00000121410	19	A1BG	58856544	rs1265960	19	58859822	A	G	0.932406	-0.0157419	0.0201355	0.434333	0.583466	0.0981202	2.74E-09	-0.02698	0.0348071	0.4382641	0.04419899	6	0.86824012
ENSG00000083807	19	SLC27A5	58990879	rs56225452	19	59024646	T	C	0.217694	-0.0166629	0.01055	0.11424	0.315442	0.055726	1.51E-08	-0.052824	0.0347226	0.1281814	0.4311498	10	0.68692622
ENSG00000213753	19	RPL23AP79	59084870	rs10413586	19	59071321	T	C	0.589463	-0.0058957	0.0084831	0.487061	0.488109	0.0532323	4.76E-20	-0.0120786	0.0174294	0.4883074	0.4797724	13	0.87805165
ENSG00000101255	20	TRIB3	361261	rs62191434	20	360062	C	T	0.437376	0.00624943	0.00809279	0.439982	0.714124	0.0762569	7.63E-21	0.00875118	0.0113709	0.4415314	0.8148504	19	0.86824012
ENSG00000125895	20	TMEM74B	1161205	rs73577451	20	1172157	G	T	0.0795229	0.0132915	0.0236091	0.573447	0.409943	0.0640318	1.53E-10	0.0324228	0.0578134	0.5749217	0.571045	4	0.89957869
ENSG00000196209	20	SIRPB2	1451386	rs6110262	20	1488290	G	A	0.141153	-0.0232957	0.0137396	0.0899788	-0.476962	0.0628429	3.21E-14	0.0488418	0.0295165	0.09797973	0.3951157	5	0.64834522
ENSG00000101307	20	SIRPB1	1544167	rs59317774	20	1888865	G	A	0.375746	-0.0015576	0.00836759	0.852328	1.09597	0.0756359	1.40E-47	-0.0014212	0.0076355	0.8523408	0.9999679	20	0.97423149
ENSG00000230839	20	RP5-968J1.1	1784662	rs687913	20	1785597	C	T	0.658052	-0.0163918	0.00833145	0.0491292	0.4484	0.0757619	3.25E-09	-0.0365562	0.0195801	0.06190074	0.2144452	3	0.56209024
ENSG00000149488	20	TMC2	2517253	rs6106931	20	2522672	T	A	0.54175	0.0081418	0.00805439	0.312087	-0.403528	0.0702372	9.18E-09	-0.0201765	0.0202665	0.319464	0.8433251	12	0.8099842
ENSG00000125877	20	ITPA	3189514	rs7270101	20	3193893	C	A	0.129225	-0.0024956	0.0146584	0.864813	-0.61567	0.0722324	1.55E-17	0.00405347	0.0238136	0.8648398	0.1402305	20	0.97675342
ENSG00000132622	20	HSPA12B	3713314	rs45495794	20	3734167	C	T	0.0596421	-0.0759165	0.0238023	0.00142538	1.593	0.140978	1.32E-29	-0.0476563	0.0155256	0.00214398	0.375863	5	0.22608657
ENSG00000088888	20	MAVS	3827487	rs12480978	20	3862584	T	C	0.208748	0.0110385	0.0094722	0.243876	-0.260887	0.0431361	1.47E-09	-0.0423114	0.0369755	0.2524957	0.2253266	6	0.77199343
ENSG00000101236	20	RNF24	3907956	rs241623	20	3921964	C	T	0.447316	0.00829405	0.00832897	0.319344	0.41177	0.0531924	9.85E-15	0.0201424	0.0203939	0.3233148	0.4574145	19	0.8117635
ENSG00000089063	20	TMEM230	5080486	rs911108	20	5078377	A	G	0.548708	0.00108515	0.00813954	0.893942	0.444147	0.0523006	2.03E-17	0.00244322	0.0183285	0.8939546	0.248799	11	0.9832899
ENSG00000101290	20	CDS2	5107432	rs3746678	20	5178530	A	T	0.44334	-0.0065045	0.00831963	0.434315	0.513546	0.0528149	2.39E-22	-0.0126659	0.0162526	0.4357947	0.6324024	20	0.86824012
ENSG00000226995	20	LINC00658	5407541	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	0.901594	0.141516	1.88E-10	0.0184561	0.0170449	0.2789004	0.3083128	3	0.79306676
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	1.08989	0.112252	2.75E-22	0.00300054	0.00905382	0.7403336	0.6287083	14	0.95056973
ENSG00000205181	20	LINC00654	5476713	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	1.02404	0.12023	1.63E-17	0.0162493	0.014911	0.2758242	0.4975675	4	0.79093799
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.491007	0.0640845	1.83E-14	0.00650357	0.0201197	0.7465107	0.3841643	13	0.95384439
ENSG00000101251	20	SEL1L2	13829893	rs4477989	20	14041717	A	G	0.210736	0.0186755	0.0104048	0.0726708	0.561199	0.102173	3.96E-08	0.0332779	0.0195051	0.08798792	0.8824252	10	0.62775694
ENSG00000149474	20	CSRP2BP	18118762	rs6075298	20	18181687	G	A	0.469185	0.015607	0.00813641	0.0550896	0.307951	0.0555864	3.02E-08	0.0506801	0.02796	0.06989425	0.01338683	4	0.58396716
ENSG00000101310	20	SEC23B	18488137	rs6045505	20	18592900	G	A	0.925447	0.00754908	0.0148366	0.610882	-0.828449	0.100422	1.59E-16	-0.0091123	0.0179429	0.6115588	0.682545	18	0.91370462
ENSG00000232388	20	LINC00493	18548064	rs6081174	20	18483977	T	C	0.50497	-0.0161057	0.00823468	0.0504836	-0.278367	0.0499783	2.55E-08	0.0578578	0.031353	0.06498378	0.3355868	9	0.56817056
ENSG00000125821	20	DTD1	18568537	rs2148926	20	18388717	T	C	0.890656	0.00194058	0.0123245	0.874885	-0.351814	0.0604132	5.76E-09	-0.0055159	0.0350441	0.87493	0.3334631	20	0.97700295
ENSG00000088930	20	XRN2	21283942	rs79399241	20	21474417	G	C	0.0447316	0.0160845	0.020807	0.439503	-0.601715	0.103322	5.76E-09	-0.0267311	0.0348828	0.443491	0.06037038	5	0.86824012
ENSG00000270001	20	RP11-218C14.8	23612463	rs2254635	20	23622758	G	T	0.779324	0.0205191	0.00981565	0.0365772	0.365695	0.0573244	1.78E-10	0.0561099	0.0282454	0.04697656	0.4064605	11	0.52621691
ENSG00000225056	20	RP11-218C14.5	23635862	rs2424590	20	23636980	T	C	0.849901	0.0110096	0.010657	0.301563	-0.630229	0.0925089	9.58E-12	-0.0174692	0.017103	0.3070607	0.803303	12	0.80584798
ENSG00000101474	20	APMAP	24943561	rs6037002	20	24967620	C	A	0.0924453	-0.0492081	0.0190105	0.00964007	-0.699942	0.104914	2.53E-11	0.0703031	0.0291327	0.01581303	0.1751798	5	0.3522782
ENSG00000100987	20	VSX1	25051521	rs2207635	20	25071504	C	T	0.228628	-0.0130248	0.0101215	0.198149	-0.561413	0.0699977	1.05E-15	0.0232	0.0182592	0.203873	0.4181211	17	0.74217028
ENSG00000100997	20	ABHD12	25275379	rs2424711	20	25286059	T	C	0.429423	-0.0032616	0.00809703	0.687084	0.269982	0.0362024	8.81E-14	-0.0120808	0.0300347	0.6875162	0.5579218	20	0.93988406
ENSG00000101004	20	NINL	25433341	rs12625991	20	25570010	A	G	0.157058	-0.0026396	0.0117684	0.822529	0.479617	0.0823201	5.67E-09	-0.0055035	0.0245553	0.8226585	0.1924168	11	0.96757179
ENSG00000175170	20	FAM182B	25744102	rs449801	20	25491847	T	C	0.542744	-0.0015962	0.0081314	0.844376	0.724895	0.0852324	1.82E-17	-0.002202	0.0112203	0.8444176	0.188369	20	0.97214076
ENSG00000125804	20	FAM182A	26035291	rs2721984	20	26079556	A	G	0.508946	-0.0131453	0.00807358	0.103485	-0.807091	0.0840515	7.81E-22	0.0162873	0.0101461	0.1084335	0.8151793	20	0.65854606
ENSG00000205611	20	RP4-610C12.4	29513582	rs6119125	20	29641570	C	G	0.522863	-0.0187987	0.00809703	0.0202502	0.484009	0.0768214	2.97E-10	-0.0388396	0.0178288	0.02937039	0.9493422	20	0.46490964
ENSG00000101306	20	MYLK2	30407111	rs7265413	20	30317923	A	G	0.235586	-5.31E-05	0.00871531	0.99514	-0.346011	0.0612512	1.61E-08	0.00015342	0.025188	0.99514	0.6544279	8	0.99818905
ENSG00000198547	20	C20orf203	31219428	rs112089953	20	31275239	T	C	0.242545	-0.0016673	0.00983722	0.865416	0.592102	0.0648748	7.05E-20	-0.0028158	0.0166169	0.865439	0.4313914	16	0.97675342
ENSG00000101412	20	E2F1	32263489	rs55990870	20	32302908	T	C	0.241551	-0.0133621	0.00964035	0.16573	-0.403592	0.0650726	5.57E-10	0.0331079	0.0244756	0.1761539	0.1665302	7	0.72148239
ENSG00000101460	20	MAP1LC3A	33134658	rs6088536	20	33189106	C	T	0.496024	0.00031496	0.00812639	0.969084	0.219155	0.0344549	2.01E-10	0.00143714	0.0370812	0.9690846	0.7081732	20	0.99428844
ENSG00000131069	20	ACSS2	33459949	rs1801310	20	33517014	G	A	0.571571	0.0148978	0.00822533	0.0701084	0.344661	0.046551	1.32E-13	0.0432245	0.0245687	0.07852095	0.2938762	20	0.60825826
ENSG00000088298	20	EDEM2	33703167	rs6120854	20	33757180	T	C	0.230616	0.00013502	0.00924064	0.988342	-0.36319	0.0592692	8.91E-10	-0.0003718	0.0254431	0.9883425	0.548545	7	0.99626631
ENSG00000126005	20	MMP24-AS1	33804265	rs2297789	20	33867248	T	A	0.200795	0.0204524	0.00965069	0.0340675	-0.616143	0.0647823	1.89E-21	-0.0331942	0.0160472	0.03858941	0.8810601	10	0.5022598
ENSG00000101019	20	UQCC1	33890369	rs6060355	20	33890061	A	G	0.399602	-0.0003136	0.00811188	0.969159	-0.193578	0.033527	7.75E-09	0.00162017	0.0419059	0.9691597	0.4779783	7	0.99428844
ENSG00000125991	20	ERGIC3	34129770	rs6087720	20	34169284	G	T	0.205765	0.0188026	0.0113153	0.096574	0.312241	0.0522906	2.35E-09	0.0602182	0.037616	0.1094065	0.1167077	13	0.65854606
ENSG00000224497	20	RPL36P4	34132175	rs12481365	20	34131396	T	C	0.149105	0.00108002	0.0140314	0.938646	1.16447	0.099064	6.68E-32	0.00092748	0.0120499	0.9386474	0.2923254	20	0.99132842
ENSG00000214078	20	CPNE1	34213953	rs74355238	20	34441541	G	A	0.107356	0.00894782	0.0146538	0.541456	-1.03806	0.0810747	1.56E-37	-0.0086198	0.0141326	0.5419141	0.9314079	20	0.88821024
ENSG00000149636	20	DSN1	35380194	rs115694726	20	35423437	A	G	0.0407555	0.0302212	0.0206205	0.14276	-0.909015	0.145718	4.43E-10	-0.0332461	0.0233021	0.1536538	0.8914166	5	0.71396894
ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.26801	0.0988113	1.08E-37	0.00312418	0.00871453	0.7199675	0.4512573	18	0.94753093
ENSG00000196756	20	SNHG17	37049235	rs788347	20	37062583	T	C	0.159046	0.0114055	0.0110916	0.30381	1.30008	0.0883162	4.74E-49	0.00877292	0.00855226	0.3049854	0.665535	20	0.80532898
ENSG00000132793	20	LPIN3	39969560	rs4812497	20	39970573	C	T	0.253479	0.00407998	0.00881695	0.643548	0.289454	0.0469149	6.84E-10	0.0140954	0.0305462	0.6444781	0.07321625	10	0.92525205
ENSG00000183798	20	EMILIN3	39988606	rs4810317	20	40023046	T	C	0.213718	0.00623052	0.00862337	0.469977	-0.469327	0.0850419	3.41E-08	-0.0132754	0.0185307	0.473743	0.2423774	4	0.87401101
ENSG00000101052	20	IFT52	42219571	rs16988169	20	42218676	A	G	0.0417495	0.00292187	0.0172423	0.865435	-1.10666	0.156159	1.37E-12	-0.0026403	0.0155849	0.8654734	0.7275029	14	0.97675342
ENSG00000101104	20	PABPC1L	43538703	rs6031860	20	43532388	G	A	0.287276	-0.0296544	0.00940356	0.0016131	-0.435468	0.0506075	7.64E-18	0.0680978	0.0229986	0.00306694	0.9476243	6	0.2603942
ENSG00000124116	20	WFDC3	44376583	rs6032548	20	44425837	G	C	0.657058	-0.0071994	0.00853688	0.399048	0.989008	0.073333	1.88E-41	-0.0072794	0.00864862	0.3999674	0.2525185	20	0.85178725
ENSG00000225849	20	MKRN7P	45092541	rs6011967	20	45095161	C	T	0.0596421	-0.0003255	0.0182511	0.98577	1.12429	0.141802	2.22E-15	-0.0002895	0.0162335	0.9857701	0.3552648	7	0.99624056
ENSG00000237595	20	RP11-112L6.3	48780001	rs3746562	20	48780485	G	A	0.322068	0.00939493	0.00860022	0.274655	0.686945	0.0951794	5.30E-13	0.0136764	0.0126621	0.280096	0.3573947	3	0.79306676
ENSG00000231742	20	RP11-112L6.4	48789087	rs6122883	20	48789373	G	A	0.345924	0.00637556	0.00847788	0.452037	0.761863	0.085932	7.59E-19	0.00836838	0.0111678	0.4536571	0.6524619	14	0.86824012
ENSG00000203999	20	RP11-290F20.1	48909257	rs6012899	20	48928512	G	A	0.554672	0.0119784	0.0081278	0.140548	-0.48174	0.0705574	8.63E-12	-0.0248649	0.0172603	0.1497036	0.3329551	5	0.71143783
ENSG00000196396	20	PTPN1	49126891	rs6067473	20	49133994	T	C	0.369781	-0.0025431	0.00841317	0.762446	0.239803	0.0438375	4.49E-08	-0.0106048	0.0351372	0.7627962	0.2212609	5	0.95964323
ENSG00000054793	20	ATP9A	50213053	rs141411773	20	50380008	T	C	0.315109	0.00498406	0.00869485	0.566496	-0.175352	0.0315898	2.84E-08	-0.0284232	0.0498488	0.5685504	0.9988631	3	0.8961385
ENSG00000124098	20	FAM210B	54933971	rs6014708	20	54938996	G	A	0.0944334	-0.0157266	0.0106731	0.140624	-0.48566	0.0751826	1.05E-10	0.0323819	0.022541	0.1508371	0.08255836	8	0.71191488
ENSG00000124097	20	HMGB1P1	56063448	rs2001419	20	56066521	A	G	0.289264	0.00148376	0.00916681	0.871414	-0.489932	0.0883797	2.97E-08	-0.0030285	0.0187183	0.8714687	0.2925521	5	0.97700295
ENSG00000124164	20	VAPB	56964178	rs6092645	20	57009166	A	G	0.39165	-0.0090359	0.00807522	0.263153	0.40995	0.0475136	6.24E-18	-0.0220415	0.019863	0.2671382	0.03081032	11	0.78131464
ENSG00000215440	20	NPEPL1	57264187	rs8115194	20	57281809	T	C	0.242545	-0.0024027	0.0104325	0.817855	-0.335527	0.0526596	1.87E-10	0.00716082	0.0311132	0.8179721	0.255555	8	0.96672118
ENSG00000101158	20	NELFCD	57556263	rs73131464	20	57545082	T	A	0.158052	0.00522694	0.0100571	0.603252	-0.400291	0.0573708	3.01E-12	-0.0130579	0.0251941	0.6042556	0.5981994	7	0.91214701
ENSG00000101181	20	MTG2	60758085	rs6062133	20	60768615	A	G	0.135189	-0.0132231	0.0104603	0.206189	0.76715	0.0884371	4.15E-18	-0.0172367	0.0137793	0.2109675	0.4880817	10	0.74718609
ENSG00000060491	20	OGFR	61436187	rs2277772	20	61441035	A	G	0.516899	0.00391967	0.00808022	0.62761	-0.31987	0.0507746	2.98E-10	-0.0122539	0.0253357	0.6286253	0.8855771	19	0.91863036
ENSG00000101190	20	TCFL5	61472467	rs1980500	20	61473841	C	T	0.274354	0.0195559	0.00915807	0.0327303	0.43435	0.0470333	2.58E-20	0.0450234	0.0216409	0.03748153	0.3721896	10	0.49915936
ENSG00000231133	20	HAR1B	61726845	rs6090242	20	61738232	A	C	0.327038	0.0164527	0.00856162	0.0546462	0.315277	0.055053	1.02E-08	0.0521849	0.028644	0.0684784	0.5908882	12	0.57759076
ENSG00000225978	20	HAR1A	61733483	rs750698	20	61735509	G	T	0.606362	0.00853477	0.00836603	0.307648	0.39398	0.0502106	4.28E-15	0.021663	0.0214134	0.311703	0.2355035	12	0.80584798
ENSG00000101198	20	NKAIN4	61872136	rs75829408	20	61883367	T	C	0.0914513	-0.0212714	0.0172104	0.216471	0.664302	0.0725076	5.10E-20	-0.0320207	0.0261422	0.2206255	0.174172	16	0.75807011
ENSG00000101204	20	CHRNA4	61975420	rs45577639	20	61983311	A	G	0.230616	0.0294331	0.0101616	0.00377355	0.438148	0.0795114	3.58E-08	0.0671762	0.0262009	0.01035066	0.3306764	3	0.3241739
ENSG00000101213	20	PTK6	62159778	rs191090	20	62162340	C	T	0.251491	-0.0017478	0.00885079	0.843458	-0.523167	0.0724648	5.21E-13	0.00334077	0.016924	0.8435162	0.0813479	13	0.97214076
ENSG00000197457	20	STMN3	62271061	rs2777941	20	62319604	C	A	0.797217	-0.0088241	0.0102299	0.388369	-0.227747	0.0371021	8.34E-10	0.0387453	0.0453591	0.3930004	0.7089216	17	0.8477398
ENSG00000203880	20	PCMTD2	62887094	rs60461814	20	62887012	T	C	0.180915	-0.0163396	0.0123878	0.187168	-0.455967	0.0719877	2.39E-10	0.035835	0.027751	0.1965978	0.6695936	6	0.74217028
ENSG00000149656	20	LINC00266-1	62921738	rs117793083	20	62911605	A	G	0.05666	0.0569029	0.019809	0.00407136	1.22047	0.198488	7.81E-10	0.0466238	0.0179145	0.00925267	0.4186129	3	0.31648103
ENSG00000228314	21	CYP4F29P	15215454	rs56270809	21	15352253	C	A	0.245527	-0.017559	0.00972987	0.0711295	-0.756752	0.0975567	8.69E-15	0.0232031	0.0132008	0.07879714	0.8789798	7	0.60868991
ENSG00000230965	21	SNX18P13	15278281	rs56270809	21	15352253	C	A	0.245527	-0.017559	0.00972987	0.0711295	-0.588083	0.0965832	1.14E-09	0.029858	0.0172565	0.08358519	0.8729982	4	0.61833179
ENSG00000215559	21	ANKRD20A11P	15281895	rs56270809	21	15352253	C	A	0.245527	-0.017559	0.00972987	0.0711295	-0.744061	0.0985798	4.43E-14	0.0235989	0.0134453	0.079229	0.8543335	5	0.60868991
ENSG00000203616	21	RHOT1P2	15309314	rs11701072	21	15352691	T	C	0.28827	0.0112765	0.00863359	0.191514	0.609957	0.0977643	4.40E-10	0.0184874	0.0144613	0.2011062	0.8193379	6	0.74217028

ENSG00000224905	21	AP001347.6	15399742	rs73338200	21	15454161	T	C	0.312127	0.00453642	0.00860573	0.598098	0.520118	0.0785516	3.56E-11	0.00872191	0.0165981	0.5992517	0.7848088	11	0.91114131
ENSG00000224924	21	LINC00320	22114908	rs8131245	21	22116149	A	C	0.0815109	0.0083757	0.0118954	0.481362	0.4465	0.0604063	1.45E-13	0.0187586	0.026762	0.4833408	0.2600685	17	0.87638737
ENSG00000273492	21	AP000230.1	27543189	rs457581	21	27594480	A	G	0.238569	-0.0083468	0.00930417	0.369665	1.00725	0.085758	7.47E-32	-0.0082867	0.00926411	0.3710568	0.1471643	20	0.83646794
ENSG00000156239	21	N6AMT1	30244513	rs60584984	21	30276780	G	C	0.204771	-0.0164	0.00997588	0.100183	-0.489578	0.0668645	2.44E-13	0.0334982	0.0208838	0.1087072	0.4697482	16	0.65854606
ENSG00000156253	21	RWDD2B	30376705	rs9982332	21	30392826	G	C	0.712724	-0.0216368	0.0106885	0.0429378	-0.82854	0.0674694	1.16E-34	0.0261144	0.0130745	0.04578703	0.164825	20	0.52518527
ENSG00000142207	21	URB1	33683329	rs73359971	21	33782206	T	C	0.083499	0.0209504	0.0206418	0.310131	0.720174	0.100239	6.74E-13	0.0290907	0.0289468	0.3149104	0.5364725	10	0.80867408
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.5287	0.0549551	6.55E-22	-0.0299499	0.0167084	0.07305271	0.08752927	5	0.58871655
ENSG00000142188	21	TMEM50B	34804792	rs2834223	21	34825147	A	C	0.446322	0.0130874	0.00805026	0.10401	-0.447363	0.0576298	8.31E-15	-0.0292545	0.0183853	0.1115665	0.7864512	7	0.66540911
ENSG00000205726	21	ITSN1	35014706	rs2244966	21	35127360	G	A	0.324056	0.0183558	0.00920585	0.0461604	0.277384	0.0450951	7.69E-10	0.0661747	0.0348882	0.05785935	0.5195329	8	0.55393262
ENSG00000241837	21	ATP5O	35275757	rs915574	21	35268336	C	T	0.67495	-0.0187147	0.00839635	0.0258202	0.249239	0.0363455	7.01E-12	-0.0750874	0.0354228	0.03402732	0.5280782	16	0.48743989
ENSG00000159228	21	CBR1	37442239	rs3787728	21	37443893	C	T	0.693837	0.012173	0.00888436	0.170637	-0.347016	0.0404096	8.89E-18	-0.0350791	0.025926	0.1760408	0.8126154	20	0.72148239
ENSG00000233393	21	AP000688.29	37477179	rs6517325	21	37434978	C	T	0.437376	0.00723215	0.00808758	0.371199	-0.449824	0.0620792	4.29E-13	-0.0160777	0.0181158	0.3748117	0.5344343	20	0.83748989
ENSG00000159231	21	CBR3	37507210	rs7283498	21	37503608	A	G	0.350895	0.0109256	0.00885776	0.217408	-0.38244	0.0652535	4.61E-09	-0.0285681	0.0236685	0.2274288	0.7521362	9	0.76373142
ENSG00000224790	21	AP000704.5	38338812	rs62225531	21	38346533	T	C	0.430417	0.00938889	0.00807649	0.245034	-0.735449	0.0983872	7.72E-14	-0.0127662	0.0111137	0.2506844	0.2728497	19	0.76959804
ENSG00000182670	21	TTC3	38445526	rs6517404	21	38494918	A	G	0.484095	0.00282311	0.00826668	0.732723	0.350643	0.0389235	2.09E-19	0.00805124	0.0235927	0.7329082	0.08426595	20	0.94884724
ENSG00000157542	21	KCNJ6	38979678	rs2836140	21	39452670	T	C	0.569583	-0.0091199	0.00827739	0.270558	0.472897	0.0708537	2.48E-11	-0.0192851	0.0177405	0.277007	0.8716013	20	0.79243677
ENSG00000183527	21	PSMG1	40546695	rs2836922	21	40516308	T	C	0.482107	-0.0152457	0.00814562	0.0612562	0.352437	0.0515812	8.33E-12	-0.0432579	0.0239637	0.07105215	0.1944203	9	0.58506166
ENSG00000157578	21	LCA5L	40777770	rs7277633	21	40836441	A	G	0.520875	0.00324185	0.00807485	0.688071	-0.589419	0.0590298	1.77E-23	-0.0055001	0.0137107	0.6883091	0.05530347	20	0.93988406
ENSG00000184809	21	C21orf88	40969074	rs602006	21	40996436	C	T	0.292247	-0.0040351	0.00951603	0.671543	-0.371964	0.043255	8.02E-18	0.0108481	0.0256143	0.6719179	0.3208519	18	0.933489
ENSG00000183067	21	IGSF5	41117334	rs464623	21	41156516	G	A	0.815109	0.00516329	0.00981931	0.599006	-0.573434	0.0761459	5.05E-14	-0.0090042	0.0171654	0.5998939	0.7989358	6	0.91118981
ENSG00000226496	21	LINC00323	42513427	rs9980363	21	42520134	C	T	0.192843	0.0244683	0.0113088	0.0304916	-0.885669	0.113294	5.39E-15	-0.0276269	0.0132487	0.03704598	0.5485904	13	0.49915936
ENSG00000157601	21	MX1	42792231	rs17000900	21	42798030	A	C	0.0974155	-0.0030224	0.0141706	0.831105	0.826852	0.125924	5.16E-11	-0.0036553	0.0171471	0.8311927	0.7835464	3	0.96886511
ENSG00000160188	21	RSPH1	43892596	rs9976598	21	43901777	C	T	0.38171	0.0145534	0.00832986	0.0806139	0.285455	0.039142	3.04E-13	0.0509832	0.0300067	0.0893081	0.9459598	12	0.63306891
ENSG00000235772	21	AP001625.6	43980484	rs1878069	21	43974569	A	G	0.611332	-0.0074804	0.00847233	0.377281	-0.429373	0.0759091	1.55E-08	0.0174216	0.0199708	0.3830151	0.8048833	8	0.84661397
ENSG00000235023	21	AP001626.2	44068381	rs1539971	21	44061575	A	C	0.368787	-0.0009638	0.00810975	0.9054	-0.534182	0.0815226	5.66E-11	0.00180422	0.0151841	0.9054156	0.9951143	8	0.98439248
ENSG00000160194	21	NDUFV3	44299754	rs6586258	21	44297223	G	A	0.462227	0.00059661	0.00806282	0.941014	0.479131	0.0635629	4.78E-14	0.00124519	0.0168288	0.9410172	0.6220001	20	0.99244418
ENSG00000160200	21	CBS	44473301	rs35879780	21	44413457	A	G	0.141153	0.00962485	0.0102659	0.348473	-1.12623	0.120387	8.36E-21	-0.0085461	0.00916094	0.3508808	0.9162221	20	0.83252985
ENSG00000241945	21	PWP2	45527171	rs6518345	21	45477100	A	G	0.2833	0.00450114	0.00962377	0.639991	1.20792	0.0997618	9.58E-34	0.00372636	0.00797317	0.6402408	0.4102613	16	0.92525205
ENSG00000160221	21	C21orf33	45553487	rs3788104	21	45512094	A	G	0.16501	-0.0090425	0.0116415	0.437309	1.41513	0.106446	2.50E-40	-0.0063899	0.00824048	0.4380898	0.08405517	18	0.86824012
ENSG00000160223	21	ICOSLG	45642874	rs7282380	21	45677248	G	A	0.656064	0.00885935	0.00896352	0.322968	0.589111	0.105026	2.03E-08	0.0150385	0.0154497	0.3303632	0.8426535	6	0.81680644
ENSG00000141959	21	PFKL	45719934	rs2838549	21	45734885	A	G	0.0785288	0.0133628	0.0154029	0.385639	0.400758	0.0703427	1.22E-08	0.0333438	0.0388775	0.391078	0.1714493	4	0.8477398
ENSG00000142185	21	TRPM2	45770046	rs111406792	21	45785066	T	G	0.180915	-0.0069547	0.00921279	0.450315	-0.578724	0.049189	5.89E-32	0.0120172	0.0159519	0.4512446	0.4177674	20	0.86824012
ENSG00000230061	21	AP001065.2	45834473	rs11702323	21	45777270	T	A	0.180915	-0.0049408	0.00915838	0.589552	-0.479229	0.0878225	4.85E-08	0.0103099	0.0192038	0.5913589	0.2088356	8	0.90646236
ENSG00000227039	21	ITGB2-AS1	46340966	rs7276960	21	46350065	C	T	0.377734	0.0009657	0.00840658	0.908545	0.426749	0.0577447	1.47E-13	0.00226293	0.0197015	0.9085557	0.8774279	7	0.985717
ENSG00000183250	21	C21orf67	46352729	rs4818989	21	46356816	G	A	0.356859	-0.004873	0.00848587	0.5658	-0.550501	0.0761057	4.71E-13	0.00885194	0.0154633	0.5670188	0.5914957	13	0.89501905
ENSG00000235374	21	SSR4P1	46491648	rs2838769	21	46492270	A	G	0.16998	-0.0111579	0.00900544	0.215341	0.682217	0.103834	5.02E-11	-0.0163554	0.0134329	0.2233922	0.1024983	8	0.75840867
ENSG00000215447	21	BX322557.10	46707967	rs914218	21	46698445	C	G	0.296223	0.011535	0.00925189	0.212479	-0.56669	0.0600028	3.57E-21	-0.020355	0.0164678	0.2164406	0.3705739	20	0.75431164
ENSG00000223768	21	LINC00205	46713200	rs914218	21	46698445	C	G	0.296223	0.011535	0.00925189	0.212479	-1.07078	0.0780832	8.45E-43	-0.0107725	0.00867596	0.2143653	0.3113292	20	0.75108271
ENSG00000142156	21	COL6A1	47401651	rs13053065	21	47420723	C	G	0.270378	-0.0014052	0.00908287	0.877051	0.341524	0.0563857	1.39E-09	-0.0041145	0.0266038	0.8770907	0.5917779	20	0.97700295
ENSG00000160282	21	FTCD	47556176	rs55720515	21	47579901	C	G	0.161034	0.00553657	0.0163979	0.735634	-0.746362	0.0744384	1.16E-23	-0.0074181	0.0219829	0.7357794	0.1846594	20	0.94957081
ENSG00000160284	21	SPATC1L	47581062	rs62215189	21	47603995	G	A	0.243539	-0.0057408	0.0107455	0.593166	-0.519758	0.0833034	4.39E-10	0.0110452	0.0207497	0.594515	0.4793657	11	0.90773916
ENSG00000160294	21	MCM3AP	47655047	rs17182788	21	47687982	A	G	0.219682	-0.0020507	0.00985209	0.835114	-0.334863	0.0572629	4.98E-09	0.00612397	0.0294399	0.8352165	0.6578602	20	0.96888671
ENSG00000239415	21	AP001469.9	47671463	rs35940413	21	47831509	G	A	0.132207	-0.0016853	0.012597	0.89357	0.599134	0.10624	1.71E-08	-0.002813	0.0210313	0.8935992	0.6082096	16	0.9832899
ENSG00000182362	21	YBEY	47706251	rs62224180	21	47726332	G	C	0.785288	-0.0182852	0.00947401	0.0536019	-0.868469	0.0831307	1.51E-25	0.0210545	0.0110935	0.05770648	0.4236349	20	0.55393262
ENSG00000160299	21	PCNT	47744036	rs2839201	21	47715594	T	C	0.431412	-0.0069018	0.0082761	0.40431	-0.212704	0.0363719	4.97E-09	0.0324481	0.0393026	0.4090333	0.9663547	13	0.85818002
ENSG00000160310	21	PRMT2	48055079	rs79228900	21	48091888	A	G	0.0666004	0.0499362	0.0434134	0.250041	-0.612282	0.0935746	6.02E-11	-0.0815575	0.0719915	0.2572658	0.3027763	5	0.77448751
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.25497	0.0927538	1.04E-41	0.012617	0.00745339	0.09049705	0.5109786	20	0.63306891
ENSG00000235478	22	AC006946.15	17602476	rs5748888	22	17613622	G	A	0.0457256	-0.0156141	0.0186118	0.401508	-0.567501	0.0943403	1.79E-09	0.0275138	0.0331135	0.4060335	0.1938638	18	0.85633775
ENSG00000093072	22	CECR1	17660194	rs17807317	22	17680519	C	A	0.45825	-0.0081681	0.00810614	0.313627	0.450311	0.0511453	1.31E-18	-0.0181387	0.0181187	0.316776	0.7836627	16	0.80963732
ENSG00000237517	22	DGCR5	18958027	rs2540626	22	18954191	C	T	0.322068	-0.0055612	0.0094633	0.55676	-0.304879	0.0472263	1.08E-10	0.0182407	0.0311679	0.5583857	0.5422516	17	0.89377419
ENSG00000273032	22	DGCR9	19005347	rs11705361	22	18958674	C	G	0.17495	-0.0082006	0.0112862	0.46747	0.355041	0.0562699	2.80E-10	-0.0230976	0.0319985	0.4703973	0.6553409	20	0.87345602
ENSG00000273164	22	DGCR10	19010569	rs2871006	22	19008108	T	G	0.302187	0.0140986	0.00864805	0.103046	-0.941512	0.083236	1.15E-29	-0.0149744	0.00928019	0.1066163	0.2394986	20	0.65763337
ENSG00000070413	22	DGCR2	19023795	rs73158818	22	19058547	T	C	0.185885	0.0169309	0.0110353	0.12497	0.440472	0.0595368	1.38E-13	0.0384381	0.0255864	0.1330233	0.1118903	18	0.6978893
ENSG00000273311	22	DGCR11	19033675	rs715598	22	19030832	G	C	0.168986	0.0162631	0.011752	0.166404	0.688136	0.114757	2.02E-09	0.0236336	0.0175269	0.1775246	0.8139715	7	0.72148239
ENSG00000185065	22	AC000068.5	19435416	rs75637138	22	19440597	A	G	0.182903	-0.0033581	0.00982288	0.732452	-0.792983	0.122012	8.07E-11	0.00423479	0.0124044	0.7328061	0.3324211	6	0.94884724
ENSG00000185838	22	GNB1L	19770747	rs9617842	22	19814171	T	C	0.440358	0.00402567	0.0082383	0.625086	0.362724	0.0571913	2.26E-10	0.0110984	0.0227796	0.6261102	0.3261069	12	0.91838156
ENSG00000215012	22	C22orf29	19833661	rs8139091	22	19845283	C	G	0.240557	-0.0009363	0.00965918	0.922781	-0.432568	0.0552348	4.82E-15	0.00216446	0.0223316	0.9227868	0.06607083	20	0.98793237
ENSG00000128185	22	DGCR6L	20301799	rs62218969	22	20716110	T	C	0.49006	0.0026696	0.00814744	0.743168	-0.195871	0.0307746	1.96E-10	-0.0136294	0.041651	0.7434955	0.8152429	4	0.95275844
ENSG00000099917	22	MED15	20850200	rs165615	22	20940208	C	T	0.423459	-0.0094425	0.00805466	0.241078	-0.260805	0.0459962	1.43E-08	0.0362051	0.031537	0.250961	0.7567354	10	0.76959804
ENSG00000223553	22	SMPD4P1	20956882	rs598141	22	21028138	A	G	0.525845	-0.0050297	0.00871028	0.563639	0.719543	0.0906888	2.12E-15	-0.0069901	0.0121373	0.5646687	0.6503024	20	0.89445177
ENSG00000099940	22	SNAP29	21213271	rs192565874	22	21042969	A	G	0.0735586	0.0242869	0.0168895	0.150439	-0.918688	0.102924	4.42E-19	-0.0264365	0.0186214	0.1557001	0.1226692	9	0.71569842
ENSG00000230513	22	THAP7-AS1	21356175	rs28372939	22	21356824	A	G	0.21173	0.00642448	0.00951388	0.499502	-1.03073	0.101117	2.12E-24	-0.0062329	0.00925047	0.50044	0.409858	12	0.87805165
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.35385	0.152757	7.80E-19	0.00566492	0.0132128	0.6681089	0.7841238	4	0.93322639
ENSG00000183506	22	PI4KAP2	21827289	rs178091	22	21258085	G	A	0.478131	0.00265454	0.00876831	0.762086	0.48864	0.0664651	1.96E-13	0.00543251	0.0179595	0.7622815	0.515544	20	0.95964323
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.934237	0.0631624	1.67E-49	-0.0011716	0.00892221	0.8955252	0.1204215	20	0.98333484
ENSG00000228050	22	TOP3BP1	22577580	rs5756324	22	22335125	C	T	0.256461	-0.0006001	0.00931467	0.948635	1.00328	0.100677	2.16E-23	-0.0005981	0.00928441	0.9486359	0.2490296	20	0.99289521
ENSG00000272779	22	LL22NC03-80A10.(	22657589	rs1807696	22	22657557	C	G	0.416501	0.00057508	0.00819017	0.944022	0.532552	0.0636864	6.16E-17	0.00107986	0.0153796	0.9440239	0.4796276	20	0.99247344
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.765088	0.0823526	1.54E-20	-0.0046818	0.0116219	0.6870646	0.6150513	18	0.93988406
ENSG00000128266	22	GNAZ	23412540	rs5759587	22	23441515	C	G	0.444334	0.0206539	0.00807655	0.0105499	0.34766	0.0490177	1.32E-12	0.0594083	0.0246951	0.0161427	0.3687203	14	0.3522782
ENSG00000186716	22	BCR	23521891	rs13053509	22	23663772	C	G	0.321074	0.00471858	0.00948905	0.619002	0.456575	0.0439455	2.77E-25	0.0103347	0.0208069	0.6194026	0.04585265	20	0.91768182
ENSG00000215478	22	CES5AP1	23701790	rs7284162	22	23755228	G	A	0.364811	0.00667609	0.0101486	0.510644	-0.523926	0.0942219	2.69E-08	-0.0127424	0.0195054	0.5135771	0.2620056	6	0.87915151
ENSG00000133519	22	ZDHHC8P1	23732793	rs8135792	22	23744814	A	G	0.0238569	-0.0203824	0.0280214	0.46699	1.0477	0.131727	1.81E-15	-0.0194544	0.0268572	0.4688423	0.9598617	6	0.87345602
ENSG00000234928	22	AP000344.3	23775751	rs8140512	22	23789701	T	C	0.140159	-0.003556	0.0105861	0.736936	0.643688	0.106399	1.45E-09	-0.0055244	0.0164713	0.7373274	0.2305687	4	0.94972574
ENSG00000178248	22	AP000345.1	23804273	rs8140512	22	23789701	T	C	0.140159	-0.003556	0.0105861	0.736936	0.832994	0.118443	2.02E-12	-0.0042689	0.012723	0.7372263	0.1500451	15	0.94972574
ENSG00000272733	22	KB-208E9.1	23923067	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.633394	0.0855715	1.34E-13	0.00678949	0.0137615	0.6217526	0.6550892	8	0.91802586
ENSG00000189269	22	C22orf43	23950639	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.803103	0.094404	1.78E-17	0.00535476	0.0108476	0.6215643	0.690129	11	0.91802586
ENSG00000128218	22	VPREB3	24094930	rs9153	22	24108412	A	G	0.836978	-0.0088084	0.0105262	0.402705	-0.989024	0.110868	4.63E-19	0.00890611	0.0106897	0.4047625	0.1029402	13	0.85476009
ENSG00000133460	22	SLC2A11	24198890	rs149388658	22	24207076	C	T	0.084493	0.00449375	0.0231676	0.846202	-0.6938	0.0885436	4.66E-15	-0.006477	0.0334026	0.8462482	0.8495229	3	0.97214076
ENSG00000240972	22	MIF	24236191	rs2330634	22	24250795	G	C	0.62326	0.0107858	0.00837478	0.197785	0.371673	0.0670663	2.99E-08	0.0290196	0.0231331	0.2096743	0.7853018	6	0.74658316
ENSG00000218537	22	AP000350.4	24236613	rs5751771	22	24258777	T	C	0.606362	0.00963985	0.0083451	0.248028	0.93324	0.0898914	3.00E-25	0.0103294	0.00899725	0.2509413	0.2932322	20	0.76959804
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.20569	0.0738134	5.63E-60	0.00727691	0.00693973	0.2943685	0.195949	20	0.80291535
ENSG00000225282	22	AP000350.6	24269087	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.96758	0.0841943	1.44E-30	0.00906767	0.00866568	0.2953814	0.2620648	20	0.80291535
ENSG00000133433	22	GSTT2B	24299601	rs2330634	22	24250795	G	C	0.62326	0.0107858	0.00837478	0.197785	-0.910859	0.0700603	1.21E-38	-0.0118413	0.00923938	0.1999768	0.3229092	20	0.74217028
ENSG00000099977	22	DDT	24313554	rs5751771	22	24258777	T	C	0.606362	0.00963985	0.0083451	0.248028	0.304348	0.0525827	7.12E-09	0.0316738	0.0279603	0.2572938	0.4745363	7	0.77448751
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.738945	0.103804	1.09E-12	0.0167573	0.0113901	0.1412321	0.5417886	14	0.70248585
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.38656	0.115218	2.35E-33	-0.0092629	0.00789626	0.2407649	0.4588272	20	0.76866335
ENSG00000224205	22	AP000351.4	24329511	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.981655	0.0936663	1.06E-25	0.0126141	0.00847472	0.1366349	0.7205747	20	0.6978893
ENSG00000099994	22	SUSD2	24577227	rs117587385	22	24577204	A	G	0.0437376	-0.0149468	0.015224	0.326205	1.03293	0.149307	4.58E-12	-0.0144703	0.0148863	0.3310246	0.1706478	10	0.81680644
ENSG00000128262	22	POM121L9P	24647796	rs4050098	22	24651440	G	A	0.559642	-0.0083163	0.00825689	0.313843	-0.359507	0.0582338	6.68E-10	0.0231324	0.0232709	0.3201995	0.9918584	13	0.81006577
ENSG00000100024	22	UPB1	24863206	rs2186376	22	24848460	G	A	0.610338	-0.0143942	0.00814934	0.0773464	-0.505912	0.067634	7.42E-14	0.028452	0.0165512	0.08560937	0.7765344	11	0.62176719
ENSG00000244752	22	CRYBB2	25615489	rs2269672	22	25597331	C	T	0.521869	0.00642978	0.0080907	0.42678	-0.458742	0.0833738	3.75E-08	-0.0140161	0.0178197	0.431545	0.5458461	5	0.86609543
ENSG00000100058	22	CRYBB2P1	25844072	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	1.19184	0.116791	1.89E-24	-0.0336265	0.0134957	0.01271528	0.273811	12	0.34907046
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.02266	0.116545	1.71E-18	0.0391894	0.0158927	0.0136681	0.2750406	12	0.34907046
ENSG00000100099	22	HPS4	26839389	rs4822722	22	26854682	C	T	0.93837	-0.0258966	0.0240917	0.28241	0.810701	0.110454	2.14E-13	-0.0319435	0.0300341	0.2875224	0.498562	10	0.79695678
ENSG00000235271	22	RP1-90L6.3	27299255	rs16983113	22	27304645	A	G	0.172962	0.00106798	0.010929	0.922155	0.704841	0.122185	7.99E-09	0.00151521	0.0155078	0.9221659	0.2714431	6	0.98793237
ENSG00000235954	22	TTC28-AS1	28315364	rs742547	22	28412908	G	T	0.241551	-0.0132453	0.00956776	0.166247	0.498167	0.0665832	7.33E-14	-0.0265881	0.0195319	0.1734309	0.217704	20	0.72148239
ENSG00000100249	22	C22orf31	29454660	rs3178915	22	29453027	G	A	0.489066	-0.0026629	0.00810474	0.742487	-0.521638	0.0761452	7.36E-12	0.00510488	0.015555	0.7427729	0.9621012	5	0.95220573
ENSG00000183762	22	KREMEN1	29469066	rs17451544	22	29553039	G	A	0.193837	0.0199128	0.00989955	0.0442741	0.374139	0.0681808	4.08E-08	0.053223	0.0281812	0.05894536	0.7856424	3	0.55397205
ENSG00000185340	22	GAS2L1	29702572	rs2301586	22	29702910	T	A	0.379722	0.00814503	0.00814193	0.317126	0.252341	0.0446976	1.65E-08	0.0322779	0.0327682	0.3246067	0.7988285	14	0.81251095
ENSG00000100276	22	RASL10A	29708922	rs174768	22	29742841	C	T	0.16501	0.0157428	0.01278	0.218012	-0.508263	0.0883363	8.73E-09	-0.0309737	0.0257143	0.2283829	0.09360794	6	0.76373142
ENSG00000184117	22	NIPSNAP1	29950797	rs695399	22	29969861	G	T	0.524851	-0.0077272	0.00809558	0.339833	0.17377	0.0273262	2.03E-10	-0.0444679	0.0471098	0.3452106	0.5579928	13	0.82996866
ENSG00000100003	22	SEC14L2	30792846	rs5994305	22	30820707	G	A	0.180915	0.00256328	0.0103061	0.803582	-0.273123	0.0489053	2.34E-08	-0.0093851	0.0377717	0.8037719	0.5688011	3	0.96471558
ENSG00000214491	22	SEC14L6	30918786	rs4820865	22	30936781	G	A	0.754473	-0.0085131	0.00891926	0.339851	0.509236	0.0631413	7.32E-16	-0.0167174	0.0176372	0.343208	0.9305798	12	0.82984242
ENSG00000237977	22	EIF4HP2	31298206	rs3827330	22	31353825	G	T	0.27833	0.0107458	0.00896898	0.230873	-0.919106	0.0888277	4.31E-25	-0.0116916	0.00982358	0.2339854	0.8560606	15	0.76566394
ENSG00000182541	22	LIMK2	31608225	rs9609268	22	31759033	G	A	0.277336	0.00854478	0.00850362	0.314973	-0.203168	0.0358331	1.43E-08	-0.0420577	0.0425073	0.3224566	0.5843206	18	0.81165121
ENSG00000198089	22	SFI1	31884674	rs4820041	22	31580494	C	T	0.580517	-0.0138254	0.00809773	0.0877627	0.261031	0.0404668	1.11E-10	-0.0529646	0.0320903	0.09884403	0.8246668	19	0.64834522
ENSG00000241878	22	PISD	32014477	rs760908	22	32057501	T	G	0.153082	0.00685836	0.0114446	0.548995	0.251915	0.0434619	6.78E-09	0.0272249	0.0456726	0.551116	0.4590068	20	0.89134276
ENSG00000100191	22	SLC5A4	32614465	rs16990269	22	32761468	A	G	0.0407555	0.00214923	0.0196136	0.912743	1.0473	0.163929	1.67E-10	0.00205216	0.0187305	0.9127564	0.9189051	6	0.985717
ENSG00000205853	22	RFPL3S	32755893	rs5998471	22	32786217	A	G	0.244533	-0.0063512	0.00884196	0.472574	-0.676232	0.0833978	5.12E-16	0.00939198	0.0131265	0.4743027	0.8644892	20	0.87401101
ENSG00000100348	22	TXN2	36863083	rs62228910	22	36806458	G	A	0.026839	0.0090288	0.0192243	0.638602	0.570978	0.103354	3.30E-08	0.0158129	0.0337905	0.6398078	0.3855554	9	0.92504719
ENSG00000100350	22	FOXRED2	36883237	rs146532334	22	36903096	T	C	0.0377734	0.00927211	0.0202896	0.647679	1.10157	0.141168	6.03E-15	0.00841718	0.0184504	0.6482414	0.7546224	13	0.92722972
ENSG00000234688	22	RP1-293L6.1	37099963	rs5756314	22	37112817	C	A	0.66501	-0.0172829	0.00810383	0.0329503	0.443894	0.0644666	5.75E-12	-0.0389347	0.0191119	0.04162961	0.07570056	7	0.511606
ENSG00000100360	22	IFT27	37154246	rs2009667	22	37171611	G	A	0.553678	0.00281551	0.00823563	0.732448	-0.317384	0.0498105	1.87E-10	-0.008871	0.0259858	0.7328187	0.04136021	3	0.94884724
ENSG00000128309	22	MPST	37415676	rs5756487	22	37416800	T	A	0.54175	-0.0171543	0.00810578	0.0343186	0.253855	0.0386208	4.93E-11	-0.0675752	0.033545	0.04396074	0.01417038	10	0.52029162
ENSG00000133466	22	C1QTNF6	37576207	rs4821603	22	37609294	G	A	0.528827	-0.0103563	0.00809	0.200496	-0.602361	0.0610427	5.74E-23	0.0171928	0.013543	0.2042634	0.6197942	17	0.74217028
ENSG00000243902	22	RP1-63G5.5	37735624	rs739190	22	37758272	C	T	0.962227	0.0223816	0.0210578	0.287843	-0.871228	0.135203	1.16E-10	-0.0256897	0.0244968	0.2943183	0.4948173	10	0.80291535
ENSG00000100106	22	TRIOBP	38093011	rs5750495	22	38179120	A	T	0.656064	-0.0057513	0.00838015	0.492524	0.248626	0.0363034	7.46E-12	-0.0231323	0.0338747	0.4946833	0.1710938	20	0.87805165
ENSG00000100151	22	PICK1	38452318	rs6000991	22	38460484	C	T	0.61332	-0.0042041	0.00894056	0.638194	-0.253465	0.0462664	4.29E-08	0.0165864	0.035403	0.6394258	0.9883328	9	0.92504719
ENSG00000184949	22	FAM227A	38974125	rs4821799	22	39021326	G	T	0.387674	-0.0056621	0.00837471	0.498983	0.257708	0.043371	2.82E-09	-0.0219708	0.0327066	0.5017392	0.8715587	15	0.87805165
ENSG00000235209	22	CTA-150C2.13	39317232	rs6519155	22	39305358	T	C	0.622266	0.0114939	0.00836187	0.16927	0.796031	0.0952668	6.50E-17	0.014439	0.0106456	0.1749938	0.4468452	9	0.72148239
ENSG00000239713	22	APOBEC3G	39436924	rs5757472	22	39483967	C	T	0.619284	-0.0020091	0.00817026	0.805759	-0.573594	0.0614126	9.63E-21	0.0035026	0.0142489	0.8058253	0.463375	17	0.96527772
ENSG00000128268	22	MGAT3	39853349	rs5750816	22	39810379	T	C	0.661034	-0.000939	0.00889654	0.915942	0.290033	0.0484944	2.22E-09	-0.0032376	0.030679	0.9159554	0.5570598	8	0.98640395
ENSG00000128272	22	ATF4	39915700	rs5750844	22	39923688	A	G	0.322068	0.00206495	0.00861404	0.810548	0.297832	0.0435742	8.20E-12	0.00693327	0.0289403	0.8106622	0.6853771	9	0.96552943
ENSG00000100395	22	L3MBTL2	41601209	rs139486	22	41627654	G	C	0.360835	-0.0257816	0.00826758	0.0018184	-0.359655	0.0513968	2.60E-12	0.0716843	0.0251668	0.00439444	0.00246169	12	0.27120636
ENSG00000100413	22	POLR3H	41921808	rs203318	22	41914860	G	T	0.232604	0.0245918	0.00920301	0.00753668	0.306169	0.046855	6.39E-11	0.080321	0.0324748	0.01338597	0.7816889	13	0.34907046
ENSG00000172346	22	CSDC2	41956767	rs12483998	22	41935362	G	A	0.215706	0.0218355	0.00950077	0.0215452	0.400795	0.0693898	7.65E-09	0.0544805	0.0255124	0.03272455	0.4949721	11	0.48327225
ENSG00000183066	22	WBP2NL	42394729	rs133340	22	42417687	A	T	0.474155	0.0061054	0.00804852	0.448107	0.469958	0.0758637	5.84E-10	0.0129914	0.017254	0.45148	0.03002218	20	0.86824012
ENSG00000198951	22	NAGA	42454358	rs2743449	22	42534148	C	T	0.539761	-0.0070616	0.00808708	0.38256	-0.342416	0.0455545	5.62E-14	0.0206227	0.0237765	0.3857469	0.0788807	20	0.84682194
ENSG00000177096	22	FAM109B	42470255	rs28371730	22	42523209	T	C	0.341948	0.00214444	0.00829433	0.795988	-0.288501	0.0480702	1.95E-09	-0.007433	0.0287764	0.7961728	0.9303679	8	0.96357126
ENSG00000183172	22	SMDT1	42475695	rs16947	22	42523943	A	G	0.342942	0.00158862	0.0082956	0.848132	-0.282138	0.0382285	1.58E-13	-0.0056307	0.0294125	0.8481832	0.1185863	20	0.97278648
ENSG00000184983	22	NDUFA6	42481529	rs117529804	22	42669104	T	C	0.028827	0.0291349	0.0283791	0.304594	0.832743	0.0876993	2.19E-21	0.0349867	0.0342777	0.3074042	0.3855476	14	0.80584798
ENSG00000213790	22	OLA1P1	42503769	rs2743451	22	42534682	T	C	0.531809	-0.0072824	0.00808875	0.367954	-0.592714	0.0953756	5.15E-10	0.0122865	0.0137894	0.3729229	0.84111	12	0.83748989
ENSG00000100197	22	CYP2D6	42522501	rs5758574	22	42481400	C	G	0.536779	-0.0066453	0.00804707	0.408913	0.774045	0.0602144	8.08E-38	-0.0085852	0.0104176	0.4098771	0.1160224	20	0.85890272
ENSG00000205702	22	CYP2D7P1	42536214	rs134899	22	42683030	G	T	0.652087	-0.0052728	0.00811819	0.516011	0.526402	0.066122	1.71E-15	-0.0100167	0.0154733	0.5174016	0.4952053	20	0.88027463
ENSG00000172250	22	SERHL	42896585	rs5758764	22	42897141	T	C	0.207753	0.00301135	0.00885863	0.733907	-0.780944	0.135161	7.57E-09	-0.003856	0.0113631	0.7343482	0.6587738	9	0.94922272
ENSG00000189306	22	RRP7A	42905974	rs136980	22	42943481	A	G	0.154076	0.00772185	0.0112081	0.490851	0.616754	0.099473	5.64E-10	0.0125201	0.0182846	0.4935091	0.6940776	6	0.87805165
ENSG00000183569	22	SERHL2	42949623	rs137085	22	42981138	C	T	0.301193	0.0036419	0.00880442	0.679135	-0.566586	0.0969219	5.04E-09	-0.0064278	0.0155783	0.6798903	0.2046554	9	0.93712252
ENSG00000182841	22	RRP7B	42951229	rs28627172	22	43010817	A	G	0.10835	0.00045343	0.0137019	0.973601	-0.416333	0.0612445	1.06E-11	-0.0010891	0.0329113	0.9736009	0.8183911	17	0.99453968
ENSG00000100243	22	CYB5R3	43013846	rs137124	22	43015716	C	T	0.16998	0.00536171	0.0104934	0.60938	-0.306355	0.0485388	2.76E-10	-0.0175016	0.0343645	0.6105462	0.7370131	13	0.91302632
ENSG00000242247	22	ARFGAP3	43192508	rs9611953	22	43279282	G	A	0.465209	-0.001475	0.00832754	0.85941	0.337203	0.048947	5.61E-12	-0.0043743	0.0247041	0.8594557	0.3052715	15	0.97667971
ENSG00000100271	22	TTLL1	43435522	rs6002998	22	43420666	G	A	0.570577	0.00418065	0.00810683	0.606068	-0.410498	0.0676891	1.32E-09	-0.0101843	0.01982	0.6073636	0.2509481	11	0.91214701
ENSG00000100304	22	TTLL12	43562628	rs9612021	22	43583598	C	T	0.662028	0.0059384	0.00832874	0.475846	-0.403044	0.0627305	1.32E-10	-0.0147339	0.0207914	0.4785412	0.552892	6	0.87540637
ENSG00000159307	22	SCUBE1	43593289	rs2007836	22	43693733	C	T	0.822068	-0.0088793	0.00984306	0.367011	-0.90059	0.0922032	1.55E-22	0.00985943	0.0109761	0.3690445	0.1882073	11	0.8352928
ENSG00000186732	22	MPPED1	43807202	rs76365544	22	44146279	C	G	0.0168986	0.00972282	0.0405506	0.810508	0.99548	0.158093	3.04E-10	0.00976697	0.0407642	0.8106431	0.5682508	3	0.96552943
ENSG00000186976	22	EFCAB6	43924624	rs1981467	22	44013316	C	T	0.698807	-0.0019684	0.00863737	0.819729	0.306	0.0546042	2.10E-08	-0.0064327	0.02825	0.8198754	0.4787202	13	0.96687326
ENSG00000130540	22	SULT4A1	44220389	rs138074	22	44236441	A	G	0.219682	0.0102515	0.00974442	0.292784	0.12739	0.0213	2.22E-09	0.0804734	0.0776672	0.3001415	0.3699614	7	0.80291535
ENSG00000100341	22	PNPLA5	44275558	rs138129	22	44276105	C	T	0.55666	0.00234848	0.00835488	0.778641	0.257761	0.0384543	2.04E-11	0.00911108	0.0324418	0.7788301	0.4958901	11	0.96329762
ENSG00000093000	22	NUP50	45559722	rs132853	22	45560707	C	T	0.700795	-0.0090305	0.00883114	0.30651	0.386465	0.0519124	9.73E-14	-0.0233669	0.0230656	0.3110314	0.6981352	14	0.80584798
ENSG00000100373	22	UPK3A	45680863	rs2673092	22	45684379	A	C	0.729622	0.0086482	0.0091864	0.346493	-0.760881	0.103377	1.84E-13	-0.011366	0.0121717	0.350404	0.1219695	9	0.83252985
ENSG00000100376	22	FAM118A	45704849	rs5765271	22	45746826	G	T	0.865805	0.0127513	0.0105659	0.227499	-1.4317	0.113184	1.13E-36	-0.0089064	0.00741348	0.2296039	0.7342582	20	0.76373142
ENSG00000075234	22	TTC38	46663858	rs60032274	22	46693060	T	A	0.0248509	-0.0228733	0.0296319	0.440166	0.693282	0.0719016	5.31E-22	-0.0329928	0.0428782	0.4416245	0.6103567	12	0.86824012
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.838946	0.0741869	1.19E-29	0.00266743	0.0101292	0.7922878	0.876015	17	0.96351947

ENSG00000188511	22	C22orf34	49808176	rs5769712	22	50027210	T	C	0.625249	-0.0066781	0.00837714	0.425346	0.451551	0.0600899	5.71E-14	-0.0147892	0.018656	0.4279333	0.9123357	19	0.86512923
ENSG00000235111	22	RP1-29C18.8	50006305	rs135877	22	50014002	G	A	0.728628	0.00168253	0.00884924	0.849205	-0.494319	0.0883412	2.20E-08	-0.0034037	0.0179122	0.8492911	0.1947319	7	0.97278648
ENSG00000182858	22	ALG12	50293877	rs7287579	22	50321623	T	C	0.219682	0.0195461	0.0106653	0.0668498	0.504482	0.0766693	4.71E-11	0.0387449	0.0219458	0.0774829	0.4233466	20	0.60307524
ENSG00000273188	22	RP3-402G11.25	50630153	rs732710	22	50632505	T	C	0.2167	0.00804956	0.0105206	0.444199	-0.510346	0.083643	1.05E-09	-0.0157728	0.0207761	0.4477462	0.8588119	10	0.86824012
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.64386	0.142755	1.11E-30	0.0306466	0.0159622	0.05486515	0.0012304	20	0.54679043
ENSG00000273137	22	RP3-402G11.28	50646890	rs2272851	22	50655098	G	A	0.616302	0.0170505	0.00831942	0.0404148	-0.473648	0.0771442	8.26E-10	-0.0359983	0.0185173	0.0518913	0.1899422	6	0.54679043
ENSG00000128159	22	TUBGCP6	50656118	rs9617119	22	50658501	G	A	0.418489	0.0111898	0.00816393	0.170488	0.232494	0.0367084	2.40E-10	0.0481294	0.0359274	0.1803662	0.9716178	16	0.72458287
ENSG00000100429	22	HDAC10	50683612	rs13058062	22	50684296	C	T	0.735586	0.00076408	0.0093756	0.935047	-0.560711	0.086593	9.47E-11	-0.0013627	0.0167222	0.9350522	0.8326134	6	0.99132842
ENSG00000188130	22	MAPK12	50683879	rs5771284	22	50695270	C	A	0.700795	0.00447029	0.00907365	0.622247	-0.526943	0.0622937	2.70E-17	-0.0084834	0.0172486	0.6228369	0.8637356	8	0.91838156
ENSG00000100239	22	PPP6R2	50781733	rs2076712	22	50870620	T	G	0.319085	-0.0062831	0.00819408	0.443207	0.376344	0.0511185	1.81E-13	-0.0166952	0.0218906	0.4456648	0.3123809	13	0.86824012
ENSG00000217442	22	SYCE3	50989541	rs7889402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.44816	0.137059	4.28E-26	0.00242395	0.0105985	0.8190963	0.5768099	20	0.96687326
ENSG00000205560	22	CPT1B	51007290	rs131756	22	51021599	T	C	0.525845	0.0103632	0.00812742	0.202276	0.38755	0.0482813	9.99E-16	0.0267403	0.0212342	0.2079215	0.9866545	19	0.74658316
ENSG00000100288	22	CHKB	51017378	rs762676	22	51017794	G	A	0.0427435	-0.0168835	0.0161755	0.296592	0.823911	0.108848	3.75E-14	-0.0204919	0.0198184	0.3011428	0.9078341	8	0.80382121
ENSG00000100299	22	ARSA	51061182	rs6151429	22	51063477	C	T	0.0815109	-0.0164026	0.0215329	0.446214	-0.744529	0.099746	8.38E-14	0.0220308	0.0290717	0.4485647	0.9644892	8	0.86824012
ENSG00000184319	22	AC002055.4	51195376	rs9616970	22	51216564	C	T	0.142147	0.00699628	0.0113845	0.538856	-0.523076	0.0714768	2.51E-13	-0.0133753	0.0218411	0.5402805	0.0527717	16	0.88821024
ENSG00000062096	23	ARSF	2959512	rs5939430	23	2985457	T	C	0.64752	0.0120214	0.00736919	0.102825	0.205537	0.0373206	3.64E-08	0.0584878	0.0373931	0.1177868	0.4752238	6	0.66978378
ENSG00000101825	23	MXRA5	3226606	rs7889855	23	3075967	T	G	0.215405	0.0102211	0.0082711	0.216547	-0.359744	0.0555323	9.29E-11	-0.0284121	0.0234062	0.2247966	0.4193342	4	0.75840867
ENSG00000205664	23	RP11-706O15.1	3735569	rs6655837	23	3747314	A	G	0.18799	0.0114228	0.00976392	0.242041	-0.458611	0.0694994	4.15E-11	-0.0249074	0.0216222	0.2493477	0.9704911	7	0.76959804
ENSG00000234449	23	RP11-706O15.3	3771051	rs4596791	23	3869108	A	T	0.513055	0.00557384	0.00712561	0.434081	-0.421412	0.072606	6.47E-09	-0.0132266	0.0170618	0.438211	0.2841177	5	0.86824012
ENSG00000101846	23	STS	7137497	rs5933863	23	7270694	A	G	0.184073	0.00223098	0.00974336	0.818889	-0.179563	0.0288176	4.63E-10	-0.0124245	0.0542981	0.8190089	0.7311732	5	0.96687326
ENSG00000182583	23	VCX	7810303	rs845117	23	7812875	G	T	0.652742	-0.0113994	0.00720464	0.113597	-0.4578	0.0704685	8.22E-11	0.0249004	0.0161976	0.1242215	0.8948484	7	0.67680014
ENSG00000006757	23	PNPLA4	7866288	rs1179144	23	7915349	C	T	0.592689	-0.0049099	0.00711112	0.489906	0.241219	0.0329623	2.52E-13	-0.0203547	0.0296109	0.4918274	0.7797482	5	0.87805165
ENSG00000205642	23	VCX3B	8432871	rs7888793	23	8441829	C	T	0.429504	0.00366471	0.00712794	0.60716	-0.47967	0.076578	3.76E-10	-0.0076401	0.0149101	0.6083641	0.9298492	3	0.91226708
ENSG00000176896	23	TCEANC	13671225	rs5979941	23	13697580	C	T	0.493473	2.94E-05	0.00708359	0.996683	-0.386836	0.0594753	7.81E-11	-7.61E-05	0.0183116	0.9966831	0.938103	7	0.9988219
ENSG00000046651	23	OFD1	13752832	rs2238908	23	13758375	A	G	0.233681	0.00033828	0.00812338	0.966783	-0.347163	0.0447875	9.09E-15	-0.0009744	0.0233997	0.966784	0.1987761	11	0.99428844
ENSG00000046647	23	GEMIN8	14026398	rs7052695	23	14053988	G	T	0.301567	0.00282139	0.00785135	0.719333	-0.528968	0.0483725	7.81E-28	-0.0053338	0.0148508	0.7194776	0.7178379	13	0.94753093
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.466415	0.0371727	4.12E-36	-0.0195421	0.0162698	0.2297006	0.01714539	20	0.76373142
ENSG00000087842	23	PIR	15402921	rs3827466	23	15512734	G	A	0.650131	0.019018	0.00759353	0.0122625	0.390448	0.0380469	1.04E-24	0.0487082	0.020019	0.01497054	0.1360293	20	0.3522782
ENSG00000130234	23	ACE2	15579156	rs5936026	23	15734004	T	C	0.527415	-0.0013704	0.00705872	0.846063	0.475989	0.0676659	2.00E-12	-0.0028791	0.0148352	0.8461208	0.2146982	9	0.97214076
ENSG00000147003	23	TMEM27	15645441	rs5936026	23	15734004	T	C	0.527415	-0.0013704	0.00705872	0.846063	0.611151	0.0591371	4.92E-25	-0.0022423	0.0115519	0.8460897	0.5014999	16	0.97214076
ENSG00000169249	23	ZRSR2	15808595	rs5980192	23	15817963	G	A	0.734987	-0.0090658	0.00810155	0.263132	-0.662954	0.0496753	1.25E-40	0.0136748	0.0122633	0.2648055	0.3986866	10	0.78131464
ENSG00000169891	23	REPS2	16964814	rs1426794	23	17172409	G	A	0.793734	-0.0050086	0.00799932	0.531229	0.147792	0.0233034	2.27E-10	-0.0338897	0.0543887	0.5332179	0.5980661	7	0.88643447
ENSG00000131828	23	PDHA1	19362011	rs5955749	23	19359141	A	G	0.0339426	0.00037782	0.0190552	0.984181	-0.371685	0.0591213	3.24E-10	-0.0010165	0.0512673	0.9841808	0.9896809	6	0.99575581
ENSG00000173681	23	CXorf23	19930978	rs7051930	23	20058759	G	A	0.212794	0.010617	0.00834628	0.203349	-0.240861	0.0412308	5.16E-09	-0.0440794	0.0354639	0.213891	0.5146219	19	0.7510308
ENSG00000173674	23	EIF1AX	20142636	rs17523345	23	20134980	A	G	0.218016	0.0146014	0.008448	0.0839189	-0.198467	0.0316806	3.74E-10	-0.0735709	0.0441566	0.09568626	0.9923027	19	0.64788751
ENSG00000012174	23	MBTPS2	21857754	rs4023931	23	21942691	T	C	0.17624	0.00220912	0.0092843	0.811927	-0.344466	0.0590315	5.37E-09	-0.0064132	0.0269751	0.8120797	0.3683524	7	0.96552943
ENSG00000147041	23	SYTL5	37865835	rs5918457	23	37900377	T	A	0.308094	0.00304832	0.00752959	0.685591	0.195433	0.0263709	1.25E-13	0.0155978	0.0385852	0.6860343	0.2046091	10	0.93988406
ENSG00000101955	23	SRPX	38008589	rs5964314	23	38086806	A	C	0.244125	-0.0015499	0.00826374	0.851223	0.29132	0.0525616	2.98E-08	-0.0053204	0.0283828	0.8513073	0.152061	3	0.97373113
ENSG00000183690	23	EFHC2	44007128	rs11091270	23	44212857	A	G	0.396867	0.00195607	0.0071269	0.783729	-0.247001	0.0377227	5.84E-11	-0.0079193	0.0288791	0.7839139	0.6376487	8	0.96344804
ENSG00000147119	23	CHST7	46433219	rs6611279	23	46475904	T	C	0.519582	-0.0063663	0.00704031	0.365855	-0.321338	0.0373054	7.07E-18	0.0198118	0.0220298	0.3684811	0.04558911	18	0.8352928
ENSG00000130988	23	RGN	46937775	rs139078395	23	46938245	A	G	0.110966	0.00903557	0.0114518	0.430107	0.255306	0.0417835	9.95E-10	0.0353911	0.0452276	0.4339139	0.1197943	3	0.86809335
ENSG00000068354	23	TBC1D25	48397845	rs77810867	23	48398114	A	G	0.0626632	-0.0267744	0.0124374	0.0313401	-0.236381	0.0417055	1.45E-08	0.113268	0.0562833	0.04417111	0.6611966	3	0.52029162
ENSG00000215162	23	LINC00269	68399400	rs2885286	23	68426071	G	C	0.317232	-0.0087476	0.00746974	0.241569	0.678034	0.0591957	2.24E-30	-0.0129014	0.0110742	0.2440191	0.1270391	16	0.76866335
ENSG00000231963	23	RP11-493K23.4	72300006	rs7472722	23	72315655	A	C	0.129243	-0.0086974	0.0106732	0.415137	-0.693203	0.0880631	3.50E-15	0.0125467	0.0154792	0.4176228	0.05401322	17	0.86117441
ENSG00000232186	23	RP11-311P8.2	74546607	rs12839727	23	74695257	A	G	0.806789	0.00610984	0.00892425	0.493575	0.389193	0.0711899	4.58E-08	0.0156987	0.0231092	0.4969305	0.5487323	7	0.87805165
ENSG00000186675	23	MAGEE2	75002823	rs140567325	23	74391416	A	G	0.0248042	-0.0057796	0.0165888	0.727537	-0.691417	0.120815	1.05E-08	0.00835908	0.0240369	0.7280201	0.9207643	5	0.94811246
ENSG00000187325	23	TAF9B	77385245	rs321089	23	77556644	C	T	0.79765	-0.0006757	0.00868373	0.937975	0.390777	0.0419085	1.11E-20	-0.0017292	0.0222225	0.9379769	0.4015482	17	0.99132842
ENSG00000184788	23	SATL1	84347293	rs200808598	23	84577053	T	C	0.139687	-0.0052636	0.00948454	0.578915	-0.640159	0.0794954	8.09E-16	0.00822238	0.0148511	0.5798141	0.1873917	10	0.89957869
ENSG00000102362	23	SYTL4	99929488	rs2858178	23	99983920	A	G	0.531332	0.00050974	0.00708671	0.942658	0.482735	0.0388172	1.66E-35	0.00105594	0.0146806	0.9426593	0.4733966	12	0.99244871
ENSG00000007952	23	NOX1	100098313	rs6523414	23	100101942	C	T	0.633159	0.00038772	0.007938	0.961045	0.392162	0.0711252	3.51E-08	0.00098866	0.0202424	0.961046	0.9943819	5	0.99428844
ENSG00000188917	23	TRMT2B	100264335	rs5921708	23	100274985	G	C	0.417755	-0.0055615	0.00741717	0.453366	0.444947	0.0627033	1.28E-12	-0.0124992	0.0167626	0.455871	0.3156969	3	0.86824012
ENSG00000196440	23	ARMCX4	100673275	rs5951268	23	100772491	G	A	0.711488	0.00806763	0.00751806	0.283227	-0.261727	0.0401804	7.33E-11	-0.0308246	0.029112	0.2896782	0.08591845	15	0.79777425
ENSG00000184905	23	TCEAL2	101380660	rs146358856	23	101448312	C	T	0.20235	-0.0152258	0.00902947	0.0917529	-0.215685	0.0322152	2.15E-11	0.0705928	0.0431715	0.1020136	0.102264	12	0.64961631
ENSG00000198932	23	GPRASP1	101906294	rs1034444	23	102164984	T	C	0.0796345	0.0078405	0.0104805	0.454397	-0.356109	0.0368976	4.85E-22	-0.0220171	0.0295189	0.4557482	0.4570418	19	0.86824012
ENSG00000102409	23	BEX4	102470020	rs6523699	23	102306193	G	A	0.651436	-0.0118731	0.0076369	0.120016	0.109807	0.0189808	7.24E-09	-0.108127	0.072016	0.1332446	0.6360307	4	0.6978893
ENSG00000172476	23	RAB40A	102754678	rs4140428	23	102720961	T	G	0.749347	-0.0057281	0.00897099	0.523136	-0.441179	0.0510464	5.49E-18	0.0129837	0.0203895	0.5242664	0.1100483	20	0.88172312
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.336893	0.0429453	4.34E-15	-0.0388135	0.0239264	0.1047592	0.6789794	12	0.65730868
ENSG00000018610	23	CXorf56	118672112	rs120118895	23	118632618	A	G	0.0417755	0.00673613	0.019649	0.731732	-0.80761	0.0776585	2.49E-25	-0.0083408	0.024343	0.7318716	0.9974629	20	0.94884724
ENSG00000125351	23	UPF3B	118967985	rs2496237	23	119017633	C	T	0.579634	0.00020072	0.00708539	0.9774	-0.431499	0.061295	1.93E-12	-0.0004652	0.0164205	0.9774	0.6571117	13	0.99453968
ENSG00000125352	23	RNF113A	119004497	rs1858934	23	119004405	A	T	0.493473	0.00108451	0.00705848	0.877888	0.178654	0.0323278	3.27E-08	0.00607045	0.0395245	0.8779354	0.7290682	13	0.97700295
ENSG00000171155	23	C1GALT1C1	119759648	rs12839503	23	119704952	G	A	0.0391645	0.03355	0.0208244	0.107159	-0.602772	0.0926435	7.70E-11	-0.0556595	0.0355911	0.1178504	0.9419197	8	0.66978378
ENSG00000123728	23	RAP2C	131337053	rs5977684	23	131439698	G	C	0.298956	0.00121452	0.00758307	0.872753	0.280133	0.0431286	8.29E-11	0.00433551	0.0270778	0.8727918	0.5508321	11	0.97700295
ENSG00000212747	23	FAM127C	134154543	rs2475853	23	134156121	C	G	0.75718	0.0049918	0.00754638	0.508302	0.379483	0.0599395	2.43E-10	0.0131542	0.0199942	0.5106014	0.3360963	6	0.8783337
ENSG00000203950	23	FAM127B	134184962	rs4614163	23	134204238	C	T	0.693211	0.00205254	0.007804	0.792541	-0.353791	0.0404468	2.19E-18	-0.0058016	0.0220682	0.7926335	0.208169	20	0.96351947
ENSG00000169551	23	CXorf48	134290461	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.559727	0.0734836	2.60E-14	-0.0165031	0.0137903	0.2314186	0.7146232	13	0.76373142
ENSG00000236491	23	RP13-565O16.2	134314179	rs12844065	23	134215148	A	T	0.408616	0.00421556	0.00727218	0.562128	-0.630003	0.0690118	6.92E-20	-0.0066913	0.0115663	0.5629145	0.750871	16	0.89445177
ENSG00000203930	23	LINC00632	139791932	rs4824956	23	139854825	G	A	0.139687	0.0130813	0.0106195	0.218019	-0.458341	0.0666944	6.32E-12	-0.0285405	0.0235387	0.225323	0.3245164	4	0.7585797
ENSG00000179542	23	SLITRK4	142710596	rs146188921	23	142714243	C	T	0.0691906	-0.0111979	0.0177088	0.527166	-0.401952	0.060477	3.00E-11	0.0278588	0.0442559	0.5290265	0.2910776	3	0.88459725
ENSG00000238039	23	AF011889.2	148593039	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.713056	0.0700596	2.49E-24	-0.0073028	0.0101064	0.4699346	0.9126078	16	0.87345602
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.630585	0.0769809	2.58E-16	0.00709229	0.012013	0.5549337	0.4229678	15	0.89377419
ENSG00000063601	23	MTMR1	149861435	rs6627803	23	149913287	G	A	0.497389	-0.0040322	0.00716875	0.573795	0.281482	0.0426741	4.22E-11	-0.014325	0.0255603	0.5751808	0.3464108	17	0.89957869
ENSG00000102181	23	CD99L2	149934810	rs6877	23	149935100	C	T	0.600522	0.0160558	0.00717985	0.0253367	-0.180922	0.0320635	1.67E-08	-0.0887443	0.0426877	0.0376245	0.2911326	4	0.49915936
ENSG00000130032	23	PRRG3	150863596	rs35662236	23	150863991	T	C	0.518277	-0.0048579	0.00726914	0.503948	-0.206307	0.0302298	8.82E-12	0.0235469	0.0354031	0.5059813	0.534007	6	0.8783337
ENSG00000225110	23	LL0XNC01-16G2.1	152583141	rs6627780	23	152586593	C	T	0.530026	-0.0004954	0.00707974	0.944214	-0.292255	0.0399087	2.42E-13	0.00169509	0.0242256	0.9442169	0.8992651	10	0.99247344
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.17716	0.164084	7.28E-13	-0.0114464	0.0177494	0.5189972	0.3761976	6	0.88027463
ENSG00000213391	23	RP11-66N11.6	152871972	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-0.923658	0.149132	5.88E-10	-0.014588	0.022652	0.5195732	0.3578232	4	0.88027463
ENSG00000184343	23	SRPK3	153041867	rs2269366	23	153049739	T	C	0.165796	0.00769612	0.00894393	0.389522	-0.327617	0.0532117	7.42E-10	-0.0234912	0.0275653	0.3941017	0.3375448	4	0.8477398
ENSG00000147403	23	RPL10	153618315	rs2239469	23	153584885	A	C	0.0861619	0.00416634	0.0101244	0.680696	-0.323678	0.0432501	7.22E-14	-0.0128719	0.0313265	0.6811502	0.1634499	11	0.93780632
ENSG00000130827	23	PLXNA3	153686621	rs2239470	23	153598413	C	T	0.197128	-0.0098336	0.00825642	0.233643	-0.385269	0.0466518	1.48E-16	0.0255241	0.021652	0.2384651	0.07732062	20	0.76866335
ENSG00000185973	23	TMLHE	154719776	rs2085082	23	154784971	G	C	0.781984	0.0161895	0.00823519	0.0493106	-0.351208	0.0548747	1.55E-10	-0.0460966	0.0245294	0.0602119	0.5094199	10	0.55445831

Table S5. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in nucleus accumbens

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000225880	1	LINC00115	761586	rs3115850	1	761147	C	T	0.838966	-0.0077542	0.0101849	0.446454	-0.641555	0.111392	8.44E-09	0.0120865	0.0160134	0.4503858	0.6594471	4	0.85502448
ENSG00000272512	1	RP11-54O7.17	931346	rs2799060	1	931362	A	G	0.360835	-0.0060207	0.00818077	0.461758	-0.704397	0.0632154	7.76E-29	0.0085473	0.0116392	0.4627316	0.5841423	20	0.85502448
ENSG00000131591	1	C1orf159	1017198	rs6678318	1	1030633	A	G	0.166004	-0.0045791	0.00996289	0.645793	-0.525772	0.0515483	1.99E-24	0.00870925	0.0189683	0.6461281	0.5865475	19	0.92320922
ENSG00000176022	1	B3GALT6	1167629	rs77994686	1	1170982	A	C	0.100398	-0.0095706	0.0120718	0.427894	-0.476115	0.0675211	1.77E-12	0.0201014	0.0255146	0.4307903	0.1700008	20	0.85492516
ENSG00000162572	1	SCNN1D	1215816	rs114964868	1	1210468	T	C	0.0228628	0.0207927	0.019506	0.286438	0.557007	0.096401	7.56E-09	0.0373293	0.0356103	0.2945122	0.4689246	3	0.76840073
ENSG00000127054	1	CPSF3L	1246965	rs544534576	1	1323967	C	A	0.0477137	0.00080361	0.014975	0.957204	0.465876	0.0837593	2.67E-08	0.00172494	0.0321452	0.9572055	0.8422146	11	0.99132464
ENSG00000242485	1	MRPL20	1337288	rs3889966	1	1279428	A	G	0.101392	-0.0149179	0.0119754	0.212872	0.437136	0.0541774	7.11E-16	-0.0341265	0.0277197	0.2182758	0.773192	20	0.71515829
ENSG00000235098	1	ANKRD65	1353800	rs4970449	1	1353632	G	A	0.0934394	-0.0083522	0.0114086	0.464108	-1.21943	0.111909	1.20E-27	0.00684927	0.00937677	0.4651151	0.7061286	20	0.85502448
ENSG00000225905	1	RP4-758J18.7	1355625	rs3766165	1	1354594	G	A	0.0924453	-0.0096122	0.0114549	0.401396	-0.8842	0.160929	3.92E-08	0.010871	0.0131053	0.4068146	0.07912717	5	0.83733092
ENSG00000215915	1	ATAD3C	1385069	rs4590	1	1375810	G	C	0.188867	-0.0138068	0.00926983	0.136373	-0.659202	0.0706159	1.01E-20	0.0209447	0.0142401	0.1413371	0.9719497	20	0.63115442
ENSG00000160072	1	ATAD3B	1407143	rs144526264	1	1466393	A	G	0.0129225	0.0361086	0.042041	0.390401	-1.77776	0.171218	2.96E-25	-0.0203113	0.0237291	0.3920163	0.8197139	20	0.82705257
ENSG00000189339	1	SLC35E2B	1592939	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	-0.905545	0.0609776	6.91E-50	-0.003769	0.0106388	0.7231363	0.4417963	20	0.93605801
ENSG00000215914	1	MMP23A	1631369	rs3737623	1	1620885	C	T	0.399602	0.00785969	0.00832998	0.345404	-0.616867	0.0840215	2.11E-13	-0.0127413	0.0136147	0.3493527	0.6200861	20	0.81045309
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.6689	0.206654	6.70E-16	-0.0079658	0.0185587	0.6677619	0.2494479	4	0.93003269
ENSG00000227775	1	RP1-283E3.4	1655951	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	0.685458	0.0619987	2.05E-28	0.00497918	0.014058	0.723197	0.3584892	18	0.93605801
ENSG00000215790	1	SLC35E2	1656277	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.11815	0.149765	8.27E-14	-0.0118894	0.0277065	0.6678369	0.2501788	4	0.93003269
ENSG00000231050	1	RP1-140A9.1	1822910	rs3806168	1	1823524	C	G	0.197813	-0.0017534	0.0109635	0.872936	-1.10183	0.109543	8.43E-24	0.00159134	0.00995152	0.8729523	0.4446933	20	0.977264
ENSG00000233542	1	RP11-547D24.1	1944652	rs28502222	1	1952605	C	T	0.828032	2.96E-05	0.0110182	0.997857	0.793577	0.0939622	3.02E-17	3.73E-05	0.0138842	0.9978567	0.4388186	11	0.99817208
ENSG00000162585	1	C1orf86	2115903	rs28719902	1	2060058	T	C	0.222664	-0.0070693	0.00979256	0.470354	-0.22716	0.0378891	2.03E-09	0.0311203	0.04342	0.4735431	0.8763862	5	0.85664168
ENSG00000269896	1	RP4-740C4.6	2281853	rs2173048	1	2278651	T	C	0.195825	-0.0111423	0.0101289	0.271309	-0.393892	0.0594049	3.34E-11	0.0282877	0.0260664	0.2778256	0.8279929	12	0.75436188
ENSG00000272420	1	RP4-740C4.7	2294500	rs10910055	1	2295778	C	A	0.352883	-0.0022631	0.00836611	0.786774	0.269484	0.0448721	1.91E-09	-0.0083977	0.0310764	0.7869848	0.7984565	4	0.94647669
ENSG00000157911	1	PEX10	2336236	rs2494598	1	2340200	C	T	0.791252	-0.0165117	0.0101082	0.102363	0.244772	0.0433873	1.69E-08	-0.0674575	0.0429926	0.116637	0.8717973	8	0.60616766
ENSG00000157870	1	FAM213B	2517930	rs368077828	1	2716569	G	C	0.0198807	-0.0168076	0.0328531	0.608932	-1.35236	0.199995	1.36E-11	0.0124283	0.0243626	0.6099529	0.3735198	7	0.91209617
ENSG00000142606	1	MMEL1	2522078	rs4648652	1	2535758	G	A	0.332008	0.00436103	0.00835118	0.601528	-0.706066	0.0696447	3.74E-24	-0.0061765	0.0118434	0.6020088	0.5808806	20	0.90798731
ENSG00000215912	1	TTC34	2567415	rs2985857	1	2532624	T	C	0.688867	-0.0065562	0.00844897	0.437762	-0.338003	0.0579677	5.51E-09	0.0193969	0.0252171	0.4417763	0.9199692	14	0.85502448
ENSG00000158109	1	TPRG1L	3541566	rs6697769	1	3570883	T	C	0.489066	0.0202286	0.00805817	0.012062	-0.285079	0.0348485	2.83E-16	-0.0709579	0.0295674	0.01640091	0.8536898	20	0.34868323
ENSG00000169598	1	DFFB	3773845	rs12071660	1	3796542	A	G	0.514911	-0.0031751	0.00805876	0.693585	0.476333	0.0494676	6.02E-22	-0.0066657	0.0169325	0.693829	0.5500457	19	0.93344952
ENSG00000198912	1	C1orf174	3805689	rs35241263	1	3831232	G	A	0.737575	-0.0057946	0.00938069	0.536762	0.680556	0.0992986	7.20E-12	-0.0085145	0.0138397	0.5384074	0.134874	7	0.87657378
ENSG00000131697	1	NPHP4	5922871	rs806111	1	6053630	G	T	0.346918	0.0140997	0.00852389	0.098098	-0.328453	0.0452416	3.87E-13	-0.0429276	0.0266167	0.1067866	0.00618318	20	0.59966108
ENSG00000116237	1	ICMT	6281253	rs14281	1	6281667	C	A	0.0854871	-0.0594357	0.0222113	0.00745229	-0.371008	0.0592673	3.85E-10	0.160201	0.0651079	0.01387279	0.04070212	9	0.34868323
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.740565	0.0763568	3.05E-22	0.00277697	0.0108994	0.7988908	0.03037019	16	0.94842062
ENSG00000142599	1	RERE	8412457	rs11121178	1	8448404	G	A	0.691849	0.0306848	0.00833225	0.00023082	-0.326351	0.0548675	2.71E-09	-0.0940239	0.0300291	0.00174154	0.4695459	9	0.19685577
ENSG00000162490	1	DRAXIN	11751786	rs6687381	1	11768869	C	A	0.624254	0.00146425	0.00901311	0.870945	0.320936	0.0570622	1.86E-08	0.00456244	0.0280955	0.8709987	0.385527	5	0.9765182
ENSG00000177000	1	MTHFR	11845780	rs1476413	1	11852300	T	C	0.280318	-0.003727	0.008916	0.675941	0.485676	0.0725897	2.22E-11	-0.0076738	0.0183937	0.676536	0.309389	18	0.93020759
ENSG00000242349	1	NPPA-AS1	11901074	rs198365	1	11906641	T	C	0.12326	0.00492002	0.0147754	0.739146	-0.938341	0.118476	2.37E-15	-0.0052433	0.0157602	0.7393658	0.09389296	17	0.93605801
ENSG00000116771	1	AGMAT	15898848	rs4646068	1	15828704	C	T	0.297217	0.00648937	0.00844013	0.44197	0.51254	0.0783009	5.92E-11	0.0126612	0.0165805	0.4450931	0.3569829	7	0.85502448
ENSG00000162461	1	SLC25A34	16062900	rs11577746	1	16061586	G	A	0.21173	-0.0043913	0.010149	0.665243	-0.57227	0.0627652	7.68E-20	0.00767353	0.0177546	0.6655964	0.06220675	19	0.93003269
ENSG00000186510	1	CLCNKA	16345370	rs1763596	1	16343835	T	C	0.591451	0.0159536	0.00812767	0.0496604	-0.602679	0.0739798	3.74E-16	-0.0264711	0.0138718	0.05635707	0.7714706	19	0.52780415
ENSG00000232456	1	RP11-5P18.10	16361673	rs1414498	1	16381718	C	T	0.791252	0.00716724	0.00880481	0.415637	0.863302	0.10775	1.13E-15	0.00830212	0.0102515	0.4180292	0.1847985	16	0.84757362
ENSG00000185519	1	FAM131C	16384264	rs9442236	1	16396318	A	G	0.305169	-0.0019642	0.0103906	0.850064	0.394542	0.0667875	3.47E-09	-0.0049785	0.0263493	0.8501395	0.6116305	11	0.96926928
ENSG00000142632	1	ARHGEF19	16524349	rs221052	1	16533022	T	C	0.740557	0.00746333	0.0095429	0.434166	-0.429521	0.064265	2.33E-11	-0.0173759	0.0223691	0.4372874	0.443526	3	0.85502448
ENSG00000037637	1	FBXO42	16573334	rs12069239	1	16577908	C	G	0.333996	-0.0204815	0.00859148	0.0171289	-0.371823	0.0498677	8.91E-14	0.055084	0.0242587	0.02316544	0.9364255	9	0.39677591
ENSG00000226029	1	RP4-798A10.2	16787443	rs1877623	1	16794115	C	G	0.222664	0.00802652	0.010488	0.444092	0.404064	0.0564522	8.21E-13	0.0198645	0.0261042	0.4466764	0.04082428	14	0.85502448
ENSG00000186301	1	MST1P2	16972069	rs76074825	1	17284498	C	T	0.525845	-0.0053509	0.00810043	0.508885	0.366884	0.0652461	1.88E-08	-0.0145848	0.0222308	0.5117842	0.9744362	3	0.87041275
ENSG00000058453	1	CROCC	17066768	rs2235933	1	17301448	T	C	0.2833	0.0175504	0.00849761	0.038892	0.303373	0.0480945	2.83E-10	0.0578509	0.0294737	0.04966942	0.8864485	8	0.50985251
ENSG00000186715	1	MST1L	17081405	rs1985272	1	17188391	C	T	0.465209	0.00134508	0.0084758	0.873908	-0.561357	0.0858502	6.20E-11	-0.0023961	0.0151032	0.8739448	0.265891	16	0.977264
ENSG00000238142	1	RP11-108M9.4	17215033	rs157252	1	16796721	C	A	0.553678	-0.0031391	0.00807261	0.697381	-0.633083	0.0943722	1.97E-11	0.00495845	0.0127727	0.6978623	0.6202374	9	0.93344952
ENSG00000235241	1	RP11-108M9.5	17215590	rs2235933	1	17301448	T	C	0.2833	0.0175504	0.00849761	0.038892	0.687301	0.114051	1.68E-09	0.0255352	0.0130697	0.05072789	0.9872934	5	0.51625007
ENSG00000159423	1	ALDH4A1	19197926	rs28514949	1	19237686	T	C	0.0387674	0.0518562	0.0234965	0.0273162	1.1254	0.122094	3.04E-20	0.046078	0.0214685	0.03184823	0.2130422	8	0.44271993
ENSG00000127463	1	EMC1	19542158	rs10799710	1	19483209	G	A	0.441352	-0.0200226	0.00818137	0.0143913	-0.467479	0.0489257	1.24E-21	0.042831	0.018066	0.01774928	0.2166284	20	0.34868323
ENSG00000053372	1	MRTO4	19578033	rs9426684	1	19585903	A	G	0.225646	0.00759759	0.0108474	0.483672	-0.385656	0.0514178	6.36E-14	-0.0197004	0.0282495	0.4855697	0.9055082	11	0.86080238
ENSG00000158747	1	NBL1	19967048	rs115614639	1	19971135	A	C	0.245527	0.0194592	0.00968952	0.0446149	-0.26658	0.04483	2.74E-09	-0.0729957	0.0383644	0.05708063	0.614002	8	0.52780415
ENSG00000158748	1	HTR6	19991780	rs41264099	1	20006345	T	C	0.596421	-0.0166329	0.00846218	0.0493492	-0.251796	0.0374775	1.83E-11	0.066057	0.035016	0.05922976	0.8156882	8	0.52780415
ENSG00000169914	1	OTUD3	20209006	rs10492999	1	20237760	G	A	0.05666	0.015587	0.0132551	0.239624	0.977801	0.0979323	1.78E-23	0.0159409	0.0136497	0.2428661	0.6000689	8	0.73372296
ENSG00000127472	1	PLA2G5	20354672	rs640022	1	20398476	T	C	0.145129	-0.0225665	0.0138745	0.103848	-0.497468	0.0763385	7.19E-11	0.0453627	0.0287458	0.1145511	0.1954092	8	0.60439303
ENSG00000227066	1	RP3-340N1.2	20480831	rs6426613	1	20480668	T	G	0.331014	0.00545396	0.00835532	0.513916	0.664508	0.0750903	8.79E-19	0.00820752	0.0126079	0.5150565	0.2739189	7	0.87041275
ENSG00000090432	1	MUL1	20825943	rs529974	1	20826910	A	G	0.357853	-0.0010286	0.00863291	0.90516	-0.5523	0.0645669	1.19E-17	0.00186236	0.0156324	0.9051685	0.6035027	20	0.98799482
ENSG00000158825	1	CDA	20915441	rs879088	1	20969441	A	T	0.243539	-0.0116375	0.00978924	0.234515	0.45999	0.0682971	1.64E-11	-0.0252995	0.0216104	0.241716	0.2542138	10	0.73372296
ENSG00000117242	1	PINK1-AS	20969150	rs639455	1	20978221	T	C	0.411531	-0.0137803	0.00827891	0.0960108	0.506177	0.0825014	8.50E-10	-0.0272243	0.016947	0.1081778	0.292827	6	0.59966108
ENSG00000117245	1	KIF17	20990507	rs601329	1	21044161	G	A	0.7167	0.00042191	0.00905126	0.962821	0.312933	0.0462083	1.27E-11	0.00134825	0.0289246	0.9628221	0.2195926	9	0.99132464
ENSG00000227001	1	NBPF2P	21751118	rs10799691	1	21773362	G	C	0.746521	-0.0115752	0.00905753	0.201263	0.968027	0.11194	5.25E-18	-0.0119575	0.00945831	0.206146	0.3614951	13	0.70128891
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.1766	0.0831686	1.94E-45	0.0113514	0.00800808	0.1563405	0.2360176	20	0.64842413
ENSG00000218510	1	LINC00339	22351681	rs11586488	1	22348556	C	T	0.277336	0.00687397	0.00916407	0.453194	1.19608	0.0919402	1.08E-38	0.00574708	0.00767448	0.4539438	0.1537385	16	0.85502448
ENSG00000179546	1	HTR1D	23516993	rs856508	1	23532995	C	A	0.420477	-0.0072284	0.00830677	0.384202	-0.268072	0.0413974	9.44E-11	0.0269643	0.0312656	0.3884523	0.9989327	13	0.82705257
ENSG00000204219	1	TCEA3	23707554	rs4649090	1	23781642	T	C	0.671968	-0.0132101	0.00910564	0.146845	0.463257	0.0552446	5.05E-17	-0.0285157	0.0199477	0.1528536	0.3808287	20	0.64465192
ENSG00000001460	1	STPG1	24683489	rs519782	1	24713655	A	C	0.242545	0.01587	0.0101411	0.117602	-0.540411	0.0528841	1.63E-24	-0.0293665	0.0189843	0.1218909	0.8398954	19	0.61194908
ENSG00000261349	1	RP3-465N24.5	25592593	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-0.841764	0.0815828	5.85E-25	0.0363868	0.0106491	0.00063341	0.1425695	11	0.16706239
ENSG00000187010	1	RHD	25598884	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-1.13435	0.0788216	5.86E-47	0.0270015	0.00768889	0.00044516	0.3387597	18	0.16706239
ENSG00000224183	1	SDHDP6	25620655	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-1.00822	0.0770678	4.16E-39	0.0300583	0.00869772	0.00054849	0.4895033	14	0.16706239
ENSG00000188672	1	RHCE	25688740	rs1053438	1	25687901	C	T	0.44334	0.0129332	0.00805866	0.10852	-0.901414	0.0760765	2.18E-32	-0.0143477	0.00902165	0.1117536	0.00794312	13	0.60358386
ENSG00000157978	1	LDLRAP1	25870071	rs3856240	1	25892525	C	T	0.475149	-0.0156534	0.00807609	0.0525945	0.326481	0.0387536	3.62E-17	-0.0479458	0.025383	0.05890622	0.00602317	5	0.52780415
ENSG00000197245	1	FAM110D	26485511	rs10902717	1	26486092	C	T	0.628231	0.00366217	0.00847101	0.665511	0.359636	0.0628867	1.07E-08	0.010183	0.0236216	0.6664044	0.4077034	7	0.93003269
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.725109	0.0598892	9.64E-34	0.0197646	0.0136735	0.1483273	0.00707707	20	0.64210759
ENSG00000090273	1	NUDC	27226729	rs145416147	1	27062543	C	T	0.0735586	-0.0171166	0.0150641	0.255851	0.535606	0.0876047	9.72E-10	-0.0319574	0.0286069	0.2639419	0.8258363	7	0.75123751
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.47163	0.0910343	8.81E-59	0.0145723	0.0130895	0.2655843	0.8411059	20	0.75169485
ENSG00000130768	1	SMPDL3B	28261504	rs3737809	1	28261593	C	T	0.441352	-0.0031094	0.00811779	0.701691	0.561748	0.0657188	1.26E-17	-0.0055353	0.0144654	0.7019765	0.4544956	9	0.93402459
ENSG00000158161	1	EYA3	28296855	rs12128770	1	28379322	G	A	0.257455	-0.0158171	0.00924064	0.0869541	0.341871	0.0489046	2.74E-12	-0.0462663	0.0278281	0.09639764	0.3052881	5	0.59357691
ENSG00000130770	1	ATPIF1	28562620	rs479572	1	28562252	G	C	0.286282	-0.0077717	0.00901413	0.388596	-0.232109	0.0365568	2.16E-10	0.0334829	0.0391922	0.3929244	0.4633892	11	0.82705257
ENSG00000270605	1	RP5-1092A3.4	28566020	rs539700	1	28548705	C	A	0.287276	-0.0077689	0.00901448	0.388785	-0.989636	0.0714896	1.40E-43	0.00785025	0.00912652	0.3897019	0.3319808	18	0.82705257
ENSG00000204138	1	PHACTR4	28696114	rs112818191	1	28694413	G	A	0.346918	0.0177846	0.0083841	0.0339031	-0.321715	0.050268	1.55E-10	-0.0552806	0.0274548	0.04406054	0.9081435	11	0.48930389
ENSG00000084628	1	NKAIN1	31652592	rs11584136	1	31685616	C	G	0.760437	0.00128925	0.00890456	0.88488	0.755722	0.0767231	6.85E-23	0.00170598	0.0117841	0.8848927	0.1012022	19	0.98128259
ENSG00000084636	1	COL16A1	32117848	rs10798887	1	32173811	A	G	0.537773	-0.0002472	0.008081	0.975592	0.326282	0.0438018	9.40E-14	-0.0007578	0.0247671	0.975592	0.8007332	7	0.99631719
ENSG00000121904	1	CSMD2	33979609	rs4653352	1	34283024	G	A	0.116302	0.00462892	0.0123955	0.708825	0.324643	0.0548849	3.32E-09	0.0142585	0.038258	0.7093766	0.7467383	9	0.93547223
ENSG00000116883	1	RP11-268J15.5	36789335	rs2242428	1	36752152	T	C	0.420477	-0.0066884	0.00832638	0.421817	0.229388	0.0419208	4.45E-08	-0.0291574	0.0366873	0.4267557	0.3077777	4	0.85416275
ENSG00000116885	1	OSCP1	36881428	rs2275477	1	36886117	T	C	0.206759	-0.0086656	0.0105296	0.410522	0.2248	0.0382868	4.32E-09	-0.0385481	0.0472977	0.4150665	0.5898041	3	0.84464168
ENSG00000233621	1	RP11-422J8.1	37920480	rs2456802	1	37940638	A	G	0.533797	0.00456126	0.00822768	0.579319	0.598142	0.0669771	4.24E-19	0.00762571	0.0137819	0.5800479	0.2400811	18	0.89680723
ENSG00000163879	1	DNALI1	38022520	rs149082223	1	38016589	G	A	0.054672	0.0107942	0.0138871	0.436991	-0.508277	0.0865352	4.26E-09	-0.0212368	0.0275601	0.440965	0.2254728	3	0.85502448
ENSG00000134697	1	GNL2	38032417	rs11264069	1	38014478	G	A	0.581511	-0.0102379	0.00881108	0.245265	-0.324126	0.0543337	2.44E-09	0.0315862	0.027695	0.2540772	0.4244433	9	0.74115607
ENSG00000204084	1	INPP5B	38326369	rs12760154	1	38284616	C	G	0.280318	0.00660722	0.00863572	0.44421	0.288813	0.0439421	4.95E-11	0.0228772	0.0301026	0.4472715	0.4376527	13	0.85502448
ENSG00000168653	1	NDUFS5	39491990	rs6682588	1	39521809	G	C	0.297217	0.00473042	0.00938508	0.614236	-0.21456	0.0334957	1.50E-10	-0.0220471	0.0438763	0.6153278	0.64689	10	0.91218383
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-0.92174	0.122455	5.18E-14	0.00636643	0.0181206	0.7253363	0.9500166	3	0.93605801
ENSG00000116983	1	HPCAL4	40144320	rs6688223	1	40151668	G	A	0.832008	0.00207075	0.0109927	0.850582	0.260397	0.0409835	2.10E-10	0.00795228	0.0422337	0.8506475	0.1029933	5	0.96949922
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.598848	0.0577463	3.38E-25	-0.0007913	0.0139609	0.9547984	0.4057351	17	0.99132464
ENSG00000043514	1	TRIT1	40306723	rs137882240	1	40346661	A	G	0.101392	0.0213879	0.0134163	0.110898	-0.413718	0.0735748	1.88E-08	-0.0516968	0.0337066	0.1250967	0.9731607	11	0.61194908
ENSG00000187815	1	ZFP69	40942887	rs12042529	1	40938997	C	T	0.323062	-0.0051402	0.00879323	0.558838	-0.480558	0.08655	2.82E-08	0.0106964	0.0183991	0.5610014	0.9719439	8	0.88741887
ENSG00000238287	1	RP11-656D10.3	40958829	rs11208254	1	40959506	T	G	0.328032	-0.0033593	0.00881244	0.703059	-0.89944	0.103433	3.44E-18	0.00373482	0.00980711	0.7033306	0.463002	18	0.93413401
ENSG00000164002	1	EXO5	40974413	rs6699445	1	40989620	T	C	0.191849	-0.0030424	0.0102367	0.766307	0.434863	0.0692103	3.32E-10	-0.0069963	0.0235664	0.7665611	0.9121088	4	0.94202502
ENSG00000272145	1	RP4-739H11.4	41156052	rs4660457	1	41239793	G	A	0.22167	-0.0037057	0.0096451	0.700824	0.57302	0.0866307	3.73E-11	-0.006467	0.0168604	0.7013038	0.1706575	7	0.93402459
ENSG00000164008	1	C1orf50	43232940	rs10493114	1	43245560	G	A	0.253479	0.00391403	0.00844733	0.643117	-0.575934	0.0576633	1.72E-23	-0.006796	0.014683	0.6434737	0.5013651	20	0.92288763
ENSG00000228452	1	RP5-994D16.9	43241484	rs61775634	1	43233484	A	G	0.253479	0.00382943	0.00845235	0.650504	0.622291	0.0807291	1.27E-14	0.00615376	0.0136061	0.651067	0.3984821	20	0.92429596
ENSG00000177868	1	CCDC23	43272723	rs323719	1	43270928	A	G	0.296223	0.0005948	0.00833467	0.943108	0.670942	0.0672485	1.92E-23	0.00088652	0.0124227	0.943109	0.284775	19	0.99132464
ENSG00000164010	1	ERMAP	43282795	rs12406279	1	43310639	G	A	0.16501	-0.0001929	0.0113428	0.986428	-0.593895	0.0700907	2.39E-17	0.00032488	0.019099	0.9864285	0.1297941	3	0.99662399
ENSG00000227533	1	SLC2A1-AS1	43424720	rs2367159	1	43432589	C	T	0.529821	0.0084846	0.00812487	0.296358	-0.662733	0.0871139	2.79E-14	-0.0128024	0.0123746	0.3008679	0.4765525	12	0.77272183
ENSG00000117407	1	ARTN	44398992	rs4448553	1	44411589	G	A	0.758449	0.00308062	0.00938814	0.742807	-0.498063	0.0885276	1.84E-08	-0.0061852	0.0188813	0.7432271	0.7743154	5	0.93605801
ENSG00000070785	1	EIF2B3	45316450	rs6688710	1	45218542	C	T	0.398608	-0.0029771	0.00808268	0.712623	0.231927	0.0390976	2.99E-09	-0.0128365	0.0349172	0.7131518	0.09197318	16	0.93605801
ENSG00000085999	1	RAD54L	46713360	rs12738055	1	46701222	A	T	0.318091	0.0131105	0.00956284	0.170379	0.338294	0.04781	1.49E-12	0.0387548	0.0287936	0.178318	0.6289365	9	0.66008944
ENSG00000117480	1	FAAH	46859937	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	0.267838	0.0452689	3.29E-09	0.00509651	0.0322294	0.8743525	0.9476191	5	0.977264
ENSG00000232022	1	RP5-1109J22.1	46897801	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	-0.520268	0.0533235	1.72E-22	-0.0026237	0.0165882	0.8743244	0.4086666	20	0.977264
ENSG00000162456	1	KNCN	47011316	rs10890404	1	47013180	G	A	0.730616	0.00849126	0.00871621	0.329961	0.280625	0.0510724	3.91E-08	0.0302584	0.0315444	0.337442	0.9375702	10	0.79993575
ENSG00000187048	1	CYP4A11	47394849	rs10890438	1	47467796	T	C	0.267396	0.0134031	0.00863073	0.120435	0.410596	0.064241	1.64E-10	0.032643	0.0216316	0.131287	0.8799785	20	0.61757097
ENSG00000162366	1	PDZK1IP1	47649265	rs2248907	1	47655816	G	A	0.818091	0.00348568	0.0108468	0.74794	0.674138	0.088941	3.47E-14	0.00517057	0.0161043	0.7481595	0.6983905	7	0.93704979
ENSG00000117834	1	SLC5A9	48688357	rs61774389	1	48927922	T	C	0.423459	-0.0025778	0.00832031	0.756693	0.51639	0.0866852	2.57E-09	-0.004992	0.0161342	0.7570121	0.5177946	8	0.93884925
ENSG00000272491	1	RP5-1024N4.4	48693560	rs61774389	1	48927922	T	C	0.423459	-0.0025778	0.00832031	0.756693	0.643866	0.0799308	7.93E-16	-0.0040037	0.012932	0.7568681	0.321001	20	0.93884925
ENSG00000132122	1	SPATA6	48761044	rs3738309	1	48869288	A	T	0.424453	-0.003142	0.00832046	0.70571	-0.230881	0.0416595	2.99E-08	0.0136088	0.0361214	0.7063587	0.7686978	11	0.93460877
ENSG00000227742	1	CALR4P	52027538	rs12142039	1	52048980	T	C	0.459245	-0.0018018	0.00862102	0.83445	-0.595115	0.0806817	1.63E-13	0.0030276	0.0144921	0.8345158	0.1316323	8	0.96255193
ENSG00000266993	1	RP4-657D16.3	52259637	rs7551758	1	52274078	G	T	0.555666	0.0120976	0.00808527	0.134587	0.401113	0.0721581	2.72E-08	0.0301601	0.0208745	0.1485064	0.8651398	6	0.64210759
ENSG00000134744	1	ZCCHC11	52873954	rs11805462	1	53003821	T	C	0.0506958	-0.0073924	0.0173094	0.669328	0.72689	0.0820453	8.03E-19	-0.0101698	0.0238406	0.6696881	0.9198234	20	0.93003269
ENSG00000162377	1	SELRC1	53152508	rs12067454	1	53137328	T	C	0.364811	0.0063685	0.00848273	0.452797	-0.306238	0.0380107	7.84E-16	-0.0207959	0.0278198	0.4547485	0.4140035	5	0.85502448
ENSG00000162378	1	ZYG11B	53192126	rs61768342	1	53217028	A	G	0.423459	-0.0093514	0.00806389	0.246188	0.227152	0.0306172	1.18E-13	-0.0411679	0.035931	0.2518995	0.2534873	20	0.74108855
ENSG00000121310	1	ECHDC2	53361656	rs506527	1	53350683	T	C	0.599404	0.0104595	0.0081186	0.197628	0.191177	0.0342884	2.47E-08	0.0547111	0.0435854	0.2093834	0.3589417	11	0.70128891
ENSG00000162383	1	SLC1A7	53552855	rs3737989	1	53600078	G	A	0.159046	0.0209027	0.0107785	0.052465	0.754682	0.0929197	4.59E-16	0.0276974	0.0146837	0.05925859	0.8832505	16	0.52780415
ENSG00000162384	1	C1orf123	53679771	rs2297657	1	53746595	T	A	0.363817	-0.012015	0.00816849	0.141318	-0.36623	0.0572077	1.54E-10	0.0328073	0.0228854	0.1517026	0.7894195	8	0.64465192
ENSG00000184313	1	MROH7	55107463	rs683024	1	55054505	G	T	0.684891	0.00287587	0.00844064	0.733317	0.266584	0.0444056	1.93E-09	0.0107879	0.0317132	0.7337288	0.9362119	10	0.93605801
ENSG00000243725	1	TTC4	55181495	rs12078343	1	55192440	T	C	0.0616302	-0.0018993	0.0180438	0.916171	0.877999	0.134175	6.00E-11	-0.0021632	0.0205537	0.9161816	0.0905753	5	0.98830215
ENSG00000162399	1	BSND	55464606	rs2500336	1	55461796	G	A	0.797217	0.00222398	0.00954384	0.81574	-0.592074	0.0823999	6.70E-13	-0.0037563	0.0161278	0.8158349	0.4434072	12	0.9577587
ENSG00000134716	1	CYP2J2	60358980	rs12125747	1	60409057	T	C	0.111332	-0.0141602	0.0132529	0.285314	0.456559	0.0788763	7.11E-09	-0.031015	0.0295182	0.2933919	0.5838093	4	0.76742592
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.17549	0.0802823	1.52E-48	0.0138388	0.00734609	0.05958737	0.5128364	13	0.52780415
ENSG00000203965	1	EFCAB7	63989043	rs7528129	1	64076814	G	A	0.120278	-0.0260508	0.0121451	0.0319551	0.417537	0.0633328	4.32E-11	-0.0623916	0.0305883	0.04137797	0.9136416	11	0.47971163
ENSG00000213625	1	LEPROT	65886270	rs6588144	1	65858088	C	T	0.549702	0.00755881	0.00809604	0.350488	-0.50237	0.0420949	7.85E-33	-0.0150463	0.0161649	0.3519576	0.1658603	20	0.81071725
ENSG00000240692	1	RN7SL538P	70345275	rs6695130	1	70345340	T	C	0.0258449	0.0005859	0.0196464	0.976209	1.03953	0.184262	1.69E-08	0.00056362	0.0188996	0.9762091	0.9703184	10	0.9963566
ENSG00000197568	1	HHLA3	70820488	rs7536099	1	70821757	G	A	0.261431	0.0037354	0.0107382	0.727944	-0.503565	0.0654289	1.40E-14	-0.0074179	0.0213461	0.7282111	0.6963513	9	0.93605801
ENSG00000162620	1	LRRIQ3	74491699	rs533371	1	74687012	G	A	0.464215	0.00108298	0.00807081	0.893257	-0.791798	0.0785869	7.09E-24	-0.0013678	0.0101939	0.8932659	0.9551708	20	0.98431676
ENSG00000116783	1	TNNI3K	74663947	rs792323	1	74707594	T	C	0.142147	-0.0077154	0.0104864	0.461883	-0.536556	0.0830765	1.06E-10	0.0143795	0.0196703	0.4647634	0.2367556	6	0.85502448
ENSG00000272864	1	RP11-17E13.2	75164453	rs2345436	1	75198740	C	A	0.685885	-0.0011061	0.00851145	0.896607	-0.718585	0.0681375	5.30E-26	0.00153921	0.0118456	0.896615	0.2454277	20	0.9845666
ENSG00000116791	1	CRYZ	75171170	rs28879157	1	75208034	G	C	0.685885	-0.0032761	0.00855508	0.701761	-0.586709	0.0738254	1.91E-15	0.00558389	0.0145984	0.7020901	0.1803724	4	0.93402459
ENSG00000057468	1	MSH4	76262567	rs10873863	1	76475029	T	C	0.291252	0.00603652	0.00930829	0.516655	0.689425	0.0918169	5.97E-14	0.00875588	0.0135518	0.5182115	0.9851844	20	0.87041275
ENSG00000122432	1	SPATA1	84971974	rs2271620	1	84972099	T	G	0.171968	-0.0067384	0.0108142	0.533216	-0.587113	0.0916032	1.46E-10	0.0114771	0.0185061	0.5351405	0.08693072	16	0.87447889
ENSG00000153898	1	MCOLN2	85391268	rs7516610	1	85459198	A	G	0.467197	-0.0019824	0.00824046	0.809889	-0.770075	0.0840091	4.88E-20	0.00257429	0.0107045	0.8099533	0.5320051	20	0.95474942
ENSG00000055732	1	MCOLN3	85483765	rs12755226	1	85519418	C	T	0.243539	0.00681839	0.00967317	0.480887	-0.823979	0.0811716	3.28E-24	-0.008275	0.0117679	0.4819416	0.4526201	20	0.85934939
ENSG00000171502	1	COL24A1	86194916	rs61802244	1	86587075	T	C	0.193837	0.0115105	0.00918507	0.210142	-0.470223	0.0762231	6.87E-10	-0.0244788	0.0199324	0.2194124	0.1830189	9	0.71530986
ENSG00000122417	1	ODF2L	86814344	rs4656066	1	86874817	A	G	0.323062	-0.0013797	0.00848825	0.870883	-0.347152	0.0431976	9.25E-16	0.00397422	0.0244561	0.8709087	0.05483301	20	0.9765182
ENSG00000183291	1	15-Sep	87328132	rs4508067	1	87514470	C	T	0.787276	0.00934353	0.00984262	0.342472	-0.449088	0.0463008	3.03E-22	-0.0208056	0.0220216	0.3447718	0.5514475	20	0.80709253
ENSG00000267272	1	RP5-1052I5.1	87595448	rs6686259	1	87598117	G	T	0.728628	0.0114793	0.00893255	0.198755	0.305152	0.0545637	2.24E-08	0.0376183	0.0300354	0.2103996	0.6861301	5	0.70128891
ENSG00000137944	1	CCBL2	89401456	rs4656071	1	89440977	A	G	0.477137	-0.0093642	0.00810133	0.24773	-0.786387	0.0625716	3.17E-36	0.0119079	0.0103454	0.2497224	0.5672204	20	0.73968148
ENSG00000117226	1	GBP3	89472349	rs12121223	1	89481583	T	C	0.32008	0.0176619	0.00946381	0.0620055	-0.926964	0.0719312	5.34E-38	-0.0190535	0.010316	0.06474869	0.5251096	20	0.53758036
ENSG00000213512	1	GBP7	89597434	rs623134	1	89650850	T	A	0.49006	-0.0146373	0.00814017	0.0721523	0.549064	0.0930821	3.66E-09	-0.0266586	0.0154991	0.08542993	0.4501052	9	0.57027956
ENSG00000231999	1	RP5-1007M22.2	90048800	rs6674491	1	90116996	A	G	0.496024	0.00134784	0.00807366	0.867415	-0.303934	0.0553473	3.99E-08	-0.0044347	0.0265761	0.8674757	0.8601968	5	0.9765182
ENSG00000162669	1	HFM1	91726323	rs282045	1	91836212	T	G	0.927435	0.0236719	0.0134532	0.0784802	-0.639267	0.103739	7.17E-10	-0.0370298	0.0218858	0.09065555	0.2550364	8	0.57964609
ENSG00000273487	1	RP4-621B10.8	92654794	rs71650498	1	93006340	T	C	0.0407555	-0.0553524	0.0226764	0.0146477	0.863882	0.139891	6.60E-10	-0.064074	0.0282256	0.02320363	0.00302416	20	0.39677591

ENSG00000223745	1	RP4-717I23.3	93727743	rs10874774	1	93799002	T	C	0.805169	-0.0013983	0.0109173	0.898083	0.943508	0.0644572	1.61E-48	-0.0014821	0.0115714	0.8980865	0.0661243	20	0.9845666
ENSG00000230439	1	RP11-488P3.1	94218480	rs1980083	1	94207992	A	G	0.37674	0.0057744	0.00850483	0.497166	0.648003	0.0970027	2.39E-11	0.00891107	0.0131923	0.4993737	0.2102174	11	0.86807538
ENSG00000023909	1	GCLM	94350761	rs10874812	1	94392613	A	T	0.154076	0.0130631	0.0120047	0.276521	-0.370686	0.0653733	1.43E-08	-0.0352403	0.032976	0.2852207	0.2944419	8	0.75895423
ENSG00000143036	1	SLC44A3	95285898	rs4847361	1	95302656	T	C	0.892644	0.0158103	0.0126938	0.212942	0.608992	0.0723828	3.98E-17	0.0259614	0.0210711	0.2179169	0.3844918	4	0.71472227
ENSG00000122481	1	RWDD3	95699711	rs34266846	1	95739748	A	G	0.082505	0.012591	0.0135638	0.353261	0.746615	0.0990461	4.77E-14	0.0168641	0.0183043	0.3568833	0.7609563	20	0.81071725
ENSG00000232825	1	RP5-896L10.1	99469832	rs10783106	1	99473085	A	G	0.163022	-0.0006287	0.0099861	0.949801	0.355767	0.0644847	3.45E-08	-0.0017671	0.028071	0.9498047	0.9194998	7	0.99132464
ENSG00000162688	1	AGL	100315640	rs4908034	1	100362180	A	G	0.154076	-0.0097221	0.0107141	0.364188	-0.404461	0.06654	1.21E-09	0.0240372	0.0267834	0.3694705	0.6289948	9	0.81388426
ENSG00000122477	1	LRRC39	100614409	rs2784172	1	100650664	G	A	0.873757	-0.0049852	0.0133255	0.708326	-0.60566	0.0981818	6.88E-10	0.00823097	0.022042	0.7088348	0.228552	5	0.93547223
ENSG00000233184	1	RP11-421L21.3	101491434	rs10493942	1	101545482	A	G	0.235586	-0.0137359	0.0120357	0.253761	0.343129	0.0596145	8.62E-09	-0.0400313	0.0357592	0.2629401	0.2095518	9	0.75099662
ENSG00000240038	1	AMY2B	104096437	rs11184556	1	104125556	T	C	0.298211	0.0183674	0.00919841	0.0458469	-0.201411	0.0355437	1.46E-08	-0.0911936	0.0484224	0.05966046	0.5232315	5	0.52780415
ENSG00000085491	1	SLC25A24	108676658	rs828993	1	108739228	C	A	0.245527	0.00941908	0.00943005	0.317874	-0.542421	0.0630445	7.71E-18	-0.0173649	0.0175019	0.3211131	0.1939083	19	0.78747357
ENSG00000143107	1	FNDC7	109255279	rs4970744	1	109265642	T	C	0.605368	0.0134868	0.00843921	0.110017	0.394971	0.0704743	2.09E-08	0.0341463	0.0222183	0.1243296	0.2956633	3	0.61194908
ENSG00000179902	1	C1orf194	109648573	rs112082443	1	109660295	G	A	0.0884692	0.0509557	0.0127384	6.33E-05	-0.842932	0.0949003	6.55E-19	-0.0604505	0.0165738	0.00026495	0.4818067	7	0.13976329
ENSG00000168765	1	GSTM4	110198703	rs7515406	1	110181166	A	C	0.670974	0.0062963	0.00884394	0.476506	0.360755	0.0553759	7.29E-11	0.0174531	0.024661	0.4791189	0.7843502	6	0.85676979
ENSG00000134184	1	GSTM1	110230436	rs2479390	1	110256075	G	A	0.222664	-0.0066837	0.0105625	0.52688	-0.674756	0.116569	7.10E-09	0.00990534	0.0157471	0.5293307	0.03165837	3	0.87447889
ENSG00000134201	1	GSTM5	110254864	rs4970776	1	110271457	A	T	0.379722	0.00238489	0.00822266	0.771786	-0.759575	0.0710425	1.11E-26	-0.0031398	0.0108293	0.7718682	0.3096083	20	0.94277804
ENSG00000134202	1	GSTM3	110276554	rs11101992	1	110266754	C	A	0.23161	-0.013022	0.00967612	0.17837	0.836731	0.0696729	3.17E-33	-0.0155629	0.0116366	0.1810868	0.1401712	20	0.66258927
ENSG00000259834	1	RP11-284N8.3	111196182	rs17026200	1	111180800	G	A	0.0536779	-0.0469389	0.0222009	0.0344913	0.476485	0.0815337	5.10E-09	-0.0985108	0.0495486	0.0467934	0.4876032	4	0.49940966
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.79453	0.06357	7.61E-36	0.00587746	0.0108847	0.589213	0.4148916	20	0.90002854
ENSG00000085465	1	OVGP1	111956936	rs1264902	1	111985229	T	G	0.398608	0.00430901	0.00809543	0.594534	-0.234707	0.0383881	9.71E-10	-0.0183591	0.0346221	0.5959239	0.122807	11	0.90503798
ENSG00000260948	1	RP11-552M11.8	111973668	rs1264890	1	111968487	A	G	0.39662	0.00396495	0.00810587	0.624738	-0.540164	0.0644083	5.01E-17	-0.0073403	0.0150318	0.6253263	0.04055978	17	0.91490418
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	0.758558	0.0707593	8.18E-27	-0.0002325	0.0128984	0.9856174	0.5321255	11	0.99662399
ENSG00000273483	1	RP4-671G15.2	113060421	rs7512948	1	113081176	A	G	0.523857	-0.0048398	0.00824842	0.557368	-0.299817	0.0510704	4.34E-09	0.0161425	0.0276486	0.5593232	0.3760572	7	0.88690277
ENSG00000007341	1	ST7L	113066140	rs10776756	1	113098015	G	A	0.476143	-0.005063	0.00811578	0.532731	0.485636	0.0719381	1.47E-11	-0.0104254	0.0167829	0.5344707	0.7814302	13	0.87447889
ENSG00000116489	1	CAPZA1	113161795	rs351372	1	113059220	A	T	0.529821	0.00191933	0.0080614	0.811812	-0.203631	0.0360586	1.63E-08	-0.0094255	0.0396234	0.811976	0.1679674	7	0.95570994
ENSG00000116830	1	TTF2	117602925	rs2274253	1	117603156	T	G	0.0526839	-0.0075429	0.015564	0.627934	1.14932	0.119592	7.23E-22	-0.0065629	0.0135591	0.6283708	0.7454378	4	0.91709664
ENSG00000116874	1	WARS2	119573839	rs2645291	1	119572541	T	C	0.45328	-0.009137	0.00805614	0.256725	-0.611827	0.0652568	6.87E-21	0.014934	0.0132633	0.2601835	0.4353857	20	0.74726023
ENSG00000231365	1	RP11-418J17.1	119683019	rs12083510	1	119746620	G	T	0.276342	-0.0118867	0.0093383	0.203056	-0.83583	0.0905544	2.70E-20	0.0142214	0.0112782	0.207322	0.3594641	20	0.70128891
ENSG00000223345	1	HIST2H2BA	120906028	rs7536214	1	121147880	T	A	0.60835	-0.0082809	0.0085488	0.332713	0.681763	0.0837625	3.98E-16	-0.0121463	0.0126277	0.3361121	0.7461085	14	0.79993575
ENSG00000223804	1	RP6-206I17.1	143647638	rs71259660	1	144581564	A	C	0.206759	-0.0042204	0.00987884	0.669223	-0.573494	0.0901675	2.01E-10	0.00735907	0.0172645	0.669923	0.4860659	12	0.93003269
ENSG00000237188	1	RP11-337C18.8	146644350	rs11239951	1	146709784	T	C	0.479125	0.00434299	0.0080941	0.59157	0.430477	0.0631773	9.51E-12	0.0100888	0.0188608	0.5927145	0.9415906	20	0.90284744
ENSG00000162836	1	ACP6	147101453	rs2275552	1	147131945	C	T	0.718688	-0.0044343	0.00923196	0.631004	0.83531	0.0652195	1.49E-37	-0.0053085	0.0110599	0.6312432	0.2933947	16	0.91762424
ENSG00000234283	1	RP11-495P10.6	147744014	rs34741025	1	147749156	C	T	0.0994036	0.00581599	0.0132286	0.66019	1.0138	0.17162	3.48E-09	0.00573682	0.0130846	0.6610673	0.08895441	5	0.92866312
ENSG00000143437	1	ARNT	150782181	rs3754211	1	150951857	A	G	0.483101	-0.0045926	0.00811893	0.571618	0.28875	0.0440844	5.76E-11	-0.0159052	0.0282222	0.5730449	0.02693402	19	0.89520588
ENSG00000143376	1	SNX27	151584541	rs6702842	1	151608096	G	A	0.33002	0.0205319	0.00857738	0.0166782	0.278778	0.0454559	8.63E-10	0.0736496	0.0330283	0.02575445	0.4435102	8	0.40738371
ENSG00000178796	1	RIIAD1	151682909	rs80223568	1	151803449	T	G	0.284294	-0.0042294	0.00953028	0.657195	-0.345343	0.0565283	1.00E-09	0.012247	0.0276693	0.6580389	0.0406078	9	0.92605297
ENSG00000203288	1	RP11-98D18.9	151763280	rs11204887	1	151757587	C	T	0.354871	0.0244029	0.0083795	0.00358872	0.514196	0.078574	5.99E-11	0.0474584	0.0178371	0.00779894	0.80443	8	0.28561033
ENSG00000197747	1	S100A10	151955391	rs28415528	1	151879761	A	G	0.313121	-0.0009769	0.0090568	0.9141	-0.367	0.0568158	1.05E-10	0.00266199	0.0246814	0.9141114	0.8808541	15	0.98830215
ENSG00000237975	1	FLG-AS1	152140601	rs7545406	1	152193286	T	G	0.585487	-0.0033149	0.00836087	0.691755	-0.853828	0.0935451	7.01E-20	0.00388237	0.00980145	0.6920298	0.4270202	16	0.93344952
ENSG00000197915	1	HRNR	152184558	rs7545406	1	152193286	T	G	0.585487	-0.0033149	0.00836087	0.691755	0.667976	0.0992254	1.67E-11	-0.0049626	0.0125384	0.6922602	0.7328537	5	0.93344952
ENSG00000143631	1	FLG	152274651	rs17648141	1	152142637	T	C	0.110338	-0.015211	0.012972	0.240954	-0.870784	0.136607	1.84E-10	0.0174682	0.0151469	0.2488069	0.421714	4	0.73968148
ENSG00000163206	1	SMCP	152850793	rs12094874	1	152772183	A	G	0.356859	-0.0009151	0.00889221	0.918035	-0.624503	0.0869877	7.01E-13	0.0014653	0.0142403	0.9180437	0.7197051	9	0.98830215
ENSG00000189171	1	S100A13	153591263	rs35760493	1	153596603	A	G	0.422465	0.0130652	0.00826842	0.114076	0.316529	0.0415431	2.55E-14	0.0412765	0.026678	0.1218124	0.7161979	13	0.61194908
ENSG00000272030	1	RP1-178F15.4	153603914	rs28510471	1	153609886	G	C	0.524851	0.0106166	0.00805305	0.187394	-0.469035	0.0735663	1.82E-10	-0.022635	0.0175326	0.196696	0.5097064	15	0.69018053
ENSG00000143552	1	NUP210L	153965161	rs114697636	1	154127549	G	C	0.0337972	0.0211763	0.0163346	0.194835	1.62352	0.18872	7.78E-18	0.0130434	0.0101748	0.199866	0.6374299	13	0.69169397
ENSG00000163344	1	PMVK	154897210	rs2102423	1	154916068	G	A	0.437376	0.0237449	0.00810859	0.00340753	0.248795	0.0334474	1.02E-13	0.0954396	0.0350261	0.0064338	0.1346292	7	0.27150615
ENSG00000163354	1	DCST2	154990996	rs10908452	1	155001929	C	T	0.361829	0.00936987	0.00816775	0.251308	-0.573708	0.0656301	2.30E-18	-0.0163321	0.0143588	0.2553602	0.04898033	19	0.74148168
ENSG00000242252	1	BGLAP	156211753	rs4661036	1	156233479	C	T	0.199801	-0.0037296	0.0122134	0.760088	-0.310595	0.0530792	4.87E-09	0.0120078	0.0393761	0.7604039	0.386021	4	0.94139208
ENSG00000163382	1	APOA1BP	156561554	rs12023410	1	156572658	C	T	0.243539	0.0213207	0.00963311	0.0268788	-0.537084	0.0683711	3.98E-15	-0.0396971	0.0186343	0.03314432	0.7253015	17	0.44352334
ENSG00000158714	1	SLAMF8	159796540	rs4073419	1	159804091	G	A	0.177932	0.0262581	0.0117359	0.0252598	-0.478025	0.0737979	9.33E-11	-0.0549304	0.0259741	0.03444607	0.4776318	7	0.45050335
ENSG00000188004	1	C1orf204	159804264	rs2501312	1	159808286	A	G	0.28827	0.0146377	0.00955824	0.125665	0.60105	0.0740595	4.83E-16	0.0243535	0.0161832	0.1323588	0.1328748	8	0.61757097
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.945027	0.0574463	8.30E-61	0.0137419	0.00884528	0.1202824	0.4473413	15	0.61106548
ENSG00000085552	1	IGSF9	159896829	rs2820565	1	159935569	T	C	0.923459	-0.0269407	0.0167192	0.107101	-0.645222	0.0960184	1.82E-11	0.0417542	0.0266469	0.1171282	0.1493105	7	0.60772255
ENSG00000122218	1	COPA	160259063	rs1886421	1	160309450	C	G	0.511928	0.00032609	0.00806752	0.967758	0.23965	0.036425	4.73E-11	0.00136071	0.0336644	0.9677585	0.3645632	9	0.99373886
ENSG00000158769	1	F11R	160965001	rs7546890	1	160995392	T	C	0.498012	0.0075793	0.00810398	0.349656	-0.285233	0.048546	4.22E-09	-0.0265723	0.0287695	0.3556798	0.6790797	9	0.81071725
ENSG00000215845	1	TSTD1	161007421	rs10908821	1	161008535	G	C	0.130219	-0.0026172	0.0115838	0.821251	0.462607	0.0559359	1.34E-16	-0.0056575	0.0250496	0.8213166	0.5219321	20	0.95876638
ENSG00000143224	1	PPOX	161136200	rs76617482	1	161126705	G	A	0.0626243	-0.0095506	0.0177333	0.590185	-0.612912	0.0925032	3.45E-11	0.0155823	0.0290283	0.5914077	0.1549648	10	0.90251455
ENSG00000158864	1	NDUFS2	161166894	rs1136224	1	161184097	G	A	0.152087	-0.0033531	0.0103444	0.745827	0.323054	0.0521847	5.99E-10	-0.0103793	0.0320645	0.7461637	0.06194465	3	0.93687539
ENSG00000158887	1	MPZ	161274525	rs7551761	1	161278562	G	C	0.327038	0.0144576	0.00965877	0.134435	0.47346	0.082423	9.23E-09	0.0305361	0.0210816	0.1474863	0.05461318	4	0.64208272
ENSG00000143252	1	SDHC	161284047	rs58055613	1	161331505	C	T	0.0497018	0.0295705	0.0139689	0.0342705	-0.460134	0.0737671	4.44E-10	-0.064265	0.0320589	0.04500699	0.6771039	10	0.49468642
ENSG00000162746	1	FCRLB	161691353	rs1875763	1	161696998	G	C	0.523857	-0.0116051	0.00810556	0.152216	0.537527	0.0727967	1.54E-13	-0.0215898	0.0153602	0.1598528	0.6941576	5	0.65108594
ENSG00000132196	1	HSD17B7	162760492	rs74116796	1	162776741	G	A	0.0238569	0.046851	0.0562564	0.404951	0.902432	0.163004	3.09E-08	0.0519164	0.06304	0.4101975	0.9878624	4	0.83922113
ENSG00000185860	1	C1orf110	162794248	rs12090563	1	162831391	A	G	0.188867	0.0344552	0.0107537	0.00135522	0.699194	0.0914462	2.07E-14	0.0492785	0.0166759	0.00312606	0.8005273	13	0.23009226
ENSG00000232995	1	RP11-267N12.3	163214295	rs11810220	1	163281090	T	C	0.183897	-0.002357	0.00933151	0.800591	-0.629823	0.0999055	2.90E-10	0.00374227	0.014828	0.8007479	0.6671853	6	0.9495568
ENSG00000225171	1	DUTP6	166837985	rs12117020	1	166824580	C	T	0.420477	-4.10E-05	0.00814021	0.995981	0.597813	0.0837854	9.68E-13	-6.86E-05	0.0136167	0.9959814	0.559322	11	0.99803567
ENSG00000143194	1	MAEL	166958346	rs7551881	1	166955312	T	G	0.32505	-0.0066086	0.00853796	0.438916	-0.818628	0.0800779	1.57E-24	0.00807276	0.0104594	0.4402238	0.5657738	20	0.85502448
ENSG00000143162	1	CREG1	167498914	rs11810854	1	167531589	G	A	0.105368	-0.012237	0.013285	0.356989	-0.544989	0.0756372	5.79E-13	0.0224537	0.024575	0.3608859	0.511979	3	0.81243949
ENSG00000143199	1	ADCY10	167778625	rs12084187	1	167980514	C	T	0.109344	0.010809	0.0111811	0.333686	0.655499	0.109765	2.35E-09	0.0164897	0.0172794	0.3399329	0.3348445	8	0.80290122
ENSG00000143158	1	MPC2	167885967	rs202272	1	167922853	T	C	0.122266	0.0111219	0.0110634	0.31476	-0.301736	0.0545458	3.17E-08	-0.0368597	0.0372664	0.3226202	0.8778542	3	0.78881178
ENSG00000143156	1	NME7	169101769	rs4529780	1	169305468	G	A	0.585487	-0.0049179	0.0081529	0.546368	0.381316	0.0476543	1.23E-15	-0.0128972	0.0214416	0.5475041	0.00179456	20	0.88275623
ENSG00000188404	1	SELL	169659808	rs17523783	1	169602241	T	G	0.253479	0.0158819	0.00988518	0.108133	-0.317147	0.0557592	1.29E-08	-0.0500774	0.0323887	0.1220712	0.3526924	7	0.61194908
ENSG00000171806	1	METTL18	169761670	rs12143057	1	169844093	C	T	0.0964215	-0.0202841	0.0159839	0.204429	-0.782983	0.108505	5.35E-13	0.0259062	0.0207274	0.2113533	0.7311857	7	0.70128891
ENSG00000120370	1	GORAB	170501270	rs4397704	1	170382247	T	C	0.135189	0.013184	0.0136862	0.335393	-0.581646	0.0996472	5.31E-09	-0.0226667	0.0238484	0.3418837	0.3393648	7	0.80630545
ENSG00000271811	1	RP1-79C4.4	170636522	rs659580	1	170633896	C	T	0.78827	0.0157947	0.00922197	0.0867641	0.565362	0.0879802	1.31E-10	0.0279373	0.0168811	0.09793441	0.8102814	12	0.59734669
ENSG00000135845	1	PIGC	172339329	rs9425598	1	172371922	G	A	0.617296	-0.0067704	0.0083059	0.414998	-0.343762	0.0605671	1.38E-08	0.019695	0.0244097	0.4197519	0.06699817	8	0.84943399
ENSG00000162753	1	SLC9C2	173469603	rs12561796	1	173633528	T	C	0.120278	0.0196819	0.0128779	0.126426	0.603454	0.0928703	8.15E-11	0.0326154	0.0219227	0.1368175	0.9010473	13	0.62098749
ENSG00000183831	1	ANKRD45	173578700	rs1890881	1	174176923	C	T	0.10835	0.0256738	0.0146103	0.0788769	-0.32874	0.0576983	1.22E-08	-0.0780976	0.0465091	0.09311512	0.9042716	7	0.58407271
ENSG00000117601	1	SERPINC1	173872947	rs10912849	1	174885927	G	A	0.111332	0.017622	0.0133601	0.187171	0.920853	0.148579	5.73E-10	0.0191366	0.0148333	0.1970127	0.5432305	12	0.69037633
ENSG00000242193	1	RP11-568K15.1	177975271	rs1970266	1	177988490	T	C	0.38668	0.0022776	0.0082959	0.783666	-0.303476	0.0474993	1.67E-10	-0.007505	0.0273615	0.7838601	0.3458844	10	0.94647669
ENSG00000116199	1	FAM20B	178994939	rs6699886	1	178988849	G	A	0.464215	-0.0076046	0.00806124	0.345501	0.200744	0.0351781	1.15E-08	-0.037882	0.0407018	0.3519986	0.1166342	16	0.81071725
ENSG00000143322	1	ABL2	179068462	rs411266	1	179224861	G	A	0.385686	0.00075647	0.00848704	0.928977	0.285537	0.0361662	2.90E-15	0.00264929	0.029725	0.9289812	0.01833097	20	0.99131001
ENSG00000057252	1	SOAT1	179262925	rs6685245	1	179288374	T	A	0.534791	0.0135	0.00807998	0.0947611	-0.315639	0.050671	4.69E-10	-0.0427704	0.0265036	0.1065805	0.01499556	7	0.59966108
ENSG00000162779	1	AXDND1	179334855	rs16854003	1	179336996	A	G	0.599404	-0.0112872	0.00807227	0.162033	0.458608	0.0797637	8.95E-09	-0.0246119	0.0181147	0.1742521	0.4417861	4	0.65919056
ENSG00000135835	1	KIAA1614	180882290	rs1411478	1	180962282	G	A	0.569583	0.0153279	0.00846962	0.0703348	-0.313391	0.0568976	3.63E-08	-0.0489098	0.0284472	0.08555579	0.7010166	3	0.57027956
ENSG00000198756	1	COLGALT2	183898796	rs7539021	1	183935831	G	A	0.604374	0.00067192	0.00818955	0.934611	0.389427	0.0459523	2.36E-17	0.0017254	0.0210307	0.9346136	0.8856007	6	0.99132464
ENSG00000198860	1	TSEN15	184020811	rs2274432	1	184020945	A	G	0.327038	0.00120356	0.00819015	0.88317	0.321576	0.0553498	6.25E-09	0.00374269	0.0254769	0.8832069	0.1684061	8	0.98128259
ENSG00000273198	1	GS1-304P7.3	186490905	rs12093901	1	186469920	A	G	0.235586	0.00364621	0.0096929	0.706788	-0.56422	0.0845698	2.53E-11	-0.0064624	0.0172066	0.7072316	0.6527136	14	0.93460877
ENSG00000118197	1	DDX59	200593024	rs35249716	1	200625043	G	C	0.426441	0.0223348	0.00806788	0.00563378	-0.412286	0.0563437	2.53E-13	-0.0541731	0.0209223	0.00961846	0.6976587	8	0.30378948
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.927732	0.0667242	5.99E-44	0.0208588	0.00882267	0.01806763	0.2867512	20	0.34868323
ENSG00000174307	1	PHLDA3	201434620	rs12758212	1	201449762	G	A	0.633201	0.018187	0.0082338	0.0271869	-0.361522	0.0450829	1.07E-15	-0.0503068	0.0236236	0.0332117	0.1987526	15	0.44352334
ENSG00000198892	1	SHISA4	201857808	rs10920265	1	201822955	T	C	0.206759	-0.0148616	0.00946628	0.116426	-0.322065	0.052208	6.88E-10	0.0461447	0.0303294	0.128146	0.3532083	8	0.61757097
ENSG00000214796	1	RP11-480I12.5	202820956	rs6663182	1	202827191	A	G	0.39662	0.00750645	0.00813301	0.356028	-0.419916	0.0731928	9.63E-09	-0.0178761	0.0196172	0.3621667	0.2987181	4	0.81243949
ENSG00000182004	1	SNRPE	203830731	rs112965377	1	203826881	A	T	0.126243	0.0151091	0.0102217	0.139372	0.475226	0.0685665	4.18E-12	0.0317935	0.0219929	0.1482813	0.8347296	11	0.64210759
ENSG00000174529	1	TMEM81	205052258	rs7515178	1	205084120	A	G	0.474155	-0.0087438	0.00806685	0.278404	-0.30216	0.0513187	3.91E-09	0.0289375	0.0271459	0.2864242	0.1217681	17	0.75987644
ENSG00000117222	1	RBBP5	205055270	rs7553876	1	205079915	G	A	0.474155	-0.0088583	0.00806748	0.272196	-0.298016	0.0420004	1.29E-12	0.0297241	0.0273928	0.2778756	0.04736317	19	0.75436188
ENSG00000133059	1	DSTYK	205111632	rs113699533	1	205122895	A	G	0.426441	0.00065486	0.00816367	0.936065	0.273145	0.0381973	8.62E-13	0.00239749	0.0298896	0.9360689	0.06883899	20	0.99132464
ENSG00000133069	1	TMCC2	205197304	rs1172129	1	205244972	A	T	0.369781	0.00706545	0.00813249	0.38496	-0.226956	0.0396587	1.05E-08	-0.0311314	0.0362435	0.3903676	0.6320457	5	0.82705257
ENSG00000162873	1	KLHDC8A	205305220	rs6680318	1	205338060	T	C	0.474155	0.0149648	0.00807486	0.0638455	0.284097	0.0456855	5.02E-10	0.052675	0.0296583	0.07572245	0.07273394	9	0.54873624
ENSG00000117280	1	RAB7L1	205737114	rs823118	1	205723572	T	C	0.534791	0.0126965	0.0081637	0.119889	0.230347	0.0395146	5.56E-09	0.055119	0.0366805	0.1329218	0.7344636	9	0.61757097
ENSG00000162877	1	PM20D1	205797150	rs9438393	1	205782718	G	A	0.394632	0.0119225	0.00809409	0.140753	-0.745129	0.103184	5.15E-13	-0.0160006	0.0110863	0.1489445	0.07852923	8	0.64224706
ENSG00000261000	1	RP11-534L20.5	206677281	rs3849271	1	206676383	A	C	0.497018	0.0103448	0.00821777	0.20809	0.665917	0.0768169	4.36E-18	0.0155347	0.01247	0.21285	0.4478943	12	0.70128891
ENSG00000117335	1	CD46	207925402	rs2724384	1	207930203	A	G	0.797217	-0.0065938	0.00972839	0.497906	0.46636	0.0492868	3.02E-21	-0.0141389	0.0209137	0.4990043	0.2023511	20	0.86807538
ENSG00000203706	1	SERTAD4-AS1	210404801	rs654523	1	210413739	T	C	0.431412	-0.0138844	0.00811216	0.0869781	0.526698	0.0616546	1.31E-17	-0.0263612	0.015708	0.09330748	0.4525808	19	0.58407271
ENSG00000153363	1	LINC00467	211556145	rs41303051	1	211556131	G	C	0.0387674	0.00631908	0.0182273	0.72883	-0.800564	0.113271	1.58E-12	-0.0078933	0.0227954	0.7291429	0.8350938	7	0.93605801
ENSG00000236809	1	SNX25P1	211590367	rs11576833	1	211597077	T	C	0.205765	-0.0036497	0.0110767	0.741787	0.760886	0.115813	5.03E-11	-0.0047966	0.0145759	0.7420987	0.4700169	9	0.93605801
ENSG00000226251	1	RP11-15I11.3	212398620	rs6661987	1	212457237	C	T	0.199801	-0.0001767	0.010445	0.9865	1.06678	0.0946277	1.77E-29	-0.0001657	0.00979116	0.9865002	0.6137578	20	0.99662399
ENSG00000123685	1	BATF3	212859760	rs3754482	1	212873557	C	G	0.124254	-0.0059179	0.0137322	0.666506	0.769182	0.0733491	9.96E-26	-0.0076937	0.0178681	0.6667702	0.4746924	20	0.93003269
ENSG00000198468	1	FLVCR1-AS1	213025450	rs2279692	1	213030534	T	C	0.526839	0.00210416	0.00819708	0.797414	1.16105	0.0778799	2.91E-50	0.00181229	0.0070611	0.7974426	0.5898519	20	0.94842062
ENSG00000162769	1	FLVCR1	213031597	rs12036853	1	213078181	T	A	0.249503	0.00227949	0.010291	0.824701	0.437768	0.064055	8.24E-12	0.00520707	0.0235202	0.8247911	0.6397299	14	0.95947138
ENSG00000143494	1	VASH2	213123862	rs12568153	1	213151580	G	T	0.743539	0.00601362	0.00871317	0.490083	-0.257058	0.0465417	3.33E-08	-0.023394	0.0341594	0.4934388	0.8689637	20	0.86532344
ENSG00000067533	1	RRP15	218458629	rs3753592	1	218458058	C	T	0.412525	0.0127666	0.00806214	0.113302	0.636138	0.0677525	6.05E-21	0.0200689	0.0128526	0.1184122	0.07110708	7	0.61071871
ENSG00000162817	1	C1orf115	220863187	rs6669951	1	220875918	G	C	0.027833	-0.0134598	0.0223661	0.547312	-0.77428	0.0908012	1.50E-17	0.0173836	0.0289582	0.5483053	0.924742	19	0.88314823
ENSG00000272823	1	RP11-295M18.6	221002018	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.604378	0.0858218	1.89E-12	-0.0091513	0.0141802	0.5186966	0.4678166	9	0.87041275
ENSG00000238078	1	RP11-295M18.2	221002597	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.52867	0.089465	3.44E-09	-0.0104618	0.0162395	0.5194327	0.7140464	6	0.87041275
ENSG00000225265	1	RP11-378J18.3	222763167	rs2936040	1	222763661	A	T	0.137177	-0.0175469	0.010658	0.0996896	-0.679331	0.109549	5.61E-10	0.0258297	0.0162325	0.1115569	0.1404992	3	0.60355143
ENSG00000272750	1	RP11-378J18.8	222832209	rs2133189	1	222814442	T	C	0.737575	0.00361117	0.0091892	0.694335	-0.943761	0.0801327	5.10E-32	-0.0038264	0.00974221	0.6944958	0.317448	20	0.93344952
ENSG00000162819	1	BROX	222885895	rs112043396	1	222917729	A	G	0.0258449	-0.0127044	0.0231834	0.583695	0.657296	0.107196	8.69E-10	-0.0193283	0.0354114	0.5851896	0.7606912	8	0.89791817
ENSG00000203697	1	CAPN8	223711349	rs12132879	1	223900795	T	C	0.0924453	0.00611804	0.0207217	0.767805	1.27478	0.145951	2.45E-18	0.00479929	0.0162644	0.7679332	0.8679805	20	0.94219749
ENSG00000272645	1	RP11-504P24.8	224139096	rs9699672	1	224119289	A	G	0.413519	-0.0114515	0.00817586	0.161318	-0.359305	0.0437066	2.02E-16	0.0318713	0.0230826	0.1673557	0.1661463	18	0.65635786
ENSG00000143768	1	LEFTY2	226124298	rs74578461	1	226127443	C	G	0.345924	-0.0096473	0.00878519	0.272149	-0.445026	0.0775865	9.70E-09	0.021678	0.0200994	0.280793	0.2716784	4	0.75586089
ENSG00000163041	1	H3F3A	226249552	rs6692329	1	226278185	A	G	0.718688	-0.0073238	0.00897563	0.414519	-0.614024	0.061054	8.55E-24	0.0119276	0.0146658	0.4160491	0.2621303	20	0.84518318
ENSG00000143774	1	GUK1	228327663	rs10495279	1	228371551	A	G	0.0347913	0.0388048	0.0164577	0.0183815	-0.611232	0.0985223	5.50E-10	-0.0634862	0.0288045	0.02752146	0.3797826	4	0.40738371
ENSG00000154358	1	OBSCN	228395831	rs491293	1	228451078	G	A	0.359841	-0.002411	0.00842231	0.774679	-0.199851	0.0336309	2.81E-09	0.0120638	0.0421918	0.774933	0.05273055	9	0.94408015
ENSG00000135744	1	AGT	230838269	rs10864768	1	230825447	C	T	0.210736	-0.0026523	0.00911636	0.771095	-0.449891	0.0573341	4.27E-15	0.00589552	0.0202774	0.7712478	0.1818997	16	0.94267496
ENSG00000135773	1	CAPN9	230883130	rs1887209	1	230889376	A	G	0.26839	0.00038801	0.0106596	0.970964	-0.488093	0.059894	3.66E-16	-0.0007949	0.0218395	0.970964	0.9722004	20	0.99538912
ENSG00000182118	1	FAM89A	231154704	rs4310430	1	231172881	G	T	0.316103	-0.0017052	0.00892144	0.848421	0.616687	0.0685587	2.36E-19	-0.0027651	0.01447	0.8484544	0.0463394	16	0.96851134
ENSG00000135778	1	NTPCR	233086351	rs12725558	1	233091463	A	T	0.16004	0.00406713	0.0107642	0.705552	0.829292	0.0726272	3.38E-30	0.00490434	0.0129871	0.7057041	0.5141992	13	0.93460877
ENSG00000143674	1	MLK4	233463514	rs1402814	1	233523922	G	A	0.171968	-0.0051394	0.0117576	0.662032	0.44831	0.059874	7.02E-14	-0.0114639	0.0262711	0.6625701	0.4298618	6	0.92986213
ENSG00000224939	1	LINC00184	234765057	rs6672410	1	234767912	T	G	0.276342	-0.0063021	0.00925294	0.495818	0.844766	0.0998359	2.64E-17	-0.0074601	0.0109887	0.4972072	0.0383346	11	0.86614223
ENSG00000086619	1	ERO1LB	236378855	rs12089898	1	236376878	G	A	0.136183	0.00514031	0.0108338	0.635166	-0.550998	0.0826419	2.61E-11	-0.0093291	0.0197119	0.6360185	0.06636062	7	0.91877957
ENSG00000230325	1	RP11-385F5.4	236703394	rs2115741	1	236761798	G	C	0.706759	0.0218957	0.00923662	0.0177623	0.623414	0.0869928	7.71E-13	0.0351222	0.0156058	0.02441119	0.553079	20	0.40451003
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.04797	0.0744423	5.21E-45	0.0062113	0.00790633	0.4320949	0.6911083	20	0.85502448
ENSG00000224525	1	RP11-561I11.3	242366857	rs1836766	1	242315638	G	T	0.408549	0.00612751	0.00827308	0.458902	0.655067	0.0674538	2.70E-22	0.00935402	0.012666	0.4602036	0.707736	20	0.85502448
ENSG00000253326	1	RP11-261C10.7	243218163	rs12026915	1	243176180	C	T	0.125249	0.0164183	0.0105586	0.119952	-0.818059	0.125674	7.55E-11	-0.0200698	0.01327	0.1304283	0.8649839	20	0.61757097
ENSG00000272195	1	RP11-156E8.1	245132652	rs2291426	1	245134114	C	A	0.582505	0.0265544	0.0086617	0.0021714	1.06786	0.0713189	1.10E-50	0.0248669	0.00827955	0.00266966	0.08463165	20	0.21928175
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.820008	0.0559111	1.06E-48	-0.0139101	0.0099289	0.1612227	0.00169488	20	0.65108594
ENSG00000260855	1	RP11-439E19.10	246935603	rs6680122	1	246954297	A	G	0.564612	0.00584942	0.0081381	0.472284	0.330071	0.0590136	2.23E-08	0.0177217	0.0248584	0.4759032	0.7748709	15	0.85676979
ENSG00000227953	1	RP11-439E19.3	246939315	rs6682907	1	246952424	A	C	0.191849	-0.0166016	0.0104266	0.11133	0.327602	0.057215	1.03E-08	-0.0506761	0.0330347	0.1250229	0.05912088	5	0.61194908
ENSG00000221953	1	C1orf229	247273462	rs6696117	1	247273748	T	C	0.364811	0.00668193	0.00866841	0.440803	-0.460487	0.0602902	2.21E-14	-0.0145106	0.0189201	0.4431167	0.6825572	20	0.85502448
ENSG00000196418	1	ZNF124	247285277	rs12058648	1	247286645	C	T	0.281312	0.0102336	0.00936415	0.27446	-0.791898	0.0792278	1.60E-23	-0.0129229	0.0118954	0.2773134	0.939038	20	0.75436188
ENSG00000259865	1	RP11-488L18.10	247350583	rs1115202	1	247353180	G	A	0.182903	0.00087103	0.0107543	0.935447	0.373715	0.0634612	3.89E-09	0.00233074	0.0287795	0.9354529	0.1653001	9	0.99132464
ENSG00000162714	1	ZNF496	247460714	rs10924983	1	247484614	C	A	0.664016	0.00978628	0.00828753	0.237665	-0.450837	0.067202	1.96E-11	-0.0217069	0.0186651	0.2448434	0.2682006	6	0.7345302
ENSG00000226191	1	RP11-438H8.8	248099363	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.491485	0.0831286	3.37E-09	-0.0082252	0.0173801	0.6360335	0.1611508	9	0.91877957
ENSG00000196071	1	OR2L13	248100493	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.649133	0.0852051	2.57E-14	-0.0062276	0.0131424	0.6356026	0.2263693	12	0.91877957
ENSG00000233296	2	AC092159.2	677186	rs73153267	2	676782	A	C	0.0984095	0.00395949	0.0125693	0.752752	1.35958	0.144066	3.83E-21	0.00291229	0.00925014	0.7528851	0.9809478	13	0.93884925
ENSG00000237667	2	AC113607.1	779837	rs6760626	2	868162	C	A	0.455268	-0.0034471	0.00818039	0.673473	0.652497	0.0963057	1.24E-11	-0.005283	0.0125613	0.6740659	0.1675343	6	0.93020759
ENSG00000130508	2	PXDN	1635659	rs6757166	2	1821294	G	A	0.206759	0.0114717	0.0106344	0.280704	-0.418776	0.0656347	1.77E-10	-0.0273934	0.0257544	0.2874917	0.9188232	8	0.76026288
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs4535075	2	3481716	C	T	0.418489	-0.0079415	0.00821629	0.333767	-0.435299	0.0565342	1.36E-14	0.0182437	0.0190232	0.3375454	0.9921447	20	0.79993575
ENSG00000182551	2	ADI1	3501132	rs55980070	2	3514866	T	C	0.166004	-0.0062193	0.00961507	0.517745	-0.41299	0.0590832	2.75E-12	0.0150591	0.0233811	0.5195277	0.5465437	9	0.87041275
ENSG00000234171	2	AC108488.3	3606082	rs35489637	2	3616123	A	C	0.293241	0.0100648	0.00842147	0.232034	-1.00577	0.0608914	2.75E-61	-0.0100071	0.00839505	0.2332536	0.5152141	16	0.7286292
ENSG00000118004	2	COLEC11	3642426	rs11123637	2	3654190	C	T	0.644135	-0.0065833	0.00898982	0.463982	-0.951963	0.0981091	2.92E-22	0.0069155	0.00947031	0.46525	0.6674359	16	0.85502448
ENSG00000151360	2	ALLC	3705785	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.32582	0.125724	5.33E-26	-0.0089058	0.00990904	0.3687825	0.3968666	9	0.8138073

ENSG00000205837	2	LINC00487	6868309	rs6712193	2	6942043	A	G	0.371769	0.0101734	0.0087485	0.244883	0.40405	0.0730646	3.20E-08	0.0251786	0.0221256	0.2551265	0.7772847	4	0.74148168
ENSG00000271947	2	RP11-439M11.1	7045855	rs11676629	2	7113115	G	C	0.369781	-0.0040176	0.00842528	0.63347	-0.375757	0.0499795	5.55E-14	0.010692	0.0224672	0.6341513	0.1927499	17	0.91773611
ENSG00000228203	2	RNF144A-AS1	7052408	rs881937	2	7111234	T	A	0.371769	-0.0040797	0.00842567	0.628245	-0.395793	0.0392517	6.54E-24	0.0103076	0.0213126	0.6286411	0.1124964	18	0.91709664
ENSG00000272002	2	RP11-557L19.1	7401002	rs1016515	2	7372224	G	A	0.564612	0.0031334	0.00805628	0.697321	0.419743	0.0490995	1.24E-17	0.00746504	0.0192132	0.6976187	0.6462672	14	0.93344952
ENSG00000115761	2	NOL10	10710892	rs55974540	2	10835999	A	G	0.319085	0.00044722	0.00863223	0.958682	0.475989	0.0578872	1.99E-16	0.00093955	0.0181357	0.9586827	0.9437738	20	0.99132464
ENSG00000271952	2	RP11-245G13.2	11018395	rs62120316	2	10986130	G	C	0.423459	0.0122994	0.00847345	0.146636	0.562436	0.066304	2.20E-17	0.0218681	0.0152846	0.1525085	0.7298712	5	0.64465192
ENSG00000162976	2	PQLC3	11295324	rs7598570	2	11295867	C	G	0.649105	0.00247651	0.00823361	0.763583	-0.289502	0.047923	1.53E-09	-0.0085544	0.0284758	0.7638656	0.2936947	4	0.9414465
ENSG00000196208	2	GREB1	11674242	rs6724078	2	11724159	G	A	0.138171	-0.00752	0.0124317	0.54524	0.655429	0.098703	3.13E-11	-0.0114734	0.0190458	0.5469012	0.05735526	5	0.88268348
ENSG00000169006	2	NTSR2	11798304	rs11687297	2	11811542	G	A	0.34493	0.00471677	0.00845728	0.577037	0.218553	0.0382679	1.12E-08	0.0215818	0.0388808	0.5788422	0.3643642	3	0.89657238
ENSG00000134324	2	LPIN1	11817721	rs3795974	2	11924950	C	T	0.596421	0.0121625	0.00833667	0.144589	0.409469	0.0555948	1.77E-13	0.0297031	0.0207553	0.1523986	0.2455767	6	0.64465192
ENSG00000163032	2	VSNL1	17720393	rs12710642	2	17494738	C	T	0.516899	0.0235527	0.00814752	0.00384291	0.230343	0.0371258	5.49E-10	0.102251	0.0390221	0.00878467	0.6797509	6	0.29864866
ENSG00000178295	2	GEN1	17935125	rs11892418	2	17969345	T	C	0.112326	-0.0017505	0.0144529	0.903597	0.502187	0.0829754	1.43E-09	-0.0034858	0.0287857	0.903616	0.4320711	20	0.9879812
ENSG00000183891	2	TTC32	20096404	rs60084614	2	20101229	A	C	0.109344	-0.0305741	0.0150852	0.0426874	1.00589	0.100121	9.49E-24	-0.0303951	0.015299	0.04695141	0.8933131	7	0.49940966
ENSG00000118961	2	C2orf43	20883788	rs10182643	2	20884586	C	G	0.246521	0.00474416	0.00930063	0.609988	-0.705728	0.0644764	6.98E-28	-0.0067224	0.0131931	0.6103758	0.4262333	19	0.91209617
ENSG00000219626	2	FAM228B	24299396	rs12713210	2	24351009	C	T	0.138171	0.032876	0.010158	0.00121018	-0.586371	0.0914173	1.42E-10	-0.0560669	0.0194038	0.00385888	0.09431641	7	0.2393289
ENSG00000232642	2	AC008073.7	24388753	rs72793980	2	24428859	C	T	0.303181	-0.0238523	0.00947743	0.0118446	0.710598	0.0948749	6.90E-14	-0.0335665	0.0140701	0.01704824	0.06545099	20	0.34868323
ENSG00000138029	2	HADHB	26466038	rs6745226	2	26493597	A	C	0.918489	0.020509	0.017124	0.231044	-0.466383	0.0657702	1.33E-12	-0.0439746	0.0372366	0.2376226	0.711484	14	0.73301708
ENSG00000171103	2	TRMT61B	29072687	rs4665436	2	29090227	C	T	0.411531	-0.0121533	0.00815225	0.136015	0.326257	0.0500943	7.37E-11	-0.0372507	0.0256335	0.1461664	0.8220285	13	0.63821985
ENSG00000189350	2	FAM179A	29179477	rs74175081	2	29180123	A	G	0.208748	-0.0120832	0.0122227	0.322867	0.671271	0.0740646	1.27E-19	-0.0180005	0.0183163	0.3257266	0.7537554	20	0.78892126
ENSG00000179270	2	C2orf71	29283842	rs12620307	2	29288109	G	A	0.254473	-0.0039887	0.0114309	0.727137	-0.675442	0.079261	1.57E-17	0.00590524	0.0169378	0.7273569	0.4917304	9	0.93605801
ENSG00000018699	2	TTC27	32853099	rs111896629	2	32903548	A	G	0.120278	0.00637116	0.0138566	0.645666	-0.649741	0.0939436	4.64E-12	-0.0098057	0.0213734	0.6463923	0.1766412	15	0.92320922
ENSG00000218739	2	AC007390.5	37423631	rs2465488	2	37425103	A	G	0.697813	0.00298033	0.008739	0.733076	-0.445103	0.0614172	4.25E-13	-0.0066958	0.0196554	0.7333589	0.7075496	20	0.93605801
ENSG00000115825	2	PRKD3	37477645	rs2058716	2	37510013	C	G	0.710736	-0.000467	0.00912502	0.959185	-0.211572	0.0335472	2.85E-10	0.00220722	0.043131	0.9591862	0.6129715	20	0.99132464
ENSG00000162881	2	OXER1	42989642	rs3772063	2	43017095	G	A	0.759443	0.00658707	0.00905827	0.467111	0.427658	0.064758	4.00E-11	0.0154027	0.0213091	0.4697907	0.57084	20	0.85502448
ENSG00000162882	2	HAAO	42994229	rs893735	2	42992023	C	T	0.619284	-0.0036315	0.00835584	0.663849	0.483996	0.0555312	2.89E-18	-0.0075032	0.0172857	0.6642399	0.7753157	20	0.93003269
ENSG00000152527	2	PLEKHH2	43864412	rs975975	2	43940532	T	G	0.208748	0.00206287	0.00950366	0.828161	-0.486986	0.0721162	1.45E-11	-0.004236	0.0195253	0.8282485	0.6974863	5	0.96118184
ENSG00000138036	2	DYNC2LI1	44001178	rs75684735	2	44001185	T	C	0.0248509	0.0194746	0.0291445	0.504001	-1.29705	0.205626	2.83E-10	-0.0150145	0.0225956	0.5063765	0.3066461	14	0.87041275
ENSG00000138095	2	LRPPRC	44113647	rs4953034	2	44143216	A	T	0.405567	-0.0062008	0.00818081	0.448469	0.284699	0.0288945	6.65E-23	-0.0217803	0.0288198	0.449806	0.6671022	20	0.85502448
ENSG00000225156	2	AC012354.6	45181803	rs62131236	2	45171546	T	C	0.215706	0.0205026	0.00933127	0.0280072	-0.427661	0.0610635	2.50E-12	-0.0479412	0.0228679	0.03604284	0.2970426	17	0.45477223
ENSG00000250565	2	ATP6V1E2	46717889	rs3754553	2	46769135	C	T	0.477137	-0.0072811	0.00805789	0.366206	-0.603732	0.0698283	5.34E-18	0.0120602	0.0134195	0.3688077	0.3309316	14	0.8138073
ENSG00000119878	2	CRIPT	46843555	rs2346419	2	46845069	C	G	0.309145	0.00559672	0.00886618	0.527881	0.464027	0.0581003	1.39E-15	0.0120612	0.0191666	0.529165	0.8823817	20	0.87447889
ENSG00000180398	2	MCFD2	47129009	rs6716381	2	47148163	A	G	0.181909	-0.0184544	0.011842	0.119143	-0.537674	0.0477557	2.09E-29	0.0343227	0.0222345	0.1226687	0.783571	20	0.61194908
ENSG00000234690	2	AC073283.4	47419544	rs4380295	2	47572160	A	G	0.0576541	-0.04455	0.0168714	0.00827675	1.43785	0.185615	9.45E-15	-0.0309838	0.0123967	0.01244228	0.7134524	3	0.33092283
ENSG00000119888	2	EPCAM	47572297	rs112628241	2	47591769	G	C	0.0775348	-0.0021025	0.0134413	0.875704	0.549763	0.092808	3.15E-09	-0.0038243	0.0244578	0.875746	0.739411	5	0.97768469
ENSG00000170802	2	FOXN2	48541776	rs79073127	2	48573895	C	G	0.12326	-0.0080756	0.0148553	0.586703	0.529892	0.0559376	2.72E-21	-0.0152401	0.0280807	0.5873181	0.3443079	20	0.89904595
ENSG00000243244	2	STON1	48756522	rs4953592	2	48776217	G	A	0.136183	-0.0044558	0.0100169	0.656446	0.732045	0.0888851	1.78E-16	-0.0060867	0.0137034	0.656914	0.6994812	17	0.92532717
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.630278	0.0858074	2.05E-13	-0.0043734	0.013266	0.7416492	0.1356088	5	0.93605801
ENSG00000233266	2	HMGB1P31	54278471	rs4671747	2	54229818	T	C	0.430417	-0.0111611	0.00808938	0.167671	0.692893	0.0997126	3.68E-12	-0.016108	0.0119027	0.1759583	0.1167768	20	0.65919056
ENSG00000162994	2	CLHC1	55401927	rs79969442	2	55424229	A	G	0.112326	-0.0152497	0.0149347	0.30721	0.790574	0.089134	7.35E-19	-0.0192894	0.0190157	0.3103958	0.6710996	20	0.77692725
ENSG00000162997	2	PRORSD1P	55509455	rs144230251	2	55602900	C	G	0.0337972	0.00205754	0.0284021	0.942249	1.1527	0.183544	3.38E-10	0.00178497	0.0246413	0.942253	0.7685972	13	0.99132464
ENSG00000115380	2	EFEMP1	56093102	rs4258837	2	56179284	A	G	0.45825	0.0235647	0.00807948	0.00353851	0.282086	0.0467169	1.56E-09	0.0835373	0.0318082	0.00863229	0.6614598	8	0.29864866
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.480684	0.0407227	3.73E-32	-0.0088883	0.0168519	0.5978903	0.03591283	20	0.9057382
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.828832	0.0578843	1.67E-46	0.0101049	0.0100311	0.3137637	0.2002157	20	0.78132345
ENSG00000270820	2	RP11-355B11.2	61698323	rs80119091	2	61091972	C	G	0.0109344	0.111436	0.0512205	0.0295835	1.73584	0.283785	9.55E-10	0.0641972	0.0313185	0.04038269	0.2928874	4	0.47167785
ENSG00000186889	2	TMEM17	62727356	rs17854454	2	62733189	T	C	0.154076	-0.0158757	0.0100198	0.113095	-0.299175	0.0512435	5.27E-09	0.0530649	0.0347029	0.126234	0.00230065	7	0.61517925
ENSG00000225889	2	AC074289.1	64370373	rs58136932	2	64459585	A	G	0.119284	0.0117723	0.0102784	0.252068	-0.927764	0.090782	1.62E-24	-0.0126889	0.011148	0.2550295	0.02331287	14	0.74148168
ENSG00000138071	2	ACTR2	65454887	rs62139060	2	65495132	A	G	0.255467	-0.004819	0.00857342	0.574062	0.156832	0.0280728	2.32E-08	-0.0307268	0.0549423	0.5759865	0.8609205	4	0.89639273
ENSG00000236780	2	AC078941.1	67350489	rs638190	2	67662090	C	T	0.641153	-0.0137329	0.00816707	0.0926659	0.568972	0.0931349	1.00E-09	-0.0241363	0.0148879	0.1049733	0.1919109	7	0.59966108
ENSG00000243667	2	WDR92	68350068	rs10153623	2	68390910	T	G	0.219682	-0.0107724	0.0106388	0.311273	-0.293402	0.0469837	4.24E-10	0.0367155	0.0367337	0.3175506	0.1168281	4	0.78557346
ENSG00000115956	2	PLEK	68592305	rs10169751	2	68394409	T	C	0.2167	-0.0103778	0.0106419	0.329469	0.320871	0.0573753	2.24E-08	-0.0323426	0.0336661	0.3367096	0.1621266	8	0.79993575
ENSG00000124380	2	SNRNP27	70120692	rs3755391	2	70141519	T	C	0.245527	0.00031307	0.0096084	0.974007	-0.396691	0.0576867	6.13E-12	-0.0007892	0.0242216	0.9740074	0.09593059	12	0.99612776
ENSG00000179818	2	PCBP1-AS1	70189395	rs4852431	2	70311203	G	C	0.0695825	0.0138855	0.018592	0.455153	-0.618056	0.0887751	3.35E-12	-0.0224664	0.030254	0.4577282	0.3843017	8	0.85502448
ENSG00000124357	2	NAGK	71291474	rs34976255	2	71278492	A	G	0.23161	-0.0086159	0.00974266	0.376508	-0.349176	0.0604453	7.62E-09	0.024675	0.0282269	0.382028	0.4551203	9	0.82180041
ENSG00000144040	2	SFXN5	73169165	rs56280862	2	73336854	T	C	0.0586481	-0.0123067	0.0209304	0.556546	-0.363511	0.0578281	3.26E-10	0.0338551	0.0578298	0.5582609	0.5084261	3	0.88690277
ENSG00000116127	2	ALMS1	73612886	rs6705489	2	73648811	T	G	0.215706	0.00403968	0.00990311	0.683332	-0.457226	0.0735065	4.96E-10	-0.0088352	0.0217056	0.6839742	0.5302089	9	0.93046593
ENSG00000163016	2	ALMS1P	73872046	rs6546836	2	73677833	G	A	0.225646	0.00171593	0.00961742	0.858394	0.451668	0.0819852	3.61E-08	0.0037991	0.0213043	0.8584674	0.1918321	6	0.97368441
ENSG00000257800	2	FNBP1P1	74347807	rs1667619	2	74347576	T	G	0.390656	0.00300735	0.00840516	0.720493	0.597428	0.0665065	2.63E-19	0.00503383	0.0140801	0.7207066	0.6841134	11	0.93605801
ENSG00000217702	2	MGC10955	74361599	rs12619982	2	74356022	A	G	0.181909	-0.0040329	0.0108064	0.709005	1.29277	0.106783	9.76E-34	-0.0031196	0.00836308	0.7091369	0.9649704	15	0.93547223
ENSG00000225439	2	BOLA3-AS1	74375136	rs828885	2	74373342	T	A	0.428429	-0.0058833	0.00805518	0.465165	-0.374023	0.0357301	1.21E-25	0.0157297	0.0215889	0.4662473	0.5339213	17	0.85502448
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.16601	0.0638812	1.97E-74	-0.0072767	0.00772284	0.3460716	0.3784871	20	0.80796148
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.997464	0.0703032	1.09E-45	-0.0085063	0.00903568	0.3464922	0.3771187	20	0.80796148
ENSG00000115364	2	MRPL19	75873909	rs34081022	2	75902380	T	C	0.242545	-0.002606	0.00871732	0.764983	-0.610528	0.0555089	3.88E-28	0.0042684	0.0142836	0.7650679	0.1372505	20	0.94166946
ENSG00000042445	2	RETSAT	85569211	rs4474882	2	85574015	A	G	0.621272	-0.0134451	0.00823748	0.102639	0.265433	0.0390445	1.06E-11	-0.0506535	0.031916	0.1124935	0.428337	12	0.60439303
ENSG00000042493	2	CAPG	85621871	rs3770102	2	85637837	T	G	0.399602	0.0160466	0.00817506	0.0496615	0.299731	0.0448283	2.29E-11	0.0535367	0.0284257	0.05964744	0.7503958	11	0.52780415
ENSG00000152292	2	SH2D6	85645844	rs1877954	2	85654299	A	G	0.201789	-0.0094213	0.0101536	0.353473	-0.467118	0.0841282	2.82E-08	0.020169	0.0220381	0.3600945	0.06429429	4	0.81243949
ENSG00000115486	2	GGCX	85771846	rs1446668	2	85764960	T	G	0.497018	-0.0045351	0.00809918	0.575517	0.509577	0.0631828	7.32E-16	-0.0088997	0.0159322	0.5764341	0.2850531	17	0.89639273
ENSG00000115523	2	GNLY	85912298	rs10187314	2	85928550	T	C	0.407555	0.00444994	0.00827112	0.590571	-0.655866	0.0821228	1.39E-15	-0.0067848	0.0126396	0.5914108	0.226005	15	0.90251455
ENSG00000068654	2	POLR1A	86247339	rs311562	2	86291900	T	C	0.894632	0.00435422	0.0139099	0.754258	0.49595	0.0794102	4.23E-10	0.00877955	0.0280822	0.7545558	0.1390896	12	0.93884925
ENSG00000132305	2	IMMT	86371055	rs10178120	2	86244704	A	G	0.483101	0.0213534	0.00807031	0.00814704	-0.348152	0.042032	1.20E-16	-0.0613336	0.0243344	0.01172053	0.1717832	20	0.32827856
ENSG00000273080	2	RP11-301O19.1	86422713	rs6547663	2	86406438	G	A	0.478131	0.0131637	0.0080533	0.10214	1.00988	0.0851119	1.79E-32	0.0130349	0.00804983	0.1053872	0.1160813	20	0.59966108
ENSG00000132313	2	MRPL35	86426478	rs10179090	2	86327820	C	A	0.870775	0.00929705	0.0134137	0.488247	-0.24681	0.044419	2.75E-08	-0.0376689	0.0547695	0.491597	0.8301175	6	0.86532344
ENSG00000068615	2	REEP1	86441116	rs77052518	2	86414323	A	G	0.0308151	-0.0073022	0.016921	0.666072	-0.449143	0.0790944	1.36E-08	0.016258	0.0377826	0.6669741	0.5874902	11	0.93003269
ENSG00000115561	2	CHMP3	86730554	rs111226991	2	86668822	A	C	0.139165	0.0601723	0.0141945	2.24E-05	0.256119	0.0374107	7.59E-12	0.234939	0.0651859	0.00031319	0.1534216	5	0.14160685
ENSG00000183281	2	PLGLB1	87229682	rs181970253	2	87130278	G	C	0.0596421	0.051602	0.0202532	0.010839	-1.02543	0.129439	2.34E-15	-0.0503223	0.0207473	0.01528773	0.05254094	10	0.34868323
ENSG00000231259	2	AC125232.1	87257800	rs10205992	2	87279109	T	C	0.516899	0.00100886	0.00829855	0.903239	-0.942813	0.0796112	2.35E-32	-0.0010701	0.00880237	0.9032441	0.00721365	20	0.9879812
ENSG00000234231	2	AC093616.4	88000503	rs10201592	2	87997844	A	G	0.194831	0.00316723	0.0100963	0.753748	-0.512448	0.0873922	4.52E-09	-0.0061806	0.0197303	0.7540876	0.3425222	5	0.93884925
ENSG00000163586	2	FABP1	88422510	rs2970901	2	88428834	T	G	0.474155	0.0110355	0.00834403	0.185981	-0.941864	0.0798884	4.41E-32	-0.0117167	0.00891463	0.1887391	0.578735	16	0.67951294
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	0.993478	0.0785532	1.16E-36	0.00388465	0.00873788	0.6566268	0.816394	20	0.92532717
ENSG00000153574	2	RPIA	88991162	rs335115	2	89027647	T	C	0.686879	0.019915	0.00841299	0.0179242	-0.393867	0.0609621	1.04E-10	-0.0505628	0.0227485	0.02623719	0.9472025	3	0.40738371
ENSG00000143429	2	AC027612.6	91805186	rs113484854	2	92034038	A	G	0.0964215	0.0187334	0.0191767	0.328626	-0.850629	0.130648	7.47E-11	-0.022023	0.0227965	0.3340092	0.3832653	6	0.79946895
ENSG00000232531	2	AC027612.1	91935966	rs75365386	2	91865495	A	G	0.0864811	0.0246337	0.017665	0.16317	0.87574	0.134188	6.74E-11	0.028129	0.0206269	0.1726595	0.03354109	7	0.65919056
ENSG00000223564	2	CYP4F32P	95425004	rs1809636	2	95421697	G	C	0.406561	-0.0262031	0.00857997	0.00225819	0.655391	0.0501771	5.46E-39	-0.0399809	0.0134445	0.00294157	0.7353311	20	0.22866639
ENSG00000232502	2	AC073464.7	95426519	rs1809636	2	95421697	G	C	0.406561	-0.0262031	0.00857997	0.00225819	0.451497	0.0523955	6.87E-18	-0.058036	0.0201616	0.00399509	0.6460506	19	0.2393289
ENSG00000229089	2	ANKRD20A8P	95476791	rs7588397	2	95505064	A	G	0.34493	-0.0238051	0.00882586	0.00699246	0.441331	0.0555669	1.98E-15	-0.0539393	0.02112	0.01065094	0.7757536	20	0.30983639
ENSG00000144026	2	ZNF514	95813075	rs111376985	2	95973657	T	C	0.0357853	0.0476526	0.0299242	0.111286	-1.14198	0.183734	5.12E-10	-0.041728	0.0270502	0.1229238	0.4044365	13	0.61194908
ENSG00000230606	2	AC159540.1	98081083	rs201946806	2	98204559	A	G	0.62326	0.00090798	0.00954193	0.92419	-0.463238	0.0613286	4.24E-14	-0.0019601	0.0206	0.9241962	0.5411046	20	0.99060699
ENSG00000196912	2	ANKRD36B	98108978	rs2034403	2	98176612	C	A	0.748509	0.00664521	0.00994461	0.503991	-0.552088	0.0801548	5.67E-12	-0.0120365	0.0180973	0.5059868	0.408898	3	0.87041275
ENSG00000115085	2	ZAP70	98330023	rs11894651	2	98317771	A	C	0.736581	0.00496402	0.00967661	0.607957	-0.525597	0.0749928	2.41E-12	-0.0094445	0.01846	0.6089149	0.4467135	10	0.91165983
ENSG00000183513	2	COA5	99215773	rs72821955	2	99159792	A	G	0.262425	0.0139802	0.0100205	0.162969	0.304437	0.0453867	1.98E-11	0.0459215	0.0336193	0.1719621	0.1283366	7	0.65919056
ENSG00000135951	2	TSGA10	99613724	rs13012481	2	99754290	A	C	0.632207	0.00049903	0.00815157	0.951185	0.492193	0.0672588	2.52E-13	0.00101389	0.0165623	0.9511865	0.8198547	17	0.99132464
ENSG00000144182	2	LIPT1	99771418	rs13012481	2	99754290	A	C	0.632207	0.00049903	0.00815157	0.951185	0.517805	0.0702833	1.74E-13	0.00096374	0.0157431	0.9511865	0.7164197	18	0.99132464
ENSG00000158411	2	MITD1	99777890	rs1044575	2	99812070	A	G	0.648111	0.00223053	0.00818038	0.785109	-0.381788	0.0645775	3.38E-09	-0.0058423	0.0214493	0.7853308	0.7468725	16	0.94647669
ENSG00000185414	2	MRPL30	99797542	rs13030961	2	99799520	G	C	0.632207	0.00060059	0.00815143	0.941266	0.248895	0.0425271	4.84E-09	0.00241303	0.0327531	0.9412703	0.5191397	6	0.99132464
ENSG00000144218	2	AFF3	100162323	rs78633727	2	100669457	C	T	0.191849	0.0118778	0.010884	0.275137	0.486548	0.0777561	3.92E-10	0.0244124	0.0227075	0.2823387	0.331192	19	0.75857554
ENSG00000163162	2	RNF149	101887681	rs13017536	2	101892138	T	C	0.437376	0.00366428	0.00806873	0.649733	0.432482	0.0537721	8.78E-16	0.00847268	0.0186865	0.6502527	0.5329292	10	0.92429596
ENSG00000212283	2	SNORD89	101889398	rs750783	2	101889306	G	A	0.436382	0.00338134	0.00806705	0.675103	0.913937	0.0889167	8.80E-25	0.00369975	0.00883404	0.6753576	0.60331	15	0.93020759
ENSG00000115598	2	IL1RL2	102803433	rs917994	2	102837414	A	G	0.59841	0.00651261	0.0083033	0.432841	-0.405428	0.0538372	5.05E-14	-0.0160635	0.0205911	0.4353202	0.2537913	20	0.85502448
ENSG00000115602	2	IL1RL1	102927962	rs12712135	2	102930948	G	A	0.498012	0.01259	0.00802994	0.116909	-0.616628	0.0518041	1.14E-32	-0.0204175	0.0131348	0.1200759	0.494478	20	0.61106548
ENSG00000115604	2	IL18R1	102927989	rs2110660	2	102918601	G	C	0.494036	0.0127759	0.00803259	0.111721	-0.649979	0.0539025	1.75E-33	-0.0196559	0.0124653	0.1148299	0.4459761	20	0.60439303
ENSG00000234177	2	AC068057.2	105363096	rs441792	2	105404221	G	A	0.501988	0.00746151	0.00807325	0.355369	-0.371055	0.0465363	1.54E-15	-0.0201089	0.0219032	0.3585773	0.3981753	5	0.81238164
ENSG00000135972	2	MRPS9	105654441	rs12611597	2	105717159	A	G	0.22167	0.00844064	0.0107476	0.43225	-0.374973	0.0642167	5.25E-09	-0.02251	0.0289204	0.4363669	0.08961005	5	0.85502448
ENSG00000119147	2	C2orf40	106679702	rs66989638	2	106689736	A	G	0.125249	0.0128267	0.010364	0.215856	-0.81886	0.103658	2.80E-15	-0.0156641	0.012811	0.2214408	0.1213346	9	0.7166259
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.14246	0.105539	2.62E-27	0.00125896	0.00864101	0.8841615	0.2042622	10	0.98128259
ENSG00000198075	2	SULT1C4	108994367	rs532478698	2	109601964	C	T	0.0198807	0.0168797	0.0290509	0.561213	-0.771044	0.140247	3.85E-08	-0.021892	0.0378872	0.5633851	0.3994949	4	0.88933359
ENSG00000153208	2	MERTK	112656056	rs72825650	2	112763148	A	G	0.0328032	-0.0237541	0.0309104	0.442201	0.936798	0.159075	3.88E-09	-0.0253567	0.0332756	0.446047	0.8168168	6	0.85502448
ENSG00000169629	2	RGPD8	113127669	rs34510112	2	113188918	T	C	0.16004	0.0003763	0.0109131	0.972493	-0.965847	0.084969	6.10E-30	-0.0003896	0.011299	0.9724937	0.6430529	20	0.99559654
ENSG00000125630	2	POLR1B	113299492	rs13413001	2	113315803	C	A	0.083499	-0.0003849	0.0146081	0.978978	1.17206	0.124622	5.21E-21	-0.0003284	0.0124637	0.9789777	0.7364027	9	0.99662399
ENSG00000237753	2	AC079922.3	113399409	rs11123144	2	113403662	C	T	0.831014	-0.0142907	0.0119218	0.230641	-0.796517	0.0762302	1.48E-25	0.0179415	0.0150656	0.2336959	0.8699002	20	0.72871677
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-1.05608	0.0975957	2.74E-27	0.00833986	0.00777936	0.2836978	0.482393	20	0.75895423
ENSG00000125618	2	PAX8	113973574	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.863004	0.103351	6.81E-17	0.0102057	0.00955149	0.2852981	0.4734263	20	0.75895423
ENSG00000136682	2	CBWD2	114195268	rs2757893	2	114171423	A	G	0.158052	-0.005963	0.00985063	0.544954	-0.451136	0.0723346	4.47E-10	0.0132176	0.0219378	0.5468376	0.5377476	6	0.88268348
ENSG00000184492	2	FOXD4L1	114256661	rs2757893	2	114171423	A	G	0.158052	-0.005963	0.00985063	0.544954	-0.756085	0.0850021	5.85E-19	0.00788661	0.0130586	0.5458835	0.4876474	11	0.88239085
ENSG00000225398	2	RP11-395L14.5	114299514	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	0.858739	0.0776566	2.00E-28	0.0144536	0.0105014	0.1687133	0.1839396	20	0.65839328
ENSG00000226516	2	FAM138B	114334959	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.531787	0.0791992	1.89E-11	0.0227459	0.0171664	0.1851618	0.1960242	10	0.67360586
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.686342	0.0550149	1.01E-35	-0.0180841	0.0131174	0.1680057	0.2498328	20	0.65646672
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.865779	0.069723	2.10E-35	0.0139712	0.0103978	0.1790551	0.185271	20	0.66127117
ENSG00000240356	2	RPL23AP7	114368079	rs1667103	2	114380967	T	C	0.294235	0.0087771	0.00870705	0.313433	-0.92497	0.0812767	5.23E-30	-0.0094891	0.00945019	0.3153237	0.01235038	20	0.78270524
ENSG00000144134	2	RABL2A	114384806	rs7557845	2	114417342	A	T	0.11332	0.0133249	0.011052	0.227949	-0.263872	0.0393681	2.05E-11	-0.0504976	0.0425561	0.235381	0.1789123	7	0.7303734
ENSG00000115084	2	SLC35F5	114462588	rs145661897	2	114462446	A	C	0.117296	0.0328416	0.0122547	0.00736377	-0.304666	0.0552404	3.48E-08	-0.107795	0.0447205	0.01593394	0.04432743	3	0.34868323
ENSG00000228857	2	AC104653.1	114588626	rs62171761	2	114595287	A	G	0.631213	0.0103211	0.00842129	0.22035	0.622681	0.0600188	3.23E-25	0.0165753	0.0136183	0.2235537	0.3151487	20	0.71746678
ENSG00000125633	2	CCDC93	118673054	rs1863042	2	118666409	A	G	0.423459	0.00692904	0.008667	0.424016	0.34508	0.0457336	4.51E-14	0.0200795	0.0252565	0.4265997	0.2195616	20	0.85416275
ENSG00000271709	2	RP11-297J22.1	121623953	rs10427244	2	121614391	T	G	0.147117	0.0198814	0.013135	0.130124	0.628588	0.102718	9.38E-10	0.0316287	0.0215257	0.1417402	0.6008436	5	0.63115442
ENSG00000136717	2	BIN1	127805603	rs13389409	2	127850501	C	T	0.324056	-0.0034021	0.00859702	0.692304	-0.229798	0.038435	2.25E-09	0.0148047	0.0374931	0.6929425	0.02759696	4	0.93344952
ENSG00000163161	2	ERCC3	128014866	rs11541137	2	128145771	T	C	0.250497	-0.0071778	0.0094129	0.445731	-0.276807	0.0494941	2.24E-08	0.0259307	0.0343199	0.4499133	0.8159401	6	0.85502448
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.35967	0.0749973	1.86E-73	-0.0081427	0.00669933	0.2241942	0.9672042	20	0.71746678
ENSG00000115718	2	PROC	128176003	rs2069914	2	128178272	A	G	0.259443	-0.0103829	0.00896665	0.246886	0.573585	0.0817374	2.26E-12	-0.0181018	0.015844	0.2532476	0.96554	13	0.74108855
ENSG00000144231	2	POLR2D	128603840	rs6721274	2	128616001	G	A	0.512922	-0.0053862	0.00807174	0.504589	-0.436786	0.0578119	4.18E-14	0.0123313	0.0185518	0.506244	0.7960439	20	0.87041275
ENSG00000214100	2	AC079776.2	130680435	rs6760544	2	130694072	C	A	0.693837	-0.0082865	0.0082287	0.313924	0.468287	0.063716	1.99E-13	-0.0176953	0.0177361	0.3184243	0.1218793	16	0.78557346
ENSG00000225449	2	AC079776.7	130724165	rs11674996	2	130739891	A	T	0.692843	-0.0153721	0.00827086	0.0630856	0.598391	0.0622761	7.35E-22	-0.0256891	0.014078	0.06803683	0.7099015	20	0.53758036
ENSG00000222014	2	RAB6C	130737235	rs6709481	2	130730457	G	T	0.704771	-0.0153629	0.00828673	0.0637514	0.598506	0.0714522	5.46E-17	-0.0256687	0.0141808	0.07027864	0.5573071	10	0.53894294
ENSG00000236595	2	MED15P5	131009141	rs6431145	2	131008357	C	T	0.449304	-0.0172345	0.00809753	0.0333066	0.679973	0.0842131	6.78E-16	-0.0253459	0.0123154	0.03958369	0.4323197	20	0.46984413
ENSG00000136698	2	CFC1	131350339	rs147881141	2	131214153	C	A	0.127237	0.00031944	0.0182695	0.98605	-0.653247	0.108014	1.47E-09	-0.000489	0.0279673	0.9860499	0.501053	10	0.99662399
ENSG00000224425	2	AC073869.2	132109787	rs2313726	2	132096316	G	A	0.884692	-0.0122576	0.0116775	0.293866	0.583438	0.094912	7.89E-10	-0.0210093	0.0203047	0.300809	0.8346441	17	0.77272183
ENSG00000273073	2	RP11-109E12.1	132219394	rs10196582	2	132243661	C	G	0.0457256	0.0246713	0.0173231	0.154392	0.903604	0.128996	2.47E-12	0.0273032	0.0195633	0.1628254	0.4424472	20	0.65178939
ENSG00000173272	2	MZT2A	132222473	rs6714329	2	132234784	A	G	0.0924453	0.0255262	0.0172175	0.138187	-0.776018	0.0681964	5.31E-30	-0.0328938	0.0223745	0.1415218	0.8027684	20	0.63115442
ENSG00000152117	2	AC093838.4	132250386	rs374293949	2	132260297	A	G	0.194831	-0.0095517	0.00918408	0.298327	-0.925366	0.0615697	4.70E-51	0.0103221	0.00994854	0.2994811	0.9992453	20	0.77272183
ENSG00000163040	2	CCDC74A	132285248	rs72855953	2	131660874	A	C	0.0149105	-0.0173624	0.0195423	0.374297	-1.26945	0.187186	1.19E-11	0.0136771	0.0155258	0.3783585	0.4964564	4	0.82169123
ENSG00000235615	2	AJ239322.1	132722304	rs34301489	2	132796362	A	G	0.719682	0.0137841	0.00864028	0.110637	0.505516	0.0700831	5.47E-13	0.0272674	0.0175051	0.1193076	0.7697177	8	0.61106548
ENSG00000236485	2	RP1-156L9.1	132741510	rs12995303	2	132789600	T	G	0.713718	0.0149562	0.00852754	0.0794511	0.629882	0.0620579	3.32E-24	0.0237444	0.0137389	0.08394191	0.5260759	8	0.57012048
ENSG00000226886	2	AC093787.1	132795360	rs34301489	2	132796362	A	G	0.719682	0.0137841	0.00864028	0.110637	0.506321	0.0652953	8.88E-15	0.027224	0.0174222	0.118146	0.4013937	6	0.61071871
ENSG00000227745	2	AC098826.5	132890429	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.07088	0.121806	1.47E-18	0.00794861	0.0192329	0.6794006	0.7625326	20	0.93020759
ENSG00000163046	2	ANKRD30BL	132905164	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.37011	0.129346	3.22E-26	0.00621265	0.0150273	0.6792965	0.7553883	20	0.93020759
ENSG00000076003	2	MCM6	136597196	rs73958637	2	136546927	T	C	0.21173	-0.0142291	0.0115431	0.217691	-0.606788	0.0777762	6.11E-15	0.0234499	0.0192593	0.2233804	0.1729755	20	0.71746678
ENSG00000123610	2	TNFAIP6	152214106	rs3936325	2	152203035	C	T	0.332008	-0.0085828	0.00895854	0.338035	0.471221	0.0734	1.36E-10	-0.0182139	0.0192219	0.3433527	0.6763975	15	0.80681043
ENSG00000080345	2	RIF1	152266397	rs2290368	2	152266473	C	T	0.402584	0.010231	0.00820666	0.212517	-0.352978	0.0490711	6.33E-13	-0.0289848	0.0235964	0.2193124	0.4447237	16	0.71530986
ENSG00000251491	2	OR7E28P	159718823	rs6730860	2	159623524	T	C	0.361829	-0.0039846	0.00855331	0.641317	0.522939	0.0829772	2.93E-10	-0.0076197	0.0164009	0.6422254	0.5048038	19	0.92267063
ENSG00000196151	2	WDSUB1	160092304	rs10490002	2	160109258	G	C	0.342942	0.0133782	0.00820158	0.102853	-0.676498	0.0811084	7.39E-17	-0.0197757	0.0123533	0.1094108	0.8664136	16	0.6022351
ENSG00000054219	2	LY75	160628362	rs62176692	2	160743463	T	C	0.527833	0.00705169	0.00823019	0.391551	0.409635	0.0546641	6.70E-14	0.0172146	0.0202224	0.3946241	0.01226144	19	0.82705257
ENSG00000115339	2	GALNT3	166604101	rs12477613	2	166717184	C	G	0.44334	-0.0144748	0.00811051	0.0743105	0.522682	0.0740611	1.70E-12	-0.0276933	0.0160056	0.08358908	0.4044503	12	0.57012048
ENSG00000144285	2	SCN1A	166845670	rs9332423	2	166741358	A	G	0.497018	-0.0087335	0.00808427	0.280003	-0.304756	0.0442769	5.86E-12	0.0286575	0.0268518	0.2858603	0.507143	14	0.75904533
ENSG00000138399	2	FASTKD1	170386259	rs2353192	2	170430388	C	G	0.130219	0.0063914	0.0106457	0.548256	0.630766	0.0801411	3.53E-15	0.0101328	0.0169264	0.5494165	0.1015578	20	0.88397535
ENSG00000154479	2	CCDC173	170501935	rs146065243	2	170578818	T	C	0.135189	0.00011493	0.0118242	0.992245	-0.655145	0.107515	1.10E-09	-0.0001754	0.0180482	0.9922451	0.4377521	11	0.99801864

ENSG00000144362	2	PHOSPHO2	170550975	rs13009840	2	170569672	A	C	0.28827	-0.0348078	0.00956279	0.00027272	-0.486509	0.0855803	1.31E-08	0.0715461	0.0233399	0.00217378	0.9787272	7	0.21373776
ENSG00000222033	2	AC007405.2	171568961	rs4132720	2	171588924	T	A	0.290258	-0.0058286	0.00869927	0.502848	0.420684	0.0720087	5.15E-09	-0.0138551	0.0208144	0.5056339	0.9459085	3	0.87041275
ENSG00000071967	2	CYBRD1	172378757	rs2542943	2	172424963	T	C	0.533797	-0.0064861	0.00810652	0.423646	0.286787	0.0366366	4.96E-15	-0.0226165	0.028414	0.4260527	0.768535	20	0.85416275
ENSG00000115840	2	SLC25A12	172640880	rs75922913	2	172620152	C	T	0.270378	0.0259706	0.00991368	0.00880136	0.209488	0.0376105	2.55E-08	0.123972	0.0522962	0.01776065	0.4145837	11	0.34868323
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs767072	2	173592148	A	G	0.696819	-0.0076858	0.00827968	0.353268	-0.393549	0.0497112	2.44E-15	0.0195294	0.0211826	0.3565532	0.1271997	11	0.81071725
ENSG00000236449	2	AC018890.6	175411869	rs12615270	2	175590817	C	T	0.747515	0.0233643	0.0100077	0.0195619	-0.56589	0.0806022	2.21E-12	-0.0412877	0.018637	0.02673545	0.01375155	8	0.40738371
ENSG00000115935	2	WIPF1	175424300	rs11675139	2	175440316	A	G	0.54672	0.0161976	0.00820556	0.0483849	-0.247754	0.0318282	7.02E-15	-0.0653778	0.0341681	0.05569522	0.4448991	15	0.52780415
ENSG00000154518	2	ATP5G3	176040986	rs268223	2	176043618	T	C	0.799205	-0.0173934	0.0118946	0.143661	-0.154679	0.0280057	3.33E-08	0.112448	0.0795482	0.1574827	0.04855269	9	0.64842413
ENSG00000144320	2	KIAA1715	176788620	rs3099604	2	176865282	C	T	0.482107	-0.0068979	0.00810741	0.394873	-0.374276	0.0419667	4.73E-19	0.01843	0.0217599	0.3970125	0.3410346	18	0.82778514
ENSG00000079156	2	OSBPL6	179059208	rs334631	2	179146446	G	T	0.352883	0.00330653	0.00854505	0.698792	0.369931	0.0657804	1.87E-08	0.00893823	0.0231537	0.6994671	0.3693204	9	0.93393482
ENSG00000115252	2	PDE1A	183004763	rs1965089	2	183404968	T	G	0.757455	0.012495	0.0113759	0.272043	-0.530793	0.0531173	1.64E-23	-0.0235402	0.021561	0.2749214	0.4759715	20	0.75436188
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.13929	0.0839305	5.70E-42	0.0101365	0.00723757	0.1613527	0.1709123	20	0.65108594
ENSG00000259915	2	RP11-410E4.1	187219299	rs12693451	2	187386767	A	G	0.67992	-0.0104506	0.00820335	0.202682	-0.594214	0.0783853	3.44E-14	0.0175873	0.013999	0.2089977	0.2867134	20	0.70128891
ENSG00000138381	2	ASNSD1	190526111	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	0.679366	0.059299	2.18E-30	0.0298545	0.0132045	0.02376361	0.02203079	20	0.39794617
ENSG00000253559	2	OSGEPL1-AS1	190627430	rs7577758	2	190518610	T	C	0.751491	0.0208638	0.00900577	0.0205192	0.713836	0.106165	1.77E-11	0.0292277	0.0133439	0.02849924	0.06928551	12	0.41566864
ENSG00000273240	2	RP11-455J20.3	190628585	rs13026135	2	190583569	A	G	0.729622	0.0191748	0.00877409	0.0288602	0.768244	0.0825899	1.38E-20	0.0249593	0.0117319	0.03338162	0.02167376	20	0.44391944
ENSG00000128699	2	ORMDL1	190635049	rs2289226	2	190526205	T	C	0.730616	0.0201697	0.00879423	0.0218183	-0.57867	0.0623052	1.58E-20	-0.0348553	0.0156538	0.02597204	0.03546118	20	0.40738371
ENSG00000198130	2	HIBCH	191054461	rs291431	2	191199530	A	G	0.604374	-0.0098362	0.00831099	0.236606	0.482647	0.0489288	5.95E-23	-0.0203796	0.0173431	0.2399607	0.06226895	18	0.73372296
ENSG00000151689	2	INPP1	191208196	rs291411	2	191122840	A	T	0.243539	-0.0105718	0.0111831	0.344486	0.535725	0.0595602	2.37E-19	-0.0197336	0.0209897	0.347136	0.00065917	20	0.80796148
ENSG00000151690	2	MFSD6	191273081	rs7603607	2	191326327	A	G	0.449304	0.00366309	0.00809739	0.650996	-0.172933	0.0251421	6.06E-12	-0.0211821	0.046925	0.6516985	0.05634864	15	0.9245297
ENSG00000118997	2	DNAH7	196602427	rs10931722	2	196997203	C	T	0.611332	0.0159443	0.0082568	0.0534774	-0.398655	0.0435948	5.99E-20	-0.0399952	0.0211684	0.05884039	0.1419118	20	0.52780415
ENSG00000213938	2	SEPHS1P6	200524274	rs13008446	2	200628500	A	G	0.66004	0.00646253	0.00948012	0.495433	0.377117	0.0508525	1.21E-13	0.0171367	0.0252444	0.497245	0.5379183	20	0.86614223
ENSG00000226124	2	FTCDNL1	200625267	rs6759018	2	200620763	C	T	0.663022	0.00506358	0.00929581	0.585949	-0.692267	0.0730746	2.71E-21	-0.0073145	0.0134502	0.5865666	0.04311063	17	0.89858823
ENSG00000162971	2	TYW5	200794698	rs1704191	2	200816393	A	C	0.644135	-0.021506	0.00826957	0.00930572	0.441974	0.0696186	2.17E-10	-0.048659	0.0202196	0.01610491	0.08850638	15	0.34868323
ENSG00000240344	2	PPIL3	201735630	rs7606251	2	201736734	C	T	0.241551	0.00633892	0.00948388	0.503886	-1.0344	0.0821869	2.52E-36	-0.0061281	0.0091814	0.5044858	0.5375946	20	0.87041275
ENSG00000155749	2	ALS2CR12	202152994	rs7560328	2	202164837	C	A	0.614314	-0.000447	0.00827166	0.956908	-0.590437	0.0580631	2.73E-24	0.00075699	0.0140096	0.9569084	0.4615461	20	0.99132464
ENSG00000023228	2	NDUFS1	206979541	rs6435330	2	207010558	T	G	0.482107	5.39E-05	0.00805822	0.994662	-0.279646	0.0374463	8.15E-14	-0.0001928	0.0288158	0.9946615	0.5010939	18	0.99803567
ENSG00000138400	2	MDH1B	207602487	rs1862092	2	207661916	C	T	0.280318	0.00495061	0.00845521	0.558205	0.533313	0.0563528	2.97E-21	0.00928275	0.0158844	0.5589562	0.758069	20	0.88690277
ENSG00000168582	2	CRYGA	209025464	rs10191088	2	209030050	A	T	0.691849	0.00338257	0.00824875	0.681754	0.673883	0.0872143	1.10E-14	0.00501952	0.0122579	0.6821769	0.8815454	10	0.93046593
ENSG00000188674	2	C2orf80	209030067	rs12992988	2	209031976	A	G	0.693837	0.00320434	0.00825726	0.697969	-0.261756	0.0338003	9.62E-15	-0.0122417	0.0315852	0.6983291	0.8605923	11	0.93344952
ENSG00000138363	2	ATIC	216176540	rs28366034	2	216176780	T	C	0.140159	0.009994	0.0116167	0.389615	0.508808	0.0708337	6.81E-13	0.019642	0.0229944	0.3929895	0.2359992	6	0.82705257
ENSG00000079246	2	XRCC5	216972187	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	-0.816086	0.107223	2.72E-14	0.00893173	0.0247212	0.7178766	0.8831496	7	0.93605801
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	1.11584	0.104641	1.51E-26	-0.0065324	0.0180702	0.7177272	0.9930705	12	0.93605801
ENSG00000261338	2	RP11-378A13.1	219120042	rs12999734	2	219121528	G	A	0.587475	-0.0025925	0.00858517	0.762669	0.781299	0.0530406	4.12E-49	-0.0033182	0.0109906	0.7627165	0.1606336	20	0.94139208
ENSG00000127838	2	PNKD	219135115	rs10932774	2	219191569	A	G	0.342942	-0.0050466	0.00906537	0.577739	0.243618	0.0397841	9.15E-10	-0.0207153	0.0373649	0.5793019	0.2542366	5	0.89657238
ENSG00000054356	2	PTPRN	220154345	rs10182371	2	220208488	C	T	0.840954	-8.34E-05	0.0183295	0.996369	-0.294758	0.0400231	1.78E-13	0.00028299	0.0621849	0.996369	0.09991146	15	0.99803567
ENSG00000182698	2	RESP18	220192131	rs2385405	2	220197321	T	C	0.276342	0.0103078	0.0107941	0.339606	-0.977998	0.0740497	7.96E-40	-0.0105397	0.0110657	0.3408632	0.2777287	20	0.80449816
ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.698732	0.0718311	2.30E-22	0.0101124	0.0126899	0.4255168	0.7239956	12	0.85416275
ENSG00000152049	2	KCNE4	223916532	rs6745131	2	224079263	T	C	0.54672	-0.0052931	0.00805558	0.511134	0.454749	0.0613834	1.28E-13	-0.0116396	0.0177839	0.5127877	0.6752821	8	0.87041275
ENSG00000168958	2	MFF	228189867	rs4673192	2	228236131	G	A	0.16501	-0.0023126	0.0103284	0.82283	-0.388216	0.0561619	4.76E-12	0.00595699	0.0266187	0.8229211	0.9091459	19	0.95876638
ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-1.37509	0.166585	1.52E-16	-0.0006312	0.0124255	0.9594845	0.8688526	4	0.99132464
ENSG00000135899	2	SP110	231032009	rs1427293	2	231078645	T	G	0.88171	-0.0054066	0.0120043	0.652429	-0.417513	0.0648246	1.19E-10	0.0129496	0.0288221	0.6532197	0.6868268	6	0.92458065
ENSG00000173699	2	SPATA3	231860836	rs4973371	2	231882293	G	A	0.313121	0.01076	0.00849017	0.205032	-0.758407	0.0824301	3.56E-20	-0.0141876	0.0113004	0.2092998	0.3920671	10	0.70128891
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-0.849145	0.101233	4.94E-17	-0.0150898	0.0108517	0.1643635	0.01903664	16	0.6544165
ENSG00000237412	2	PRSS56	233385173	rs2741299	2	233388813	G	T	0.7833	0.0161077	0.0102225	0.115092	-0.927928	0.101925	8.70E-20	-0.0173588	0.0111803	0.1205124	0.8127516	16	0.6112528
ENSG00000182600	2	C2orf82	233721980	rs812383	2	233737132	A	C	0.626243	-0.014024	0.00882846	0.112174	0.576776	0.0567187	2.72E-24	-0.0243145	0.0154922	0.1165394	0.08733776	20	0.60616766
ENSG00000132330	2	SCLY	238969530	rs11902786	2	239031086	C	A	0.276342	0.00487076	0.00982362	0.62002	0.37892	0.0636185	2.58E-09	0.0128543	0.026015	0.6212269	0.7056658	10	0.91426882
ENSG00000144488	2	ESPNL	239008798	rs12471185	2	239035937	A	G	0.405567	0.0071965	0.00830035	0.385936	0.944471	0.0846464	6.56E-29	0.00761961	0.00881485	0.3873649	0.3321749	20	0.82670931
ENSG00000186235	2	AC016757.3	239133193	rs72976013	2	239144306	G	A	0.335984	-0.0079816	0.00865936	0.356667	-0.562485	0.0836084	1.72E-11	0.0141899	0.0155386	0.3611356	0.4699444	6	0.81243949
ENSG00000144485	2	HES6	239146908	rs72991071	2	239127229	G	A	0.33002	-0.008546	0.00873407	0.327846	0.509739	0.0604396	3.34E-17	-0.0167653	0.0172493	0.3310793	0.9928477	14	0.79608155
ENSG00000130414	2	NDUFA10	240831867	rs10166776	2	240967312	A	G	0.343936	-0.0029517	0.00878978	0.737018	-0.231041	0.0370911	4.69E-10	0.0127755	0.0380995	0.7373845	0.2523766	6	0.93605801
ENSG00000172428	2	MYEOV2	241065980	rs12618815	2	241072263	T	C	0.240557	-0.0057171	0.00952131	0.548202	-0.32013	0.0498944	1.40E-10	0.0178588	0.029872	0.5499441	0.9882892	3	0.88397535
ENSG00000144504	2	ANKMY1	241418839	rs13394744	2	241461372	A	T	0.178926	0.0004461	0.00909418	0.960877	-0.434545	0.0727648	2.34E-09	-0.0010266	0.0209288	0.9608784	0.3637308	3	0.99132464
ENSG00000178623	2	GPR35	241544848	rs4676411	2	241561088	T	G	0.358847	-0.0006633	0.00840243	0.937084	-0.669316	0.0638121	9.72E-26	0.00099094	0.0125541	0.9370855	0.04547988	4	0.99132464
ENSG00000122085	2	MTERFD2	242011584	rs7587318	2	242065358	G	A	0.16004	0.00057414	0.0106637	0.957062	-0.640882	0.0924608	4.17E-12	-0.0008959	0.0166396	0.9570633	0.5428146	5	0.99132464
ENSG00000115687	2	PASK	242045514	rs758072	2	242083872	T	G	0.0864811	0.0248481	0.0195064	0.202719	0.398286	0.0588228	1.28E-11	0.0623876	0.0498351	0.2106131	0.7591809	11	0.70128891
ENSG00000146205	2	ANO7	242127924	rs11678844	2	242155899	G	C	0.82008	-0.0055049	0.0107121	0.607323	0.742271	0.104448	1.19E-12	-0.0074164	0.0144692	0.6082585	0.5510513	20	0.91165983
ENSG00000168385	2	2-Sep	242254515	rs115271170	2	242347614	T	C	0.0974155	0.00844605	0.0150171	0.573824	0.639412	0.0492726	1.65E-38	0.0132091	0.0235078	0.5741832	0.05125124	20	0.89565787
ENSG00000006607	2	FARP2	242295658	rs2018761	2	242433348	G	A	0.813121	0.00460775	0.0102753	0.653844	0.326831	0.0582361	2.00E-08	0.0140983	0.0315394	0.6548714	0.00468564	11	0.92487808
ENSG00000168393	2	DTYMK	242615157	rs1130905	2	242612784	G	T	0.666998	0.00071448	0.00842552	0.93242	-0.224262	0.0368116	1.11E-09	-0.0031859	0.0375736	0.9324271	0.4857506	5	0.99132464
ENSG00000180902	2	D2HGDH	242673994	rs10933569	2	242710954	G	A	0.516899	0.00940701	0.00811479	0.246358	-0.623268	0.0540513	9.20E-31	-0.015093	0.0130854	0.2487345	0.8551952	20	0.73968148
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.13511	0.0787534	4.26E-47	0.0154977	0.00815618	0.05741762	0.4553123	20	0.52780415
ENSG00000237940	2	AC093642.3	242912834	rs559186830	2	243087313	T	C	0.026839	-0.0413214	0.02827	0.143832	-1.15138	0.152025	3.63E-14	0.0358886	0.0250062	0.1512341	0.7762822	3	0.64465192
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	0.823339	0.0802657	1.09E-24	0.0177867	0.0108294	0.1004967	0.1709893	20	0.59734669
ENSG00000220804	2	AC093642.5	243030784	rs559186830	2	243087313	T	C	0.026839	-0.0413214	0.02827	0.143832	-1.15873	0.16509	2.24E-12	0.0356609	0.0249208	0.152439	0.7216893	4	0.64465192
ENSG00000224318	3	CHL1-AS2	237441	rs76556748	3	238321	G	C	0.116302	0.0109572	0.0153396	0.475037	0.614331	0.0996286	6.99E-10	0.017836	0.0251366	0.4779752	0.3607287	11	0.85676979
ENSG00000144455	3	SUMF1	3742498	rs2633852	3	4403837	G	A	0.590457	-0.0040736	0.00814173	0.616838	-0.55063	0.0661144	8.19E-17	0.00739809	0.0148129	0.6174718	0.5374297	12	0.91376183
ENSG00000180914	3	OXTR	8792094	rs968389	3	8811163	G	A	0.468191	-7.81E-05	0.00813508	0.992343	0.555022	0.0695618	1.48E-15	-0.0001407	0.0146572	0.9923427	0.2339484	15	0.99801864
ENSG00000134077	3	THUMPD3	9404526	rs7638655	3	9425376	T	C	0.149105	-0.0138942	0.0120487	0.248843	-0.420159	0.0606909	4.42E-12	0.0330689	0.0290716	0.2553305	0.3729548	20	0.74148168
ENSG00000214021	3	TTLL3	9849770	rs13088594	3	9876301	T	G	0.912525	0.00375262	0.016978	0.82507	0.387722	0.0614185	2.74E-10	0.00967864	0.0438159	0.8251757	0.4737064	10	0.95947138
ENSG00000156990	3	RPUSD3	9879533	rs2290306	3	9885615	C	G	0.05666	0.00311167	0.0184157	0.865822	-0.655074	0.0742325	1.10E-18	-0.0047501	0.0281175	0.8658459	0.1859469	3	0.9765182
ENSG00000187288	3	CIDEC	9908398	rs279558	3	9932337	C	G	0.690855	0.00074826	0.00838728	0.928912	-0.619794	0.0985015	3.13E-10	-0.0012073	0.0135337	0.9289194	0.5989436	16	0.99131001
ENSG00000240288	3	GHRLOS	10327438	rs35681	3	10329377	C	T	0.539761	0.00454654	0.00810796	0.574967	0.442348	0.0698767	2.45E-10	0.0102782	0.0184011	0.5764599	0.8788538	20	0.89639273
ENSG00000144559	3	TAMM41	11831916	rs6769791	3	11876307	T	C	0.431412	-0.0026448	0.00806244	0.742884	-0.280085	0.0448154	4.11E-10	0.00944274	0.0288253	0.7432255	0.1688096	16	0.93605801
ENSG00000075975	3	MKRN2	12598513	rs11708716	3	12700211	C	A	0.0785288	-0.005783	0.0167771	0.730323	0.912998	0.118752	1.49E-14	-0.0063341	0.0183943	0.730583	0.4031428	13	0.93605801
ENSG00000233121	3	VN1R20P	13968310	rs12630468	3	13928145	T	G	0.67992	0.00564243	0.00848218	0.505917	0.428154	0.0582582	1.99E-13	0.0131785	0.019892	0.5076498	0.8881913	6	0.87041275
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.882277	0.0730939	1.51E-33	0.00554963	0.00930554	0.5509222	0.3654194	20	0.88409326
ENSG00000131379	3	C3orf20	14716606	rs4684237	3	14710588	T	C	0.217694	0.00452967	0.00875492	0.604887	-0.800599	0.108351	1.48E-13	-0.0056579	0.0109622	0.6057693	0.5706622	7	0.90994771
ENSG00000271964	3	RP11-415F23.2	16355946	rs859703	3	16303839	A	G	0.431412	-0.0133626	0.00824069	0.104903	0.529829	0.0778218	9.88E-12	-0.0252206	0.0159886	0.1147	0.7139928	15	0.60439303
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	0.851759	0.0630273	1.29E-41	-0.0007474	0.0097834	0.9391074	8.23E-05	20	0.99132464
ENSG00000170275	3	CRTAP	33155471	rs6798429	3	33240980	T	C	0.854871	-0.0033947	0.0148686	0.819403	0.318313	0.0494357	1.20E-10	-0.0106647	0.04674	0.8195141	0.608666	15	0.95828989
ENSG00000271324	3	RP11-10C24.2	33835136	rs4678619	3	33909611	T	C	0.232604	-0.0183977	0.0094751	0.0521747	0.57843	0.10559	4.30E-08	-0.0318063	0.0173793	0.067231	0.8384025	3	0.53758036
ENSG00000271643	3	RP11-10C24.3	33837180	rs1141054	3	33840114	C	T	0.235586	-0.0183752	0.00945181	0.0518848	0.671793	0.102068	4.65E-11	-0.0273525	0.0146704	0.06225701	0.7223139	5	0.53416173
ENSG00000170248	3	PDCD6IP	33839844	rs12488167	3	33904933	C	T	0.234592	-0.0184161	0.00947426	0.0519194	0.305923	0.0489378	4.07E-10	-0.0601985	0.0324321	0.06343348	0.8042332	9	0.53537857
ENSG00000093167	3	LRRFIP2	37094117	rs11712979	3	37195495	T	C	0.437376	-0.0062535	0.00834428	0.453594	0.24317	0.0435581	2.37E-08	-0.0257166	0.0346224	0.4576187	0.4695429	5	0.85502448
ENSG00000136059	3	VILL	38029550	rs9872804	3	38033462	T	C	0.187873	0.00578061	0.011068	0.601474	-0.54697	0.0616268	6.96E-19	-0.0105684	0.0202701	0.6021025	0.5199777	11	0.90798731
ENSG00000157036	3	EXOG	38537618	rs17037804	3	38559215	G	A	0.248509	0.00847837	0.00906402	0.349588	0.39759	0.067162	3.22E-09	0.0213244	0.0230802	0.3555254	0.9058568	8	0.81071725
ENSG00000168356	3	SCN11A	38887260	rs9809104	3	39146429	C	T	0.219682	0.018627	0.011666	0.110333	0.515525	0.0785443	5.26E-11	0.0361321	0.0232893	0.1207953	0.03240781	20	0.6117074
ENSG00000168028	3	RPSA	39448180	rs116547500	3	39429895	C	G	0.027833	-0.0166288	0.0332055	0.616523	-0.486292	0.0840307	7.16E-09	0.0341951	0.0685382	0.6178358	0.9218107	5	0.91376183
ENSG00000223797	3	ENTPD3-AS1	40355293	rs6801859	3	40493218	T	G	0.688867	0.00940728	0.00834579	0.259662	-0.34502	0.0483639	9.76E-13	-0.0272659	0.0244894	0.2655469	0.6899305	20	0.75169485
ENSG00000168032	3	ENTPD3	40428647	rs4974023	3	40308648	C	T	0.341948	-0.0143161	0.0083014	0.0846097	-0.22496	0.032656	5.63E-12	0.0636384	0.0380404	0.09434386	0.4213707	15	0.58663716
ENSG00000168038	3	ULK4	41288090	rs11717170	3	42002811	C	G	0.809145	-0.0057485	0.0100332	0.566681	-0.907359	0.0863896	8.36E-26	0.00633536	0.011074	0.5672595	0.4322247	6	0.89233415
ENSG00000093183	3	SEC22C	42589461	rs36043081	3	42619261	C	A	0.11332	0.00274436	0.0132602	0.83604	0.572679	0.0801333	8.90E-13	0.00479214	0.0231644	0.8361071	0.9992878	9	0.96327684
ENSG00000230084	3	RP4-613B23.1	42643455	rs33984028	3	42622781	T	C	0.140159	0.00248904	0.0127018	0.844642	0.854495	0.0921071	1.74E-20	0.00291288	0.014868	0.844676	0.2508405	16	0.96612574
ENSG00000181061	3	HIGD1A	42798669	rs112042968	3	42860158	G	A	0.217694	0.0273547	0.00915005	0.0027937	-0.342304	0.0443776	1.22E-14	-0.0799135	0.0286683	0.00531126	0.7650061	11	0.25561277
ENSG00000144647	3	POMGNT2	43120724	rs4683356	3	43153419	C	T	0.464215	-0.0014486	0.00826983	0.860948	0.391678	0.0430813	9.76E-20	-0.0036985	0.0211178	0.8609741	0.06284241	20	0.9749492
ENSG00000144792	3	ZNF660	44619715	rs939649	3	44632212	T	G	0.899602	0.00131379	0.0142605	0.926596	-0.953818	0.0892647	1.19E-26	-0.0013774	0.0149515	0.9265991	0.6231886	20	0.9909256
ENSG00000011376	3	LARS2	45429998	rs3821895	3	45587983	G	A	0.333002	-0.0074022	0.0096328	0.442229	-0.544214	0.0500388	1.50E-27	0.0136016	0.0177445	0.443364	0.1537984	20	0.85502448
ENSG00000144791	3	LIMD1	45596886	rs36136468	3	45677782	A	G	0.22664	-0.004521	0.00941497	0.631092	0.560601	0.0649684	6.20E-18	-0.0080645	0.0168204	0.6316202	0.6846806	17	0.91762424
ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.821903	0.0757766	2.07E-27	-0.0257768	0.0108582	0.01759959	0.5316364	15	0.34868323
ENSG00000188086	3	PRSS45	46783582	rs57268847	3	46794745	T	A	0.149105	-0.0097795	0.0102912	0.341973	0.818652	0.101173	5.89E-16	-0.0119458	0.0126573	0.3452775	0.5689701	20	0.80709253
ENSG00000114650	3	SCAP	47455203	rs114188879	3	46910778	C	T	0.0238569	0.0210564	0.0280723	0.453208	0.848224	0.155112	4.54E-08	0.0248241	0.0334053	0.4574093	0.09726912	5	0.85502448
ENSG00000164048	3	ZNF589	48282590	rs6806112	3	48276077	T	A	0.328032	-0.0243577	0.00960392	0.0112052	0.433564	0.0680349	1.86E-10	-0.0561802	0.0238409	0.01845006	0.2458323	5	0.35177373
ENSG00000232112	3	TMA7	48481667	rs13069724	3	48478039	C	T	0.537773	-0.0012973	0.00821852	0.874579	0.248248	0.029918	1.06E-16	-0.0052256	0.0331121	0.8746017	0.1216738	14	0.977264
ENSG00000213689	3	TREX1	48506445	rs7635522	3	48423656	G	T	0.466203	0.00238752	0.00821128	0.771234	-0.341505	0.0473876	5.74E-13	-0.0069912	0.024064	0.7714149	0.08438598	17	0.94267496
ENSG00000213672	3	NCKIPSD	48701364	rs6792510	3	48723302	C	G	0.647117	-0.0282879	0.00849467	0.00086822	0.332777	0.0341453	1.92E-22	-0.0850056	0.0269756	0.00162601	0.03197906	20	0.19685577
ENSG00000178252	3	WDR6	49044495	rs7626445	3	49114544	T	C	0.659046	-0.0287925	0.00854057	0.00074826	-0.322938	0.0448987	6.36E-13	0.089158	0.0292074	0.00226882	0.00110163	13	0.21373776
ENSG00000233276	3	GPX1	49394609	rs9842132	3	49427933	A	G	0.23161	0.0169178	0.0100805	0.0932932	0.359225	0.04519	1.88E-15	0.0470953	0.0286804	0.100575	0.04126481	20	0.59734669
ENSG00000145020	3	AMT	49454211	rs4855869	3	49488984	C	T	0.767396	-0.0169908	0.0100587	0.0911885	0.405474	0.0487967	9.61E-17	-0.0419035	0.0253146	0.0978618	0.01174914	20	0.59734669
ENSG00000164068	3	RNF123	49726932	rs9871654	3	49825370	C	T	0.473161	0.0194208	0.00841808	0.0210528	0.180135	0.025572	1.86E-12	0.107812	0.0491745	0.02834722	0.04074644	14	0.41536552
ENSG00000173540	3	GMPPB	49754277	rs62262722	3	49769419	C	G	0.16004	0.0237903	0.0130644	0.0686072	0.803355	0.0847861	2.67E-21	0.0296137	0.0165599	0.0737316	4.11E-05	19	0.54762401
ENSG00000164078	3	MST1R	49924435	rs11130227	3	49993319	G	A	0.519881	0.00076936	0.00808766	0.924213	0.42214	0.0663444	1.98E-10	0.00182253	0.0191609	0.9242216	0.05715969	10	0.99060699
ENSG00000004534	3	RBM6	49977440	rs4688755	3	50064424	A	G	0.478131	-0.0013272	0.00807174	0.869392	0.429335	0.0393298	9.64E-28	-0.0030914	0.0188027	0.869407	0.01409192	20	0.9765182
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.462138	0.0580962	1.80E-15	0.0262378	0.0179533	0.1438925	0.00198798	13	0.63428936
ENSG00000164088	3	PPM1M	52279841	rs114645176	3	52279951	G	T	0.104374	0.00745371	0.0166427	0.654249	0.516672	0.0691299	7.78E-14	0.0144264	0.0322691	0.6548284	0.02867871	12	0.92487808
ENSG00000114841	3	DNAH1	52350335	rs11718125	3	52379420	C	T	0.164016	-0.0096526	0.0135379	0.475839	-0.257002	0.0459708	2.26E-08	0.0375586	0.0531029	0.4793928	0.5487858	5	0.85676979
ENSG00000055955	3	ITIH4	52846991	rs7638524	3	52874861	A	G	0.265408	-0.038318	0.00915823	2.86E-05	0.659438	0.0660636	1.83E-23	-0.0581071	0.0150586	0.00011398	0.05221863	20	0.10369395
ENSG00000242142	3	SERBP1P3	53098299	rs2564921	3	53125585	C	T	0.597416	0.00348168	0.00815815	0.669544	0.811459	0.0573534	1.91E-45	0.00429064	0.0100583	0.6696858	4.29E-06	20	0.93003269
ENSG00000163933	3	RFT1	53122499	rs2336723	3	53106047	C	T	0.59841	0.00298918	0.00816071	0.714149	-0.828991	0.074855	1.67E-28	-0.0036058	0.00984953	0.7142986	2.69E-05	20	0.93605801
ENSG00000016391	3	CHDH	53846362	rs9001	3	53857917	G	T	0.100398	0.0367504	0.0117683	0.00179122	0.393918	0.0694116	1.39E-08	0.0932945	0.0340993	0.00621981	0.03686534	9	0.27150615
ENSG00000113812	3	ACTR8	53901093	rs4687761	3	53939351	G	A	0.317097	0.00565042	0.00893285	0.527032	-0.408018	0.056317	4.32E-13	-0.0138485	0.0219766	0.5285985	0.113358	19	0.87447889
ENSG00000180376	3	CCDC66	56591189	rs73079891	3	56591178	G	A	0.477137	0.00020758	0.00816348	0.979714	0.402684	0.054907	2.24E-13	0.00051549	0.0202728	0.9797137	0.6510647	20	0.99662399
ENSG00000168297	3	PXK	58318607	rs6789547	3	58426047	T	C	0.15507	-0.0005225	0.0107582	0.961265	0.309612	0.0504894	8.67E-10	-0.0016875	0.0347485	0.9612665	0.7904137	5	0.99132464
ENSG00000168291	3	PDHB	58413357	rs4681856	3	58461216	T	A	0.190855	0.00020471	0.00914925	0.982149	-0.312479	0.0486989	1.39E-10	-0.0006551	0.0292797	0.9821494	0.9827986	18	0.99662399
ENSG00000242428	3	RP11-147N17.1	58810163	rs2037165	3	58825127	A	G	0.274354	-0.0197563	0.00914681	0.0307794	0.612795	0.0583655	8.70E-26	-0.0322397	0.015239	0.03437814	0.4791136	17	0.45050335
ENSG00000163634	3	THOC7	63819546	rs832190	3	63842629	T	C	0.60338	0.00819559	0.0083862	0.328435	0.343262	0.0461616	1.04E-13	0.0238756	0.024641	0.3325756	0.9731722	20	0.79742559
ENSG00000144741	3	SLC25A26	66119285	rs146159281	3	66287056	A	G	0.341948	-0.0119615	0.00811514	0.140489	-0.710151	0.0573214	3.00E-35	0.0168436	0.0115079	0.1432894	0.7226536	20	0.63428936
ENSG00000144746	3	ARL6IP5	69134095	rs7039	3	69154343	G	C	0.510934	0.00875843	0.00808718	0.278808	-0.290513	0.0347963	6.89E-17	-0.0301482	0.0280708	0.2828211	0.1488035	10	0.75886819
ENSG00000170837	3	GPR27	71803201	rs116310555	3	71814431	C	T	0.106362	0.0319345	0.0116978	0.00633417	0.475877	0.0802143	2.98E-09	0.0671066	0.0270593	0.01313876	0.3851712	7	0.3408539
ENSG00000172986	3	GXYLT2	72937224	rs1108154	3	73024609	T	A	0.590457	-0.0032441	0.00858514	0.705521	0.574736	0.0648853	8.17E-19	-0.0056446	0.0149511	0.705776	0.3868636	19	0.93460877
ENSG00000113805	3	CNTN3	74311719	rs6549655	3	74794099	A	G	0.533797	0.00971442	0.00821702	0.237114	-0.390648	0.0515333	3.44E-14	-0.0248675	0.0212886	0.2427619	0.5701286	18	0.73372296
ENSG00000244026	3	FAM86DP	75470703	rs151208235	3	75400034	G	C	0.0457256	-0.0129437	0.0163504	0.428569	-1.41774	0.152942	1.86E-20	0.00912981	0.0115747	0.4302446	0.8101131	9	0.85492516
ENSG00000272690	3	RP11-803B1.8	75484499	rs151208235	3	75400034	G	C	0.0457256	-0.0129437	0.0163504	0.428569	-1.1006	0.143578	1.78E-14	0.0117606	0.0149349	0.4310149	0.8041349	9	0.85492516
ENSG00000243422	3	RP11-413E6.1	75673837	rs62266791	3	75854662	A	G	0.16998	0.010216	0.00950777	0.282603	-0.784908	0.103591	3.54E-14	-0.0130155	0.0122344	0.2873985	0.376044	12	0.76026288
ENSG00000227124	3	ZNF717	75758794	rs4974345	3	75862368	G	A	0.418489	-0.0118197	0.0081065	0.144826	-0.52647	0.0842444	4.12E-10	0.0224509	0.0158114	0.1556317	0.5198026	17	0.64842413
ENSG00000239519	3	CADM2-AS1	86041333	rs13083257	3	86042815	C	G	0.412525	0.00281433	0.00827695	0.733841	0.79337	0.0989514	1.08E-15	0.00354731	0.010442	0.7340713	0.4831343	20	0.93605801
ENSG00000163320	3	CGGBP1	88101094	rs8274	3	88107179	C	T	0.12326	0.00916312	0.0110021	0.404928	0.340735	0.0465823	2.58E-13	0.0268922	0.0324979	0.4079508	0.5914626	7	0.83733092
ENSG00000178750	3	STX19	93733213	rs10934674	3	93812793	T	G	0.232604	0.00503728	0.00889513	0.571192	0.780594	0.124142	3.22E-10	0.00645314	0.0114415	0.5727448	0.954937	10	0.89520588
ENSG00000231861	3	OR5K2	98216448	rs73144159	3	98245688	G	A	0.11332	-0.0257305	0.0138554	0.0633024	0.724033	0.118281	9.28E-10	-0.0355377	0.0199977	0.07555302	0.2567133	4	0.54873624
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.627046	0.0757934	1.31E-16	0.00730476	0.0129337	0.5722194	0.7891384	13	0.89520588
ENSG00000114021	3	NIT2	100053545	rs756103	3	100131976	G	C	0.333002	-0.0063917	0.00860209	0.457456	-0.275718	0.0398382	4.49E-12	0.0231821	0.0313782	0.4600303	0.789174	11	0.85502448
ENSG00000206535	3	LNP1	100120037	rs1036769	3	100122081	T	C	0.677932	0.00171276	0.00842763	0.838954	-0.2972	0.0399706	1.04E-13	-0.005763	0.0283674	0.8390134	0.8436301	6	0.96352591
ENSG00000114354	3	TFG	100428205	rs7617184	3	100458260	A	G	0.37674	0.0115558	0.00831383	0.164544	0.359696	0.0497667	4.91E-13	0.0321266	0.023537	0.1722724	0.5493409	9	0.65919056
ENSG00000154175	3	ABI3BP	100468000	rs28605965	3	100619961	C	T	0.322068	-0.0018194	0.0105953	0.863659	0.383003	0.061303	4.17E-10	-0.0047504	0.0276742	0.8637097	0.3166686	16	0.97630043
ENSG00000256628	3	ZBTB11-AS1	101395274	rs6791696	3	101409096	G	A	0.40159	0.0126341	0.00825896	0.126079	-0.51764	0.0741514	2.93E-12	-0.0244071	0.0163336	0.1351005	0.4355679	20	0.61985195
ENSG00000244119	3	PDCL3P4	101431316	rs34883763	3	101419783	A	G	0.328032	-0.0062377	0.00837478	0.456378	0.632274	0.0573893	3.15E-28	-0.0098656	0.0132757	0.4574049	0.02607745	20	0.85502448
ENSG00000273125	3	RP11-115H18.1	107149777	rs6778790	3	107184851	A	C	0.277336	0.00049142	0.00930055	0.957861	0.591209	0.0790562	7.53E-14	0.00083121	0.0157318	0.9578622	0.8460213	8	0.99132464
ENSG00000121570	3	DPPA4	109044988	rs7619282	3	109055908	C	T	0.482107	0.00233013	0.00811675	0.774054	-0.472276	0.0710985	3.08E-11	-0.0049338	0.0172025	0.7742586	0.3433516	17	0.94408015
ENSG00000177707	3	PVRL3	110788918	rs59618276	3	110649218	T	C	0.0467197	0.025526	0.0214913	0.234938	0.815049	0.107823	4.06E-14	0.0313184	0.0266916	0.2406592	0.7771328	13	0.73372296
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.739499	0.0857301	6.36E-18	-0.0111764	0.0110043	0.309799	0.9939691	13	0.77648702
ENSG00000243795	3	RP11-572M11.3	112861197	rs2700198	3	112827385	C	T	0.389662	0.00822496	0.00808116	0.308776	0.606521	0.0826296	2.13E-13	0.0135609	0.0134513	0.3133829	0.9822921	5	0.78098967
ENSG00000163389	3	POGLUT1	119187785	rs116524207	3	119206620	T	C	0.0725646	-0.0310745	0.0161451	0.0542663	0.902935	0.121875	1.28E-13	-0.034415	0.0184742	0.06248131	0.2073166	11	0.53416173

ENSG00000138495	3	COX17	119373360	rs6786295	3	119393010	A	G	0.191849	0.00460299	0.00962242	0.632394	0.278802	0.0501239	2.66E-08	0.0165099	0.0346409	0.6336458	0.3186093	3	0.91773611
ENSG00000173226	3	IQCB1	121488610	rs76808446	3	121527107	T	A	0.125249	-0.0116773	0.0125605	0.352532	1.05371	0.10711	7.75E-23	-0.0110821	0.0119734	0.3546744	0.8426454	20	0.81071725
ENSG00000196981	3	WDR5B	122130715	rs9811446	3	122067691	G	A	0.594433	0.0080931	0.00836382	0.333228	0.339816	0.0514729	4.06E-11	0.0238161	0.0248758	0.338364	0.9073986	20	0.80098883
ENSG00000114030	3	KPNA1	122140796	rs6438737	3	122228974	T	C	0.405567	0.00831083	0.00806902	0.303025	0.248825	0.0386633	1.23E-10	0.0334003	0.0328412	0.3091412	0.9675819	14	0.77648702
ENSG00000138463	3	DIRC2	122513642	rs2288677	3	122598291	G	A	0.285288	-0.0080089	0.00851591	0.346981	0.296954	0.0477899	5.17E-10	-0.0269701	0.0290041	0.3524375	0.4806843	6	0.81071725
ENSG00000144909	3	OSBPL11	125247702	rs2976769	3	125433307	G	A	0.16501	0.00326799	0.0139756	0.815113	0.429405	0.068052	2.79E-10	0.00761051	0.0325688	0.8152373	0.2795275	13	0.9575465
ENSG00000243429	3	OR7E29P	125430983	rs11922736	3	125399127	C	T	0.576541	0.00446921	0.00882295	0.612474	-0.476055	0.0833239	1.11E-08	-0.009388	0.0186062	0.6138647	0.1862524	5	0.91218383
ENSG00000241288	3	RP11-379B18.5	125546081	rs11721242	3	125578642	T	C	0.161034	0.0125641	0.00956112	0.188817	0.434425	0.0578294	5.82E-14	0.0289212	0.0223429	0.1955179	0.6806752	15	0.68910262
ENSG00000241278	3	ENPP7P4	125567066	rs28410080	3	125630331	G	A	0.0308151	-0.0297303	0.0228946	0.19409	0.664099	0.116811	1.31E-08	-0.0447679	0.0353626	0.2055244	0.5574043	6	0.70128891
ENSG00000171084	3	FAM86JP	125635463	rs13325495	3	125637416	G	T	0.167992	-0.0178737	0.0141986	0.20809	1.24281	0.0948248	3.03E-39	-0.0143817	0.0114772	0.2101807	0.1577931	20	0.70128891
ENSG00000189366	3	ALG1L	125648118	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.948171	0.086461	5.54E-28	-0.0181647	0.0094483	0.05453878	0.5808824	20	0.52780415
ENSG00000241439	3	RP11-666A20.3	125677399	rs10934733	3	125671342	C	A	0.352883	0.0112816	0.0083189	0.175053	-0.675244	0.0911	1.24E-13	-0.0167074	0.0125244	0.182205	0.4076505	19	0.66437653
ENSG00000114547	3	ROPN1B	125687987	rs4234268	3	125767236	A	G	0.372763	-0.0078865	0.00808541	0.329362	0.667876	0.0647129	5.69E-25	-0.0118083	0.0121601	0.331512	0.6533228	20	0.79608155
ENSG00000114544	3	SLC41A3	125725198	rs1112001	3	125758232	C	A	0.341948	-0.0098377	0.00944763	0.297744	0.292973	0.0509431	8.87E-09	-0.0335788	0.0327718	0.3055404	0.6732703	4	0.77648702
ENSG00000070476	3	ZXDC	126156444	rs12957	3	126170695	G	T	0.622266	0.00776475	0.00821966	0.344834	0.545082	0.060096	1.19E-19	0.0142451	0.0151612	0.3474362	0.1249547	19	0.80796148
ENSG00000180767	3	CHST13	126243126	rs1056522	3	126261345	A	G	0.299205	-0.0053889	0.00862905	0.532293	-0.57094	0.096951	3.89E-09	0.00943868	0.0151985	0.534582	0.804812	14	0.87447889
ENSG00000261159	3	RP11-723O4.9	128578559	rs789213	3	128616359	G	C	0.187873	-0.0109495	0.010457	0.295056	0.592962	0.0827894	7.93E-13	-0.0184658	0.0178227	0.300163	0.9748755	8	0.77272183
ENSG00000231305	3	RP11-723O4.2	128580156	rs2933343	3	128658492	A	G	0.188867	-0.0119092	0.0104693	0.255313	0.613913	0.102699	2.26E-09	-0.0193988	0.0173594	0.2637882	0.678263	6	0.75123751
ENSG00000177646	3	ACAD9	128598439	rs62265306	3	128661019	A	G	0.0178926	0.00759799	0.0204439	0.710153	1.58853	0.246623	1.19E-10	0.00478303	0.0128911	0.7106125	0.9388554	9	0.93556097
ENSG00000172780	3	RAB43	128806412	rs9289337	3	128784757	G	C	0.988072	-0.0182176	0.0262908	0.488357	-0.781157	0.13652	1.05E-08	0.0233213	0.0339021	0.4915151	0.7056784	7	0.86532344
ENSG00000270773	3	RP13-685P2.7	129064254	rs7374197	3	129060011	G	A	0.581511	-0.0157677	0.00837766	0.0598205	0.644558	0.0847683	2.88E-14	-0.0244628	0.0133898	0.06770323	0.2717205	3	0.53758036
ENSG00000251474	3	RPL32P3	129101765	rs4429625	3	129139320	G	A	0.161034	0.0180009	0.0153793	0.241813	0.36576	0.0587242	4.71E-10	0.0492151	0.0427835	0.2500091	0.9630734	6	0.73968148
ENSG00000163913	3	IFT122	129158968	rs12631122	3	129119518	G	A	0.168986	0.0202512	0.0152781	0.185003	-0.346673	0.0405918	1.34E-17	-0.0584159	0.0445983	0.1902555	0.7197582	20	0.68016636
ENSG00000251287	3	ALG1L2	129800674	rs7428327	3	129826031	T	C	0.493042	-0.0131411	0.00808644	0.104144	-0.458612	0.0615093	8.92E-14	0.0286541	0.0180464	0.1123312	0.6270475	14	0.60439303
ENSG00000253540	3	FAM86HP	129817935	rs7616082	3	129820737	C	T	0.383698	-0.005894	0.0082162	0.473147	-0.49414	0.0624325	2.48E-15	0.0119279	0.0166954	0.4749561	0.07637718	13	0.85676979
ENSG00000249846	3	RP11-77P16.4	129831393	rs56218598	3	129823899	A	G	0.417495	-0.0110065	0.00827733	0.183613	0.675767	0.0737172	4.86E-20	-0.0162874	0.012377	0.1881928	0.1801903	20	0.67839432
ENSG00000228252	3	COL6A4P2	129931666	rs112987689	3	129824001	T	C	0.475149	-0.0122547	0.00809346	0.12999	-1.08375	0.0834759	1.53E-38	0.0113077	0.00751863	0.132593	0.1774854	20	0.61757097
ENSG00000014257	3	ACPP	132036211	rs144788163	3	132046175	C	T	0.0467197	-0.0166712	0.0131463	0.204752	1.65403	0.179804	3.61E-20	-0.0100791	0.00802321	0.209026	0.9400455	4	0.70128891
ENSG00000113971	3	NPHP3	132276986	rs66564593	3	132436967	G	A	0.21173	-0.001187	0.00997949	0.905317	-0.806944	0.0660597	2.57E-34	0.00147103	0.0123676	0.9053211	0.8413307	10	0.98799482
ENSG00000260633	3	RP11-375I20.6	134066130	rs1111516	3	134070204	G	A	0.60338	-0.0050459	0.00826866	0.541701	-0.642307	0.077789	1.49E-16	0.00785589	0.0129085	0.5428009	0.34656	8	0.88006291
ENSG00000182923	3	CEP63	134204585	rs9851441	3	134315091	A	C	0.688867	1.65E-05	0.00901487	0.998539	0.396077	0.0690339	9.61E-09	4.17E-05	0.0227604	0.9985386	0.3915856	5	0.9985386
ENSG00000114054	3	PCCB	135969148	rs698269	3	136110506	G	C	0.447316	-0.0135314	0.00805807	0.0931065	0.364278	0.0487022	7.45E-14	-0.0371458	0.0226713	0.1013274	0.3085502	20	0.59734669
ENSG00000273486	3	RP11-731C17.2	136556180	rs35339486	3	136614239	T	C	0.658052	0.00144867	0.00869617	0.867694	0.568833	0.0807606	1.88E-12	0.00254674	0.015292	0.8677316	0.6214244	9	0.9765182
ENSG00000118017	3	A4GNT	137842560	rs2622722	3	137868003	A	G	0.680915	-0.0078656	0.00850439	0.355023	0.491343	0.0895953	4.16E-08	-0.0160085	0.0175529	0.3617623	0.5923355	6	0.81243949
ENSG00000158234	3	FAIM	138327448	rs811322	3	138329862	A	G	0.55666	-0.0128479	0.00872379	0.14082	0.319211	0.0487458	5.81E-11	-0.0402489	0.0280118	0.1507596	0.804416	15	0.64465192
ENSG00000175066	3	GK5	141882414	rs13073986	3	142352867	G	A	0.0119284	0.0966669	0.0723978	0.181805	0.834131	0.138337	1.64E-09	0.115889	0.0888968	0.1923567	0.4377579	3	0.68252125
ENSG00000152952	3	PLOD2	145787227	rs9874627	3	145772817	T	C	0.483101	-0.0030711	0.00821625	0.708569	-0.208893	0.0363955	9.49E-09	0.0147016	0.0394157	0.709156	0.444738	7	0.93547223
ENSG00000114744	3	COMMD2	149456257	rs10935774	3	149456926	G	A	0.468191	0.0149836	0.0081774	0.0669037	0.319664	0.0548107	5.47E-09	0.046873	0.026814	0.08045098	0.2899157	7	0.56458393
ENSG00000243321	3	snoU13	149795281	rs56198011	3	149797925	T	C	0.317097	0.0168637	0.00869025	0.0523142	-0.668013	0.0750546	5.57E-19	-0.0252446	0.0133147	0.05796137	0.2708124	5	0.52780415
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	0.729537	0.0552345	7.89E-40	-0.0184692	0.0151359	0.2223795	0.5608666	20	0.71746291
ENSG00000240137	3	RP11-103G8.2	150421351	rs7641475	3	150441924	C	T	0.357853	-0.0019981	0.0088839	0.822045	0.608169	0.0680385	3.94E-19	-0.0032855	0.0146122	0.8221001	0.3659386	8	0.95876638
ENSG00000243069	3	ARHGEF26-AS1	153742190	rs11914514	3	153746544	C	T	0.240557	-0.0136161	0.0090087	0.130677	0.353626	0.0490395	5.55E-13	-0.0385042	0.0260288	0.1390618	0.9636929	15	0.62518551
ENSG00000240875	3	LINC00886	156465135	rs62275807	3	156641796	A	G	0.115308	-0.0128597	0.0111173	0.247381	-0.564312	0.103411	4.84E-08	0.0227883	0.0201384	0.2578086	0.6133148	12	0.74496938
ENSG00000197980	3	LEKR1	156543270	rs344072	3	156546675	G	T	0.757455	0.00985039	0.00881142	0.263605	0.345769	0.0631348	4.33E-08	0.0284884	0.026009	0.2733739	0.6755372	4	0.75436188
ENSG00000244515	3	KRT18P34	156880452	rs62279635	3	156985708	A	G	0.277336	-0.0074797	0.00970377	0.440823	-0.5502	0.0697718	3.13E-15	0.0135945	0.0177209	0.4429939	0.06611513	16	0.85502448
ENSG00000241770	3	RP11-555M1.3	156881241	rs4680345	3	156892521	G	C	0.256461	-0.0165969	0.0106015	0.11746	-0.542308	0.0910466	2.58E-09	0.0306042	0.0202128	0.1300006	0.1008592	8	0.61757097
ENSG00000079257	3	LXN	158363611	rs7651847	3	158420588	C	T	0.384692	0.01408	0.00874168	0.10725	0.569111	0.0709305	1.03E-15	0.0247403	0.0156667	0.1142972	0.1498813	20	0.60439303
ENSG00000240207	3	RP11-379F4.4	158450052	rs62286618	3	158344430	A	G	0.383698	0.00313722	0.00821805	0.702648	0.467531	0.056836	1.94E-16	0.00671019	0.0175965	0.7029531	0.04967604	20	0.93402459
ENSG00000271778	3	RP11-379F4.8	158500336	rs1381462	3	158518963	C	T	0.183897	-0.0178445	0.0111628	0.109916	0.440322	0.0786906	2.20E-08	-0.040526	0.0263657	0.124275	0.04234839	7	0.61194908
ENSG00000272247	3	RP11-379F4.9	158519046	rs2244996	3	158519446	C	T	0.72167	-0.0201126	0.00842173	0.0169321	-0.738321	0.0946136	6.02E-15	0.027241	0.0119288	0.02239324	0.1083334	11	0.39594751
ENSG00000206120	3	EGFEM1P	167967310	rs567308	3	168553554	A	G	0.402584	0.00450379	0.00850016	0.596218	-0.56024	0.0688555	4.07E-16	-0.008039	0.0152045	0.5969943	0.7443487	16	0.90536031
ENSG00000171109	3	MFN1	179065480	rs34162409	3	179033543	C	A	0.350895	0.0236595	0.00911467	0.00943822	0.317448	0.0508011	4.14E-10	0.0745303	0.031091	0.01652252	0.00332623	5	0.34868323
ENSG00000114450	3	GNB4	179116990	rs9837231	3	179249836	C	T	0.644135	-0.008213	0.00878199	0.349679	0.297688	0.0484927	8.31E-10	-0.0275894	0.029841	0.3552023	0.163205	8	0.81071725
ENSG00000241231	3	RP11-275H4.1	181138846	rs6443742	3	181160258	G	A	0.687873	0.0257017	0.00867556	0.00305105	0.881739	0.0654597	2.35E-41	0.0291489	0.0100743	0.00381111	0.1407396	20	0.2393289
ENSG00000078070	3	MCCC1	182733006	rs10937109	3	182754574	G	A	0.9334	-0.0150091	0.0164171	0.360594	0.573496	0.0982644	5.34E-09	-0.0261712	0.0289755	0.3664086	0.6810951	7	0.81333811
ENSG00000240024	3	LINC00888	183165396	rs1134686	3	183182707	T	C	0.531809	-0.0073376	0.00832121	0.37789	0.294281	0.0429993	7.71E-12	-0.0249339	0.0285101	0.3818123	0.7218578	8	0.82180041
ENSG00000114796	3	KLHL24	183353356	rs9825728	3	183355958	A	C	0.263419	-0.0071721	0.00959789	0.454907	-0.294958	0.0499739	3.59E-09	0.0243157	0.0327996	0.4584866	0.7943298	5	0.85502448
ENSG00000233885	3	YEATS2-AS1	183524245	rs263028	3	183525519	A	G	0.469185	0.00406178	0.00840507	0.628915	0.478855	0.0506446	3.22E-21	0.00848228	0.0175753	0.629363	0.6948397	20	0.91709664
ENSG00000145198	3	VWA5B2	183948217	rs843352	3	183978846	A	G	0.222664	0.00802258	0.010495	0.444619	-0.401996	0.0626654	1.41E-10	-0.0199569	0.0262919	0.4478232	0.2042505	10	0.85502448
ENSG00000175166	3	PSMD2	184016497	rs55748802	3	184036894	T	C	0.470179	0.0100145	0.00814274	0.218745	-0.293949	0.0424587	4.42E-12	-0.0340688	0.0281349	0.2259298	0.4907479	3	0.72010858
ENSG00000272970	3	RP11-329B9.4	184451863	rs9813291	3	184440920	G	C	0.296223	0.00292602	0.00873662	0.73769	0.46005	0.0792097	6.32E-09	0.00636022	0.0190221	0.7381087	0.8443275	6	0.93605801
ENSG00000273403	3	RP11-329B9.3	184459725	rs9290797	3	184449884	C	T	0.5	0.00089292	0.00805684	0.911753	0.318447	0.0580435	4.10E-08	0.00280399	0.0253056	0.9117708	0.7190738	4	0.98830215
ENSG00000156931	3	VPS8	184529931	rs62286929	3	184524492	G	A	0.055666	0.00299175	0.0230759	0.896844	0.791388	0.114435	4.66E-12	0.00378038	0.0291639	0.8968628	0.3247487	20	0.9845666
ENSG00000127249	3	ATP13A4	193119866	rs412001	3	193277183	T	C	0.430417	0.00391372	0.00810913	0.629357	-0.182895	0.0323905	1.64E-08	-0.0213987	0.0444993	0.6306033	0.321984	5	0.91762424
ENSG00000225473	3	ATP13A4-AS1	193271002	rs951794	3	193230671	A	G	0.154076	0.0252753	0.011055	0.0222357	-0.879707	0.139214	2.63E-10	-0.0287315	0.0133639	0.03156094	0.3385977	10	0.44256713
ENSG00000230102	3	RP11-407B7.1	193723226	rs4687494	3	193728370	G	T	0.520875	0.0040165	0.00817629	0.623258	0.613986	0.0737435	8.36E-17	0.00654168	0.0133399	0.6238617	0.36144	17	0.91490418
ENSG00000231770	3	TMEM44-AS1	194304740	rs6779853	3	194308983	G	A	0.183897	-5.08E-05	0.0106133	0.996178	0.745762	0.0896802	9.11E-17	-6.82E-05	0.0142315	0.9961784	0.769406	9	0.99803567
ENSG00000041802	3	LSG1	194361517	rs3821403	3	194369580	A	C	0.163022	0.00854817	0.0109511	0.435053	0.988361	0.0745658	4.23E-40	0.00864883	0.0110993	0.4358464	0.4313302	13	0.85502448
ENSG00000173950	3	XXYLT1	194789008	rs55806011	3	194784419	G	C	0.112326	-0.024194	0.0122513	0.0482892	0.574705	0.094226	1.07E-09	-0.0420981	0.0224071	0.06027394	0.263534	20	0.52874239
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.594579	0.0578973	9.66E-25	0.0258714	0.0142002	0.06846973	0.03513528	20	0.53758036
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.919434	0.0831737	2.09E-28	0.00988522	0.00886553	0.264843	0.2171607	20	0.75169485
ENSG00000271662	3	RP11-141C7.3	195377017	rs79114865	3	195661441	A	C	0.16998	-0.004035	0.0118263	0.732963	-0.933089	0.12037	9.06E-15	0.00432431	0.0126866	0.7332119	0.3814213	20	0.93605801
ENSG00000229178	3	AC069513.4	195382436	rs6768928	3	195329888	G	A	0.328032	-0.0076577	0.00929046	0.409793	-0.787355	0.080593	1.52E-22	0.00972588	0.0118415	0.4114537	0.8769918	20	0.8407043
ENSG00000215837	3	SDHAP2	195384967	rs56401727	3	195636800	G	C	0.17495	-0.0045788	0.0118013	0.69802	-0.733059	0.0960824	2.36E-14	0.0062462	0.0161195	0.6983913	0.4620379	20	0.93344952
ENSG00000176945	3	MUC20	195447753	rs11926771	3	195656731	A	C	0.187873	0.00929126	0.0099394	0.349896	0.687479	0.0926032	1.14E-13	0.013515	0.0145719	0.353684	0.5907298	20	0.81071725
ENSG00000145113	3	MUC4	195473636	rs144465179	3	195668278	T	C	0.127237	0.00773175	0.0131275	0.555877	0.907011	0.138181	5.24E-11	0.00852443	0.0145315	0.5574611	0.9161095	20	0.88690277
ENSG00000231443	3	AC024937.6	195664114	rs9861325	3	195653873	T	A	0.127237	0.00337791	0.0125477	0.787773	0.591026	0.106781	3.11E-08	0.00571533	0.0212555	0.7880161	0.7855712	7	0.94647669
ENSG00000260261	3	RP11-480A16.1	195676059	rs9871344	3	195750016	A	T	0.34493	0.0121683	0.00837016	0.146008	0.316574	0.0553387	1.06E-08	0.0384375	0.0272802	0.1588391	0.765121	7	0.65108594
ENSG00000185485	3	SDHAP1	195686619	rs7627446	3	195477407	A	G	0.697813	0.00291293	0.00876864	0.73974	0.4935	0.0743749	3.24E-11	0.00590259	0.0177905	0.7400531	0.3722461	20	0.93605801
ENSG00000231464	3	AC024937.4	195723609	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.829515	0.100269	1.31E-16	0.0115211	0.00985733	0.2424896	0.903373	20	0.73372296
ENSG00000163959	3	SLC51A	195938358	rs60631199	3	195961254	T	C	0.204771	0.0203817	0.0100414	0.0423799	-0.581648	0.0826042	1.90E-12	-0.0350413	0.0179667	0.05113428	0.1910295	20	0.51871794
ENSG00000163964	3	PIGX	196366646	rs114705154	3	196437439	A	T	0.232604	-0.0121101	0.0109832	0.270201	0.29488	0.0490849	1.88E-09	-0.0410679	0.0378685	0.2781486	0.2594303	3	0.75436188
ENSG00000174007	3	CEP19	196433148	rs12637375	3	196453654	A	C	0.346918	0.0181328	0.00822957	0.0275683	-0.245192	0.0396439	6.22E-10	-0.0739535	0.0356301	0.03793171	0.09835743	7	0.45997648
ENSG00000230732	3	AC127904.2	196639821	rs7613138	3	196631138	A	G	0.709742	0.00966212	0.00929507	0.298577	0.4852	0.0870276	2.47E-08	0.0199137	0.0194873	0.3068383	0.3853918	3	0.77648702
ENSG00000119227	3	PIGZ	196673214	rs11922888	3	196675994	G	C	0.298211	-0.0098555	0.00953146	0.30114	0.810562	0.0611673	4.42E-40	-0.0121588	0.0117948	0.3026068	0.7473939	14	0.77300284
ENSG00000272989	3	RP13-616I3.1	197232133	rs35659266	3	197273882	C	A	0.275348	0.0149554	0.00884174	0.0907486	0.397844	0.0725013	4.08E-08	0.0375911	0.023256	0.1060065	0.5966181	7	0.59966108
ENSG00000214135	3	AC024560.3	197305084	rs73890770	3	197322742	C	T	0.112326	0.0270715	0.0145134	0.0621427	0.537447	0.0680351	2.80E-15	0.0503706	0.0277469	0.06946931	0.4400593	20	0.53758036
ENSG00000213519	3	AC132008.1	197307215	rs11558292	3	197348638	A	G	0.0785288	0.0217108	0.0203588	0.286239	-0.947314	0.151388	3.91E-10	-0.0229183	0.0218009	0.2931428	0.8249038	11	0.76742592
ENSG00000249626	3	RP11-496H1.1	197361186	rs200532897	3	197375970	T	C	0.251491	0.0104368	0.0099996	0.296616	-0.585115	0.0833087	2.16E-12	-0.0178372	0.0172776	0.3018919	0.761709	12	0.77272183
ENSG00000250312	4	ZNF718	124386	rs6841951	4	137407	A	G	0.54672	0.00988998	0.00811434	0.22291	-0.804754	0.0653506	7.58E-35	-0.0122894	0.0101323	0.2251677	0.579724	20	0.71895527
ENSG00000242686	4	RP11-1191J2.2	646639	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	-0.893047	0.0693076	5.45E-38	0.00898723	0.0123217	0.4657672	0.2292903	20	0.85502448
ENSG00000145217	4	SLC26A1	972861	rs4690163	4	975137	C	T	0.636183	0.00584715	0.00906377	0.518854	-0.532664	0.0735137	4.30E-13	-0.0109772	0.0170832	0.5205028	0.7027312	19	0.87041275
ENSG00000251639	4	RP11-20I20.1	1093804	rs13119696	4	1098797	C	G	0.889662	0.00374115	0.0127589	0.769355	-1.12144	0.150111	7.97E-14	-0.003336	0.011386	0.7695273	0.7710774	12	0.94219749
ENSG00000090316	4	MAEA	1283639	rs11721461	4	1324515	T	C	0.493042	-0.0033675	0.00806739	0.676369	0.202951	0.0353632	9.52E-09	-0.0165927	0.0398554	0.6771739	0.2138806	10	0.93020759
ENSG00000163945	4	UVSSA	1341054	rs113727613	4	1170587	G	A	0.0427435	-0.0202813	0.0240826	0.399701	1.03006	0.134854	2.20E-14	-0.0196894	0.0235215	0.4025457	0.6265813	11	0.83271709
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.69355	0.126971	1.39E-40	-0.0101351	0.0143285	0.4793564	0.524231	20	0.85676979
ENSG00000168884	4	TNIP2	2743375	rs34270938	4	2677148	G	A	0.0377734	0.0109817	0.0309113	0.722392	-0.335501	0.0591933	1.45E-08	-0.0327322	0.0923156	0.7229125	0.9788254	7	0.93605801
ENSG00000125388	4	GRK4	2965335	rs2960310	4	2986671	G	C	0.377734	0.00598753	0.00814222	0.462116	-0.395705	0.0648426	1.04E-09	-0.0151313	0.0207253	0.4653372	0.348563	8	0.85502448
ENSG00000159788	4	RGS12	3294755	rs4690098	4	3447156	T	C	0.234592	0.0006643	0.00919781	0.942423	-0.389486	0.0684586	1.28E-08	-0.0017056	0.0236172	0.9424282	0.8952027	11	0.99132464
ENSG00000261643	4	RP11-529E10.6	3505324	rs10012014	4	3534578	C	G	0.560636	0.00658162	0.00841779	0.434291	-0.386683	0.0586681	4.37E-11	-0.0170207	0.0219219	0.4374973	0.3747727	15	0.85502448
ENSG00000163956	4	LRPAP1	3508103	rs1741547	4	3521939	A	T	0.284294	-0.0041484	0.00928363	0.654986	0.215089	0.0360052	2.32E-09	-0.0192867	0.0432824	0.6558856	0.806588	7	0.92532717
ENSG00000250476	4	ENPP7P9	3968761	rs67338014	4	3963027	A	T	0.326044	-0.0022562	0.00832446	0.78637	0.581529	0.0992701	4.68E-09	-0.0038797	0.0143301	0.7865933	0.957273	18	0.94647669
ENSG00000132406	4	TMEM128	4237269	rs2916466	4	4249483	T	C	0.827038	-0.0062208	0.0119414	0.602404	0.399372	0.0716848	2.53E-08	-0.0155766	0.0300309	0.6039807	0.3084906	7	0.90860489
ENSG00000251580	4	RP11-539L10.3	6672452	rs4689499	4	6664416	A	G	0.466203	0.00223537	0.00810065	0.782588	0.476623	0.0638958	8.69E-14	0.00469002	0.0170076	0.7827318	0.2385452	11	0.94647669
ENSG00000246526	4	RP11-539L10.2	6689175	rs56350728	4	6666777	C	G	0.467197	0.00256985	0.00810161	0.75109	0.458436	0.0763504	1.92E-09	0.00560569	0.0176969	0.7514252	0.139121	11	0.93854016
ENSG00000245468	4	RP11-367J11.3	7096298	rs12649919	4	7086275	A	G	0.139165	0.00108944	0.0105347	0.917635	-0.673117	0.115889	6.31E-09	-0.0016185	0.0156531	0.9176471	0.5833426	10	0.98830215
ENSG00000251615	4	RP11-774O3.3	8356817	rs12508944	4	8363987	T	A	0.208748	0.00755851	0.010149	0.45642	0.394546	0.0681072	6.91E-09	0.0191575	0.0259349	0.4601045	0.5658273	10	0.85502448
ENSG00000155275	4	TRMT44	8437867	rs2688247	4	8442002	C	T	0.678926	-0.0045047	0.00823879	0.584542	-0.476678	0.054647	2.71E-18	0.00945011	0.0173177	0.5852781	0.2688159	20	0.89791817
ENSG00000205959	4	RP11-689P11.2	8483997	rs1543246	4	8504909	T	A	0.641153	0.00135686	0.00827715	0.869787	-0.431373	0.0452177	1.43E-21	-0.0031454	0.0191908	0.8698066	0.1779876	20	0.9765182
ENSG00000249767	4	ENPP7P10	9080749	rs1988623	4	9146453	C	T	0.267396	0.00148658	0.00918804	0.871467	-0.469823	0.0743991	2.70E-10	-0.0031641	0.0195628	0.871509	0.2623689	10	0.97674433
ENSG00000273133	4	RP11-799M12.2	15565321	rs1134634	4	15603069	C	G	0.610338	-0.0064485	0.00811791	0.426991	0.533744	0.0931031	9.88E-09	-0.0120816	0.0153547	0.4313793	0.3333653	3	0.85492516
ENSG00000237765	4	FAM200B	15683285	rs35120298	4	15611017	C	T	0.252485	-0.0069436	0.00990931	0.483479	-0.339071	0.0451259	5.74E-14	0.0204784	0.0293517	0.4853714	0.6232487	14	0.86080238
ENSG00000004468	4	CD38	15779898	rs4698413	4	15737882	T	C	0.562624	0.00235747	0.0081332	0.771925	-0.390971	0.0528258	1.35E-13	-0.0060298	0.0208185	0.772095	0.6980376	9	0.94277804
ENSG00000249506	4	ZEB2P1	16362309	rs7693598	4	16411631	C	A	0.26839	-0.0084888	0.00899422	0.34527	1.18648	0.0929708	2.68E-37	-0.0071546	0.00760129	0.3465852	0.5481446	18	0.80796148
ENSG00000118579	4	MED28	17616254	rs4334752	4	17615430	T	C	0.625249	-0.0063284	0.00853853	0.458596	0.365738	0.0633939	7.96E-09	-0.0173032	0.0235379	0.4622663	0.3228484	10	0.85502448
ENSG00000163138	4	PACRGL	20697905	rs1365580	4	20687802	T	G	0.121272	-0.0144188	0.0128878	0.263229	-0.868214	0.101438	1.14E-17	0.0166074	0.0149703	0.2672761	0.127895	19	0.75271127
ENSG00000053900	4	ANAPC4	25378835	rs9654100	4	25397695	T	G	0.550696	0.0118828	0.00829953	0.152217	-0.476686	0.0480079	3.10E-23	-0.0249279	0.017591	0.1564573	0.4780252	20	0.64842413
ENSG00000091490	4	SEL1L3	25749055	rs6818008	4	25908919	G	A	0.601392	-0.0153628	0.00809125	0.057605	0.370158	0.0548507	1.49E-11	-0.0415034	0.0227076	0.06759007	0.59118	15	0.53758036
ENSG00000163394	4	CCKAR	26483022	rs2854038	4	26493209	G	A	0.228628	0.00064693	0.0111786	0.95385	-0.669979	0.096679	4.21E-12	-0.0009656	0.0166856	0.9538519	0.3280752	8	0.99132464
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.934843	0.0658442	9.45E-46	0.00240663	0.00874862	0.7832496	0.2780318	20	0.94647669
ENSG00000169299	4	PGM2	37828255	rs35282905	4	37821847	A	G	0.604374	0.00071029	0.00853622	0.933686	-0.497768	0.0445347	5.28E-29	-0.0014269	0.0171495	0.9336875	0.915414	20	0.99132464
ENSG00000231160	4	RP11-617D20.1	38614322	rs337625	4	38629653	T	C	0.126243	-0.016283	0.0116585	0.162513	-0.582374	0.0778661	7.48E-14	0.0279597	0.020365	0.1697741	0.7760989	5	0.65890878
ENSG00000197712	4	FAM114A1	38869298	rs10030125	4	38908643	A	G	0.38171	-0.0019772	0.0094117	0.833604	0.250681	0.0366641	8.07E-12	-0.0078874	0.0375622	0.8336809	0.3007204	19	0.96255193
ENSG00000163682	4	RPL9	39455744	rs2687969	4	39452499	C	T	0.67992	0.00028721	0.00844962	0.972885	-0.689475	0.0453571	3.48E-52	-0.0004166	0.0122552	0.9728848	0.620168	20	0.99559654
ENSG00000014824	4	SLC30A9	41992489	rs28403249	4	42099996	C	T	0.749503	0.00584403	0.00973941	0.54848	-0.259448	0.0348609	9.89E-14	-0.0225249	0.0376608	0.5497741	0.7725519	20	0.88397535
ENSG00000251350	4	RP11-328N19.1	44018878	rs10938321	4	44021711	A	G	0.178926	0.00015681	0.0100937	0.987605	0.623497	0.0831217	6.33E-14	0.00025151	0.0161889	0.9876047	0.4679508	11	0.99662399
ENSG00000177752	4	YIPF7	44624086	rs1595658	4	44622835	C	T	0.387674	-0.0008856	0.00851503	0.917171	0.592891	0.0869186	9.03E-12	-0.0014936	0.0143636	0.9171802	0.0780964	19	0.98830215
ENSG00000151806	4	GUF1	44680444	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	-0.739833	0.0672168	3.55E-28	0.0274777	0.0144996	0.05808407	0.6426795	20	0.52780415
ENSG00000163281	4	GNPDA2	44684217	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	0.515101	0.0575379	3.48E-19	-0.0394659	0.0209829	0.05999173	0.2806522	20	0.52874239
ENSG00000259959	4	RP11-121C2.2	47842139	rs11732840	4	47934824	A	C	0.790258	-0.0012203	0.0121342	0.919892	-0.413696	0.0721657	9.89E-09	0.00294982	0.0293357	0.9199045	0.08465087	8	0.98862402
ENSG00000170448	4	NFXL1	47849257	rs6826122	4	47916346	G	C	0.977137	-0.0956639	0.0387364	0.013526	-1.60638	0.194798	1.63E-16	0.0595525	0.0251722	0.01799121	0.6291874	10	0.34868323
ENSG00000163293	4	NIPAL1	47916159	rs98270	4	48019323	A	G	0.362823	0.00184459	0.00904027	0.838321	0.315598	0.0440951	8.23E-13	0.00584475	0.0286565	0.8383858	0.4575375	8	0.96350438
ENSG00000198515	4	CNGA1	47937994	rs7687363	4	47866743	T	C	0.751491	-0.0013755	0.010653	0.897263	-0.891928	0.100961	1.01E-18	0.00154219	0.0119451	0.8972733	0.89433	17	0.9845666
ENSG00000128039	4	SRD5A3	56212276	rs36110240	4	56217015	T	C	0.152087	0.00688796	0.0114885	0.548805	0.492509	0.075757	7.97E-11	0.0139854	0.0234255	0.5504946	0.1415498	4	0.88397535
ENSG00000128040	4	SPINK2	57676026	rs11941335	4	57689460	T	C	0.0129225	0.0163353	0.0341943	0.63285	1.23356	0.19469	2.36E-10	0.0132424	0.0277987	0.6338123	0.5782032	3	0.91773611
ENSG00000163453	4	IGFBP7	57896939	rs10015212	4	57950623	G	A	0.751491	-0.000566	0.00951259	0.952555	0.428827	0.0522094	2.15E-16	-0.0013199	0.0221834	0.9525559	0.268672	14	0.99132464
ENSG00000138744	4	NAAA	76831809	rs6816425	4	76983992	C	T	0.372763	0.0101757	0.00831784	0.221196	-0.433365	0.0537063	7.08E-16	-0.0234807	0.0194129	0.2264567	0.1052549	16	0.72023813
ENSG00000138750	4	NUP54	77035812	rs17001390	4	77024180	T	C	0.132207	-0.0077674	0.0121327	0.52204	0.451179	0.0679271	3.09E-11	-0.0172158	0.0270157	0.5239606	0.288808	10	0.87303227
ENSG00000189157	4	FAM47E	77135193	rs6823078	4	77196848	G	A	0.409543	-0.0022825	0.00812465	0.778757	-0.54545	0.0497391	5.55E-28	0.00418469	0.0149002	0.778827	0.573271	20	0.9451639
ENSG00000118804	4	FAM47E-STBD1	77172886	rs3817118	4	77199211	C	A	0.0765408	0.0115962	0.0122323	0.343128	-0.471758	0.0850162	2.87E-08	-0.0245808	0.0263049	0.3500668	0.7821594	4	0.8105058
ENSG00000138767	4	CNOT6L	78634541	rs6829203	4	78739891	T	C	0.870775	-0.0129272	0.0109246	0.236686	0.475096	0.0752736	2.76E-10	-0.0272097	0.0233951	0.2448103	0.3898418	16	0.7345302
ENSG00000138772	4	ANXA3	79472673	rs7683399	4	79510367	G	A	0.725646	-0.001587	0.0086808	0.854941	-0.348515	0.0562824	5.93E-10	0.00455363	0.0249188	0.855003	0.01409133	8	0.97220368
ENSG00000163291	4	PAQR3	79808281	rs6843690	4	79859469	T	A	0.869781	-0.0060371	0.0119332	0.612923	-0.407801	0.0512221	1.70E-15	0.014804	0.0293213	0.613637	0.4490659	9	0.91218383
ENSG00000251022	4	THAP9-AS1	83814162	rs2305876	4	83821324	G	A	0.244533	-0.0193563	0.00989471	0.0504382	-0.619559	0.056807	1.07E-27	0.0312421	0.0162254	0.05416699	0.7546338	19	0.52780415
ENSG00000145287	4	PLAC8	84011201	rs2903918	4	84157443	G	C	0.306163	0.0102418	0.00926714	0.269083	-0.473497	0.0726885	7.31E-11	-0.0216301	0.0198514	0.275888	0.5122184	14	0.75436188
ENSG00000163623	4	NKX6-1	85413140	rs7695490	4	85067162	A	G	0.413519	0.0182898	0.00869686	0.0354626	0.366428	0.0637563	9.07E-09	0.0499138	0.0252732	0.0482717	0.6690682	4	0.50256556
ENSG00000180769	4	WDFY3-AS2	85887538	rs6816534	4	85621772	A	G	0.308151	-0.0167541	0.00937083	0.0737921	0.186946	0.0332811	1.94E-08	-0.08962	0.0526037	0.08844063	0.5580844	6	0.57027956
ENSG00000273389	4	RP13-514E23.2	86921480	rs7688039	4	86900917	T	C	0.223658	0.00737753	0.00958504	0.441483	0.707704	0.101256	2.76E-12	0.0104246	0.0136257	0.4442317	0.87329	4	0.85502448
ENSG00000170509	4	HSD17B13	88224941	rs10433879	4	88231140	C	G	0.251491	-0.0050529	0.00972387	0.603319	0.721252	0.102441	1.91E-12	-0.0070057	0.0135186	0.6043012	0.884001	5	0.90860489
ENSG00000272856	4	RP11-710E1.2	88381959	rs7657140	4	88416545	G	A	0.124254	-8.87E-05	0.0132412	0.994656	-0.595663	0.105461	1.62E-08	0.00014888	0.0222294	0.9946563	0.4763065	6	0.99803567
ENSG00000152583	4	SPARCL1	88394487	rs12650133	4	88396024	A	G	0.12326	0.00347229	0.0133262	0.794431	-0.268571	0.0484248	2.92E-08	-0.0129288	0.0496736	0.7946524	0.5249489	5	0.947444
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	1.08285	0.083366	1.41E-38	-0.0125625	0.00762081	0.09926114	0.2388394	20	0.59734669

ENSG00000138722	4	MMRN1	90800683	rs76707913	4	90835226	C	T	0.0377734	0.00933161	0.0240819	0.69839	1.18897	0.174679	9.99E-12	0.00784848	0.0202872	0.6988537	0.9821957	20	0.93367326
ENSG00000109270	4	LAMTOR3	100799493	rs11945303	4	100810611	C	T	0.256461	0.00460177	0.00932008	0.621484	-0.261483	0.046132	1.44E-08	-0.0175987	0.0357781	0.6228005	0.7480656	5	0.91426882
ENSG00000254531	4	AP001816.1	102268937	rs2850328	4	102268940	C	T	0.292247	0.0191753	0.00825514	0.0201883	-0.344505	0.0412594	6.84E-17	-0.0556604	0.0248723	0.02523082	0.00566378	13	0.40738371
ENSG00000164039	4	BDH2	104000592	rs6830624	4	104020422	C	T	0.293241	-0.0016966	0.00962065	0.860019	0.273871	0.046719	4.57E-09	-0.0061949	0.0351443	0.8600809	0.4413736	5	0.97428635
ENSG00000138777	4	PPA2	106290234	rs12643660	4	106386760	G	T	0.363817	0.00611891	0.00818609	0.454776	-0.283545	0.0463608	9.59E-10	-0.02158	0.0290853	0.4581141	0.2701352	10	0.85502448
ENSG00000109534	4	GAR1	110736666	rs11937249	4	110755321	T	G	0.641153	-0.0107127	0.00819304	0.191029	0.488278	0.059643	2.69E-16	-0.0219398	0.0169921	0.196644	0.0463168	20	0.69018053
ENSG00000174749	4	C4orf32	113066553	rs4834241	4	113120268	C	T	0.300199	0.016001	0.00875851	0.0677127	-0.333107	0.0500739	2.89E-11	-0.0480356	0.0272669	0.07812287	0.6570022	17	0.55563794
ENSG00000138658	4	C4orf21	113460492	rs13146963	4	113558602	G	A	0.563618	0.012802	0.00806337	0.112359	-0.342565	0.0535124	1.54E-10	-0.037371	0.0242513	0.1233197	0.00754356	9	0.61194908
ENSG00000234841	4	RP11-119H12.4	113747463	rs7654314	4	113685804	T	C	0.331014	0.0192533	0.00860677	0.0252866	0.591252	0.107829	4.18E-08	0.0325636	0.0157217	0.03833482	0.1742213	7	0.46132968
ENSG00000164099	4	PRSS12	119201193	rs13124454	4	119279431	A	G	0.635189	-0.0089962	0.00814961	0.269646	-0.517724	0.0649687	1.60E-15	0.0173764	0.0158915	0.2742023	0.03459358	20	0.75436188
ENSG00000260404	4	RP11-384K6.6	119512928	rs10006526	4	119515483	G	C	0.338966	0.00652874	0.0080908	0.419705	-0.421158	0.050752	1.06E-16	-0.0155019	0.0193015	0.4218906	0.186801	20	0.85212747
ENSG00000250412	4	KLHL2P1	120255484	rs2714972	4	120649156	G	C	0.723658	0.0119051	0.00904723	0.188212	-0.54939	0.0966029	1.29E-08	-0.0216697	0.0169028	0.199838	0.9937233	13	0.69169397
ENSG00000249244	4	RP11-548H18.2	120312986	rs12506546	4	120301618	C	T	0.282306	-0.0138519	0.00931309	0.136921	0.847592	0.0923178	4.26E-20	-0.0163427	0.011131	0.1420453	0.9959053	8	0.63142328
ENSG00000245958	4	RP11-33B1.1	120375946	rs28495013	4	120375831	C	A	0.284294	-0.0147838	0.00932504	0.112878	-0.939035	0.0704882	1.73E-40	0.0157436	0.0100005	0.115423	0.7376882	11	0.60582719
ENSG00000164111	4	ANXA5	122589110	rs13145977	4	122616166	C	T	0.313121	0.00468832	0.00900732	0.602714	-0.576566	0.0462266	1.05E-35	-0.0081315	0.015636	0.6030298	0.5287606	20	0.90798731
ENSG00000151470	4	C4orf33	130014472	rs1709416	4	130031650	A	G	0.322068	0.00293981	0.00842423	0.727111	-0.521608	0.0640135	3.69E-16	-0.0056361	0.0161653	0.7273512	0.7036488	20	0.93605801
ENSG00000250241	4	RP11-9G1.3	133996466	rs17586065	4	134039696	A	G	0.447316	-0.0051337	0.00819177	0.530867	-0.35993	0.0590683	1.10E-09	0.0142629	0.0228794	0.5330246	0.0452512	7	0.87447889
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.28349	0.100163	1.37E-37	-0.0073361	0.0110961	0.5085213	0.2998569	12	0.87041275
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.13056	0.108941	3.13E-25	-0.0083285	0.0126059	0.5088171	0.5504949	10	0.87041275
ENSG00000250326	4	RP11-284M14.1	143854348	rs12640698	4	144104094	C	T	0.677932	0.0178717	0.00892621	0.0452668	0.59154	0.0984221	1.85E-09	0.0302122	0.015905	0.05749425	0.2175533	6	0.52780415
ENSG00000236296	4	GUSBP5	144480625	rs17017927	4	144501206	G	T	0.218688	-0.0036719	0.00976324	0.706851	0.694894	0.0950781	2.70E-13	-0.005284	0.0140686	0.70722	0.3813399	5	0.93460877
ENSG00000251600	4	RP11-673E1.1	144833484	rs4054534	4	144891280	T	A	0.657058	-0.0034309	0.0085734	0.689022	0.900238	0.0905579	2.76E-23	-0.0038111	0.0095312	0.6892602	0.9998157	8	0.93148031
ENSG00000250673	4	RP11-6L6.2	147145709	rs12152692	4	147130540	T	A	0.353877	0.00060345	0.00842199	0.942879	0.640203	0.0752109	1.71E-17	0.0009426	0.0131557	0.9428809	0.02011725	14	0.99132464
ENSG00000270681	4	RP11-372K14.2	152061143	rs10461253	4	152060204	A	T	0.89165	0.0152391	0.0107916	0.15791	0.491788	0.0880751	2.35E-08	0.0309871	0.0226345	0.1709917	0.6750962	5	0.65919056
ENSG00000164144	4	ARFIP1	153701089	rs4696360	4	153738765	C	G	0.617296	-0.0054863	0.00837523	0.512427	0.367981	0.0537499	7.59E-12	-0.0149092	0.0228639	0.5143467	0.704681	6	0.87041275
ENSG00000250538	4	RP11-92A5.2	156127681	rs6857715	4	156129182	T	C	0.394632	-0.0034104	0.00810929	0.674078	-0.48538	0.0628157	1.10E-14	0.00702631	0.0167318	0.6745316	0.8667118	13	0.93020759
ENSG00000256043	4	CTSO	156845270	rs10002427	4	156872831	T	C	0.0805169	-0.000758	0.011199	0.946038	-0.444562	0.069885	2.00E-10	0.001705	0.0251925	0.9460412	0.4692627	5	0.99132464
ENSG00000248429	4	RP11-597D13.9	159091904	rs10028490	4	159047602	T	A	0.849901	-0.0142399	0.0111043	0.19971	0.72587	0.106813	1.08E-11	-0.0196177	0.0155679	0.2076199	0.7539024	7	0.70128891
ENSG00000171503	4	ETFDH	159593277	rs66805156	4	159565740	A	C	0.128231	-0.0189018	0.0153353	0.217738	-0.506576	0.0641318	2.81E-15	0.0373129	0.0306388	0.2232883	0.8110645	3	0.71746678
ENSG00000271817	4	U3	159621843	rs17843929	4	159637113	T	C	0.245527	-0.0049745	0.00943265	0.597934	0.675926	0.0998717	1.31E-11	-0.0073596	0.0139975	0.5990413	0.3744205	9	0.90595547
ENSG00000273449	4	RP11-218F10.3	164450923	rs1044722	4	164447976	A	C	0.60835	-0.0006074	0.00841689	0.942471	-0.767881	0.0814541	4.21E-21	0.00079101	0.0109615	0.9424724	0.1206221	15	0.99132464
ENSG00000250486	4	FAM218A	165878100	rs3196673	4	165878609	A	T	0.309145	-0.0126022	0.00971534	0.194583	0.472028	0.0687914	6.80E-12	-0.026698	0.0209467	0.2024614	0.340572	8	0.69575497
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.515835	0.0455214	9.14E-30	0.00036232	0.0158779	0.9817945	0.706956	18	0.99662399
ENSG00000248174	4	RP11-148L24.1	175015811	rs60611867	4	175041460	T	G	0.249503	0.00870729	0.00885363	0.325376	0.878657	0.0991596	7.93E-19	0.00990977	0.0101382	0.3283369	0.6248761	13	0.79145947
ENSG00000249106	4	RP11-806K15.1	176711458	rs78640136	4	176721419	G	A	0.0447316	0.0536789	0.0178709	0.0026671	-1.02127	0.135535	4.88E-14	-0.0525609	0.0188378	0.00526777	0.1223624	8	0.25561277
ENSG00000164122	4	ASB5	177134824	rs4637338	4	177156168	T	C	0.706759	-0.0002715	0.00854732	0.974661	0.682944	0.0860575	2.09E-15	-0.0003975	0.0125155	0.9746617	0.8141706	12	0.99631719
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.640989	0.0645938	3.29E-23	-0.0078756	0.0129052	0.541685	0.4777727	6	0.88006291
ENSG00000251504	4	RP11-162G9.1	178650792	rs62342074	4	179067716	T	G	0.394632	-0.0093206	0.00819883	0.255613	-0.506482	0.0881525	9.16E-09	0.0184026	0.0165016	0.264764	0.3265989	10	0.75169485
ENSG00000249460	4	RP11-665C14.2	182182314	rs1947451	4	182186222	T	C	0.557654	0.00263346	0.00819093	0.747825	-0.443923	0.0699857	2.25E-10	-0.0059323	0.0184749	0.7481368	0.947714	7	0.93704979
ENSG00000177822	4	AC108142.1	182795591	rs62352023	4	183064442	G	C	0.40159	0.00828936	0.00828109	0.316828	0.381374	0.0609147	3.83E-10	0.0217355	0.0219896	0.3229349	0.3163501	3	0.78881178
ENSG00000271538	4	RP11-326I11.4	185427614	rs6552788	4	185460360	G	A	0.661034	-0.0038996	0.00825421	0.636611	-0.637685	0.0817783	6.30E-15	0.00611531	0.0129678	0.6372282	0.3342071	4	0.9192467
ENSG00000109771	4	LRP2BP	186285032	rs6815168	4	186325429	C	T	0.0984095	-0.0008579	0.0181194	0.962239	-0.659748	0.0946659	3.19E-12	0.00130027	0.0274648	0.9622397	0.2494014	8	0.99132464
ENSG00000109775	4	UFSP2	186320694	rs3937625	4	186359835	G	A	0.708748	-0.0140658	0.00963097	0.144159	0.826942	0.0571184	1.68E-47	-0.0170094	0.0117056	0.1461957	0.4442082	20	0.63821985
ENSG00000168491	4	CCDC110	186366336	rs28715304	4	186391759	A	G	0.197813	0.00759681	0.00992691	0.444108	0.39361	0.0534527	1.79E-13	0.0193003	0.025356	0.4465526	0.7169358	7	0.85502448
ENSG00000109794	4	FAM149A	187025573	rs4861705	4	187099852	A	G	0.593439	-0.0025811	0.00805107	0.748524	0.70635	0.0572371	5.46E-35	-0.0036541	0.011402	0.7486071	0.2320797	17	0.93722458
ENSG00000145476	4	CYP4V2	187112674	rs2292426	4	187120753	G	A	0.673956	-0.0077475	0.00868372	0.37229	-0.418191	0.0499881	5.97E-17	0.0185263	0.0208827	0.3749925	0.2391097	18	0.81854251
ENSG00000164344	4	KLKB1	187130133	rs62350518	4	187118358	T	C	0.176938	0.00884754	0.0124287	0.476551	0.520116	0.0836058	4.94E-10	0.0170107	0.024052	0.4794121	0.9838	3	0.85676979
ENSG00000088926	4	F11	187187099	rs4253331	4	187179135	C	T	0.0785288	0.00093999	0.0175493	0.957283	1.23998	0.163842	3.79E-14	0.00075807	0.0141532	0.9572845	0.6453452	8	0.99132464
ENSG00000245685	4	AF146191.4	190701490	rs13121183	4	190890245	C	T	0.322068	-0.0162079	0.008738	0.0636136	1.02734	0.108419	2.65E-21	-0.0157766	0.00866689	0.06870926	0.7336899	20	0.53758036
ENSG00000164366	5	CCDC127	196986	rs6896634	5	208887	G	A	0.149105	0.0108606	0.0103052	0.291934	0.624069	0.0755734	1.48E-16	0.0174029	0.0166469	0.2958309	0.9050181	18	0.76840073
ENSG00000248925	5	CTD-2083E4.6	269973	rs4957006	5	248056	C	T	0.747515	0.0130548	0.00953595	0.170998	0.59264	0.0896684	3.86E-11	0.0220282	0.0164322	0.1800658	0.3517272	3	0.66213638
ENSG00000221990	5	C5orf55	441645	rs10078	5	438102	T	G	0.784294	0.00073806	0.0113182	0.948007	0.519935	0.0798694	7.52E-11	0.00141952	0.0217696	0.9480096	0.07612381	20	0.99132464
ENSG00000180104	5	EXOC3	443273	rs67665078	5	428754	A	G	0.485089	0.0224381	0.00809975	0.00560183	-0.482022	0.0667057	4.97E-13	-0.04655	0.0179962	0.00969119	0.2420259	20	0.30378948
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	1.04471	0.0751991	7.02E-44	0.00320591	0.0085107	0.7064023	0.1772874	20	0.93460877
ENSG00000066230	5	SLC9A3	473425	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.798449	0.0767235	2.31E-25	0.0041947	0.0111388	0.7064827	0.1840181	20	0.93460877
ENSG00000171368	5	TPPP	660883	rs35352112	5	700560	A	G	0.151093	0.0220583	0.0114404	0.0538419	0.416954	0.0546554	2.37E-14	0.0529034	0.0283008	0.06157756	0.5501545	20	0.53249447
ENSG00000188818	5	ZDHHC11	710471	rs2434629	5	795557	T	C	0.810139	-0.0228078	0.0108058	0.0347985	-0.595715	0.0996693	2.27E-09	0.0382864	0.0192371	0.04656405	0.1746978	5	0.49940966
ENSG00000249201	5	CTD-3080P12.3	1173256	rs13156404	5	1180908	C	T	0.4334	0.00302029	0.00814997	0.710943	-0.516568	0.0895125	7.88E-09	-0.0058468	0.0158096	0.7115111	0.06445507	3	0.93605801
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.0463	0.0685383	1.29E-52	0.00389748	0.00799992	0.626124	0.7702446	20	0.91490418
ENSG00000232615	5	CTD-2012J19.1	1614951	rs9312899	5	1595616	C	G	0.235586	-0.0054668	0.0092957	0.556469	0.668936	0.115804	7.63E-09	-0.0081723	0.0139681	0.5585005	0.958497	6	0.88690277
ENSG00000171421	5	MRPL36	1798500	rs4975735	5	1830405	G	A	0.642147	0.010032	0.00844026	0.234601	-0.277075	0.0477676	6.61E-09	-0.0362068	0.031095	0.2442642	0.8450823	4	0.73418442
ENSG00000261037	5	CTC-471C19.1	6019142	rs9313147	5	6377832	G	A	0.482107	-0.0013197	0.00805854	0.869917	-0.566256	0.0797998	1.28E-12	0.00233055	0.0142351	0.8699521	0.05495402	12	0.9765182
ENSG00000250490	5	CTD-2324F15.2	6310554	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	0.52294	0.0609249	9.21E-18	0.00479541	0.0154073	0.7556161	0.05315959	20	0.93884925
ENSG00000133398	5	MED10	6371994	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	-0.280032	0.0473216	3.27E-09	-0.0089551	0.0287929	0.7557877	0.2661341	3	0.93884925
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-0.944335	0.0643944	1.08E-48	-0.0006243	0.00861789	0.9422528	0.3751985	20	0.99132464
ENSG00000250060	5	RP11-332J15.2	6868672	rs1074437	5	6872682	G	A	0.382704	-0.0136968	0.00884086	0.12132	-0.715959	0.0884206	5.62E-16	0.0191307	0.0125723	0.1280946	0.01595358	14	0.61757097
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.470285	0.0613868	1.84E-14	-0.0102604	0.017413	0.5557	0.2820222	17	0.88690277
ENSG00000272049	5	RP11-480D4.6	8445062	rs6555548	5	8446336	G	A	0.698807	-0.0005685	0.00890641	0.949109	0.643858	0.0996859	1.05E-10	-0.0008829	0.0138336	0.9491113	0.3905033	4	0.99132464
ENSG00000250786	5	SNHG18	9546312	rs59758866	5	9546372	G	C	0.300199	-0.0004098	0.0098573	0.966837	-0.584926	0.0676779	5.49E-18	0.00070064	0.0168524	0.9668375	0.5044027	4	0.99373886
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.847956	0.0928452	6.66E-20	-0.0059915	0.0101851	0.5563562	0.9864275	17	0.88690277
ENSG00000272324	5	CTD-2154B17.4	10761177	rs11740255	5	10760890	C	G	0.642147	-0.0016584	0.00841679	0.843801	0.584848	0.0861489	1.13E-11	-0.0028356	0.0143975	0.8438662	0.263531	5	0.96559527
ENSG00000248150	5	RP1-167G20.1	16373470	rs17650129	5	16487330	T	G	0.270378	0.0220694	0.00964496	0.0221269	0.648169	0.0950702	9.24E-12	0.0340488	0.015696	0.03006251	0.841984	8	0.43053323
ENSG00000271892	5	CTD-2228A4.1	17107469	rs632754	5	17145142	A	G	0.34493	-0.0007489	0.00880559	0.932227	0.648046	0.0819856	2.69E-15	-0.0011556	0.0135887	0.9322308	0.5228073	12	0.99132464
ENSG00000248455	5	RP11-321E2.3	17404128	rs10071892	5	17410452	C	G	0.253479	0.00346098	0.00915729	0.705469	-0.5025	0.0840726	2.27E-09	-0.0068875	0.0182599	0.7060289	0.6082119	7	0.93460877
ENSG00000183666	5	GUSBP1	21341942	rs71617525	5	21501875	T	C	0.139165	-0.0259629	0.013993	0.063536	1.45999	0.115016	6.40E-37	-0.0177829	0.00968615	0.06637065	0.2169235	20	0.53758036
ENSG00000272130	5	RP11-360I2.1	21569864	rs75158803	5	21573069	G	A	0.140159	-0.0228409	0.0139964	0.102698	1.5412	0.144224	1.18E-26	-0.0148202	0.00918678	0.1066989	0.1532369	20	0.59966108
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-0.975819	0.106858	6.73E-20	-0.0088589	0.00996612	0.3740547	0.4217631	10	0.81854251
ENSG00000151388	5	ADAMTS12	33523640	rs6866568	5	33794627	C	A	0.173956	-0.0023589	0.00946661	0.803221	-0.908204	0.0980151	1.93E-20	0.00259731	0.0104272	0.8032912	0.8940282	14	0.95150324
ENSG00000242110	5	AMACR	33986283	rs9918189	5	33996454	T	C	0.500994	-0.01503	0.00810281	0.0636092	0.722205	0.0598714	1.66E-33	-0.0208113	0.0113514	0.06674868	0.6969102	20	0.53758036
ENSG00000113494	5	PRLR	35048861	rs10058356	5	35220404	T	C	0.687873	-0.0211578	0.00833291	0.0111148	0.357699	0.0494214	4.56E-13	-0.0591497	0.0246878	0.01657906	0.8253092	15	0.34868323
ENSG00000152582	5	SPEF2	35617946	rs6868260	5	35701137	G	A	0.567594	0.0109387	0.00818702	0.181517	-0.276687	0.0361236	1.87E-14	-0.0395346	0.0300363	0.1880978	0.3850651	20	0.67839432
ENSG00000172244	5	C5orf34	43486803	rs12697457	5	43551810	T	C	0.496024	-0.0155955	0.00812074	0.0548012	0.328588	0.0499754	4.87E-11	-0.0474622	0.0257467	0.06526659	0.1307514	8	0.53758036
ENSG00000164171	5	ITGA2	52285156	rs3928414	5	52321039	C	T	0.0397614	0.00057287	0.0284558	0.983938	0.810444	0.14429	1.95E-08	0.00070686	0.0351116	0.9839383	0.9770044	6	0.99662399
ENSG00000247796	5	CTD-2366F13.1	52405672	rs62359378	5	52414791	A	G	0.324056	0.00720601	0.00858943	0.401503	0.51752	0.0761119	1.05E-11	0.0139241	0.0167231	0.405056	0.0827523	12	0.83572506
ENSG00000152669	5	CCNO	54526980	rs334877	5	54518687	C	T	0.114314	0.0224576	0.0116738	0.0543839	-0.420718	0.0545937	1.29E-14	-0.0533792	0.0285988	0.06197381	0.1438814	12	0.53416173
ENSG00000177058	5	SLC38A9	54921673	rs7724063	5	54918497	T	C	0.0159046	0.023469	0.0299875	0.433846	-1.00994	0.17699	1.16E-08	-0.023238	0.0299703	0.4381226	0.9961297	8	0.85502448
ENSG00000225940	5	AC022431.2	55807394	rs72759746	5	56275927	T	C	0.117296	0.0302594	0.0124661	0.01521	-0.635414	0.108384	4.56E-09	-0.0476216	0.021234	0.02491586	0.4466626	10	0.40738371
ENSG00000155542	5	SETD9	56205087	rs744023	5	56197078	T	C	0.840954	-0.002063	0.0107983	0.848488	1.22143	0.095334	1.40E-37	-0.001689	0.00884169	0.8485049	0.05639041	20	0.96851134
ENSG00000271828	5	CTD-2310F14.1	56223701	rs62356565	5	56243966	G	A	0.083499	0.0189542	0.0155095	0.221671	0.870461	0.154339	1.70E-08	0.0217749	0.0182311	0.2323277	0.2782292	13	0.72731669
ENSG00000178722	5	C5orf64	60933535	rs253531	5	60996988	A	G	0.331014	-0.0053551	0.00913005	0.557516	-0.403525	0.0654351	6.97E-10	0.0132708	0.0227278	0.5592865	0.01862541	6	0.88690277
ENSG00000164197	5	RNF180	63461671	rs960171	5	63701270	G	C	0.299205	-0.0160721	0.00953037	0.091717	-0.284506	0.0511959	2.74E-08	0.0564913	0.0350064	0.1065838	0.6172967	14	0.59966108
ENSG00000123219	5	CENPK	64813593	rs62369011	5	64845427	T	C	0.32008	0.00235637	0.00869977	0.786504	0.633128	0.0847921	8.22E-14	0.00372179	0.01375	0.78664	0.8801987	14	0.94647669
ENSG00000113593	5	PPWD1	64859063	rs152072	5	64937340	G	A	0.622266	0.00689662	0.0084255	0.413048	-0.469742	0.0558547	4.10E-17	-0.0146817	0.0180212	0.4152488	0.582554	17	0.84464168
ENSG00000153044	5	CENPH	68485375	rs163444	5	68464544	G	A	0.530815	0.0074986	0.00814674	0.357342	-0.4939	0.0608661	4.88E-16	-0.0151824	0.0166005	0.3604138	0.8992784	20	0.81243949
ENSG00000253203	5	GUSBP3	68790040	rs111743460	5	68929183	G	C	0.568588	0.00940679	0.00870377	0.279799	-0.743468	0.0789553	4.67E-21	-0.0126526	0.0117838	0.282947	0.3247672	6	0.75886819
ENSG00000226259	5	GTF2H2B	69711179	rs10058698	5	70670771	C	A	0.636183	-0.0136879	0.00860533	0.111693	-0.874567	0.0884125	4.51E-23	0.0156511	0.00996593	0.116309	0.00443308	6	0.60616766
ENSG00000172058	5	SERF1A	70196492	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.962359	0.100691	1.21E-21	-0.0083321	0.0111751	0.4559139	0.02119766	5	0.85502448
ENSG00000145736	5	GTF2H2	70330784	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.91507	0.100612	9.45E-20	0.0219505	0.0102673	0.03252569	0.1514697	5	0.44271993
ENSG00000230847	5	RP11-195E2.1	70370052	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.817832	0.0930441	1.50E-18	0.0245603	0.0115105	0.03286513	0.117975	3	0.44271993
ENSG00000131711	5	MAP1B	71403061	rs72761109	5	71506529	T	C	0.311133	0.014635	0.00901952	0.104676	0.436988	0.0589546	1.24E-13	0.0334906	0.021129	0.1129531	0.9671807	7	0.60439303
ENSG00000157111	5	TMEM171	72416119	rs481619	5	72412602	A	G	0.315109	0.0159416	0.00931064	0.086862	0.472485	0.0799901	3.49E-09	0.0337399	0.0205169	0.1000736	0.4225156	6	0.59734669
ENSG00000164338	5	UTP15	72861268	rs1220629	5	72870730	G	A	0.269384	-0.0188755	0.00878346	0.0316359	-0.463931	0.0781109	2.86E-09	0.040686	0.0201338	0.04330292	0.9150038	4	0.48818593
ENSG00000049860	5	HEXB	73935848	rs820866	5	73978701	A	G	0.573559	-0.0091828	0.00832093	0.269775	-0.345464	0.0385133	2.97E-19	0.0265811	0.0242679	0.2733749	0.5383754	7	0.75436188
ENSG00000164346	5	NSA2	74062817	rs72764663	5	74082520	A	G	0.137177	-0.0152049	0.0126004	0.227546	1.23591	0.0752002	1.08E-60	-0.0123026	0.0102227	0.2287983	0.04057013	20	0.72438037
ENSG00000164253	5	WDR41	76721795	rs17603636	5	76835647	G	T	0.0964215	-0.0167217	0.0140855	0.235165	0.99924	0.114433	2.50E-18	-0.0167344	0.0142259	0.2394608	0.8112075	20	0.73372296
ENSG00000132837	5	DMGDH	78293438	rs1275104	5	78449127	A	G	0.328032	0.00105583	0.0082099	0.897671	0.442504	0.0577571	1.84E-14	0.00238603	0.0185559	0.8976849	0.4170423	20	0.9845666
ENSG00000145692	5	BHMT	78407602	rs4998017	5	78364984	C	T	0.498012	0.00676822	0.00812763	0.40499	0.522924	0.0820042	1.81E-10	0.012943	0.0156746	0.4089567	0.8182791	20	0.83830826
ENSG00000228716	5	DHFR	79922047	rs1650713	5	79934417	C	T	0.247515	0.00838628	0.010306	0.4158	-0.655276	0.0640713	1.50E-24	-0.0127981	0.0157774	0.4172712	0.7434813	20	0.84657907
ENSG00000113318	5	MSH3	79950467	rs1643651	5	79955924	T	G	0.255467	0.00315001	0.00970563	0.745518	-0.328408	0.0497103	3.94E-11	-0.0095918	0.0295892	0.7458139	0.7032855	16	0.93687539
ENSG00000247572	5	CKMT2-AS1	80499903	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	1.16115	0.100139	4.35E-31	-0.0118175	0.00874486	0.1765781	0.4907685	15	0.65919056
ENSG00000131730	5	CKMT2	80529104	rs2897390	5	80530817	T	C	0.181909	-0.0143433	0.0099832	0.150791	-0.397586	0.0684454	6.29E-09	0.036076	0.0258662	0.1631018	0.2776251	5	0.65178939
ENSG00000248794	5	CTD-2248H3.1	80538149	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	1.07823	0.110464	1.66E-22	-0.0127263	0.00944364	0.1777844	0.4381787	20	0.65919056
ENSG00000152348	5	ATG10	81267844	rs4293895	5	81425592	C	T	0.230616	0.00472881	0.00977556	0.628572	0.764784	0.0930445	2.04E-16	0.0061832	0.0128042	0.629165	0.4446004	20	0.91709664
ENSG00000186468	5	RPS23	81569177	rs3739	5	81569311	G	A	0.299205	0.00543218	0.00872004	0.533315	-0.704177	0.0540331	8.01E-39	-0.0077142	0.0123974	0.533782	0.6206395	20	0.87447889
ENSG00000205464	5	ATP6AP1L	81575281	rs226196	5	81576965	A	C	0.702783	-0.0054023	0.00871073	0.535137	-0.779673	0.0615496	8.96E-37	0.00692888	0.0111857	0.5356248	0.5560663	20	0.87447889
ENSG00000249664	5	CTD-2227C6.2	82308104	rs4266384	5	82376691	G	A	0.455268	0.00325343	0.00808219	0.687284	0.775692	0.0849044	6.48E-20	0.00419423	0.0104294	0.6875715	0.00278428	20	0.93137246
ENSG00000152422	5	XRCC4	82373317	rs12109514	5	82391784	T	C	0.459245	-0.0049178	0.00806342	0.541931	-0.580783	0.0677837	1.05E-17	0.0084676	0.0139188	0.5429515	0.00208416	20	0.88006291
ENSG00000247828	5	TMEM161B-AS1	87564712	rs4916899	5	87588026	G	A	0.257455	0.021428	0.00893945	0.0165291	0.62543	0.0574198	1.26E-27	0.0342612	0.0146353	0.0192322	0.1004059	20	0.36241624
ENSG00000271904	5	CTC-498M16.4	87729709	rs7444298	5	87730027	G	A	0.262425	-0.0102606	0.0101678	0.312913	0.737932	0.0766115	5.85E-22	-0.0139045	0.0138542	0.3155551	0.00153696	20	0.78270524
ENSG00000113356	5	POLR3G	89767565	rs12374570	5	89780963	G	A	0.145129	-0.0024821	0.0115149	0.829332	0.517285	0.0908526	1.24E-08	-0.0047984	0.0222762	0.8294525	0.7403665	7	0.96129846
ENSG00000243806	5	CTC-484P3.1	94161666	rs153896	5	94153920	A	C	0.928429	0.00978203	0.0125712	0.436494	-0.937852	0.115508	4.69E-16	-0.0104302	0.0134657	0.4385872	0.834018	20	0.85502448
ENSG00000198677	5	TTC37	94799599	rs73145973	5	94800700	C	T	0.176938	0.00353542	0.0124845	0.777034	0.415558	0.0562614	1.51E-13	0.00850764	0.0300648	0.7771946	0.3571134	14	0.9451639
ENSG00000153113	5	CAST	95860971	rs2351245	5	95995733	T	G	0.151093	0.0147129	0.0116667	0.207269	0.433366	0.0532278	3.90E-16	0.0339503	0.0272422	0.212676	0.6083412	20	0.70128891
ENSG00000164307	5	ERAP1	96096521	rs13160562	5	96111371	A	G	0.327038	-0.0144342	0.00906573	0.111345	-0.554058	0.0578553	1.00E-21	0.0260518	0.016587	0.1162726	0.2511059	20	0.60616766
ENSG00000248734	5	CTD-2260A17.1	96120481	rs27037	5	96094694	G	T	0.701789	0.00350783	0.00876483	0.688998	0.604126	0.107011	1.65E-08	0.00580645	0.0145447	0.689735	0.1442018	19	0.93171629
ENSG00000164308	5	ERAP2	96211643	rs2927608	5	96252432	A	G	0.426441	-0.0050424	0.00809512	0.533353	1.16631	0.0655458	7.89E-71	-0.0043234	0.00694505	0.5336041	0.1547407	20	0.87447889
ENSG00000175749	5	EIF3KP1	102368080	rs34809	5	102430117	A	C	0.27336	0.00273315	0.00861172	0.750959	0.91316	0.0865912	5.32E-26	0.00299307	0.00943495	0.7510676	0.4553186	20	0.93846386
ENSG00000112874	5	NUDT12	102884556	rs71586376	5	102900033	G	A	0.16501	-0.0024019	0.0121623	0.843447	-0.404222	0.0667049	1.36E-09	0.00594201	0.0301041	0.8435288	0.7393988	3	0.96555828
ENSG00000249476	5	CTD-2587M2.1	108572821	rs1965670	5	108649798	T	A	0.248509	0.0119284	0.00922692	0.196085	0.63333	0.107439	3.75E-09	0.0188344	0.0149151	0.2066713	0.7920759	13	0.70128891
ENSG00000145777	5	TSLP	110405760	rs6865932	5	110436852	C	G	0.459245	-0.0093726	0.00806324	0.245081	-0.536236	0.0859071	4.32E-10	0.0174784	0.0152952	0.2531484	0.6297526	4	0.74108855
ENSG00000129595	5	EPB41L4A	111478138	rs464453	5	111832993	C	T	0.328032	-0.015968	0.00890678	0.0730062	-0.406257	0.0670636	1.38E-09	0.0393052	0.022864	0.08559834	0.5378974	4	0.57027956
ENSG00000243414	5	TICAM2	114914339	rs73254600	5	114940974	T	C	0.0954274	0.0278181	0.0197792	0.159595	0.636546	0.109034	5.28E-09	0.0437016	0.0319617	0.1715267	0.6319278	4	0.65919056
ENSG00000064652	5	SNX24	122179134	rs35939166	5	122394850	G	A	0.0308151	0.00106688	0.0256314	0.966799	-0.647633	0.111174	5.70E-09	-0.0016474	0.0395781	0.9667993	0.9215221	5	0.99373886
ENSG00000164904	5	ALDH7A1	125877533	rs150962000	5	125949675	A	C	0.0447316	0.0128639	0.0160613	0.423177	-0.569174	0.0978028	5.90E-09	-0.022601	0.0284846	0.4275179	0.5245917	4	0.85416275
ENSG00000245937	5	CTC-228N24.3	127276118	rs1820151	5	127585225	G	A	0.407555	-0.0021422	0.00810688	0.791593	0.314023	0.0527484	2.63E-09	-0.0068218	0.0258416	0.7917926	0.6509714	9	0.94736216
ENSG00000113396	5	SLC27A6	127873706	rs6874718	5	128308326	T	C	0.691849	-0.0210417	0.00839978	0.0122442	-0.90808	0.0803904	1.38E-29	0.0231716	0.00947477	0.01446056	0.6994659	20	0.34868323
ENSG00000164398	5	ACSL6	131142683	rs77938	5	131322494	T	C	0.770378	-0.0188562	0.00949826	0.0471194	0.298845	0.049072	1.13E-09	-0.0630969	0.0334294	0.05909702	0.4928076	18	0.52780415
ENSG00000233006	5	AC034220.3	131646978	rs441969	5	131702120	A	G	0.593439	0.00504333	0.00807987	0.532507	0.86714	0.0735383	4.31E-32	0.00581605	0.00933088	0.5330796	0.7314652	20	0.87447889
ENSG00000197536	5	C5orf56	131746328	rs2706385	5	131831766	G	T	0.654076	-0.0018574	0.00861813	0.829357	0.290545	0.0518458	2.09E-08	-0.006393	0.0296839	0.8294806	0.2666544	5	0.96129846
ENSG00000170606	5	HSPA4	132387654	rs6596100	5	132407058	T	C	0.23161	-0.0124829	0.009044	0.167512	0.328143	0.0497716	4.31E-11	-0.038041	0.0281586	0.1767102	0.1782443	4	0.65919056
ENSG00000164615	5	CAMLG	134074191	rs12657663	5	134076812	A	G	0.133201	0.00532909	0.0101822	0.600716	1.15845	0.0858505	1.70E-41	0.00460019	0.00879611	0.6009882	0.4899759	20	0.90793683
ENSG00000113621	5	TXNDC15	134209493	rs78165052	5	134250596	T	C	0.148111	0.011672	0.0100797	0.246875	0.613301	0.0639485	8.76E-22	0.0190314	0.0165545	0.2502998	0.592885	16	0.73968148
ENSG00000270021	5	CTC-203F4.2	134734970	rs2219769	5	134751194	T	A	0.963221	0.00926929	0.0240033	0.699373	0.739858	0.106694	4.08E-12	0.0125285	0.0324934	0.6998152	0.9567799	14	0.93393482
ENSG00000145832	5	SLC25A48	135170338	rs12522259	5	135185877	A	G	0.199801	-0.032027	0.00997332	0.00132151	-0.50118	0.0711019	1.81E-12	0.0639032	0.0218675	0.00347467	0.4268353	7	0.23805783
ENSG00000112981	5	NME5	137450866	rs144037381	5	137717902	T	C	0.0228628	-0.0435924	0.0265689	0.100853	-1.40908	0.207423	1.10E-11	0.0309368	0.0193977	0.1107407	0.9284903	5	0.60330103
ENSG00000253404	5	AC034243.1	138080123	rs1651358	5	138081007	G	A	0.729622	-0.0281272	0.00868082	0.00119462	-1.092	0.0963528	8.97E-30	0.0257575	0.00826797	0.00183735	0.4758366	20	0.20052425
ENSG00000120725	5	SIL1	138282409	rs10064201	5	138309405	T	C	0.33002	0.0220329	0.00831225	0.0080336	0.375313	0.0673924	2.56E-08	0.0587054	0.0245282	0.0166937	0.07180784	11	0.34868323
ENSG00000204961	5	PCDHA9	140227048	rs155808	5	140346712	C	T	0.341948	0.0209086	0.00885718	0.0182436	0.582496	0.0884116	4.44E-11	0.0358948	0.0161521	0.02626324	0.4845947	8	0.40738371
ENSG00000250120	5	PCDHA10	140235595	rs3756337	5	140186438	C	G	0.455268	0.0156987	0.00828674	0.0581674	-0.525601	0.0810128	8.71E-11	-0.0298681	0.0164246	0.06898813	0.1243048	15	0.53758036
ENSG00000239389	5	PCDHA13	140261793	rs155811	5	140343598	G	A	0.365805	0.0147317	0.00876329	0.0927492	0.50083	0.066082	3.48E-14	0.0294146	0.0179228	0.1007597	0.286799	17	0.59734669
ENSG00000120322	5	PCDHB8	140557371	rs652104	5	140626571	A	C	0.23161	0.00864031	0.00959521	0.367864	0.79344	0.107949	1.98E-13	0.0108897	0.0121836	0.3714295	0.2980468	6	0.81580456
ENSG00000204956	5	PCDHGA1	140710252	rs78011949	5	140705739	T	C	0.0168986	0.0530881	0.0689896	0.441591	1.07463	0.193755	2.92E-08	0.0494013	0.0648134	0.445936	0.899503	9	0.85502448

ENSG00000253731	5	PCDHGA6	140753651	rs6883770	5	140763888	A	G	0.0467197	0.0116427	0.0153106	0.446997	-0.619085	0.109043	1.37E-08	-0.0188063	0.0249519	0.4510274	0.07932521	7	0.85502448
ENSG00000133706	5	LARS	145492601	rs13175806	5	145472399	A	G	0.251491	0.0142948	0.00862348	0.0973868	0.679046	0.0696009	1.73E-22	0.0210513	0.0128814	0.1022086	0.3791903	13	0.59893029
ENSG00000204909	5	SPINK9	147700766	rs6893378	5	147711874	C	A	0.252485	0.0055652	0.00900452	0.536546	0.79364	0.0811545	1.38E-22	0.00701225	0.0113685	0.537357	0.06953181	13	0.87621582
ENSG00000173210	5	ABLIM3	148521046	rs13171669	5	148601243	G	A	0.362823	0.0110435	0.00840144	0.188687	-0.386536	0.066989	7.92E-09	-0.0285704	0.0222921	0.1999684	0.8983077	6	0.69169397
ENSG00000254333	5	CTC-367J11.1	149855094	rs3846703	5	149857460	T	C	0.0725646	0.0225751	0.014915	0.130131	1.56753	0.162056	3.94E-22	0.0144017	0.00963075	0.1348136	0.7865574	8	0.61985195
ENSG00000197083	5	ZNF300P1	150310207	rs12659118	5	150324622	C	T	0.115308	0.0160302	0.0132866	0.227629	1.2697	0.128195	3.98E-23	0.0126252	0.0105417	0.2310568	0.05613342	11	0.72599673
ENSG00000197043	5	ANXA6	150480273	rs432843	5	150549519	T	C	0.437376	0.00535475	0.00838703	0.523176	-0.226339	0.0415182	4.99E-08	-0.0236581	0.0373084	0.5260011	0.6272331	11	0.87447889
ENSG00000086570	5	FAT2	150883654	rs3734055	5	150945483	T	C	0.49006	0.00980168	0.0080889	0.22561	-0.239135	0.0390722	9.34E-10	-0.0409881	0.0344823	0.2345691	0.9746497	7	0.72959002
ENSG00000260581	5	CTB-113P19.4	151031836	rs918421	5	150831989	G	A	0.462227	-0.00648	0.00809047	0.423163	0.450016	0.0814432	3.29E-08	-0.0143995	0.0181661	0.4279756	0.1748893	6	0.85416275
ENSG00000213433	5	RP11-54C4.1	151145420	rs6890099	5	151151962	G	A	0.263419	-0.0281543	0.00873166	0.00126238	-0.674836	0.0825003	2.84E-16	0.0417202	0.0139079	0.00270205	0.06180364	20	0.21928175
ENSG00000155508	5	CNOT8	154237113	rs13162291	5	154369987	A	G	0.154076	0.0146206	0.00990568	0.139949	-0.300142	0.0542649	3.18E-08	-0.0487123	0.0341582	0.1538457	0.6713995	8	0.64645901
ENSG00000113263	5	ITK	156569944	rs30118	5	156666799	G	T	0.577535	0.00568973	0.00810549	0.482704	-0.500984	0.0738376	1.16E-11	-0.0113571	0.0162655	0.4850314	0.7570768	4	0.86080238
ENSG00000251405	5	CTB-109A12.1	156789623	rs77861920	5	156878632	C	A	0.0894632	0.0118782	0.0137884	0.388986	0.877488	0.108193	5.05E-16	0.0135366	0.0158019	0.3916414	0.8318346	16	0.82705257
ENSG00000248544	5	CTB-47B11.3	156802749	rs17600807	5	156933275	C	T	0.0924453	0.00706752	0.0135258	0.601307	0.89543	0.138433	9.91E-11	0.00789288	0.0151546	0.6024888	0.8067748	6	0.90798731
ENSG00000118322	5	ATP10B	159990127	rs4921347	5	160286514	C	A	0.833002	0.0123723	0.0115599	0.284495	-0.392407	0.0553166	1.30E-12	-0.0315293	0.0297924	0.2899186	0.6053845	18	0.76466031
ENSG00000204764	5	RANBP17	170288874	rs245773	5	170530923	G	T	0.682903	-0.0097237	0.00841109	0.247659	0.448946	0.0630341	1.06E-12	-0.0216589	0.0189804	0.2538199	0.8049633	10	0.74108855
ENSG00000113734	5	BNIP1	172571445	rs72816168	5	172595024	A	G	0.116302	-0.0058866	0.0131175	0.653607	-0.568796	0.0893259	1.92E-10	0.0103491	0.0231191	0.6544093	0.3215214	5	0.92487808
ENSG00000253955	5	CTB-33O18.3	173006646	rs72822182	5	173022152	C	T	0.229622	0.00189401	0.00919285	0.836767	0.563237	0.0985709	1.10E-08	0.00336272	0.0163321	0.8368714	0.7892161	3	0.96327684
ENSG00000051596	5	THOC3	175344876	rs56033051	5	175343491	C	T	0.192843	-0.0143385	0.0102534	0.161988	0.777141	0.0701978	1.74E-28	-0.0184503	0.0132986	0.165323	0.2915953	8	0.65487772
ENSG00000248469	5	RP11-826N14.2	175476681	rs6556237	5	175511228	T	G	0.373757	-0.0042208	0.00821454	0.607381	0.414734	0.0750882	3.33E-08	-0.0101771	0.0198923	0.6089254	0.9510903	3	0.91165983
ENSG00000170085	5	SIMC1	175665365	rs12516807	5	175601502	A	G	0.505964	-0.0065293	0.00807438	0.418721	-0.414174	0.0504819	2.32E-16	0.0157646	0.0195896	0.4209684	0.3602975	20	0.85135143
ENSG00000074276	5	CDHR2	175969512	rs4868649	5	175987426	A	G	0.673956	-0.00558	0.00861402	0.517124	-0.450779	0.0640688	1.98E-12	0.0123786	0.01919	0.5188906	0.2332017	13	0.87041275
ENSG00000160867	5	FGFR4	176513887	rs641101	5	176513460	G	A	0.664016	-0.0189006	0.00901878	0.0361102	-0.54605	0.0749483	3.20E-13	0.0346133	0.0171861	0.04400646	0.986906	6	0.48930389
ENSG00000213347	5	MXD3	176728462	rs4976685	5	176766177	G	A	0.357853	0.00024046	0.00856638	0.977607	-0.419967	0.0627954	2.26E-11	-0.0005726	0.0203979	0.9776067	0.6796465	15	0.99662399
ENSG00000249849	5	RP11-1101H11.1	177109295	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.866383	0.0855192	4.03E-24	0.0165832	0.00966928	0.08633813	0.7052738	16	0.57027956
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.816459	0.0527576	5.07E-54	0.0175972	0.0101762	0.08376305	0.4191618	20	0.57012048
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	0.962564	0.0871879	2.45E-28	0.0171343	0.00886328	0.05321366	0.658696	19	0.52780415
ENSG00000170089	5	RP11-423H2.1	177236408	rs62399513	5	177289831	T	C	0.388668	0.0107423	0.00838686	0.200247	0.678432	0.0807931	4.57E-17	0.015834	0.0125051	0.2054403	0.2904905	6	0.70128891
ENSG00000204677	5	FAM153C	177433406	rs7731593	5	177432595	G	A	0.493042	0.00150822	0.00808074	0.85194	0.250931	0.0419555	2.22E-09	0.0060105	0.0322187	0.8520111	0.2355171	6	0.97070379
ENSG00000218227	5	RP11-889L3.1	177482605	rs55951284	5	177430788	T	C	0.492048	0.00018697	0.0080839	0.981547	0.361966	0.051972	3.29E-12	0.00051655	0.0223334	0.9815475	0.2511173	13	0.99662399
ENSG00000250420	5	AACSP1	178191862	rs35780262	5	178256059	G	A	0.382704	0.00268392	0.00840341	0.749435	-0.43591	0.0724565	1.79E-09	-0.0061571	0.019305	0.7497754	0.9786134	20	0.93758955
ENSG00000178187	5	ZNF454	178368192	rs4700752	5	178382867	C	T	0.609344	0.0019339	0.00827833	0.815288	-0.620298	0.0704256	1.28E-18	-0.0031177	0.0133504	0.8153516	0.9818663	20	0.9575465
ENSG00000087116	5	ADAMTS2	178537852	rs11960126	5	178593669	T	C	0.241551	-0.0014316	0.00879539	0.870701	0.678485	0.0921288	1.78E-13	-0.00211	0.0129664	0.8707322	0.1661993	11	0.9765182
ENSG00000253520	5	RP11-798K23.5	178954225	rs4701140	5	179034260	A	G	0.523857	-0.0062808	0.00809281	0.437694	0.504079	0.0876718	8.94E-09	-0.0124599	0.0162002	0.4418235	0.2698135	5	0.85502448
ENSG00000127022	5	CANX	179105629	rs13182141	5	179126632	T	C	0.489066	0.00894625	0.00806981	0.267599	-0.287739	0.0359105	1.12E-15	-0.0310915	0.0283127	0.2721406	0.3910385	20	0.75436188
ENSG00000161010	5	C5orf45	179261436	rs10277	5	179264731	C	T	0.518887	-0.0154053	0.0082913	0.0631684	-0.339786	0.0535211	2.17E-10	0.0453382	0.0254251	0.07455223	0.5506621	10	0.54762401
ENSG00000197226	5	TBC1D9B	179289066	rs272441	5	179301260	G	A	0.884692	-0.0021476	0.0151594	0.887341	0.96799	0.105226	3.61E-20	-0.0022187	0.0156626	0.8873535	0.9993184	9	0.9818645
ENSG00000131459	5	GFPT2	179727690	rs2303008	5	179743731	A	G	0.224652	0.0013584	0.0101747	0.893791	0.445786	0.0707249	2.92E-10	0.0030472	0.0228293	0.8938156	0.2662019	15	0.98431676
ENSG00000248275	5	TRIM52-AS1	180688213	rs1279911	5	180691200	G	C	0.279324	0.00526586	0.00895205	0.556378	-0.979965	0.0640743	8.36E-53	-0.0053735	0.00914183	0.55667	0.1866581	20	0.88690277
ENSG00000272463	6	RP11-532F6.3	708592	rs2244443	6	711150	C	A	0.707753	-0.006699	0.00912033	0.462634	0.871783	0.110727	3.45E-15	-0.0076843	0.0105071	0.4645719	0.1880798	13	0.85502448
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.11146	0.0813386	1.65E-42	0.00771347	0.00894117	0.3883075	0.8479899	20	0.82705257
ENSG00000164385	6	C6orf195	2622147	rs6924183	6	2614822	G	C	0.478131	-0.0160029	0.00806169	0.0471379	0.531081	0.0922278	8.49E-09	-0.0301327	0.0160564	0.06056244	0.01530428	6	0.52874239
ENSG00000145949	6	MYLK4	2663863	rs13216410	6	2765570	T	C	0.299205	-0.0095034	0.00852252	0.264812	0.374408	0.0670709	2.37E-08	-0.0253824	0.0232124	0.2741799	0.3427216	3	0.75436188
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.788055	0.0864665	7.94E-20	-0.0033746	0.0104301	0.7462824	0.4449541	17	0.93687539
ENSG00000124588	6	NQO2	2988221	rs4149363	6	3007478	A	G	0.189861	-0.0019677	0.00988305	0.842184	-0.838123	0.0973608	7.41E-18	0.00234777	0.011795	0.8422258	0.8252543	20	0.96476462
ENSG00000272277	6	RP1-40E16.12	3068279	rs12663589	6	3069057	T	C	0.544732	-0.0014399	0.00827713	0.861898	-0.809674	0.0952849	1.94E-17	0.00177833	0.0102249	0.8619274	0.5093154	20	0.97523491
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	1.02935	0.0940064	6.66E-28	0.00349483	0.00992042	0.7246237	0.0738756	13	0.93605801
ENSG00000137267	6	TUBB2A	3153903	rs909962	6	3157399	G	A	0.733598	-0.0117361	0.00944855	0.214197	-0.306545	0.0549196	2.38E-08	0.0382851	0.0315767	0.2253408	0.3671036	3	0.71895527
ENSG00000180822	6	PSMG4	3231637	rs4292566	6	3267246	C	T	0.841948	0.00957777	0.0116876	0.412512	0.48885	0.0571579	1.20E-17	0.0195925	0.0240179	0.4146458	0.1710002	17	0.84450062
ENSG00000228793	6	RP1-223B1.1	3594481	rs226948	6	3716855	A	G	0.11332	-0.0124097	0.0135922	0.361243	0.712613	0.12281	6.53E-09	-0.0174144	0.0193084	0.3671071	0.10062	7	0.81333811
ENSG00000185689	6	C6orf201	4079440	rs9328222	6	4131482	G	T	0.083499	-0.0018871	0.0118293	0.87325	0.511317	0.0849312	1.74E-09	-0.0036907	0.0231431	0.8732946	0.4314106	3	0.977264
ENSG00000198721	6	ECI2	4115923	rs62394175	6	4104898	T	C	0.267396	0.00046144	0.00981282	0.962494	-0.413758	0.0438699	4.04E-21	-0.0011152	0.0237166	0.9624944	0.9933752	20	0.99132464
ENSG00000214113	6	LYRM4	5102827	rs111557465	6	5260694	T	C	0.083499	0.0242319	0.0132953	0.068366	1.00255	0.112257	4.23E-19	0.0241703	0.0135348	0.07413425	0.07617779	5	0.54762401
ENSG00000124783	6	SSR1	7268539	rs72818961	6	7297674	C	T	0.0347913	-0.0271692	0.0285434	0.34117	-1.13853	0.156249	3.18E-13	0.0238634	0.0252834	0.345253	0.90367	10	0.80709253
ENSG00000124784	6	RIOK1	7389729	rs11243173	6	7429652	A	T	0.521869	-0.0051533	0.0081118	0.525246	0.388903	0.0567419	7.19E-12	-0.0132507	0.0209476	0.5270166	0.8876553	20	0.87447889
ENSG00000272097	6	RP11-421M1.8	10743557	rs573788	6	10745082	G	A	0.38171	0.00358784	0.00826423	0.664186	-0.336375	0.0605079	2.71E-08	-0.0106662	0.0246433	0.6651433	0.07426834	5	0.93003269
ENSG00000230314	6	ELOVL2-AS1	11043757	rs9368512	6	10975032	G	C	0.451292	0.0138507	0.00805471	0.0855086	-0.402651	0.0606445	3.15E-11	-0.0343988	0.0206642	0.09598172	0.1100515	5	0.59357691
ENSG00000145979	6	TBC1D7	13266774	rs454563	6	13295536	T	C	0.877734	0.020403	0.0100814	0.0429893	-0.980659	0.0925425	3.08E-26	-0.0208054	0.010466	0.04682312	0.9487178	20	0.49940966
ENSG00000050393	6	MCUR1	13786789	rs3757254	6	13788252	C	T	0.327038	0.0183857	0.00837483	0.0281384	0.349041	0.0476656	2.43E-13	0.0526749	0.0250489	0.03547617	0.4020282	9	0.45477223
ENSG00000047579	6	DTNBP1	15523032	rs1047631	6	15523101	C	T	0.148111	-0.0058362	0.0111719	0.601392	0.27521	0.0430804	1.68E-10	-0.0212063	0.0407296	0.6026029	0.3285827	4	0.90798731
ENSG00000137364	6	TPMT	18128542	rs12192017	6	18157463	C	T	0.0775348	-0.0135968	0.0152677	0.373166	-0.807829	0.134463	1.88E-09	0.0168313	0.0191062	0.3783536	0.8255303	6	0.82169123
ENSG00000228412	6	RP4-625H18.2	19802395	rs7750716	6	19804839	T	C	0.125249	0.0145471	0.013249	0.272217	0.760991	0.102542	1.16E-13	0.019116	0.0175997	0.2774109	0.04536738	11	0.75436188
ENSG00000111802	6	TDP2	24650205	rs1047782	6	24650731	G	T	0.675944	-0.0035478	0.00821818	0.665961	-0.370718	0.0570646	8.22E-11	0.00956997	0.0222172	0.6666527	0.3682452	6	0.93003269
ENSG00000272462	6	U91328.19	25992890	rs17586946	6	25939053	T	C	0.215706	0.00686619	0.00923622	0.457241	-0.561514	0.0768973	2.83E-13	-0.012228	0.0165338	0.4595576	0.2519009	20	0.85502448
ENSG00000186470	6	BTN3A2	26365387	rs72841536	6	26378288	A	T	0.111332	-0.0704274	0.0145569	1.31E-06	-1.03057	0.105787	2.00E-22	0.0683383	0.0157711	1.47E-05	0.00979797	20	0.04652414
ENSG00000124508	6	BTN2A2	26383324	rs7757048	6	26390039	A	C	0.201789	-0.0027197	0.00993449	0.784265	0.797364	0.0833096	1.06E-21	-0.0034109	0.0124643	0.7843501	0.03122338	20	0.94647669
ENSG00000181315	6	ZNF322	26636518	rs62396201	6	26668216	A	G	0.406561	0.0156775	0.00836606	0.0609397	-0.468688	0.050592	1.97E-20	-0.0334498	0.0182115	0.06624827	0.00521366	20	0.53758036
ENSG00000204789	6	ZNF204P	27325604	rs10946899	6	27023694	A	T	0.222664	-0.0296242	0.00899663	0.00099193	0.231215	0.0403101	9.70E-09	-0.128124	0.044866	0.00429412	0.7667996	8	0.2393289
ENSG00000124613	6	ZNF391	27342394	rs10807021	6	27356925	G	T	0.744533	-0.0095592	0.00832407	0.250814	0.34228	0.0479351	9.30E-13	-0.0279279	0.024632	0.2568763	0.05812143	7	0.74372235
ENSG00000216915	6	RP1-97D16.1	27704779	rs4713120	6	27721835	A	C	0.347913	-0.0188763	0.00843022	0.0251484	-0.526897	0.0950778	2.99E-08	0.0358254	0.0172564	0.03788803	0.06100125	5	0.45997648
ENSG00000219392	6	RP1-265C24.5	28083406	rs9393884	6	28046789	G	A	0.198807	-0.0345129	0.0103469	0.0008512	-0.865479	0.0850885	2.66E-24	0.0398772	0.0125815	0.00152699	0.01153735	20	0.19685577
ENSG00000198315	6	ZKSCAN8	28109688	rs6901017	6	28152583	C	T	0.213718	-0.0383236	0.00989626	0.00010771	-0.333378	0.0494549	1.57E-11	0.114955	0.0342344	0.00078539	0.1903347	20	0.17110293
ENSG00000226314	6	ZNF192P1	28129559	rs9368548	6	28034737	G	A	0.192843	-0.0400716	0.0110471	0.00028638	0.557534	0.0987926	1.67E-08	-0.0718729	0.0235541	0.00227783	0.395464	4	0.21373776
ENSG00000216901	6	AL022393.7	28143966	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	1.07943	0.0827602	6.98E-39	-0.0201933	0.00830864	0.015082	0.00025638	20	0.34868323
ENSG00000197062	6	RP5-874C20.3	28234788	rs1233660	6	28260249	A	T	0.332008	-0.0316496	0.00990216	0.00139236	-0.53578	0.066393	7.04E-16	0.059072	0.0198786	0.00296219	0.3387557	20	0.22866639
ENSG00000235109	6	ZSCAN31	28292470	rs213238	6	28321993	C	T	0.363817	-0.0286459	0.0086988	0.00099092	0.603158	0.0800571	4.92E-14	-0.0474932	0.0157396	0.00254921	0.5359987	20	0.21806063
ENSG00000204709	6	C6orf100	28911654	rs209175	6	28805638	T	G	0.501988	-0.0047208	0.00811849	0.560915	0.631498	0.0850496	1.13E-13	-0.0074755	0.0128953	0.5621118	0.00146178	20	0.8885229
ENSG00000204642	6	HLA-F	29690552	rs3129074	6	29666623	A	C	0.190855	0.0269636	0.0128302	0.035591	-0.31411	0.0524121	2.06E-09	-0.0858413	0.0432848	0.04734791	0.3185131	20	0.49940966
ENSG00000239257	6	RPL23AP1	29694446	rs1736905	6	29707661	G	A	0.342942	-0.0081644	0.0089377	0.360993	0.632316	0.0871736	4.06E-13	-0.0129118	0.0142465	0.3647688	0.08797778	20	0.81243949
ENSG00000273340	6	MICE	29709508	rs1737082	6	29717902	G	C	0.429423	-0.0073499	0.00850451	0.38746	-0.48577	0.0713982	1.02E-11	0.0151304	0.017648	0.3912553	0.00830472	20	0.82705257
ENSG00000181126	6	HLA-V	29758731	rs1736976	6	29773999	G	A	0.304175	-0.0038417	0.00950774	0.686169	0.67735	0.0676623	1.37E-23	-0.0056717	0.0140481	0.6864109	0.3606095	20	0.93137246
ENSG00000176998	6	HCG4	29758816	rs2517917	6	29781020	C	T	0.164016	0.0225756	0.0123833	0.0682936	-0.54252	0.0899836	1.65E-09	-0.0416125	0.0238462	0.08097856	0.02054885	17	0.5652901
ENSG00000204632	6	HLA-G	29794744	rs17179851	6	29924440	C	T	0.130219	-0.0133705	0.0135074	0.32224	0.850434	0.108062	3.55E-15	-0.015722	0.0160081	0.3260376	0.7457049	20	0.78892126
ENSG00000230521	6	HCG4P7	29855071	rs9260048	6	29908076	G	T	0.276342	0.00255036	0.00985325	0.795763	-0.782369	0.0883347	8.23E-19	-0.0032598	0.0125995	0.7958482	0.2391373	20	0.94800886
ENSG00000206341	6	HLA-H	29855350	rs2975031	6	29832919	G	A	0.685885	0.00149461	0.00835509	0.858027	0.693986	0.0897832	1.08E-14	0.00215366	0.0120425	0.8580647	0.4033835	20	0.97368441
ENSG00000227262	6	HCG4B	29893760	rs2523793	6	29802550	T	C	0.227634	0.00455563	0.00982063	0.642731	-0.689336	0.107029	1.19E-10	-0.0066087	0.0142834	0.6435901	0.1602444	17	0.92288763
ENSG00000230795	6	HLA-K	29894236	rs2735076	6	29943490	G	A	0.782306	0.00451941	0.011057	0.682732	-0.958923	0.0949703	5.69E-24	-0.004713	0.0115401	0.6829779	0.07389444	20	0.93046593
ENSG00000228078	6	HLA-U	29901878	rs1613062	6	29921100	G	C	0.190855	-0.0039422	0.012017	0.742874	0.766987	0.119986	1.63E-10	-0.0051398	0.0156884	0.7432003	0.09580961	20	0.93605801
ENSG00000206503	6	HLA-A	29909037	rs2517673	6	29937242	A	G	0.112326	0.0137	0.0155024	0.37684	-0.641188	0.0910514	1.89E-12	-0.0213666	0.0243673	0.3805646	0.9884748	20	0.82180041
ENSG00000235290	6	HLA-W	29924373	rs72845913	6	29819040	A	G	0.0944334	-0.0150838	0.0142161	0.288673	1.06167	0.138393	1.70E-14	-0.0142076	0.0135178	0.2932443	0.8182722	20	0.76742592
ENSG00000204623	6	ZNRD1-AS1	29968788	rs9261244	6	30018015	A	G	0.472167	-0.0091034	0.00806904	0.25924	-0.469906	0.0551408	1.57E-17	0.0193728	0.0173214	0.2633827	0.2645357	20	0.75099662
ENSG00000237669	6	HCG4P3	29973898	rs1150741	6	30029651	G	C	0.260437	-0.0218985	0.00875903	0.0124157	0.719863	0.0873099	1.65E-16	-0.0304204	0.0127147	0.01673268	0.606039	20	0.34868323
ENSG00000204622	6	HLA-J	29974360	rs2916806	6	29918684	T	G	0.630219	0.0129294	0.00826612	0.117783	0.715288	0.081417	1.56E-18	0.0180758	0.0117381	0.1235778	0.2677292	20	0.61194908
ENSG00000204618	6	RNF39	30038043	rs2285805	6	30042861	G	C	0.0447316	0.0138512	0.0245041	0.571896	0.679449	0.0927982	2.45E-13	0.0203859	0.036172	0.5730376	0.9557051	20	0.89520588
ENSG00000270604	6	HCG17	30201816	rs7383511	6	30161509	T	C	0.427435	-0.0069825	0.00813137	0.3905	-0.516106	0.0858966	1.87E-09	0.0135292	0.0159153	0.3952841	0.3657033	4	0.82705257
ENSG00000243753	6	HLA-L	30227361	rs12191286	6	31049870	G	A	0.10835	0.0240697	0.0134293	0.0730819	0.599238	0.107808	2.72E-08	0.0401672	0.0235469	0.08803866	0.04176151	11	0.57027956
ENSG00000231074	6	HCG18	30255174	rs2516697	6	30232514	A	G	0.243539	-0.0134717	0.00925895	0.145671	0.387664	0.0636774	1.14E-09	-0.034751	0.0245566	0.1570281	0.7878245	7	0.64842413
ENSG00000137312	6	FLOT1	30695486	rs11961853	6	30365629	T	C	0.122266	-0.0276071	0.0132012	0.0365056	0.373708	0.0617192	1.40E-09	-0.0738735	0.0373725	0.04807761	0.04640971	9	0.50219682
ENSG00000228022	6	HCG20	30734602	rs7740525	6	30760698	T	G	0.420477	0.00238968	0.00867608	0.782982	-0.769686	0.0968627	1.92E-15	-0.0031048	0.011279	0.7831105	0.01219126	11	0.94647669
ENSG00000137411	6	VARS2	30876019	rs1264320	6	30861000	T	C	0.355865	-0.0098629	0.00827635	0.233382	0.536636	0.048923	5.39E-28	-0.0183791	0.0155134	0.2361278	0.2631204	20	0.73054202
ENSG00000228789	6	HCG22	31021227	rs2394424	6	31020360	C	T	0.574553	-0.0149057	0.00810832	0.0660146	0.71978	0.0834739	6.53E-18	-0.0207087	0.0115182	0.07219017	0.194303	20	0.54762401
ENSG00000204540	6	PSORS1C1	31082527	rs3132558	6	31105466	G	C	0.742545	-0.0121315	0.00911022	0.18298	-0.683646	0.109183	3.81E-10	0.0177453	0.013624	0.1927434	0.4419519	11	0.6831275
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	0.596431	0.104897	1.30E-08	0.004914	0.0186971	0.7926881	0.6224871	9	0.94736216
ENSG00000204531	6	POU5F1	31132119	rs11966319	6	31229678	T	C	0.127237	0.00574136	0.00981893	0.558734	0.825935	0.131263	3.13E-10	0.00695135	0.0119395	0.5604218	0.1387974	20	0.8873691
ENSG00000272501	6	Xbac-BPG299F13.	31162977	rs9501089	6	31185810	G	T	0.463221	0.00987614	0.00804571	0.219633	-0.344004	0.0575891	2.32E-09	-0.0287094	0.0238771	0.2292166	0.387691	20	0.72438037
ENSG00000206344	6	HCG27	31165537	rs6930065	6	31173669	C	T	0.373757	0.00508337	0.00815473	0.533045	0.615507	0.0718108	1.02E-17	0.00825883	0.0132838	0.5341243	0.8078103	20	0.87447889
ENSG00000204525	6	HLA-C	31236526	rs2524119	6	31229404	C	T	0.617296	0.0179443	0.00843872	0.033468	-0.627025	0.0549147	3.39E-30	-0.0286182	0.0136897	0.03657452	0.3935803	20	0.45477223
ENSG00000234745	6	HLA-B	31321649	rs2523599	6	31241092	G	C	0.666004	0.0244666	0.00837467	0.00348345	0.349993	0.0484407	5.00E-13	0.069906	0.0258102	0.00675956	0.1142525	20	0.27428207
ENSG00000272221	6	Xbac-BPG181B23.	31362066	rs6906175	6	31371101	C	G	0.295229	-0.0058987	0.00871132	0.498325	-0.726332	0.0778125	1.02E-20	0.00812118	0.0120251	0.4994519	0.02717078	20	0.86807538
ENSG00000204520	6	MICA	31371356	rs9295996	6	31390558	G	T	0.299205	-0.0110579	0.00850824	0.193714	-0.719007	0.055625	3.21E-38	0.0153794	0.011893	0.1959595	0.00586713	20	0.68989079
ENSG00000240053	6	LY6G5B	31637944	rs4569	6	31637807	T	C	0.295229	-0.0200851	0.0082797	0.0152736	-0.334256	0.050985	5.53E-11	0.060089	0.0264119	0.02290143	0.1490057	7	0.39677591
ENSG00000204428	6	LY6G5C	31644461	rs1266073	6	31667028	A	C	0.297217	-0.0199677	0.00827981	0.0158818	-0.983543	0.0641032	3.94E-53	0.0203018	0.00852171	0.01720186	0.00715474	20	0.34868323
ENSG00000204371	6	EHMT2	31847536	rs630379	6	31922254	C	A	0.787276	0.0126338	0.00896346	0.158695	0.280012	0.0419521	2.48E-11	0.0451188	0.0327169	0.1678748	0.00621155	14	0.65646672
ENSG00000204351	6	SKIV2L	31926857	rs550671	6	31944593	T	C	0.141153	0.0294526	0.0152044	0.0527327	0.604882	0.0683201	8.47E-19	0.0486915	0.0257307	0.05844485	0.1384754	20	0.52780415
ENSG00000204348	6	DXO	31937587	rs116298992	6	32068495	T	C	0.0198807	0.0404014	0.029062	0.164474	-0.98992	0.145139	9.07E-12	-0.0408128	0.0299615	0.1731435	0.1988484	9	0.65919056
ENSG00000244731	6	C4A	31949801	rs1265905	6	31909941	G	A	0.0725646	-0.0417551	0.0141302	0.00312637	-0.830615	0.136434	1.14E-09	0.0502701	0.0189098	0.0078509	0.6422594	20	0.28561033
ENSG00000204338	6	CYP21A1P	31973413	rs4711286	6	32071637	C	T	0.446322	0.0165491	0.00810065	0.0410592	0.640216	0.0775467	1.51E-16	0.0258492	0.0130346	0.04735392	0.2215626	20	0.49940966
ENSG00000224389	6	C4B	31982539	rs431541	6	32186193	C	T	0.158052	-0.0026292	0.0130557	0.840399	-0.481772	0.0811947	2.96E-09	0.00545735	0.0271149	0.8404895	0.6169077	5	0.96417326
ENSG00000213676	6	ATF6B	32065953	rs2228628	6	32088854	C	G	0.298211	0.0232737	0.00836151	0.00537861	0.310883	0.0546443	1.28E-08	0.0748632	0.0299424	0.01241096	0.9099116	9	0.33092283
ENSG00000225914	6	Xbac-BPG154L12.	32223488	rs454748	6	32213210	A	G	0.447316	0.00586052	0.00854393	0.492758	-0.715067	0.0780628	5.18E-20	-0.0081958	0.0119819	0.493967	0.8776776	20	0.86532344
ENSG00000228962	6	HCG23	32358287	rs9469094	6	32223191	C	G	0.0308151	-0.028313	0.0295764	0.338423	-1.22789	0.201704	1.15E-09	0.0230583	0.0243832	0.3443207	0.625894	8	0.80709253
ENSG00000198502	6	HLA-DRB5	32485120	rs35083819	6	32526526	G	A	0.852883	-0.0208016	0.0113742	0.0674249	-1.20013	0.102057	6.32E-32	0.0173328	0.0095914	0.07074403	0.5643862	20	0.54083298
ENSG00000229391	6	HLA-DRB6	32520490	rs9272323	6	32604151	T	C	0.336978	-0.00254	0.009374	0.786423	0.827742	0.0752162	3.62E-28	-0.0030685	0.0113282	0.7864865	0.8082935	20	0.94647669
ENSG00000196126	6	HLA-DRB1	32546546	rs9271481	6	32588877	G	A	0.87674	-0.0265922	0.0116783	0.022783	-0.690931	0.0776437	5.65E-19	0.0384875	0.0174469	0.02738507	0.05544395	20	0.40738371
ENSG00000179344	6	HLA-DQB1	32627244	rs9273397	6	32627109	G	A	0.472167	-0.0055764	0.00806402	0.489243	-0.866981	0.0679124	2.53E-37	0.00643194	0.0093149	0.4898797	1	20	0.86425265
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs3129726	6	32678206	A	G	0.789264	-0.0253975	0.00917367	0.00563119	-0.812425	0.100408	5.91E-16	0.0312613	0.0119344	0.00880773	0.2783036	20	0.29864866
ENSG00000237541	6	HLA-DQA2	32709119	rs9272358	6	32604538	A	G	0.370775	-0.0062262	0.00858014	0.46805	0.906563	0.0760363	9.01E-33	-0.0068679	0.00948199	0.4688727	0.7809864	20	0.85502448
ENSG00000232629	6	HLA-DQB2	32723875	rs9274557	6	32634887	T	G	0.494036	-0.0052638	0.00809046	0.515294	0.68833	0.0701837	1.04E-22	-0.0076472	0.0117796	0.5162156	1	20	0.87041275
ENSG00000241106	6	HLA-DOB	32780540	rs4148876	6	32796793	A	G	0.0735586	0.0108122	0.0154544	0.484165	1.6888	0.183397	3.31E-20	0.0064023	0.00917749	0.4854217	0.08492526	20	0.86080238
ENSG00000204267	6	TAP2	32789610	rs9276627	6	32743835	T	C	0.0924453	0.0309494	0.0133444	0.0203798	-0.806685	0.10974	1.97E-13	-0.0383662	0.0173461	0.02698033	0.655597	20	0.40738371
ENSG00000204257	6	HLA-DMA	32916390	rs73409691	6	32963948	T	G	0.0516899	-0.0240632	0.0157567	0.126717	0.622371	0.0927408	1.93E-11	-0.0386638	0.0259645	0.1364607	0.8048528	11	0.62098749
ENSG00000204252	6	HLA-DOA	32971955	rs3117037	6	33086016	C	T	0.0705765	0.02863	0.0141613	0.0432076	0.532028	0.085804	5.63E-10	0.053813	0.0279967	0.05459127	0.6699192	11	0.52780415
ENSG00000223865	6	HLA-DPB1	33043703	rs1042133	6	33048606	C	G	0.186879	0.024155	0.0110479	0.0287872	0.489804	0.0677027	4.67E-13	0.0493156	0.0235633	0.03635789	0.8185154	20	0.45477223
ENSG00000224557	6	HLA-DPB2	33080228	rs3117034	6	33087358	A	T	0.406561	0.0184967	0.00819706	0.0240392	0.876785	0.0803187	9.63E-28	0.0210961	0.00954664	0.02711993	0.4096193	20	0.40738371
ENSG00000230313	6	HCG24	33112560	rs4711318	6	33090336	A	G	0.359841	0.0210102	0.0083012	0.0113744	0.90888	0.0722615	2.80E-36	0.0231166	0.00931652	0.01309242	0.3198896	20	0.3408539
ENSG00000204248	6	COL11A2	33130458	rs17847933	6	33165780	C	G	0.0596421	-0.0174714	0.0238099	0.463079	0.427618	0.0741524	8.08E-09	-0.0408575	0.0561293	0.4666638	0.6317426	3	0.85502448
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.670228	0.0561636	7.92E-33	-0.0148329	0.026723	0.5788519	0.2720462	20	0.89657238
ENSG00000231925	6	TAPBP	33267471	rs2073525	6	33290825	G	A	0.513917	0.0130736	0.00805211	0.104456	0.206018	0.0377078	4.67E-08	0.0634585	0.0407738	0.1196237	0.4333339	3	0.61106548
ENSG00000030110	6	BAK1	33540329	rs210141	6	33546825	C	T	0.427435	0.00822054	0.00813395	0.312186	-0.335033	0.0579893	7.58E-09	-0.0245365	0.0246467	0.3194792	0.07665558	5	0.78627657
ENSG00000197251	6	LINC00336	33553883	rs210162	6	33560896	G	A	0.225646	-0.0149377	0.010929	0.171688	0.657432	0.0914674	6.59E-13	-0.0227213	0.0169217	0.1793584	0.02372506	9	0.66161927
ENSG00000196821	6	C6orf106	34555065	rs3800461	6	34616322	C	G	0.0994036	-0.0208139	0.0102026	0.0413447	0.488883	0.0560148	2.60E-18	-0.0425744	0.0214317	0.04697646	0.2880605	17	0.49940966
ENSG00000124562	6	SNRPC	34725183	rs2814981	6	34581055	A	G	0.337972	-0.0071609	0.00850737	0.399937	-0.573521	0.0502147	3.27E-30	0.0124859	0.0148738	0.4012135	0.03643928	20	0.83159183
ENSG00000112041	6	TULP1	35465651	rs76032009	6	35478499	T	A	0.0755467	-0.0324314	0.0175448	0.0645327	1.11696	0.172144	8.67E-11	-0.0290354	0.0163326	0.07544392	0.190979	19	0.54873624
ENSG00000096063	6	SRPK1	35800743	rs677937	6	35889121	C	T	0.319085	-0.0078437	0.00855448	0.359191	0.286804	0.0460064	4.55E-10	-0.0273485	0.0301478	0.3643284	0.5457559	7	0.81243949
ENSG00000112053	6	SLC26A8	35911291	rs969660	6	35962931	T	A	0.474155	0.0156865	0.00820771	0.0559796	0.229285	0.0345615	3.26E-11	0.0684149	0.0372528	0.06628359	0.3430157	9	0.53758036
ENSG00000156711	6	MAPK13	36095586	rs1059227	6	36098410	C	A	0.644135	-0.0167927	0.00930001	0.0709708	-0.399156	0.0556038	7.04E-13	0.0420705	0.024025	0.07992565	0.1840253	6	0.56214374
ENSG00000246982	6	RP1-179N16.6	36114475	rs2859135	6	36114703	T	C	0.637177	-0.0149821	0.00919647	0.103288	-0.745333	0.0807111	2.59E-20	0.0201012	0.0125293	0.1086391	0.1634415	15	0.60007461
ENSG00000198937	6	CCDC167	37450696	rs1224129	6	37413409	C	T	0.703777	-0.0112998	0.00833691	0.175293	0.426778	0.0472826	1.78E-19	-0.026477	0.0197536	0.1801262	0.1077849	19	0.66213638
ENSG00000112167	6	SAYSD1	39071840	rs7696	6	39072681	G	A	0.366799	-0.0179697	0.00839873	0.0323899	-0.364415	0.0666213	4.50E-08	0.0493111	0.0247475	0.04630896	0.03618202	5	0.49940966
ENSG00000161912	6	ADCY10P1	41068761	rs72856298	6	41113920	C	T	0.132207	0.00932996	0.0136154	0.493187	0.866456	0.0796239	1.41E-27	0.010768	0.015745	0.4940409	0.9403143	20	0.86532344
ENSG00000112599	6	GUCA1B	42152139	rs9381159	6	42174984	T	C	0.637177	0.00409611	0.0088613	0.643904	0.672802	0.0753861	4.47E-19	0.00608814	0.0131884	0.6443479	0.0178255	9	0.92320557
ENSG00000048544	6	MRPS10	42174539	rs4714583	6	42183686	A	G	0.637177	0.00411479	0.00886397	0.642494	0.357927	0.0497003	5.95E-13	0.0114962	0.0248161	0.6431824	0.02377056	7	0.92288763

ENSG00000112619	6	PRPH2	42664340	rs13193863	6	42655094	T	C	0.249503	-0.0097086	0.00925225	0.29403	0.759795	0.0898544	2.77E-17	-0.0127779	0.0122707	0.2977207	0.03481892	15	0.77110149
ENSG00000146223	6	RPL7L1	42847356	rs9471941	6	42857827	G	A	0.26839	-0.0074257	0.0106047	0.483787	-0.281172	0.0513685	4.41E-08	0.0264098	0.0380234	0.4873262	0.6762593	3	0.8628934
ENSG00000124713	6	GNMT	42928496	rs2296804	6	42931261	G	C	0.588469	0.00247486	0.00811008	0.760246	-0.960019	0.0761408	1.90E-36	-0.0025779	0.00845031	0.7603135	0.6264892	20	0.94139208
ENSG00000124587	6	PEX6	42931608	rs9986447	6	42942779	G	A	0.459245	-0.0003573	0.00832962	0.965787	0.596257	0.0523618	4.84E-30	-0.0005992	0.0139699	0.9657871	0.884675	20	0.99346727
ENSG00000112667	6	DNPH1	43193367	rs79541366	6	43131945	C	G	0.0437376	-0.0093823	0.0183974	0.610065	-0.507927	0.0758469	2.13E-11	0.0184717	0.0363254	0.6110976	0.468836	11	0.91209617
ENSG00000180992	6	MRPL14	44081194	rs4714756	6	44105981	A	G	0.5	0.00039566	0.00807989	0.960944	-0.236238	0.0394804	2.18E-09	-0.0016748	0.0342035	0.9609455	0.219437	5	0.99132464
ENSG00000196284	6	SUPT3H	44777054	rs9472367	6	44774597	T	C	0.265408	0.0028687	0.00922701	0.755875	0.643233	0.100686	1.68E-10	0.00445981	0.0143617	0.7561542	0.2729191	20	0.93884925
ENSG00000231769	6	RP1-8B1.4	46064830	rs9395156	6	46083971	G	A	0.673956	0.029017	0.00898108	0.00123399	-0.575904	0.0672054	1.04E-17	-0.0503851	0.0166664	0.00250146	0.6390013	10	0.21806063
ENSG00000153291	6	SLC25A27	46620678	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	0.638654	0.0539881	2.75E-32	0.0368863	0.0143168	0.00998234	0.7302065	20	0.30378948
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.776471	0.0727418	1.34E-26	-0.0303393	0.0118392	0.01038885	0.8572373	20	0.30983639
ENSG00000031691	6	CENPQ	49431091	rs4348317	6	49440363	A	C	0.331014	0.00286747	0.00831177	0.730103	-0.334967	0.0517097	9.30E-11	-0.0085605	0.0248489	0.7304696	0.3785158	15	0.93605801
ENSG00000112118	6	MCM3	52128807	rs72925235	6	52361027	A	G	0.0407555	0.0137089	0.0271356	0.613419	1.22873	0.126647	2.96E-22	0.011157	0.0221142	0.6138986	0.6906625	5	0.91218383
ENSG00000170915	6	PAQR8	52226219	rs6458836	6	52233226	C	T	0.755467	-0.0085643	0.0098563	0.384894	0.271462	0.0429903	2.71E-10	-0.0315488	0.0366504	0.3893462	0.906117	3	0.82705257
ENSG00000012660	6	ELOVL5	53132196	rs9370192	6	53174207	T	C	0.263419	-0.0183608	0.00948154	0.0528093	0.252742	0.0424942	2.72E-09	-0.0726464	0.039453	0.06557172	0.8077005	6	0.53758036
ENSG00000146151	6	HMGCLL1	55299167	rs924642	6	55300968	G	A	0.329026	-0.0001908	0.00847525	0.982038	-0.232244	0.0415471	2.27E-08	0.00082161	0.0364932	0.9820379	0.4301621	8	0.99662399
ENSG00000151917	6	BEND6	56819773	rs6925107	6	56828940	G	A	0.754473	-0.0012267	0.00867883	0.887595	0.541737	0.0476844	6.55E-30	-0.0022644	0.0160216	0.8876042	0.4482127	20	0.9818645
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs6915273	6	58283185	T	C	0.373757	-0.0078325	0.00860069	0.362463	-0.422783	0.0493185	1.01E-17	0.018526	0.0204575	0.365155	0.3675321	20	0.81243949
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs4529322	6	58261295	G	C	0.717694	0.00102639	0.00871051	0.906199	0.522185	0.0603774	5.21E-18	0.00196557	0.0166824	0.9062082	0.6658766	19	0.98799482
ENSG00000239650	6	GUSBP4	58246051	rs2146166	6	58290665	G	T	0.715706	0.00126463	0.00870951	0.884552	0.562597	0.0878254	1.50E-10	0.00224784	0.0154849	0.8845816	0.8391545	7	0.98128259
ENSG00000215190	6	LINC00680	58272352	rs4928430	6	58303520	A	T	0.715706	0.00127033	0.00871113	0.884057	-0.984955	0.0896518	4.44E-28	-0.0012897	0.00884497	0.884067	0.9744766	20	0.98128259
ENSG00000154079	6	C6orf57	71276620	rs1917344	6	71311062	A	G	0.383698	-0.0095667	0.008168	0.2415	-0.289994	0.0481655	1.74E-09	0.0329894	0.0286941	0.2502699	0.9494647	4	0.73968148
ENSG00000271967	6	RP11-134K13.4	71306141	rs13437371	6	71307847	A	G	0.37674	-0.0107292	0.00818265	0.189785	-0.411888	0.0590428	3.03E-12	0.0260488	0.0202141	0.1975205	0.9519283	13	0.69037633
ENSG00000196586	6	MYO6	76458909	rs10806047	6	76520824	C	G	0.16501	0.0100352	0.011625	0.388004	-0.332808	0.0603483	3.49E-08	-0.0301531	0.0353554	0.3937382	0.8816968	5	0.82705257
ENSG00000146243	6	IRAK1BP1	79577189	rs1538233	6	79743735	T	G	0.479125	0.02355	0.00808346	0.00357561	0.494524	0.0661467	7.65E-14	0.0476216	0.0175432	0.00663697	0.1623208	14	0.27428207
ENSG00000231533	6	RP1-232L24.3	80130014	rs16890720	6	80132292	A	G	0.145129	0.00334068	0.0159803	0.834409	0.636146	0.102206	4.84E-10	0.00525144	0.0251347	0.8345013	0.6402955	14	0.96255193
ENSG00000235357	6	RP1-159G19.1	80513300	rs78823145	6	80484806	A	G	0.0646123	0.00806043	0.0140819	0.567053	-0.708152	0.117874	1.88E-09	-0.0113823	0.0199755	0.5688025	0.349356	6	0.89342924
ENSG00000135315	6	KIAA1009	84833960	rs12527719	6	84893055	A	G	0.0576541	0.0127603	0.0195885	0.514778	0.396051	0.0717622	3.41E-08	0.0322188	0.0498029	0.5176791	0.8197615	5	0.87041275
ENSG00000135318	6	NT5E	86159809	rs4144167	6	86172452	T	C	0.140159	9.22E-05	0.0128489	0.994276	0.316568	0.0552305	9.94E-09	0.00029118	0.0405882	0.994276	0.6946987	10	0.99803567
ENSG00000220563	6	PKMP3	86369610	rs3087978	6	86388223	T	C	0.581511	0.0296643	0.00805484	0.00023069	0.331602	0.0455865	3.49E-13	0.0894575	0.0272264	0.00101734	0.845036	16	0.18940552
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.717739	0.0479581	1.23E-50	0.0438294	0.0115822	0.0001542	0.8439444	20	0.10369395
ENSG00000111850	6	SMIM8	88032301	rs7745870	6	88069268	T	C	0.114314	0.00879337	0.0121117	0.467823	0.698493	0.0884611	2.88E-15	0.0125891	0.0174129	0.4696964	0.4591998	16	0.85502448
ENSG00000146281	6	PM20D2	89855769	rs6917769	6	89785120	A	G	0.714712	0.00713523	0.00897601	0.426659	-0.316424	0.0541325	5.05E-09	-0.0225496	0.0286281	0.4308885	0.9790111	10	0.85492516
ENSG00000083099	6	LYRM2	90277863	rs4343895	6	90378930	T	C	0.629225	0.0101334	0.00830265	0.222274	-0.490769	0.0524441	8.13E-21	-0.020648	0.0170609	0.2261823	0.7483408	20	0.72018811
ENSG00000261366	6	MANEA-AS1	96023059	rs9400770	6	96024424	A	G	0.62326	0.00210712	0.00809436	0.794617	-0.496908	0.0757756	5.47E-11	-0.0042405	0.0163023	0.7947753	0.8107954	7	0.947444
ENSG00000123545	6	NDUFAF4	97337189	rs12202527	6	97354319	A	G	0.132207	0.0113579	0.0122035	0.352006	0.415657	0.0467013	5.57E-19	0.0273252	0.0295196	0.3546221	0.7582514	10	0.81071725
ENSG00000228506	6	RP11-98I9.4	99872798	rs6923983	6	99877219	G	T	0.493042	-0.0012717	0.00807062	0.874794	0.831604	0.0707468	6.68E-32	-0.0015292	0.00970576	0.8748056	0.3303148	20	0.977264
ENSG00000219755	6	RP1-199J3.5	100023588	rs330818	6	100038843	T	C	0.807157	0.0101427	0.00879985	0.249074	0.866212	0.0979341	9.17E-19	0.0117093	0.0102449	0.2530653	0.8933737	20	0.74108855
ENSG00000085382	6	HACE1	105175968	rs10782363	6	105149713	G	C	0.465209	0.0022135	0.0081127	0.784974	-0.258586	0.0380149	1.03E-11	-0.00856	0.0313985	0.7851418	0.4734532	11	0.94647669
ENSG00000132429	6	POPDC3	105606155	rs1190284	6	105607149	G	T	0.957256	-0.0229111	0.0176767	0.194934	-1.14019	0.159987	1.03E-12	0.0200941	0.0157576	0.202238	0.9290372	4	0.69575497
ENSG00000130348	6	QRSL1	107077453	rs2054365	6	107077502	A	G	0.383698	-0.0065645	0.00831098	0.429614	-0.727242	0.069419	1.11E-25	0.0090265	0.0114605	0.4309206	0.7572795	20	0.85492516
ENSG00000229654	6	RP1-60O19.2	107143410	rs3127659	6	107127391	C	G	0.529821	-0.0110543	0.00807698	0.171117	0.510533	0.075983	1.83E-11	-0.0216525	0.0161456	0.1798946	0.7102394	11	0.66213638
ENSG00000118690	6	ARMC2	109169619	rs2768567	6	109227822	T	C	0.771372	-0.0047014	0.0103752	0.650447	-0.408809	0.0385409	2.76E-26	0.0115003	0.0254022	0.6507452	0.2089881	20	0.92429596
ENSG00000185250	6	PPIL6	109711418	rs9480933	6	109671391	G	C	0.363817	-0.0098931	0.00830149	0.233368	0.303154	0.0543938	2.50E-08	-0.0326339	0.0280028	0.243864	0.3708739	4	0.73396771
ENSG00000135587	6	SMPD2	109761966	rs9480957	6	109751601	A	G	0.352883	-0.0115515	0.00832153	0.165094	0.428781	0.0667174	1.30E-10	-0.0269403	0.019855	0.1748269	0.3584938	12	0.65919056
ENSG00000155085	6	AK9	109814059	rs13201430	6	109956050	T	C	0.423459	-0.0179619	0.00807438	0.0261114	-0.569404	0.056762	1.11E-23	0.0315451	0.0145249	0.02987116	0.6254229	20	0.42973737
ENSG00000231889	6	TRAF3IP2-AS1	111804714	rs4947129	6	111930906	A	G	0.083499	-0.0221907	0.0163577	0.174911	0.777007	0.134995	8.62E-09	-0.0285592	0.021629	0.1866976	0.5504093	8	0.67608456
ENSG00000255389	6	C6orf3	111921078	rs9481169	6	111929862	T	G	0.105368	-0.0270014	0.0150236	0.0722936	-0.938237	0.092007	2.04E-24	0.0287789	0.0162594	0.07672956	0.3601793	20	0.54918417
ENSG00000203778	6	FAM229B	112408802	rs6940134	6	112417353	A	G	0.499006	0.00213896	0.0081114	0.792012	0.337565	0.0506891	2.75E-11	0.00633644	0.024048	0.7921718	0.1197476	3	0.94736216
ENSG00000188820	6	FAM26F	116782533	rs117361304	6	116783619	G	T	0.0914513	0.0182928	0.012437	0.141336	-0.694988	0.0943998	1.81E-13	-0.026321	0.0182489	0.149208	0.9968718	13	0.64246877
ENSG00000237742	6	RP11-624M8.1	125899704	rs6902519	6	126079087	C	T	0.600398	-0.0075187	0.0081333	0.355263	-0.557056	0.0505987	3.45E-28	0.0134971	0.0146519	0.3569526	0.5196374	20	0.81071725
ENSG00000227954	6	RP3-323P13.2	133823390	rs9402514	6	133858410	C	T	0.624254	-0.0197321	0.00850056	0.0202717	0.507632	0.061481	1.50E-16	-0.0388709	0.0173947	0.02544103	0.1247505	10	0.40738371
ENSG00000118514	6	ALDH8A1	135238528	rs9376085	6	135371224	C	T	0.491054	0.00083944	0.00813756	0.917839	-0.657747	0.0618108	1.91E-26	-0.0012762	0.0123725	0.9178433	0.3539607	20	0.98830215
ENSG00000112339	6	HBS1L	135281516	rs28384512	6	135376232	T	C	0.49006	0.00094989	0.00813813	0.907081	-0.325452	0.0387358	4.40E-17	-0.0029187	0.025008	0.90709	0.2779547	18	0.98827534
ENSG00000232876	6	CTA-212D2.2	135376171	rs2150681	6	135375232	T	C	0.488072	0.00134071	0.00813798	0.869143	-0.882603	0.0858225	8.32E-25	-0.001519	0.00922161	0.8691595	0.3319325	20	0.9765182
ENSG00000135541	6	AHI1	135604670	rs12190426	6	135712438	A	G	0.22167	-0.0057663	0.00971841	0.552953	-0.612484	0.0638132	8.15E-22	0.00941466	0.0158975	0.5537097	0.9808075	20	0.88673262
ENSG00000234084	6	RP3-388E23.2	135622706	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.549068	0.0766978	8.14E-13	-0.0081138	0.0190756	0.6705803	0.6182686	12	0.93003269
ENSG00000112357	6	PEX7	137143717	rs35265594	6	137189311	G	C	0.0984095	-0.0136978	0.0133797	0.305942	-0.609758	0.0713658	1.30E-17	0.0224643	0.0220996	0.3093896	0.00065857	10	0.77648702
ENSG00000016402	6	IL20RA	137321108	rs9376244	6	137368147	A	G	0.0745527	-0.0071563	0.016672	0.667747	-0.482932	0.0795821	1.29E-09	0.0148185	0.0346087	0.668525	0.678264	5	0.93003269
ENSG00000225177	6	RP11-390P2.4	139013685	rs1129180	6	139018132	G	A	0.22167	-0.0077603	0.0102507	0.449023	0.572841	0.0503962	6.12E-30	-0.013547	0.0179341	0.4500238	0.7967321	20	0.85502448
ENSG00000164440	6	TXLNB	139561198	rs7746727	6	139613017	C	T	0.264414	0.00238518	0.00884574	0.787436	0.38172	0.0539689	1.52E-12	0.00624851	0.0231902	0.7875865	0.8314887	3	0.94647669
ENSG00000235652	6	RP11-545I5.3	146136048	rs6570719	6	146097181	G	A	0.574553	-0.0021156	0.00806796	0.793148	-0.396925	0.047795	1.00E-16	0.00533002	0.0203363	0.7932488	0.4954842	13	0.94740847
ENSG00000228408	6	RP1-111D6.3	149539062	rs9404018	6	149532486	C	T	0.303181	-0.009263	0.00920102	0.31406	0.532045	0.0702493	3.63E-14	-0.0174102	0.0174458	0.3182981	0.2546503	18	0.78557346
ENSG00000055211	6	GINM1	149887430	rs9498372	6	149888264	A	G	0.364811	0.0139599	0.00822528	0.0896603	-0.233935	0.0417552	2.11E-08	-0.0596743	0.0367384	0.1043117	0.4625929	9	0.59966108
ENSG00000231760	6	RP11-350J20.5	150117711	rs9027	6	149916057	A	T	0.360835	0.00735101	0.0084059	0.381843	0.750984	0.0897532	5.90E-17	0.0097885	0.0112541	0.384427	0.1349196	20	0.82377214
ENSG00000203722	6	RAET1G	150238014	rs7763719	6	150186535	G	T	0.435388	0.00563924	0.00816071	0.489551	0.553352	0.0767752	5.70E-13	0.0101911	0.0148154	0.4915353	0.3008963	20	0.86532344
ENSG00000112031	6	MTRF1L	153308497	rs7752197	6	153326846	T	C	0.696819	0.0293157	0.00901911	0.00115244	-0.696916	0.0582229	5.12E-33	-0.0420649	0.0134101	0.00170801	0.03053768	20	0.19685577
ENSG00000235381	6	RP11-477D19.2	155574273	rs1331212	6	155575431	T	C	0.428429	-0.0100478	0.00811111	0.215428	0.633204	0.0692191	5.81E-20	-0.0158682	0.0129265	0.21961	0.9222464	20	0.71530986
ENSG00000271551	6	RP11-230C9.2	157097494	rs9397968	6	157113617	C	T	0.0745527	-0.006019	0.0169574	0.72263	-0.70998	0.127263	2.42E-08	0.00847763	0.0239326	0.7231672	0.6675	5	0.93605801
ENSG00000215712	6	TMEM242	157710418	rs7745331	6	157707709	A	G	0.247515	0.00217491	0.00952749	0.81943	-0.345467	0.0481237	7.04E-13	-0.0062956	0.0275925	0.8195203	0.4716988	6	0.95828989
ENSG00000146453	6	PNLDC1	160221298	rs9346795	6	160211697	T	C	0.243539	0.00164011	0.00926728	0.859525	0.566755	0.071303	1.89E-15	0.00289386	0.0163555	0.8595597	0.7473893	10	0.97404456
ENSG00000146477	6	SLC22A3	160769300	rs2292334	6	160858188	A	G	0.352883	-0.003352	0.00868558	0.699547	0.323968	0.0581103	2.47E-08	-0.0103468	0.0268742	0.7002298	0.3628016	11	0.93393482
ENSG00000026297	6	RNASET2	167342992	rs444210	6	167390242	G	A	0.523857	-0.0038849	0.00806457	0.630005	-0.2646	0.0432879	9.80E-10	0.014682	0.0305728	0.6310635	0.4256221	13	0.91762424
ENSG00000231720	6	RP11-568A7.3	167650996	rs1854859	6	167672992	A	G	0.552684	-0.0032435	0.00810232	0.688927	-0.494453	0.0592559	7.16E-17	0.00655967	0.0164053	0.689266	0.3865921	12	0.93148031
ENSG00000272549	6	RP11-351J23.2	168067520	rs76359301	6	168185097	C	A	0.238569	-0.0062651	0.0104498	0.54881	0.953427	0.108552	1.59E-18	-0.0065712	0.0109858	0.5497388	0.6899019	10	0.88397535
ENSG00000203688	6	RP11-351J23.1	168080306	rs9355106	6	168174797	G	C	0.234592	-0.0071944	0.010473	0.492113	1.01244	0.0941428	5.66E-27	-0.007106	0.0103654	0.4929956	0.7097786	13	0.86532344
ENSG00000235994	6	RP3-470B24.5	168376604	rs225755	6	168420221	G	C	0.522863	-0.0048362	0.00847723	0.568346	0.533272	0.0857562	5.02E-10	-0.0090688	0.0159634	0.5699653	0.2662654	19	0.89481159
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.727222	0.0904142	8.75E-16	-0.0099749	0.0115348	0.3871716	0.4884202	20	0.82670931
ENSG00000125337	6	KIF25	168396921	rs7748353	6	168451021	T	G	0.654076	-0.0098983	0.00842093	0.239819	-0.529664	0.0938668	1.67E-08	0.0186879	0.0162399	0.24984	0.2606923	4	0.73968148
ENSG00000226445	6	XXyac-YX65C7_A.	169613349	rs9505939	6	169612102	C	A	0.483101	-0.005322	0.00811672	0.512028	0.415973	0.0686073	1.34E-09	-0.0127941	0.0196264	0.5144776	0.371108	4	0.87041275
ENSG00000236173	6	RP1-182D15.2	170209414	rs12193054	6	170210741	T	C	0.05666	-0.0187726	0.0198814	0.345052	-0.884979	0.128353	5.39E-12	0.0212125	0.0226751	0.3495319	0.2373138	12	0.81045309
ENSG00000273100	6	RP11-302L19.3	170493905	rs903633	6	170488533	C	T	0.412525	0.0109949	0.00809405	0.174338	0.507768	0.0653525	7.87E-15	0.0216534	0.0161822	0.180865	0.6908753	20	0.66258927
ENSG00000261003	6	RP1-140C12.2	170723227	rs1022614	6	170683419	C	A	0.907555	0.0175985	0.0164013	0.283274	-0.786617	0.131196	2.03E-09	-0.0223724	0.0211817	0.2908705	0.2100199	8	0.76589445
ENSG00000240859	7	AC093627.10	149597	rs12671132	7	140806	A	G	0.0367793	-0.0325604	0.0183005	0.0752056	-1.11997	0.174424	1.35E-10	0.0290726	0.0169559	0.08641833	0.6802178	5	0.57027956
ENSG00000223855	7	AC147651.3	560028	rs62433864	7	564213	A	G	0.15507	0.00868785	0.0105839	0.411729	1.4046	0.101231	8.96E-44	0.00618528	0.00754834	0.4125454	0.2874382	18	0.84239109
ENSG00000146540	7	C7orf50	1036622	rs79396168	7	1048928	T	C	0.0725646	-0.0185223	0.0162632	0.254741	0.533172	0.063698	5.75E-17	-0.0347398	0.0307838	0.2591045	0.9153977	20	0.7469573
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.23638	0.076931	4.06E-58	-0.0058098	0.00680151	0.3929986	0.8061191	20	0.82705257
ENSG00000273230	7	RP11-1246C19.1	1504133	rs4720789	7	1504976	T	C	0.7167	0.0123546	0.00891673	0.165885	-0.286165	0.0517486	3.20E-08	-0.043173	0.0321226	0.1789459	0.8668998	7	0.66127117
ENSG00000164880	7	INTS1	1509913	rs2304358	7	1540049	G	A	0.465209	0.00587516	0.0080599	0.46604	-0.590807	0.0555689	2.12E-26	-0.0099443	0.0136742	0.4670851	0.6481634	20	0.85502448
ENSG00000230487	7	PSMG3-AS1	1609709	rs7458089	7	1628951	G	A	0.111332	-0.0016662	0.0107915	0.877297	-0.706092	0.0905634	6.36E-15	0.00235972	0.0152864	0.8773202	0.9030635	15	0.97875165
ENSG00000176349	7	AC110781.3	1878222	rs10807752	7	1883486	C	T	0.596421	-0.0157674	0.00811467	0.0520068	-0.529087	0.0819014	1.05E-10	0.0298011	0.0160159	0.06278299	0.5450736	20	0.53416173
ENSG00000122687	7	FTSJ2	2273866	rs4719462	7	2266384	G	A	0.385686	-0.0058025	0.00849248	0.494445	0.534959	0.0597467	3.43E-19	-0.0108467	0.0159212	0.4956971	0.3089171	20	0.86554515
ENSG00000174945	7	AMZ1	2719156	rs2533882	7	2846894	T	G	0.290258	-0.0278139	0.00840478	0.00093532	-0.48954	0.0743221	4.50E-11	0.0568164	0.0192138	0.00310589	0.1262735	20	0.23009226
ENSG00000157927	7	RADIL	4836686	rs117764968	7	4856101	T	C	0.0218688	-0.0149509	0.0407632	0.713788	1.11945	0.183598	1.08E-09	-0.0133556	0.0364794	0.714281	0.7957569	5	0.93605801
ENSG00000196204	7	RNF216P1	5013619	rs10951753	7	5041847	C	T	0.296223	-0.0029894	0.00883274	0.735025	-0.590878	0.0722678	2.93E-16	0.00505928	0.0149613	0.7352441	0.1411849	18	0.93605801
ENSG00000146587	7	RBAK	5085452	rs9639891	7	5036611	G	C	0.114314	-0.0247084	0.0151699	0.103359	0.685528	0.104429	5.22E-11	-0.0360429	0.0227998	0.1139136	0.7617197	13	0.60439303
ENSG00000273313	7	RBAKDN	5111756	rs1127434	7	5108770	C	A	0.517893	0.00757836	0.00814029	0.351869	-0.565125	0.0838586	1.59E-11	-0.0134101	0.0145412	0.3564185	0.6835208	19	0.81071725
ENSG00000272595	7	OR10AH1P	5156800	rs11768814	7	5177722	G	A	0.430417	-0.0048669	0.008435	0.563948	-0.474212	0.0723251	5.50E-11	0.0102631	0.0178561	0.5654485	0.2139573	18	0.89125722
ENSG00000155034	7	FBXL18	5470966	rs2966440	7	5546096	G	A	0.0685885	0.0126306	0.0157841	0.423586	0.352267	0.0593129	2.87E-09	0.0358552	0.0452121	0.427752	0.9275075	7	0.85416275
ENSG00000122674	7	CCZ1	5938356	rs7807287	7	6877519	G	A	0.44831	-0.0069425	0.00826067	0.40067	0.693414	0.0959099	4.84E-13	-0.010012	0.0119933	0.4038278	0.3187164	10	0.8337345
ENSG00000122512	7	PMS2	6012870	rs113937567	7	6020598	T	C	0.0576541	0.0150732	0.0136621	0.269903	-0.400464	0.0617018	8.57E-11	-0.0376393	0.0346051	0.2767353	0.5505362	14	0.75436188
ENSG00000086232	7	EIF2AK1	6061881	rs13225265	7	6111464	T	C	0.312127	-0.0044369	0.00843111	0.598711	-0.358985	0.0596624	1.78E-09	0.0123596	0.0235756	0.6001024	0.617117	11	0.90703156
ENSG00000187953	7	PMS2CL	6749759	rs113937567	7	6020598	T	C	0.0576541	0.0150732	0.0136621	0.269903	0.96558	0.120885	1.38E-15	0.0156105	0.0142834	0.2744336	0.7640582	18	0.75436188
ENSG00000146574	7	CCZ1B	6833765	rs62442274	7	6870932	T	A	0.451292	-0.0004856	0.00830409	0.953369	-0.805585	0.0882402	6.88E-20	0.00060279	0.0103084	0.9533697	0.2871356	14	0.99132464
ENSG00000155070	7	UNC93B2	6895116	rs67520325	7	6892958	C	T	0.397614	0.013275	0.00828079	0.108912	-0.52729	0.0864957	1.09E-09	-0.0251759	0.0162384	0.1210465	0.6808846	5	0.61188622
ENSG00000106392	7	C1GALT1	7196565	rs11771259	7	7277215	G	C	0.119284	0.00617902	0.0112802	0.583846	0.762971	0.0794582	7.83E-22	0.00809863	0.0148086	0.5844567	0.3282925	20	0.89791817
ENSG00000230825	7	AC005532.5	7294785	rs1638216	7	7316101	A	G	0.496024	-0.0034157	0.00804669	0.671212	-0.481033	0.0779925	6.93E-10	0.00710076	0.0167675	0.6719427	0.3703642	7	0.93003269
ENSG00000215018	7	COL28A1	7395834	rs11771272	7	7643041	G	C	0.689861	0.0141467	0.00865882	0.102302	0.421273	0.0575318	2.43E-13	0.0335808	0.0210593	0.1108059	0.2053957	20	0.60330103
ENSG00000272894	7	RP5-1159O4.1	7592093	rs73674582	7	7605391	T	C	0.254473	-0.0185873	0.00881886	0.035059	0.453276	0.0620823	2.85E-13	-0.0410066	0.0202503	0.04286842	0.1546332	20	0.48818593
ENSG00000164654	7	MIOS	7606503	rs17525274	7	7655600	G	A	0.0695825	-0.0140127	0.0152838	0.359227	-0.853207	0.148651	9.49E-09	0.0164236	0.0181405	0.3652769	0.646195	12	0.81243949
ENSG00000106399	7	RPA3	7676149	rs6463710	7	7677809	T	C	0.898608	0.0417503	0.013843	0.00256147	-0.345405	0.0539866	1.57E-10	-0.120873	0.0443073	0.0063706	0.1374451	13	0.27150615
ENSG00000244239	7	AC007009.1	8301863	rs9472	7	8302284	A	G	0.560636	-0.0022881	0.00805941	0.776485	0.460801	0.0603785	2.31E-14	-0.0049654	0.0175021	0.7766361	0.3963956	9	0.94504162
ENSG00000146530	7	VWDE	12370511	rs6945190	7	12357020	G	A	0.514911	-0.0008969	0.00804674	0.911253	-0.633155	0.0651039	2.35E-22	0.00141652	0.0127098	0.9112588	0.8456306	20	0.98830215
ENSG00000229108	7	AC005550.4	15728003	rs740566	7	15727202	G	A	0.619284	-0.0009311	0.00850342	0.912806	-0.722425	0.0937601	1.31E-14	0.00128889	0.0117719	0.9128144	0.6726348	12	0.98830215
ENSG00000237773	7	AC003075.4	17319458	rs138250592	7	17301557	T	G	0.0149105	-0.0727337	0.0391145	0.062955	1.88043	0.275335	8.51E-12	-0.0386793	0.021558	0.07278236	0.04914195	9	0.54762401
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-1.10389	0.112281	8.24E-23	0.029736	0.0173517	0.0865789	0.01134309	10	0.57027956
ENSG00000196683	7	TOMM7	22852251	rs4722188	7	22860211	G	C	0.331014	-0.0024841	0.0082441	0.763175	-0.30552	0.0323144	3.24E-21	0.00813063	0.0269975	0.763291	0.9518942	20	0.94139208
ENSG00000230658	7	KLHL7-AS1	23140847	rs6978827	7	23125544	T	A	0.346918	-0.0024125	0.00867972	0.781057	1.07614	0.0778181	1.71E-43	-0.0022418	0.00806723	0.7811007	0.1489308	20	0.94647156
ENSG00000136243	7	NUPL2	23221446	rs6970694	7	23250828	C	T	0.326044	-0.00063	0.00894526	0.943852	-0.597683	0.0684831	2.60E-18	0.00105409	0.014967	0.9438533	0.297942	20	0.99132464
ENSG00000226816	7	AC005082.12	23245632	rs6962213	7	23188109	A	G	0.33499	0.00373102	0.00888223	0.674446	0.494536	0.0623358	2.13E-15	0.00754449	0.0179859	0.674875	0.3204087	20	0.93020759
ENSG00000136235	7	GPNMB	23275586	rs199357	7	23288309	A	G	0.375746	0.00319838	0.00829287	0.699734	-0.796515	0.0783507	2.81E-24	-0.0040155	0.0104189	0.6999403	0.3664697	20	0.93393482
ENSG00000188732	7	FAM221A	23719749	rs2191305	7	23723212	T	C	0.480119	0.0119243	0.0081011	0.141038	0.490626	0.0586305	5.86E-17	0.0243043	0.0167653	0.1471478	0.1116221	20	0.64149144
ENSG00000105928	7	DFNA5	24737972	rs2721811	7	24749429	G	A	0.421471	0.0296628	0.00805688	0.00023171	0.760605	0.0734383	3.89E-25	0.038999	0.0112421	0.00052237	0.3464012	20	0.16706239
ENSG00000214870	7	AC004540.5	26438213	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.419234	0.04536	2.41E-20	0.007731	0.0192444	0.6878841	0.02668369	6	0.93137246
ENSG00000122548	7	KIAA0087	26572740	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.359689	0.046825	1.57E-14	0.00901084	0.0224397	0.6880091	0.03317883	6	0.93137246
ENSG00000234336	7	JAZF1-AS1	28219941	rs28446389	7	28230401	C	A	0.0894632	-0.0238541	0.0152319	0.117334	-0.903414	0.0861636	1.01E-25	0.0264044	0.0170474	0.1214106	0.2252261	18	0.61188622
ENSG00000228421	7	AC005013.5	28997283	rs1006521	7	28996220	A	G	0.617296	0.00506794	0.00809193	0.531122	0.677408	0.0966623	2.42E-12	0.00748137	0.011993	0.5327528	0.182563	15	0.87447889
ENSG00000272568	7	CTB-113D17.1	29019583	rs76335499	7	29039241	T	C	0.084493	0.00456232	0.0170198	0.788653	0.888842	0.0905348	9.45E-23	0.00513288	0.0191554	0.7887303	0.9150962	11	0.94647669
ENSG00000106069	7	CHN2	29161890	rs245914	7	29218159	T	G	0.156064	0.00961141	0.0118134	0.415872	-0.369935	0.0554013	2.43E-11	-0.0259813	0.0321699	0.419304	0.5482404	3	0.84907048
ENSG00000223813	7	AC007255.8	29553841	rs190386206	7	29731034	C	G	0.0159046	-0.0144125	0.0423384	0.733547	1.44103	0.258065	2.35E-08	-0.0100015	0.0294352	0.7340213	0.3875125	3	0.93605801
ENSG00000006625	7	GGCT	30536237	rs38497	7	30626569	G	A	0.756461	0.00014898	0.00892383	0.986681	-0.633357	0.0825111	1.64E-14	-0.0002352	0.0140898	0.9866807	0.1831189	19	0.99662399
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-0.957111	0.0582757	1.29E-60	-0.0003562	0.00932139	0.9695212	0.1900498	20	0.99434085
ENSG00000244480	7	AC005154.7	30562759	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-0.488275	0.0712887	7.42E-12	-0.0006981	0.0182719	0.9695216	0.2373605	18	0.99434085
ENSG00000226468	7	AC018641.7	32496575	rs10274556	7	32513947	G	A	0.16004	-0.019898	0.0118696	0.0936634	0.769948	0.0895278	7.96E-18	-0.0258433	0.0157063	0.09988424	0.502341	20	0.59734669
ENSG00000226421	7	SLC25A5P5	32511125	rs6462370	7	32516370	T	C	0.275348	-0.0025703	0.00851791	0.762841	-0.573442	0.0952115	1.71E-09	0.00448221	0.0148726	0.7631299	0.06306232	10	0.94139208
ENSG00000229358	7	DPY19L1P1	32620561	rs3801332	7	32625099	T	C	0.240557	0.00374142	0.00959489	0.696582	-0.45243	0.0824825	4.13E-08	-0.0082696	0.021261	0.6973078	0.199071	11	0.93344952
ENSG00000272905	7	RP11-265E18.1	32885006	rs4723182	7	32690125	A	C	0.16004	-0.0041034	0.0122975	0.738623	0.541674	0.088042	7.63E-10	-0.0075754	0.0227361	0.7389924	0.1503709	19	0.93605801
ENSG00000170852	7	KBTBD2	32907784	rs10260000	7	32898234	C	T	0.430417	-0.0102199	0.00830218	0.218328	0.251898	0.0423617	2.74E-09	-0.0405716	0.0336573	0.2280369	0.1871008	5	0.72318315
ENSG00000164610	7	RP9	33134409	rs73101892	7	32963898	A	G	0.185885	-0.0050318	0.00978013	0.606908	0.64646	0.0645693	1.35E-23	-0.0077836	0.0151487	0.6073819	0.5706013	20	0.91107285
ENSG00000271122	7	RP11-379H18.1	35734824	rs702842	7	35737085	C	G	0.544732	-0.0016145	0.00806061	0.841246	0.385684	0.0591901	7.22E-11	-0.0041862	0.0209094	0.8413199	0.4746925	3	0.96476462
ENSG00000086289	7	EPDR1	37723446	rs41276027	7	37934147	T	A	0.341948	0.00483717	0.00856887	0.572411	0.634016	0.0584099	1.90E-27	0.00762941	0.0135335	0.5729289	0.5156788	12	0.89520588
ENSG00000227191	7	TRGC2	38279181	rs11973716	7	38296768	G	A	0.459245	0.00326631	0.00808161	0.686091	-0.681511	0.0612074	8.53E-29	-0.0047928	0.0118662	0.6862864	0.421102	20	0.93137246
ENSG00000211688	7	TRGJP2	38295938	rs11973716	7	38296768	G	A	0.459245	0.00326631	0.00808161	0.686091	-0.623839	0.0691847	1.93E-19	-0.0052358	0.0129676	0.6863889	0.3851053	20	0.93137246
ENSG00000211689	7	TRGC1	38297480	rs11973716	7	38296768	G	A	0.459245	0.00326631	0.00808161	0.686091	-0.467431	0.0671614	3.41E-12	-0.0069878	0.0173185	0.6865907	0.3375475	11	0.93137246
ENSG00000106603	7	COA1	43648055	rs10951738	7	43673051	G	C	0.494036	-0.0017854	0.00809746	0.825489	-0.250045	0.0375636	2.80E-11	0.00714039	0.0324018	0.8255826	0.4216822	11	0.95959197
ENSG00000241057	7	AC004985.12	44001189	rs144652438	7	44060458	A	G	0.124254	0.0195133	0.0121324	0.107756	0.637092	0.102488	5.09E-10	0.0306287	0.0196705	0.1194495	0.2193897	20	0.61106548
ENSG00000239556	7	AC004951.5	44024593	rs7385469	7	44052127	G	A	0.588469	-0.0050094	0.0082529	0.543856	0.520651	0.0747449	3.27E-12	-0.0096215	0.0159112	0.5453784	0.8864306	12	0.88239085
ENSG00000228903	7	RASA4CP	44066550	rs4337993	7	44060464	G	A	0.328032	-0.0179744	0.00874882	0.0399273	0.352082	0.0459657	1.86E-14	-0.0510517	0.0257271	0.04721645	0.8743437	14	0.49940966
ENSG00000122678	7	POLM	44111846	rs41279606	7	44092708	A	G	0.0914513	0.00891955	0.0128455	0.487449	0.560222	0.0903991	5.75E-10	0.0159215	0.0230728	0.4901605	0.07349205	14	0.86426629
ENSG00000106624	7	AEBP1	44143960	rs55907525	7	44169389	C	G	0.277336	0.0264659	0.00988301	0.00740798	-0.460227	0.0645536	1.01E-12	-0.0575062	0.0229391	0.01217936	0.1321797	11	0.33092283
ENSG00000122515	7	ZMIZ2	44788180	rs13240323	7	44816785	A	G	0.356859	-0.0047134	0.00843264	0.5762	0.261107	0.0349119	7.49E-14	-0.0180515	0.0323858	0.5772608	0.3323015	17	0.89639273
ENSG00000136270	7	TBRG4	45139699	rs9655465	7	45138213	T	C	0.272366	-0.017203	0.0100576	0.0871826	0.327747	0.0573146	1.08E-08	-0.0524887	0.0320305	0.1012735	0.9057516	6	0.59734669
ENSG00000272556	7	RP11-638I8.1	45854201	rs76948471	7	45860303	G	C	0.508946	-0.015354	0.00808733	0.0576275	-0.469792	0.0620632	3.74E-14	0.0326825	0.0177479	0.06555	0.01588819	20	0.53758036

ENSG00000132436	7	FIGNL1	50511831	rs6964823	7	50460096	A	G	0.473161	0.0140361	0.00818279	0.0862859	0.394969	0.0534666	1.50E-13	0.0355372	0.0212687	0.09474804	0.3757835	20	0.58799519
ENSG00000234707	7	RP11-745C15.2	54827118	rs10257016	7	54848952	C	G	0.250497	-0.0093629	0.00901794	0.299155	0.755089	0.116784	1.01E-10	-0.0123997	0.0120959	0.3053085	0.8759764	13	0.77648702
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.18074	0.0734889	4.35E-58	0.0110749	0.00787143	0.1594344	0.4678085	20	0.65108594
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.746365	0.0740962	7.28E-24	0.0175204	0.012526	0.1618972	0.3828402	20	0.65108594
ENSG00000129103	7	SUMF2	56131695	rs10800	7	56147589	G	A	0.215706	0.00407307	0.00890322	0.647324	0.399684	0.0631618	2.48E-10	0.0101907	0.0223338	0.6481801	0.2896746	13	0.92429596
ENSG00000106153	7	CHCHD2	56169262	rs111872279	7	56188381	C	G	0.154076	-0.0024361	0.0105234	0.816934	0.374851	0.049727	4.77E-14	-0.0064987	0.0280868	0.8170198	0.941101	20	0.95810484
ENSG00000185290	7	NUPR1L	56182374	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.801856	0.0779298	7.86E-25	0.0163079	0.0116545	0.1617287	0.6823408	20	0.65108594
ENSG00000173041	7	ZNF680	63980262	rs2862795	7	64023581	G	A	0.251491	0.00697311	0.00927032	0.451933	-0.428855	0.0555484	1.16E-14	-0.0162598	0.0217188	0.4540667	0.6232753	20	0.85502448
ENSG00000197008	7	ZNF138	64254766	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	0.560423	0.0643193	2.96E-18	-0.0235695	0.0146722	0.1081853	0.8480126	20	0.59966108
ENSG00000182722	7	SEPHS1P1	64312775	rs58685854	7	64307537	T	C	0.0447316	0.00023305	0.0177655	0.989534	0.696865	0.113114	7.24E-10	0.00033443	0.0254935	0.9895335	0.5979079	3	0.9977297
ENSG00000213640	7	RP11-797H7.3	64323377	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	-0.480908	0.0507115	2.47E-21	0.0274666	0.0170528	0.1072508	0.6437577	20	0.59966108
ENSG00000270948	7	RP11-460N20.7	64402521	rs35408058	7	64448321	G	C	0.473161	0.00553255	0.00807058	0.493015	0.421147	0.0704896	2.31E-09	0.0131369	0.0192891	0.4958384	0.6589567	20	0.86554515
ENSG00000152926	7	ZNF117	64432154	rs13235214	7	64516150	T	C	0.482107	-0.0025036	0.00808054	0.756687	0.427678	0.0603692	1.40E-12	-0.005854	0.018912	0.7569119	0.7112207	20	0.93884925
ENSG00000213462	7	ERV3-1	64451187	rs12538650	7	64423812	C	T	0.40159	-0.0041822	0.00831495	0.614981	0.685408	0.055114	1.66E-35	-0.0061018	0.0121413	0.6152709	0.8469566	20	0.91218383
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-0.950146	0.0665675	3.20E-46	-0.0055154	0.0085825	0.5204626	0.8662771	20	0.87041275
ENSG00000227113	7	RP11-460N20.4	64535401	rs7801355	7	64482282	C	T	0.398608	-0.00432	0.00831208	0.603258	0.589475	0.0782895	5.10E-14	-0.0073285	0.0141344	0.6041194	0.857852	20	0.90860489
ENSG00000226002	7	RP11-460N20.5	64544481	rs12530729	7	64437121	G	C	0.40159	-0.0041983	0.00831366	0.61357	0.971735	0.0808336	2.74E-33	-0.0043204	0.00856303	0.6138822	0.704617	19	0.91218383
ENSG00000164669	7	INTS4L1	64601603	rs10949972	7	64620753	A	T	0.385686	-0.0046296	0.00888611	0.60237	-0.601279	0.0606588	3.67E-23	0.00769964	0.0147991	0.6028698	0.8107713	20	0.90798731
ENSG00000224316	7	RP11-479O9.2	65238607	rs71562965	7	64572483	G	A	0.397614	-0.0037421	0.00831514	0.652687	0.501371	0.0916137	4.43E-08	-0.0074637	0.0166408	0.6537793	0.600069	15	0.92458065
ENSG00000241258	7	CRCP	65579591	rs6957031	7	66457335	C	T	0.255467	-0.0161936	0.00932495	0.0824594	-0.4167	0.072346	8.42E-09	0.0388615	0.0233731	0.09638016	0.3386969	6	0.59357691
ENSG00000179406	7	LINC00174	65841031	rs4718347	7	65904888	G	A	0.055666	-0.0081096	0.0150897	0.590975	0.588783	0.0890356	3.77E-11	-0.0137734	0.0257131	0.5921957	0.3223671	10	0.90284171
ENSG00000237310	7	GS1-124K5.4	65958693	rs12668005	7	65909021	C	T	0.361829	-0.0189529	0.00879169	0.0311014	0.609727	0.059566	1.37E-24	-0.0310842	0.0147354	0.03490148	0.2849167	8	0.454581
ENSG00000226824	7	RP4-756H11.3	66119525	rs3778909	7	66255646	C	G	0.54175	-0.0150754	0.00826534	0.0681632	-1.17354	0.0751698	6.05E-55	0.0128461	0.00709099	0.07004676	0.8763532	17	0.53894294
ENSG00000273142	7	RP11-458F8.4	66367844	rs2901311	7	66415069	C	T	0.2833	-0.0098574	0.00831194	0.235648	-0.460148	0.0609708	4.45E-14	0.0214223	0.0182853	0.2413743	0.04598735	13	0.73372296
ENSG00000198874	7	TYW1	66460160	rs56106251	7	66566206	G	A	0.218688	-0.018098	0.0109504	0.0983853	0.95301	0.084703	2.28E-29	-0.0189904	0.0116136	0.1020118	0.5337712	9	0.59893029
ENSG00000067601	7	PMS2P4	66752528	rs12539705	7	66736143	A	G	0.186879	-0.0046415	0.0104364	0.656511	-0.57586	0.0799923	6.07E-13	0.00806005	0.0181577	0.6571211	0.4644575	20	0.92532717
ENSG00000106610	7	STAG3L4	66767608	rs887715	7	66786384	C	T	0.39662	0.00301849	0.00892432	0.735189	-0.847817	0.0605714	1.63E-44	-0.0035603	0.0105293	0.7352628	0.3532478	20	0.93605801
ENSG00000235475	7	RP11-166O4.5	66800963	rs887715	7	66786384	C	T	0.39662	0.00301849	0.00892432	0.735189	0.563523	0.0794562	1.32E-12	0.00535646	0.0158547	0.7354778	0.4921559	20	0.93605801
ENSG00000196313	7	POM121	72349936	rs10231271	7	72364533	A	G	0.526839	0.00699207	0.00812965	0.38975	-0.238444	0.0347268	6.59E-12	-0.0293237	0.034361	0.3934368	0.3246141	10	0.82705257
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.703106	0.0939088	7.04E-14	-0.0127809	0.0126042	0.3105748	0.3732891	11	0.77692725
ENSG00000106638	7	TBL2	72983262	rs190736168	7	73006683	T	C	0.0437376	0.0167943	0.0220039	0.44532	0.83446	0.131673	2.34E-10	0.0201259	0.0265596	0.448591	0.4499575	3	0.85502448
ENSG00000189143	7	CLDN4	73213872	rs4717819	7	73234962	A	G	0.72167	0.00308819	0.00868141	0.722046	-0.699017	0.0894311	5.44E-15	-0.0044179	0.0124323	0.7223224	0.8394368	14	0.93605801
ENSG00000165171	7	WBSCR27	73248920	rs10225983	7	73258750	A	G	0.725646	0.00539923	0.00869587	0.534668	-1.11672	0.0789523	2.03E-45	-0.0048349	0.00779447	0.5350613	0.2297396	20	0.87447889
ENSG00000196275	7	GTF2IRD2	74210483	rs810366	7	74140925	G	C	0.806163	-0.0368269	0.0104766	0.0004395	-0.742287	0.0627279	2.62E-32	0.0496128	0.0147235	0.00075269	0.1003926	20	0.17110293
ENSG00000123965	7	PMS2P5	74306894	rs1635749	7	74360737	C	T	0.809145	-0.0231069	0.0104641	0.0272301	-1.17745	0.097569	1.56E-33	0.0196245	0.00903464	0.02984495	0.07765022	20	0.42973737
ENSG00000184616	7	AC004166.6	74320406	rs2529275	7	74294925	C	T	0.798211	-0.0232974	0.0104219	0.0253898	-0.611095	0.090472	1.43E-11	0.038124	0.0179642	0.033819	0.03593263	6	0.44598806
ENSG00000205583	7	STAG3L1	74988448	rs113160991	7	75094329	G	A	0.810139	0.0086599	0.0112174	0.440112	-0.578276	0.0905186	1.68E-10	-0.0149754	0.0195391	0.4434204	0.2757487	7	0.85502448
ENSG00000127952	7	STYXL1	75625656	rs111710510	7	75725716	A	G	0.107356	0.0109453	0.0169167	0.517622	0.769803	0.119403	1.14E-10	0.0142183	0.0220857	0.5197196	0.8773484	8	0.87041275
ENSG00000188372	7	ZP3	76026835	rs34573489	7	76060232	A	G	0.0626243	-0.0048161	0.0164539	0.769751	1.36735	0.126966	4.80E-27	-0.0035222	0.0120379	0.7698334	0.08200867	20	0.94219749
ENSG00000243566	7	UPK3B	76139745	rs7807719	7	76134433	A	C	0.405567	0.00069896	0.00806612	0.930947	-0.601924	0.0674299	4.39E-19	-0.0011612	0.0134012	0.9309501	0.7455295	20	0.99132464
ENSG00000230305	7	AC004980.9	76153832	rs2527970	7	76278868	T	C	0.523857	-0.0022421	0.00821176	0.784827	-0.560263	0.0949961	3.68E-09	0.00400185	0.0146727	0.7850516	0.9632293	18	0.94647669
ENSG00000205485	7	AC004980.7	76178677	rs17718122	7	76209459	G	A	0.300199	-0.0094069	0.00952288	0.32324	0.641507	0.0907655	1.57E-12	-0.0146638	0.0149888	0.3279191	0.9743559	6	0.79105484
ENSG00000146707	7	POMZP3	76239303	rs41278779	7	76255061	C	T	0.209742	0.0119927	0.0109203	0.272118	-1.17454	0.0955015	9.21E-35	-0.0102106	0.00933451	0.2740207	0.4514732	20	0.75436188
ENSG00000233448	7	PMS2P9	76669261	rs1861028	7	76634033	G	A	0.267396	0.00240157	0.00979998	0.806411	-0.703859	0.0953597	1.57E-13	-0.003412	0.0139309	0.8065155	0.5083942	14	0.95318206
ENSG00000186088	7	GSAP	76940068	rs9641220	7	77046463	T	C	0.651093	-0.0040365	0.00839458	0.630629	0.509434	0.0560131	9.47E-20	-0.0079234	0.0165013	0.6311061	0.4965764	12	0.91762424
ENSG00000127947	7	PTPN12	77166592	rs11762421	7	77112367	T	C	0.309145	0.0141692	0.00914501	0.121288	-0.247937	0.0442641	2.13E-08	-0.0571484	0.0382695	0.1353549	0.3437175	13	0.61996854
ENSG00000214293	7	RSBN1L-AS1	77286977	rs7789485	7	77280242	A	G	0.149105	0.00061467	0.0129547	0.962156	-0.793225	0.085997	2.87E-20	-0.0007749	0.0163319	0.962157	0.4578571	20	0.99132464
ENSG00000187391	7	MAGI2	77646393	rs4996259	7	78117710	A	G	0.295229	0.00176527	0.00891832	0.843094	-0.300632	0.0519036	6.95E-09	-0.0058719	0.0296826	0.8431843	0.3527702	5	0.96551314
ENSG00000261462	7	CTA-254O6.1	86738855	rs11978252	7	86728725	G	A	0.223658	0.00848198	0.00909591	0.351076	0.610058	0.0874979	3.12E-12	0.0139036	0.0150427	0.3553432	0.1755953	17	0.81071725
ENSG00000157214	7	STEAP2	89796904	rs110360	7	89856608	T	C	0.511928	-0.0059691	0.00816489	0.464737	0.311846	0.0350558	5.80E-19	-0.0191412	0.0262707	0.4662385	0.04101353	20	0.85502448
ENSG00000105793	7	GTPBP10	89964537	rs917660	7	90032932	A	G	0.254473	-0.0085778	0.00959845	0.371504	-0.402266	0.0728258	3.32E-08	0.0213236	0.0241712	0.3776747	0.2063145	6	0.82153981
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.56264	0.159822	1.41E-22	0.0122073	0.0119267	0.3060581	0.171299	19	0.77648702
ENSG00000177409	7	SAMD9L	92759368	rs75069192	7	92820113	T	C	0.0427435	-0.0113878	0.022891	0.618851	-0.827685	0.117223	1.66E-12	0.0137586	0.0277252	0.6197186	0.7438559	14	0.91395475
ENSG00000127995	7	CASD1	94138531	rs17166357	7	94189270	G	A	0.141153	-0.0003382	0.0109679	0.975404	-0.280575	0.0402195	3.03E-12	0.00120524	0.0390912	0.9754039	0.7932	3	0.99631719
ENSG00000231170	7	AC002451.3	95225994	rs3807892	7	95226733	G	A	0.370775	0.0104437	0.00874058	0.232146	0.654566	0.0876979	8.40E-14	0.0159552	0.0135233	0.2380679	0.6680812	12	0.733128
ENSG00000183444	7	OR7E38P	97595402	rs62476922	7	97613544	A	T	0.289264	-0.0050155	0.00887005	0.571771	0.418167	0.0595093	2.11E-12	-0.0119941	0.0212803	0.573011	0.5198531	14	0.89520588
ENSG00000180535	7	BHLHA15	97840739	rs56006208	7	97733207	A	T	0.22167	0.00662742	0.00913522	0.468158	0.59878	0.0930591	1.24E-10	0.0110682	0.0153531	0.4709635	0.1214025	20	0.85568282
ENSG00000272950	7	RP11-307C18.1	97952165	rs6951479	7	97888121	A	G	0.575547	-0.01948	0.00805761	0.0156236	0.710351	0.0837907	2.30E-17	-0.0274231	0.0117954	0.02007708	0.01850682	20	0.37160209
ENSG00000244219	7	GS1-259H13.2	99195689	rs57980352	7	98985408	A	G	0.0685885	0.0220807	0.0136589	0.105969	-0.676006	0.117481	8.71E-09	-0.0326635	0.0209875	0.1196303	0.7460869	11	0.61106548
ENSG00000146833	7	TRIM4	99474581	rs2527906	7	99521698	T	C	0.532803	-0.0001255	0.00821296	0.987807	0.545183	0.0609946	3.96E-19	-0.0002302	0.0150646	0.9878071	0.03739555	12	0.99662399
ENSG00000166529	7	ZSCAN21	99647390	rs3736591	7	99751017	G	A	0.606362	0.0146195	0.00815078	0.0728719	-0.501357	0.0768414	6.82E-11	-0.0291599	0.0168606	0.08372467	0.00382222	10	0.57012048
ENSG00000221838	7	AP4M1	99699172	rs59261051	7	99650429	T	C	0.274354	0.0254515	0.00874956	0.00362719	0.39697	0.0550018	5.30E-13	0.0641144	0.0237637	0.00697575	0.901697	20	0.27785555
ENSG00000214309	7	MBLAC1	99724317	rs6972742	7	99616847	C	T	0.935388	0.0173984	0.0217919	0.424644	-0.729904	0.116056	3.19E-10	-0.0238366	0.0300954	0.428342	0.1694342	18	0.85416275
ENSG00000066923	7	STAG3	99775186	rs2070215	7	99696797	C	T	0.27336	0.0209886	0.00886454	0.0178991	0.476259	0.049904	1.38E-21	0.0440697	0.0191771	0.02155977	0.1684438	20	0.38719205
ENSG00000213413	7	PVRIG	99815864	rs7811662	7	99792608	G	A	0.26839	0.0281586	0.00906676	0.00189837	0.579003	0.0723538	1.22E-15	0.0486329	0.0167972	0.00378799	0.6573277	20	0.2393289
ENSG00000242294	7	STAG3L5P	99933702	rs113387325	7	99913146	T	G	0.173956	-0.0150587	0.00987171	0.127148	0.669553	0.053725	1.19E-35	-0.0224907	0.0148538	0.1299905	0.5992686	20	0.61757097
ENSG00000121716	7	PILRB	99933737	rs10085549	7	99983135	T	C	0.177932	-0.0150274	0.00985786	0.127406	0.773132	0.0531467	6.09E-48	-0.019437	0.0128204	0.1294925	0.6543907	20	0.61757097
ENSG00000085514	7	PILRA	99965153	rs6965458	7	99973402	A	G	0.175944	-0.0149706	0.00985897	0.128895	1.05598	0.0710864	6.47E-50	-0.014177	0.00938497	0.1308895	0.8252374	20	0.61757097
ENSG00000078487	7	ZCWPW1	99998449	rs73401451	7	99981895	C	T	0.175944	-0.0149683	0.00985744	0.128895	0.572001	0.0595991	8.19E-22	-0.0261683	0.0174476	0.1336607	0.6824944	20	0.61757097
ENSG00000205307	7	SAP25	100169855	rs17855473	7	100160264	C	T	0.186879	0.00995461	0.00996128	0.317635	0.334291	0.0543163	7.53E-10	0.0297783	0.0301885	0.3239312	0.7609386	8	0.78892126
ENSG00000146830	7	GIGYF1	100277130	rs221780	7	100297035	C	G	0.823062	-0.0187061	0.0102562	0.0681695	-0.352626	0.0462382	2.42E-14	0.053048	0.0299054	0.07608654	0.5746615	13	0.54873624
ENSG00000176125	7	UFSP1	100486346	rs74818172	7	100512536	C	T	0.269384	0.00931244	0.00920157	0.311514	-0.540417	0.0916488	3.71E-09	-0.017232	0.0172758	0.3185393	0.5470404	11	0.78557346
ENSG00000106404	7	CLDN15	100875373	rs73713820	7	100898967	T	C	0.0596421	-0.007745	0.0170817	0.650252	0.763219	0.110145	4.23E-12	-0.0101478	0.022429	0.6509496	0.1458262	9	0.92429596
ENSG00000160963	7	COL26A1	101006101	rs13228295	7	101012467	T	C	0.533797	-0.0186127	0.00807031	0.0210926	0.504179	0.050861	3.66E-23	-0.0369168	0.0164344	0.02468338	0.07283859	20	0.40689009
ENSG00000160999	7	SH2B2	101928405	rs2023482	7	101929278	C	T	0.366799	0.00342718	0.00816837	0.674801	0.389587	0.0544003	7.98E-13	0.00879696	0.0210027	0.6753265	0.1626944	15	0.93020759
ENSG00000128563	7	PRKRIP1	102004319	rs62482951	7	102073463	G	C	0.292247	0.0107651	0.00842393	0.201276	0.33084	0.0542371	1.06E-09	0.0325387	0.026015	0.2110199	0.04154805	6	0.70128891
ENSG00000267368	7	UPK3BL	102277472	rs4729851	7	102351847	T	A	0.714712	0.00767202	0.00884246	0.385595	-0.506976	0.0825153	8.05E-10	-0.0151329	0.0176146	0.3902797	0.2075413	9	0.82705257
ENSG00000228049	7	POLR2J2	102277474	rs4403333	7	102347590	G	A	0.898608	0.00186862	0.0142083	0.895367	-1.24394	0.132721	7.08E-21	-0.0015022	0.0114231	0.8953773	0.7690972	12	0.9845666
ENSG00000170632	7	ARMC10	102715328	rs1061844	7	102739188	T	C	0.121272	0.00237646	0.0144942	0.869763	-0.53537	0.0787764	1.08E-11	-0.0044389	0.0270811	0.8698007	0.00103302	6	0.9765182
ENSG00000128536	7	CDHR3	105517242	rs28520423	7	105542965	A	G	0.405567	0.00458888	0.00827697	0.579295	0.313879	0.0567396	3.17E-08	0.0146199	0.026502	0.5811869	0.7865771	4	0.89729587
ENSG00000091140	7	DLD	107531415	rs881177	7	107573268	A	C	0.61332	-0.002162	0.00836144	0.795967	0.204754	0.0338348	1.43E-09	-0.0105591	0.0408738	0.7961487	0.843137	12	0.94801002
ENSG00000177683	7	THAP5	108194987	rs40941	7	108202925	T	C	0.318091	-0.0162377	0.00873597	0.0630667	0.484604	0.052819	4.52E-20	-0.0335072	0.0183932	0.06849905	0.2102984	20	0.53758036
ENSG00000146802	7	TMEM168	112402437	rs35548417	7	112582625	T	C	0.688867	0.00758326	0.00895869	0.397291	-0.30134	0.0533095	1.58E-08	-0.0251651	0.030061	0.4025163	0.9645743	4	0.83271709
ENSG00000105976	7	MET	116312444	rs187437	7	116445091	A	G	0.444334	-0.0170902	0.00827342	0.0388597	-0.578633	0.0639796	1.51E-19	0.0295355	0.0146664	0.04402894	0.8075055	20	0.48930389
ENSG00000106013	7	ANKRD7	117854727	rs6965144	7	117822559	C	T	0.666998	0.00463284	0.00990144	0.639859	-0.544474	0.0852857	1.72E-10	-0.0085088	0.0182341	0.6407546	0.04155073	12	0.92192422
ENSG00000196937	7	FAM3C	120988905	rs11762263	7	121028452	A	G	0.173956	-0.0149963	0.0104835	0.152584	-0.218499	0.0376675	6.60E-09	0.0686333	0.049417	0.1648752	0.1714531	8	0.6547428
ENSG00000234224	7	TMEM229A	123670973	rs34617149	7	123648254	C	T	0.166004	-0.0122786	0.0127685	0.336233	0.399293	0.0678447	3.97E-09	-0.0307509	0.0324018	0.3425967	0.06320584	4	0.80678464
ENSG00000242593	7	RP5-921G16.1	123672259	rs12706596	7	124020567	T	C	0.241551	-0.0083195	0.00937089	0.374645	-0.975586	0.085043	1.83E-30	0.00852773	0.00963412	0.3760709	0.1208529	20	0.81974132
ENSG00000165055	7	METTL2B	128116783	rs3807126	7	128354995	T	C	0.214712	0.00014807	0.00895156	0.986802	0.672995	0.112899	2.51E-09	0.00022002	0.0133011	0.9868023	0.1409575	11	0.99662399
ENSG00000273270	7	RP11-212P7.2	128164070	rs1450874	7	128336850	A	G	0.291252	-0.0105588	0.00900235	0.24084	-0.413257	0.0594181	3.52E-12	0.0255502	0.0220915	0.2474508	0.359214	14	0.73815437
ENSG00000230715	7	RP11-274B21.4	128292895	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.293674	0.0486034	1.52E-09	-0.018195	0.0277654	0.5122655	0.3599892	5	0.87041275
ENSG00000229413	7	AC018638.1	128293740	rs12706857	7	128336193	T	C	0.447316	-0.0035669	0.00809156	0.659347	0.371016	0.0542569	8.02E-12	-0.0096138	0.0218545	0.6600091	0.09931752	9	0.92758828
ENSG00000243679	7	RP11-274B21.3	128294023	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.270805	0.0454535	2.56E-09	-0.0197316	0.0301152	0.5123363	0.2965284	9	0.87041275
ENSG00000271553	7	RP11-274B21.10	128307097	rs7794231	7	128354509	A	G	0.318091	0.00713512	0.00921158	0.438586	-0.658644	0.0793846	1.07E-16	-0.010833	0.0140465	0.4405718	0.05927464	20	0.85502448
ENSG00000271344	7	RP11-274B21.9	128330505	rs1450874	7	128336850	A	G	0.291252	-0.0105588	0.00900235	0.24084	0.269269	0.0436686	7.00E-10	-0.0392128	0.034032	0.2492248	0.0188983	7	0.73968148
ENSG00000135248	7	FAM71F1	128349115	rs339066	7	128371206	A	G	0.587475	-0.0044478	0.00831119	0.592538	-0.473366	0.0757401	4.11E-10	0.00939618	0.0176219	0.5938879	0.0298684	5	0.90324613
ENSG00000128617	7	OPN1SW	128412545	rs339082	7	128426806	A	T	0.388668	-0.0030835	0.00856319	0.718783	0.410996	0.0715396	9.19E-09	-0.0075025	0.0208761	0.7193107	0.6721592	7	0.93605801
ENSG00000128510	7	CPA4	129932974	rs35440991	7	129869485	A	C	0.223658	0.00798897	0.00932381	0.391536	0.513876	0.0898726	1.08E-08	0.0155465	0.0183467	0.3967868	0.5628977	6	0.82778514
ENSG00000223500	7	AC083862.6	134813196	rs55779005	7	134771696	C	T	0.400596	0.00298661	0.00812156	0.713068	-0.525104	0.0885	2.97E-09	-0.0056877	0.0154963	0.7135935	0.9344445	7	0.93605801
ENSG00000223718	7	AC093107.7	135344787	rs61740269	7	135333172	T	C	0.0497018	-0.0671409	0.0382846	0.0794767	1.4925	0.208137	7.46E-13	-0.0449855	0.0264073	0.08846991	0.02732097	12	0.57027956
ENSG00000006459	7	JHDM1D	139784546	rs62491441	7	139875255	G	C	0.0775348	0.00089789	0.0144682	0.950515	0.684503	0.111254	7.62E-10	0.00131174	0.0211379	0.9505179	0.8962534	6	0.99132464
ENSG00000228775	7	WEE2-AS1	141404138	rs62486738	7	141437940	A	C	0.412525	-0.0005564	0.00829619	0.946528	0.39571	0.054931	5.86E-13	-0.0014061	0.0209662	0.9465304	0.9329492	17	0.99132464
ENSG00000127364	7	TAS2R4	141478242	rs1859646	7	141495604	A	G	0.473161	-0.0014263	0.00804203	0.859226	0.641991	0.0505064	5.13E-37	-0.0022217	0.0125279	0.8592396	0.9681661	20	0.97403056
ENSG00000165076	7	PRSS37	141536086	rs57641758	7	141479730	G	A	0.472167	-0.0014843	0.00804185	0.853565	-0.439428	0.0743677	3.44E-09	0.0033778	0.0183096	0.8536354	0.9790948	7	0.97158171
ENSG00000257335	7	MGAM	141607613	rs2013816	7	141442652	G	A	0.472167	-0.0011976	0.00804398	0.881646	-0.589423	0.0706863	7.52E-17	0.00203185	0.0136494	0.8816639	0.9525413	20	0.98083172
ENSG00000213214	7	ARHGEF35	143883176	rs6464583	7	143874482	G	A	0.162028	-0.0233692	0.0107356	0.0294951	-1.09122	0.111519	1.30E-22	0.0214157	0.0100787	0.03359898	0.6013187	15	0.44494047
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.530097	0.0493913	7.16E-27	-0.0221303	0.016589	0.1821921	0.9304708	20	0.66437653
ENSG00000181444	7	ZNF467	149461271	rs709062	7	149472640	T	C	0.156064	-0.0026391	0.012273	0.829739	-0.638577	0.0751096	1.86E-17	0.00413283	0.0192254	0.8297933	0.2079972	17	0.96130886
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.689493	0.0529991	1.08E-38	0.00795268	0.0145222	0.5839518	0.2828721	18	0.89791817
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs12540296	7	149583591	C	T	0.602386	-0.0069248	0.0080868	0.391828	0.492783	0.0652135	4.14E-14	-0.0140524	0.0165155	0.394846	0.8094525	14	0.82705257
ENSG00000171130	7	ATP6V0E2	149570057	rs7799585	7	149577420	T	C	0.600398	-0.0032137	0.00806772	0.690383	0.537076	0.0465805	9.31E-31	-0.0059836	0.0150305	0.6905579	0.1527611	20	0.9320323
ENSG00000241449	7	RP11-545G3.1	149737610	rs7796699	7	149740837	C	T	0.867793	0.00692764	0.0114745	0.546016	-0.840601	0.119912	2.38E-12	-0.0082413	0.0137009	0.5474967	0.1507551	3	0.88275623
ENSG00000106526	7	ACTR3C	149941005	rs6954041	7	149988977	A	G	0.0964215	-0.0137715	0.00990695	0.164504	-0.776447	0.106374	2.89E-13	0.0177366	0.0129887	0.1720827	0.2471367	7	0.65919056
ENSG00000127399	7	LRRC61	150019728	rs1962004	7	150020381	A	G	0.253479	-0.0084057	0.00915145	0.358353	0.907971	0.0640788	1.41E-45	-0.0092576	0.0101002	0.3593611	0.6089058	20	0.81243949
ENSG00000188707	7	ZBED6CL	150026938	rs11769348	7	150026753	C	T	0.244533	-0.0087216	0.00915509	0.340766	-0.738046	0.088886	1.01E-16	0.0118172	0.0124859	0.3439218	0.6288695	20	0.80709253
ENSG00000261305	7	RP4-584D14.7	150038860	rs3735169	7	150034378	G	A	0.245527	-0.0112503	0.00913856	0.218292	0.719191	0.0935939	1.54E-14	-0.015643	0.0128688	0.2241454	0.7657321	15	0.71746678
ENSG00000002933	7	TMEM176A	150497491	rs741068	7	150500356	C	T	0.680915	0.00771257	0.00859847	0.369735	0.294239	0.0446258	4.30E-11	0.0262119	0.0294919	0.3741194	0.8909035	5	0.81854251
ENSG00000187260	7	WDR86	151072995	rs61045170	7	151186763	G	T	0.523857	-0.0104839	0.00805851	0.193268	0.545186	0.0619814	1.42E-18	-0.01923	0.014942	0.1981041	0.4966869	12	0.69037633
ENSG00000261455	7	LINC01003	152160871	rs12671476	7	152147964	C	G	0.353877	-0.0073114	0.00826828	0.376549	-0.390914	0.0637044	8.44E-10	0.0187034	0.0213696	0.3814474	0.6495209	4	0.82180041
ENSG00000214106	7	PAXIP1-AS2	154720208	rs1357660	7	154718562	A	T	0.455268	-0.0194975	0.00806098	0.015574	0.438939	0.0685953	1.56E-10	-0.0444196	0.0196329	0.02366566	0.1551249	6	0.39794617
ENSG00000273117	7	AC144652.1	155087628	rs11980656	7	155092205	G	T	0.735586	-0.0022289	0.00897818	0.803939	0.414813	0.0666385	4.82E-10	-0.0053732	0.0216611	0.8040912	0.5843948	13	0.95209452
ENSG00000218672	7	AC008060.7	155174771	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.799065	0.0789116	4.23E-24	-0.0029312	0.0102522	0.7749511	0.5533671	20	0.94408015
ENSG00000260426	7	RP5-912I13.1	155192617	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.879249	0.0799762	4.09E-28	-0.0026639	0.00931671	0.7749379	0.5096945	20	0.94408015
ENSG00000233878	7	AC073133.1	156230483	rs9638048	7	156431052	A	C	0.392644	-0.0090159	0.00807847	0.264408	0.55644	0.0940704	3.32E-09	-0.0162027	0.0147743	0.272779	0.7698312	4	0.75436188
ENSG00000182648	7	LINC01006	156264890	rs9638048	7	156431052	A	C	0.392644	-0.0090159	0.00807847	0.264408	-0.602148	0.0568065	2.98E-26	0.0149728	0.0134902	0.2670423	0.7535446	20	0.75271127
ENSG00000155093	7	PTPRN2	157331750	rs11766174	7	158319010	A	G	0.0894632	-0.0116057	0.0128781	0.367483	-0.28085	0.0496291	1.52E-08	0.0413235	0.0464318	0.3734756	0.3465129	4	0.81854251
ENSG00000126870	7	WDR60	158649269	rs2657381	7	158651087	A	G	0.234592	0.0108228	0.00934299	0.246704	-0.344805	0.0517022	2.57E-11	-0.0313882	0.0275022	0.2537457	0.6406996	10	0.74108855
ENSG00000104714	8	ERICH1	564746	rs11784674	8	679799	A	G	0.507952	-0.0167866	0.00808306	0.0378234	0.379685	0.0634776	2.21E-09	-0.0442119	0.0225355	0.04977707	0.8985711	14	0.50985251
ENSG00000253982	8	CTD-2336O2.1	1710156	rs6558535	8	1710632	C	T	0.688867	0.0139258	0.00951819	0.143448	0.368576	0.0462718	1.65E-15	0.0377827	0.0262562	0.1501506	0.4543087	20	0.64393855
ENSG00000036448	8	MYOM2	1993155	rs4876220	8	2075378	C	T	0.446322	0.0131483	0.00808165	0.103751	0.575713	0.0854198	1.59E-11	0.0228383	0.0144408	0.113762	0.5684675	12	0.60439303
ENSG00000253444	8	AC133633.2	2350992	rs58911548	8	2368035	A	C	0.421471	0.0120276	0.00806212	0.135735	-0.566105	0.0770139	1.97E-13	-0.0212462	0.0145317	0.1437254	0.6217072	10	0.63428936
ENSG00000254319	8	RP11-134O21.1	2523591	rs6558682	8	2586464	T	G	0.372763	-0.0069777	0.00876685	0.426079	-0.617574	0.101003	9.69E-10	0.0112986	0.0143154	0.4299594	0.8793237	7	0.85492516
ENSG00000147316	8	MCPH1	6264113	rs2515564	8	6285539	G	A	0.816103	0.0144891	0.0128087	0.257973	-0.62166	0.0944923	4.74E-11	-0.0233071	0.0209064	0.2649221	0.2013384	20	0.75169485
ENSG00000271743	8	CTD-2541M15.3	6473125	rs3020259	8	6472795	A	C	0.358847	0.0161875	0.00844539	0.0552726	-0.528202	0.0742323	1.11E-12	-0.0306464	0.0165589	0.06420478	0.7554894	20	0.53758036
ENSG00000249898	8	CTD-2541M15.1	6475996	rs11137045	8	6513331	T	C	0.628231	-0.0040676	0.00821527	0.620516	-0.492383	0.0649871	3.55E-14	0.00826095	0.0167203	0.621259	0.6549804	20	0.91426882
ENSG00000233295	8	FAM90A20P	7152536	rs181776644	8	7163005	A	T	0.0735586	0.0229737	0.0159143	0.148856	-0.776503	0.132049	4.09E-09	-0.0295861	0.0211034	0.1609268	0.9202018	4	0.65108594
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-0.877531	0.0841742	1.90E-25	-0.0211959	0.00960316	0.0273012	0.9019261	20	0.40738371
ENSG00000233609	8	RP11-62H7.2	8818710	rs13259143	8	8821637	G	A	0.361829	0.0113233	0.00813056	0.163717	0.695205	0.0841098	1.39E-16	0.0162877	0.0118601	0.1696511	0.03483223	20	0.65890878
ENSG00000175806	8	MSRA	9911778	rs3750314	8	10285810	C	T	0.0337972	0.0444768	0.0218777	0.0420552	0.932697	0.123322	3.94E-14	0.0476862	0.024289	0.04961328	0.5150022	7	0.50985251
ENSG00000261451	8	RP11-981G7.1	10291182	rs6994738	8	10292817	G	A	0.361829	-0.0013392	0.00821241	0.87046	-0.399924	0.061718	9.18E-11	0.00334871	0.0205414	0.8705009	0.05362074	15	0.9765182
ENSG00000253678	8	RP11-981G7.3	10335001	rs6601468	8	10336140	G	A	0.677932	0.0101776	0.00853338	0.232993	-0.687172	0.0889997	1.15E-14	-0.0148108	0.0125654	0.2385172	0.2511409	20	0.733128
ENSG00000184647	8	PRSS55	10383056	rs62490633	8	10341150	G	C	0.0994036	-0.01858	0.0135023	0.168804	0.866495	0.129634	2.32E-11	-0.0214427	0.0159094	0.1777237	0.3777236	20	0.65919056
ENSG00000255310	8	AF131215.2	10965298	rs7460507	8	10969075	T	C	0.446322	-0.0235114	0.00852051	0.00579109	-0.312937	0.0527093	2.90E-09	0.0751314	0.0300247	0.01233817	0.8110728	9	0.33092283
ENSG00000154316	8	TDH	11197146	rs2164273	8	11168499	G	A	0.390656	0.015551	0.00809428	0.0547029	-0.500936	0.0656266	2.29E-14	-0.0310439	0.0166623	0.06244486	0.8633186	20	0.53416173
ENSG00000255020	8	AF131216.5	11203257	rs7816606	8	11205602	C	T	0.511928	0.015856	0.00824107	0.0543513	0.504672	0.0604959	7.29E-17	0.0314184	0.0167582	0.06081957	0.3785944	20	0.52874239
ENSG00000154319	8	FAM167A	11278972	rs66934548	8	11304050	A	C	0.207753	-0.0187892	0.0103442	0.0693107	0.343467	0.0616234	2.49E-08	-0.0547045	0.031676	0.08416677	0.4592752	20	0.57027956
ENSG00000154328	8	NEIL2	11627148	rs4639	8	11644751	G	A	0.414513	0.00372552	0.00808729	0.645041	0.315829	0.0554205	1.21E-08	0.011796	0.0256901	0.6461151	0.1434763	15	0.92320922
ENSG00000164733	8	CTSB	11700033	rs9009	8	11702006	T	A	0.699801	0.010506	0.00973833	0.280662	-0.403346	0.0610828	4.02E-11	-0.0260471	0.024464	0.2870056	0.1110474	20	0.76026288
ENSG00000254507	8	RP11-481A20.10	11860909	rs4840609	8	11878338	C	G	0.478131	0.0205942	0.0084113	0.0143493	0.547767	0.0762166	6.62E-13	0.0375966	0.0162222	0.02047103	0.1096653	20	0.37669076
ENSG00000227888	8	FAM66A	12219527	rs35159348	8	12185865	G	A	0.370775	0.00010527	0.0109578	0.992335	-0.907662	0.0946083	8.48E-22	-0.000116	0.0120726	0.9923353	0.2053465	20	0.99801864
ENSG00000255556	8	RP11-351I21.6	12236188	rs9693773	8	12185802	T	C	0.45328	-0.0061023	0.0103773	0.556502	-0.571202	0.0786368	3.76E-13	0.0106833	0.0182269	0.5577905	0.197538	20	0.88690277
ENSG00000270074	8	RP11-351I21.11	12270336	rs1879180	8	12535241	C	G	0.368787	-0.0053389	0.00856732	0.533172	-0.577983	0.0982748	4.07E-09	0.00923714	0.0149058	0.5354537	0.8446728	17	0.87447889

ENSG00000145002	8	FAM86B2	12282913	rs55751927	8	11991655	A	G	0.279324	-0.0127233	0.0122841	0.300315	0.566301	0.0975959	6.53E-09	-0.0224674	0.0220347	0.3079008	0.6539907	5	0.77648702
ENSG00000198791	8	CNOT7	17086737	rs55912998	8	17061838	T	G	0.0735586	0.0221827	0.015945	0.164164	0.475651	0.0820137	6.65E-09	0.0466365	0.0344734	0.1761118	0.8352606	3	0.65919056
ENSG00000253671	8	RP11-806O11.1	17666450	rs398950	8	17678844	A	G	0.789264	-0.0015509	0.00995036	0.876141	-0.54279	0.0909752	2.43E-09	0.00285727	0.0183381	0.8761824	0.09219341	7	0.97782697
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.459722	0.0568229	5.95E-16	0.0110871	0.0183829	0.546429	0.1913405	20	0.88268348
ENSG00000147408	8	CSGALNACT1	19261672	rs10888163	8	19315034	T	G	0.431412	-0.0052088	0.00810189	0.520283	0.671693	0.0498754	2.43E-41	-0.0077547	0.0120756	0.5207577	0.7122376	20	0.87041275
ENSG00000197181	8	PIWIL2	22132810	rs4871990	8	22132837	T	C	0.569583	-0.001686	0.00846056	0.842048	-0.719454	0.0924764	7.26E-15	0.0023434	0.0117636	0.8420995	0.3302765	17	0.96476462
ENSG00000120910	8	PPP3CC	22298332	rs6984908	8	22316901	T	C	0.464215	0.00668873	0.0081102	0.409525	-0.407608	0.0610322	2.41E-11	-0.0164097	0.0200482	0.4130642	0.3176403	12	0.84290664
ENSG00000241852	8	C8orf58	22457114	rs4242434	8	22501830	A	C	0.328032	-0.0002487	0.00905365	0.97809	0.293308	0.0433738	1.36E-11	-0.0008477	0.0308676	0.9780897	0.4437759	11	0.99662399
ENSG00000147439	8	BIN3	22477931	rs4872527	8	22496048	A	G	0.331014	-0.0027086	0.00896445	0.762535	0.373383	0.0573695	7.60E-11	-0.0072543	0.0240346	0.7627837	0.1440809	12	0.94139208
ENSG00000134020	8	PEBP4	22570769	rs6420147	8	22797574	C	T	0.806163	0.0171579	0.00957042	0.0730046	0.429794	0.0752744	1.13E-08	0.0399212	0.0233394	0.08717936	0.7056088	6	0.57027956
ENSG00000173535	8	TNFRSF10C	22941868	rs116703825	8	22943928	A	G	0.15507	-0.0201084	0.00969212	0.0380128	0.68272	0.0764586	4.29E-19	-0.0294534	0.0145745	0.04329185	0.6153696	20	0.48818593
ENSG00000228451	8	SDAD1P1	26236775	rs11774142	8	26274581	C	T	0.101392	0.00153021	0.0109625	0.888987	0.798365	0.118996	1.96E-11	0.00191668	0.0137342	0.8890111	0.6430184	4	0.9818645
ENSG00000015592	8	STMN4	27092840	rs10481349	8	27104727	A	G	0.37674	-0.0143537	0.00836965	0.0863515	-0.400593	0.0477732	5.06E-17	0.0358311	0.0213256	0.09292035	0.3759448	11	0.58407271
ENSG00000120915	8	EPHX2	27348296	rs4149259	8	27402494	T	C	0.145129	0.00588588	0.0120039	0.6239	0.341973	0.0517359	3.84E-11	0.0172115	0.0351983	0.6248508	0.08022607	10	0.91490418
ENSG00000147419	8	CCDC25	27590835	rs1841311	8	27631630	A	G	0.530815	0.0212491	0.00805745	0.00835949	-0.485494	0.0425936	4.26E-30	-0.043768	0.0170348	0.01018965	0.5872727	20	0.30714516
ENSG00000134014	8	ELP3	27947190	rs13250007	8	27995722	G	T	0.338966	0.00552181	0.00848627	0.515256	0.416979	0.0485858	9.30E-18	0.0132424	0.0204102	0.5164588	0.9662217	20	0.87041275
ENSG00000172728	8	FUT10	33228342	rs9642742	8	33317678	A	G	0.609344	-0.0048436	0.00822345	0.555863	-0.266836	0.0485456	3.87E-08	0.0181519	0.0309948	0.5581144	0.2199802	16	0.88690277
ENSG00000085788	8	DDHD2	38082736	rs3925	8	38281658	A	G	0.257455	-0.0126328	0.0105284	0.230187	0.205778	0.0349488	3.91E-09	-0.0613904	0.0522154	0.2397091	0.9539431	6	0.73372296
ENSG00000169490	8	TM2D2	38846327	rs7010131	8	38841183	C	G	0.355865	-0.0046906	0.00850195	0.581146	-0.297829	0.0454001	5.38E-11	0.0157494	0.0286472	0.5824762	0.4253954	4	0.89791817
ENSG00000176209	8	SMIM19	42396298	rs73633616	8	42425673	G	A	0.612326	-0.000913	0.00836934	0.913135	-0.462218	0.0517088	3.93E-19	0.0019752	0.0181083	0.9131414	0.7569206	20	0.98830215
ENSG00000104738	8	MCM4	48872745	rs762679	8	48885436	A	T	0.84493	0.0040172	0.01075	0.708632	0.280382	0.0416804	1.73E-11	0.0143276	0.0383997	0.7090608	0.6339846	11	0.93547223
ENSG00000034239	8	EFCAB1	49623348	rs3750259	8	49647910	A	C	0.605368	0.00063178	0.00828332	0.939203	-0.857209	0.0649987	1.03E-39	-0.000737	0.00966329	0.9392038	0.2873901	20	0.99132464
ENSG00000008988	8	RPS20	56979854	rs72653951	8	56961837	A	G	0.22664	0.00927181	0.0107459	0.388235	0.228828	0.0371248	7.10E-10	0.0405187	0.0474185	0.3928326	0.3405834	6	0.82705257
ENSG00000241431	8	RP11-17A4.1	57500944	rs6990435	8	57489474	G	A	0.435388	-0.0143903	0.00805931	0.074172	-0.523812	0.095924	4.74E-08	0.0274723	0.0161875	0.08967262	0.4215771	7	0.57568731
ENSG00000254139	8	CTD-2339F6.1	58658708	rs12543857	8	58666308	A	G	0.548708	-0.0066109	0.00838983	0.430718	-0.484918	0.0865618	2.12E-08	0.013633	0.0174719	0.4352246	0.3744603	3	0.85502448
ENSG00000251396	8	RP11-163N6.2	61297147	rs1893279	8	61390282	G	A	0.543738	0.0202932	0.00814848	0.0127591	-0.535053	0.0857187	4.32E-10	-0.0379275	0.0163967	0.02071629	0.8877504	10	0.37900033
ENSG00000137563	8	GGH	63927638	rs35791650	8	63965448	G	A	0.27833	0.006757	0.00929804	0.467402	0.50705	0.0604413	4.90E-17	0.0133261	0.0184062	0.4690652	0.9381645	20	0.85502448
ENSG00000254081	8	CTD-3025N20.2	66439243	rs6994889	8	66474782	C	T	0.527833	0.0121581	0.00809228	0.132984	0.531481	0.0519307	1.39E-24	0.0228759	0.0153891	0.137147	0.2177426	20	0.62098749
ENSG00000272010	8	CTD-3025N20.3	66504085	rs73236948	8	66521411	G	T	0.38668	-0.0130605	0.00866188	0.131602	-0.411605	0.0462091	5.22E-19	0.0317307	0.0213435	0.1371035	0.6067323	14	0.62098749
ENSG00000104442	8	ARMC1	66514694	rs34851482	8	66518462	A	G	0.316103	-0.0138801	0.00907985	0.126346	0.43612	0.0463418	4.92E-21	-0.0318263	0.0210925	0.1313259	0.5091705	16	0.61757097
ENSG00000147576	8	ADHFE1	67342420	rs55878528	8	67365581	G	A	0.296223	0.00865403	0.00841169	0.303569	0.415386	0.0454016	5.74E-20	0.0208337	0.0203779	0.3066075	0.3393639	20	0.77648702
ENSG00000221947	8	XKR9	71581600	rs13255735	8	71859739	T	C	0.510934	-0.0162323	0.0080471	0.0436787	0.959758	0.0814954	5.14E-32	-0.0169129	0.00850661	0.04678873	0.333081	10	0.49940966
ENSG00000260398	8	RP11-594N15.3	79518187	rs73244988	8	79515264	C	A	0.0884692	-0.0031324	0.0122305	0.797867	0.519532	0.0890721	5.45E-09	-0.0060292	0.0235641	0.7980565	0.2216263	6	0.94842062
ENSG00000272138	8	RP11-27N21.3	80680377	rs2247008	8	80714713	A	C	0.657058	0.0142034	0.00849471	0.0945192	-0.640463	0.0790007	5.19E-16	-0.0221768	0.0135425	0.1015128	0.2662073	13	0.59734669
ENSG00000104231	8	ZFAND1	82613569	rs75348453	8	82626146	A	G	0.0437376	0.0198365	0.0259902	0.445327	-0.548714	0.0964299	1.27E-08	-0.0361509	0.0477898	0.4493759	0.2155935	9	0.85502448
ENSG00000104497	8	SNX16	82711816	rs2198237	8	82782053	C	T	0.601392	-0.0268235	0.00882746	0.00237651	-0.345698	0.0504658	7.38E-12	0.0775923	0.0279347	0.00547571	0.01810814	13	0.25561277
ENSG00000133739	8	LRRCC1	86019382	rs4150869	8	86099701	T	C	0.694831	0.0038397	0.00976084	0.694041	0.25548	0.0405466	2.96E-10	0.0150294	0.0382803	0.6946049	0.1120666	15	0.93344952
ENSG00000253549	8	RP11-317J10.2	86354080	rs9286249	8	86385082	C	T	0.630219	0.00773559	0.0086329	0.370221	0.421875	0.0670861	3.20E-10	0.0183362	0.0206699	0.3750256	0.4914653	6	0.81854251
ENSG00000123124	8	WWP1	87354967	rs67615966	8	87255203	A	C	0.247515	0.016906	0.0098255	0.0853179	-0.25421	0.0456683	2.60E-08	-0.0665041	0.0404555	0.1002005	0.1914177	6	0.59734669
ENSG00000176623	8	RMDN1	87480486	rs12546802	8	87499335	A	T	0.26839	0.0154206	0.00922486	0.0945976	0.351843	0.0361355	2.10E-22	0.0438281	0.0266023	0.09944895	0.4751988	15	0.59734669
ENSG00000104341	8	LAPTM4B	98787285	rs7816393	8	98809270	T	C	0.466203	0.0134293	0.00808733	0.0968077	0.269342	0.0474303	1.36E-08	0.0498597	0.0312836	0.1109824	0.4643892	9	0.60330103
ENSG00000174226	8	SNX31	101585116	rs1693591	8	101673265	G	T	0.434394	-0.0044557	0.00814507	0.58435	0.694567	0.0802359	4.86E-18	-0.0064151	0.0117502	0.5850987	0.5542847	18	0.89791817
ENSG00000164924	8	YWHAZ	101928753	rs4734500	8	101970119	T	C	0.586481	-0.012527	0.00807781	0.120952	-0.177325	0.0262824	1.51E-11	0.0706443	0.0467416	0.1306914	0.3053544	8	0.61757097
ENSG00000253633	8	KB-1980E6.3	103540968	rs2053130	8	103538435	G	A	0.487078	0.00577885	0.0080924	0.47516	0.31701	0.0555544	1.15E-08	0.0182292	0.0257264	0.4785843	0.536186	4	0.85676979
ENSG00000155087	8	ODF1	103563800	rs2436907	8	103559772	C	T	0.548708	0.00073789	0.00807354	0.927178	0.411185	0.0724785	1.40E-08	0.00179454	0.0196374	0.9271875	0.9648604	7	0.9909256
ENSG00000164929	8	BAALC	104152938	rs7836191	8	104162919	A	G	0.257455	0.00616308	0.00954342	0.518413	0.284896	0.0479732	2.87E-09	0.0216327	0.0336954	0.5208675	0.4142306	12	0.87041275
ENSG00000271830	8	RP11-1C8.7	104493494	rs35667758	8	104508704	T	A	0.38668	0.0104774	0.00810571	0.196149	0.750142	0.0683461	5.01E-28	0.0139672	0.0108802	0.1992388	0.8369094	20	0.69169397
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.01298	0.0859339	4.51E-32	-0.0053315	0.00955971	0.5770452	0.7790951	20	0.89639273
ENSG00000172167	8	MTBP	121457640	rs7001860	8	121546707	C	T	0.313121	0.0131443	0.00854017	0.123776	0.684029	0.0697688	1.08E-22	0.019216	0.012638	0.1283871	0.6487654	8	0.61757097
ENSG00000156787	8	TBC1D31	124054208	rs73337885	8	124116300	G	A	0.112326	-0.0075733	0.0107287	0.480255	0.565719	0.0829666	9.19E-12	-0.013387	0.0190661	0.4825929	0.01412726	17	0.85954222
ENSG00000156795	8	WDYHV1	124428965	rs62519236	8	124454579	T	C	0.312127	0.00446686	0.00834418	0.592424	-0.493576	0.0649881	3.08E-14	-0.00905	0.0169475	0.5933405	0.2035966	9	0.90284744
ENSG00000153317	8	ASAP1	131064353	rs78498858	8	131143069	T	C	0.138171	-0.0021836	0.0105541	0.836091	0.429652	0.0685957	3.76E-10	-0.0050823	0.0245777	0.8361785	0.20132	18	0.96327684
ENSG00000253507	8	CTD-2501M5.1	132320792	rs13258129	8	132329651	C	T	0.822068	0.0129018	0.0105861	0.222943	0.684879	0.119416	9.74E-09	0.0188381	0.015802	0.2332104	0.6182756	5	0.7286292
ENSG00000259820	8	AC083843.1	135804263	rs737196	8	135847442	C	T	0.372763	0.00369799	0.00846404	0.66218	-0.393331	0.0531281	1.33E-13	-0.0094017	0.0215563	0.6627299	0.1039178	4	0.92986213
ENSG00000169398	8	PTK2	141667999	rs11166991	8	141666413	T	C	0.521869	0.0126642	0.00811765	0.118739	0.301539	0.0397429	3.27E-14	0.0419985	0.0274839	0.1264846	0.05683582	20	0.61517925
ENSG00000253210	8	RP11-809O17.1	142136143	rs6578152	8	142139251	C	T	0.462227	0.00038136	0.0081648	0.962746	-0.701931	0.0857161	2.63E-16	-0.0005433	0.0116321	0.9627465	0.4552741	6	0.99132464
ENSG00000253605	8	HNRNPA1P38	142469175	rs62522534	8	142456943	C	T	0.256461	-0.0152911	0.0108734	0.159639	0.699231	0.0937341	8.67E-14	-0.0218685	0.0158244	0.1669891	0.2973854	5	0.65573263
ENSG00000171045	8	TSNARE1	143293441	rs13261479	8	143398255	C	T	0.15507	-0.0038606	0.0113202	0.733074	0.467048	0.0753956	5.84E-10	-0.008266	0.0242745	0.7334638	0.2581858	10	0.93605801
ENSG00000261693	8	RP13-467H17.1	143485013	rs62511434	8	143498381	C	T	0.838966	-0.0051697	0.0110989	0.641375	0.806791	0.110175	2.43E-13	-0.0064077	0.0137846	0.6420453	0.9451732	10	0.92267063
ENSG00000167653	8	PSCA	143751726	rs4736371	8	143773166	G	A	0.224652	-0.0171112	0.00883498	0.0527752	0.736754	0.0995464	1.35E-13	-0.0232251	0.0123956	0.06097661	0.1535229	20	0.52874239
ENSG00000160886	8	LY6K	143781529	rs11785290	8	143814849	G	A	0.349901	-0.0237878	0.00815947	0.00355271	0.662	0.0811217	3.33E-16	-0.0359332	0.0130884	0.00604326	0.138376	20	0.26939317
ENSG00000253741	8	CTD-2292P10.4	143783670	rs2717603	8	143803193	C	T	0.469185	0.00855138	0.00811456	0.29196	-0.689638	0.0567405	5.45E-34	-0.0123998	0.0118106	0.2937675	0.02620801	20	0.76777385
ENSG00000130193	8	THEM6	143808621	rs2585136	8	143812141	G	A	0.456262	0.00285134	0.00813846	0.726074	-0.422265	0.0442282	1.33E-21	-0.0067525	0.0192863	0.7262501	0.003721	20	0.93605801
ENSG00000247317	8	RP11-273G15.2	144063155	rs4270939	8	144093928	T	C	0.579523	0.011021	0.00807483	0.172298	-0.367948	0.038721	2.05E-21	-0.0299526	0.0221708	0.1766973	0.3201569	20	0.65919056
ENSG00000253716	8	RP13-582O9.5	144362331	rs11782193	8	144364579	A	G	0.484095	0.00186383	0.0080907	0.817807	-0.748718	0.0652246	1.68E-30	-0.0024894	0.0108082	0.8178427	0.7888752	20	0.95828989
ENSG00000104518	8	GSDMD	144635377	rs392131	8	144572758	C	T	0.255467	-0.0059957	0.00876455	0.493919	-0.395355	0.0460345	8.83E-18	0.0151654	0.022239	0.495284	0.7562405	20	0.86554515
ENSG00000204839	8	MROH6	144648357	rs4874156	8	144661564	A	G	0.0944334	-0.0077018	0.0128614	0.54929	-0.451452	0.0824332	4.34E-08	0.01706	0.0286588	0.5516572	0.4408598	4	0.88449597
ENSG00000255050	8	RP11-661A12.9	144655660	rs10282929	8	144681777	T	G	0.799205	-0.0007696	0.00974138	0.93703	0.812371	0.0913669	6.04E-19	-0.0009474	0.0119918	0.9370323	0.7214412	19	0.99132464
ENSG00000147813	8	NAPRT1	144656955	rs10282929	8	144681777	T	G	0.799205	-0.0007696	0.00974138	0.93703	1.02275	0.0774523	8.22E-40	-0.0007525	0.00952486	0.937031	0.536152	20	0.99132464
ENSG00000104524	8	PYCRL	144686083	rs11986259	8	144653397	A	G	0.229622	-0.0034203	0.00983893	0.72812	-0.282014	0.05064	2.56E-08	0.0121281	0.034956	0.7286267	0.5634702	4	0.93605801
ENSG00000254812	8	RP11-661A12.12	144714241	rs2242085	8	144699424	C	G	0.210736	-0.0052807	0.00993444	0.595034	-0.638656	0.106097	1.75E-09	0.00826846	0.0156158	0.5964625	0.7218506	4	0.90536031
ENSG00000183309	8	ZNF623	144718183	rs7002650	8	144754358	G	A	0.2167	-0.0005987	0.0091432	0.947793	0.395925	0.0481065	1.87E-16	-0.0015121	0.023094	0.947795	0.8265558	14	0.99132464
ENSG00000181135	8	ZNF707	144766622	rs12549830	8	144784688	C	G	0.580517	0.00701931	0.00813657	0.388309	0.359254	0.0611397	4.20E-09	0.0195386	0.0228913	0.3933618	0.4498837	10	0.82705257
ENSG00000181097	8	RP11-429J17.2	144778324	rs1141722	8	144780284	T	A	0.832008	0.00400449	0.00985641	0.684536	0.589126	0.100871	5.21E-09	0.00679734	0.016771	0.6852546	0.8182755	5	0.93137246
ENSG00000180921	8	FAM83H	144806103	rs12541792	8	144852879	A	G	0.552684	0.00056554	0.00809104	0.944276	-0.398861	0.0659745	1.49E-09	-0.0014179	0.0202867	0.9442797	0.3344835	9	0.99132464
ENSG00000203499	8	FAM83H-AS1	144816310	rs12156265	8	144848756	A	G	0.559642	8.66E-05	0.00807375	0.991441	-0.436418	0.0591791	1.65E-13	-0.0001985	0.0185001	0.991441	0.2517837	8	0.99801864
ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	0.94328	0.0777609	7.28E-34	-0.0107877	0.0157697	0.4939279	0.2778743	11	0.86532344
ENSG00000071894	8	CPSF1	145618444	rs10096524	8	145629497	A	G	0.571571	0.00117125	0.00810106	0.885043	0.735497	0.0563647	6.45E-39	0.00159246	0.0110151	0.8850496	0.5334906	19	0.98128259
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	0.725179	0.0753543	6.36E-22	0.0171616	0.0241869	0.47799	0.0159642	10	0.85676979
ENSG00000198169	8	ZNF251	145946298	rs2955194	8	145988907	T	G	0.470179	0.00716335	0.008065	0.374432	-0.226778	0.039618	1.04E-08	-0.0315875	0.035989	0.3801073	0.8848258	4	0.82180041
ENSG00000196378	8	ZNF34	145998499	rs10089228	8	146030084	T	C	0.343936	0.00387243	0.00848005	0.647921	-0.358567	0.06345	1.59E-08	-0.0107997	0.0237269	0.6489883	0.2489267	8	0.92429596
ENSG00000196922	8	ZNF252P	146198975	rs6981609	8	146222424	T	C	0.0974155	-0.0059316	0.0120684	0.623072	0.675353	0.0752115	2.72E-19	-0.008783	0.0178965	0.6235923	0.7680245	18	0.91490418
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407064	9	47303	G	A	0.45825	-0.0026519	0.0084702	0.754213	-0.71069	0.0870255	3.18E-16	0.00373149	0.011927	0.7543873	0.598334	9	0.93884925
ENSG00000172785	9	CBWD1	121041	rs2992844	9	158701	C	A	0.574553	-0.0024878	0.00817684	0.760941	-0.74191	0.0789867	5.84E-21	0.00335318	0.0110271	0.761063	0.3614163	20	0.94139208
ENSG00000107099	9	DOCK8	214854	rs72705614	9	411461	T	C	0.0228628	0.0614174	0.0279985	0.0282644	0.577544	0.101955	1.47E-08	0.106342	0.0519864	0.04079769	0.4432542	4	0.47472312
ENSG00000147853	9	AK3	4711155	rs79965806	9	4740456	C	A	0.083499	-0.0290496	0.0240346	0.226794	-0.488212	0.0828489	3.80E-09	0.059502	0.0502547	0.2364095	0.2757646	3	0.73069928
ENSG00000120158	9	RCL1	4792869	rs4740804	9	4861479	T	C	0.247515	0.0337247	0.00916351	0.00023294	-0.4907	0.0785674	4.22E-10	-0.0687277	0.0216754	0.00152037	0.4636935	5	0.19685577
ENSG00000099219	9	ERMP1	5765076	rs6476998	9	5737579	G	A	0.94831	0.0149596	0.0223979	0.504198	-0.522939	0.0909982	9.10E-09	-0.0286068	0.0431191	0.5070513	0.5053347	5	0.87041275
ENSG00000137033	9	IL33	6215805	rs6477060	9	6265305	A	T	0.961233	-0.001482	0.0263721	0.955186	-0.506701	0.0804099	2.95E-10	0.00292478	0.0520487	0.9551879	0.8744864	19	0.99132464
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	0.861867	0.107987	1.45E-15	-0.0006722	0.0128195	0.9581795	0.8285866	9	0.99132464
ENSG00000235448	9	RP11-3L8.3	12700100	rs7039325	9	12758156	T	C	0.599404	0.00489432	0.00844018	0.561993	0.769686	0.0734464	1.07E-25	0.00635885	0.0109825	0.5625908	0.6036499	20	0.8885229
ENSG00000153714	9	LURAP1L	12775020	rs1326792	9	12761360	C	T	0.597416	0.00537848	0.00843631	0.523774	0.461735	0.0809629	1.18E-08	0.0116484	0.0183847	0.5263466	0.2132962	4	0.87447889
ENSG00000273399	9	RP11-408A13.3	14586767	rs10810183	9	14586790	C	T	0.0437376	-0.0341796	0.0256853	0.183287	-1.14788	0.187903	1.00E-09	0.0297763	0.022901	0.1935269	0.04189803	5	0.68437166
ENSG00000272871	9	RP11-408A13.4	14588795	rs13290060	9	14612732	C	A	0.402584	0.014129	0.00811972	0.0818446	0.412557	0.059627	4.55E-12	0.0342474	0.0202943	0.09150056	0.7084942	20	0.58277666
ENSG00000164946	9	FREM1	14734664	rs12337452	9	15035853	C	G	0.49503	-0.00617	0.00812698	0.44773	-0.430606	0.0757529	1.31E-08	0.0143287	0.0190409	0.451737	0.5252827	5	0.85502448
ENSG00000215237	9	RP11-54D18.2	14993310	rs10810309	9	14987578	C	T	0.506958	-0.0044242	0.0080943	0.584665	1.05784	0.0722644	1.60E-48	-0.0041823	0.00765706	0.5849266	0.1376895	20	0.89791817
ENSG00000164989	9	CCDC171	15552895	rs10962156	9	15781267	G	T	0.485089	-0.0164009	0.00806559	0.0420078	-0.494785	0.0526482	5.56E-21	0.0331475	0.0166784	0.04687251	0.2271949	20	0.49940966
ENSG00000261402	9	RP11-378I6.1	19926092	rs10811277	9	19896957	G	C	0.611332	-0.0039045	0.00818378	0.633293	-0.342866	0.0507175	1.38E-11	0.0113877	0.0239281	0.6341359	0.3211013	5	0.91773611
ENSG00000188921	9	PTPLAD2	20995306	rs10964805	9	21031479	T	C	0.606362	-0.0007358	0.00807069	0.927361	0.486746	0.0789916	7.18E-10	-0.0015116	0.0165827	0.9273686	0.2226101	20	0.9909256
ENSG00000096872	9	IFT74	26947037	rs10511798	9	27067529	G	A	0.0457256	0.0155912	0.0135082	0.248418	0.914046	0.152652	2.13E-09	0.0170573	0.0150505	0.2570718	0.9927089	7	0.74372235
ENSG00000147894	9	C9orf72	27546544	rs3736321	9	27529734	A	G	0.311133	0.0114026	0.00882404	0.196281	-0.533406	0.0625614	1.51E-17	-0.021377	0.0167317	0.2013802	0.00249997	20	0.69575497
ENSG00000122729	9	ACO1	32384618	rs75438929	9	32405790	C	T	0.0675944	0.0106029	0.0119894	0.376501	0.688948	0.113405	1.24E-09	0.01539	0.0175859	0.3815019	0.4655932	12	0.82180041
ENSG00000241043	9	GVQW1	32566787	rs17218354	9	32553171	G	A	0.457256	0.00054406	0.00828244	0.947626	-0.584672	0.0773136	3.96E-14	-0.0009305	0.0141665	0.9476277	0.4667203	10	0.99132464
ENSG00000165269	9	AQP7	33384765	rs17251987	9	33388289	T	C	0.10338	-0.0005981	0.0119204	0.959981	1.29504	0.122334	3.46E-26	-0.0004619	0.00920476	0.9599812	0.3133837	7	0.99132464
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.633673	0.0557699	6.44E-30	-0.0008859	0.014549	0.9514465	0.8638147	18	0.99132464
ENSG00000230453	9	ANKRD18B	33524392	rs7866888	9	33524775	A	C	0.425447	0.00190549	0.00854565	0.823553	0.520451	0.0759446	7.23E-12	0.00366123	0.0164284	0.8236446	0.3528259	4	0.95876638
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.50597	0.161735	1.26E-20	0.0204467	0.0105333	0.05224034	0.01902153	20	0.52157942
ENSG00000010438	9	PRSS3	33750515	rs855584	9	33749363	C	G	0.356859	0.0115406	0.00824352	0.161524	-0.680447	0.0749457	1.09E-19	-0.0169603	0.012258	0.1664783	0.5529313	20	0.65566494
ENSG00000164978	9	NUDT2	34329504	rs10971957	9	34151463	T	C	0.590457	-0.0061091	0.0082792	0.460581	0.534107	0.0527511	4.28E-24	-0.011438	0.0155421	0.4617682	0.4111357	20	0.85502448
ENSG00000205143	9	ARID3C	34621376	rs10814130	9	34637991	A	C	0.148111	0.0132436	0.0123716	0.284402	0.477902	0.0829969	8.51E-09	0.027712	0.0263309	0.2925928	0.2881657	7	0.76742592
ENSG00000137070	9	IL11RA	34650699	rs2070074	9	34649442	G	A	0.102386	-0.0116565	0.0127672	0.361243	0.441831	0.0769087	9.20E-09	-0.0263823	0.0292588	0.3672228	0.3995267	6	0.81333811
ENSG00000230074	9	RP11-195F19.9	34665662	rs2772554	9	34680853	A	C	0.775348	0.0104972	0.0105766	0.320959	0.798734	0.0878423	9.65E-20	0.0131423	0.0133204	0.3238226	0.5856381	20	0.78892126
ENSG00000198467	9	TPM2	35681989	rs1538535	9	35681299	T	C	0.253479	0.0153054	0.00974166	0.116154	-0.642635	0.059004	1.27E-27	-0.0238166	0.0153158	0.1199384	0.5285049	20	0.61106548
ENSG00000137103	9	TMEM8B	35814448	rs10738948	9	35833448	C	T	0.611332	-0.0127613	0.00813541	0.116738	-0.631109	0.054936	1.51E-30	0.0202204	0.0130103	0.120139	0.03527976	20	0.61106548
ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.32386	0.107376	6.30E-35	-0.0008579	0.00791141	0.9136503	0.05090176	13	0.98830215
ENSG00000137124	9	ALDH1B1	38392661	rs9298976	9	38392604	T	G	0.870775	4.41E-05	0.012088	0.997091	-0.597597	0.0826189	4.72E-13	-7.38E-05	0.0202277	0.9970906	0.503098	3	0.99803567
ENSG00000237846	9	RP11-216M21.1	42250840	rs62542397	9	42204111	A	G	0.687873	-0.0024169	0.0103234	0.814897	-0.783892	0.0870089	2.07E-19	0.00308314	0.0131739	0.814958	0.7162281	3	0.9575465
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.688046	0.0856411	9.43E-16	0.0213948	0.0146974	0.1454797	0.9778834	11	0.63685097
ENSG00000235310	9	RP11-250H24.4	69501018	rs113405401	9	69894413	C	T	0.316103	-0.0067284	0.0102278	0.510631	0.411696	0.0682397	1.61E-09	-0.0163431	0.0249903	0.5131262	0.3484412	6	0.87041275
ENSG00000204711	9	C9orf135	72435709	rs1556208	9	72444224	C	T	0.121272	-0.0040963	0.0115061	0.721832	0.957516	0.124028	1.16E-14	-0.0042781	0.0120294	0.7221153	0.9888652	5	0.93605801
ENSG00000106733	9	NMRK1	77675489	rs10869500	9	77707695	T	A	0.366799	-0.0057783	0.00889866	0.516118	-1.12422	0.0727029	6.15E-54	0.0051398	0.00792238	0.5164872	0.2307522	20	0.87041275
ENSG00000254473	9	RP11-522I20.3	86322509	rs77843119	9	86233440	C	T	0.159046	-0.0182546	0.0123943	0.140799	0.683857	0.107651	2.12E-10	-0.0266936	0.0186049	0.151354	0.4050971	9	0.64465192
ENSG00000226237	9	RP11-276H19.1	89563614	rs6559961	9	89622522	G	C	0.828032	0.00351312	0.00994683	0.723946	0.648235	0.107064	1.41E-09	0.00541952	0.0153706	0.7243954	0.8657289	14	0.93605801
ENSG00000234537	9	RP11-100G15.7	94894680	rs11787600	9	94888482	A	G	0.326044	-0.007042	0.00840021	0.401852	0.891947	0.0739708	1.76E-33	-0.0078951	0.00944057	0.402987	0.9418991	20	0.83284351
ENSG00000188312	9	CENPP	95087766	rs10820978	9	95220601	T	G	0.175944	-0.0150239	0.0117482	0.200959	0.824664	0.0700607	5.53E-32	-0.0182182	0.0143299	0.2036061	0.6619035	20	0.6981726
ENSG00000185963	9	BICD2	95473645	rs1552908	9	95373884	G	A	0.252485	-0.0041448	0.0094855	0.662137	0.364076	0.0540403	1.62E-11	-0.0113845	0.0261084	0.6628022	0.4687213	13	0.92986213
ENSG00000227603	9	RP11-165J3.6	96197614	rs10429558	9	96336790	A	T	0.129225	0.0160695	0.011762	0.171866	0.844854	0.101459	8.29E-17	0.0190204	0.0141081	0.1775953	0.5315118	20	0.65919056
ENSG00000175611	9	LINC00476	98521513	rs591486	9	98650046	G	A	0.440358	0.0144771	0.00808156	0.0732335	0.718309	0.0813809	1.08E-18	0.0201544	0.0114802	0.07915968	0.4692902	19	0.55958335
ENSG00000081377	9	CDC14B	99252523	rs10120119	9	99274954	T	C	0.164016	0.00610704	0.011002	0.578835	-0.324647	0.0590658	3.88E-08	-0.0188113	0.0340615	0.5807598	0.3256578	5	0.89707407
ENSG00000196312	9	HIATL2	99660348	rs9722684	9	99656571	G	A	0.0328032	0.0363968	0.0151546	0.0163189	-1.07927	0.147946	2.99E-13	-0.0337235	0.0147829	0.02253373	0.1000872	13	0.39621809
ENSG00000228376	9	RP11-520B13.4	99837953	rs7869959	9	99983513	T	C	0.503976	-0.0084459	0.00811335	0.297882	0.313051	0.0468192	2.29E-11	-0.0269793	0.0262292	0.3036698	0.1098812	17	0.7744681
ENSG00000228038	9	VN1R51P	99855976	rs10981890	9	100149826	G	A	0.398608	0.0125038	0.00829686	0.131797	-0.351101	0.0553065	2.18E-10	-0.0356131	0.0242877	0.1425664	0.00744873	10	0.63285085
ENSG00000159712	9	ANKRD18CP	99918852	rs6478095	9	100097095	A	G	0.39165	0.0123882	0.00834157	0.137515	-0.324468	0.0518567	3.92E-10	-0.03818	0.0264227	0.1484658	0.00470857	7	0.64210759
ENSG00000203279	9	RP11-498P14.5	99962757	rs10981278	9	99995270	G	C	0.61332	0.00101113	0.00841964	0.90441	0.829334	0.080553	7.38E-25	0.00121921	0.010153	0.9044169	0.1679435	20	0.98799482
ENSG00000136932	9	C9orf156	100666771	rs7870125	9	100650737	C	G	0.37674	0.00193498	0.00810357	0.811275	0.695443	0.0684537	3.01E-24	0.00278237	0.0116556	0.8113264	0.5750489	14	0.95541966
ENSG00000106785	9	TRIM14	100831557	rs2761063	9	100881525	G	C	0.522863	0.00537645	0.00844495	0.524356	0.398682	0.0590886	1.51E-11	0.0134856	0.0212763	0.5261909	0.167927	6	0.87447889
ENSG00000095383	9	TBC1D2	100961311	rs10818669	9	101006443	C	T	0.529821	0.0167832	0.00806304	0.0373878	0.468878	0.0476964	8.32E-23	0.0357944	0.0175777	0.04171524	0.1653366	20	0.4818567
ENSG00000119509	9	INVS	102861538	rs4237196	9	103121950	C	T	0.461233	-0.0032305	0.00806139	0.688611	0.353344	0.0554195	1.82E-10	-0.0091427	0.0228596	0.6891929	0.2622691	3	0.93148031
ENSG00000136881	9	BAAT	104122699	rs11792975	9	104155550	C	T	0.0924453	-0.0121496	0.0165031	0.461609	-0.678357	0.110301	7.75E-10	0.0179103	0.0245017	0.46479	0.7500163	5	0.85502448
ENSG00000136824	9	SMC2	106856541	rs4742904	9	106856952	T	C	0.569583	0.00573733	0.00825194	0.486886	-0.510441	0.0493032	4.05E-25	-0.0112399	0.0162027	0.4878654	0.8527438	20	0.8628934
ENSG00000136783	9	NIPSNAP3A	107509969	rs10820724	9	107524390	T	C	0.537773	0.00661017	0.00817352	0.41867	0.376586	0.050826	1.27E-13	0.0175529	0.0218332	0.421423	0.5486382	18	0.85172656
ENSG00000226334	9	RP11-217B7.2	107689834	rs1800977	9	107690450	A	G	0.373757	-0.0052229	0.00815702	0.521984	-0.710005	0.095878	1.31E-13	0.00735609	0.0115315	0.5235322	0.9402833	15	0.87303227
ENSG00000106853	9	PTGR1	114312002	rs59165439	9	114357952	T	C	0.235586	-0.0154837	0.00906671	0.0876819	-0.371856	0.056963	6.66E-11	0.041639	0.0252028	0.09850301	0.05983223	13	0.59734669
ENSG00000204173	9	LRRC37A5P	114353872	rs10817198	9	114393397	C	G	0.276342	0.0239201	0.00842927	0.00454339	-0.664944	0.077051	6.14E-18	-0.0359731	0.0133444	0.00702321	0.00062072	17	0.27785555
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.555327	0.0506761	6.06E-28	-0.0017647	0.0160193	0.9122842	0.02917911	20	0.98830215
ENSG00000228623	9	ZNF883	115759495	rs12552543	9	115780849	G	C	0.170974	0.00390546	0.0105891	0.712262	0.587716	0.079937	1.95E-13	0.00664515	0.01804	0.712608	0.510695	8	0.93605801
ENSG00000176386	9	CDC26	116018115	rs10817475	9	116059054	G	A	0.274354	-0.0036704	0.00887798	0.679294	-0.590288	0.071478	1.48E-16	0.00621796	0.0150589	0.6796732	0.5820318	17	0.93020759
ENSG00000136875	9	PRPF4	116037623	rs4979236	9	116118717	A	G	0.191849	-0.0008983	0.00998066	0.928283	0.483935	0.0859112	1.77E-08	-0.0018563	0.0206266	0.9282918	0.6580926	6	0.99131001
ENSG00000136861	9	CDK5RAP2	123151147	rs10818465	9	123314357	C	G	0.0596421	-0.0086157	0.0156515	0.581997	-0.410828	0.0706367	6.02E-09	0.0209715	0.0382677	0.5836772	0.9082477	4	0.89791817
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.09814	0.0634276	3.74E-67	-0.008041	0.00744652	0.2802188	0.5749302	20	0.75586089
ENSG00000056558	9	TRAF1	123664671	rs2900180	9	123706382	C	T	0.640159	0.012178	0.00811195	0.133294	0.418994	0.042225	3.31E-23	0.0290649	0.0195809	0.137716	0.6777168	20	0.62267306
ENSG00000136856	9	SLC2A8	130159421	rs11794990	9	130171020	G	A	0.248509	0.00413816	0.00832836	0.619276	-0.538635	0.0710815	3.52E-14	-0.0076827	0.0154952	0.6200278	0.5652806	15	0.91395475

ENSG00000197958	9	RPL12	130209953	rs10987645	9	130181223	G	C	0.632207	0.00712982	0.00858416	0.406212	0.36211	0.0342325	3.77E-26	0.0196897	0.0237789	0.4076535	0.1135735	20	0.83733092
ENSG00000167103	9	PIP5KL1	130683158	rs4837213	9	130710791	C	T	0.869781	0.0102884	0.0119932	0.390971	-0.688697	0.106346	9.42E-11	-0.0149389	0.0175665	0.3950894	0.3351912	8	0.82705257
ENSG00000136908	9	DPM2	130697378	rs2274426	9	130707081	G	A	0.870775	0.0110131	0.0120252	0.359754	-0.580272	0.0574872	5.88E-24	-0.0189792	0.0208085	0.3617221	0.08937868	15	0.81243949
ENSG00000228510	9	RP11-339B21.8	131206866	rs7040989	9	131197896	A	G	0.244533	-0.007397	0.00927145	0.424971	-0.650109	0.075852	1.03E-17	0.0113781	0.014323	0.4269671	0.5963901	15	0.85416275
ENSG00000119392	9	GLE1	131266979	rs60811630	9	131308732	A	G	0.0516899	-0.0329245	0.0149197	0.0273294	-0.617324	0.0953439	9.50E-11	0.0533342	0.0255336	0.03672664	0.8522984	3	0.45477223
ENSG00000223478	9	RP11-545E17.3	131486724	rs112481736	9	131494141	A	G	0.0497018	-0.0294204	0.0293864	0.316751	-0.747533	0.133343	2.07E-08	0.0393567	0.0399331	0.3243469	0.8123097	3	0.78892126
ENSG00000175287	9	PHYHD1	131683174	rs10123283	9	131723191	C	T	0.408549	0.00404064	0.0083399	0.628034	-0.266907	0.0413329	1.06E-10	-0.0151388	0.0313343	0.6289984	0.364577	6	0.91709664
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.41205	0.143546	7.81E-23	0.00958394	0.0104322	0.3582585	0.06591834	20	0.81238164
ENSG00000204055	9	RP11-247A12.2	131939050	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	0.701122	0.110616	2.32E-10	0.0193019	0.021139	0.3611918	0.03474591	20	0.81243949
ENSG00000136816	9	TOR1B	132565432	rs55962905	9	132591272	C	T	0.274354	-0.0011203	0.00946166	0.905745	0.452436	0.079304	1.16E-08	-0.0024762	0.0209172	0.9057651	0.5784352	5	0.98799482
ENSG00000130714	9	POMT1	134378289	rs77176471	9	134388562	T	C	0.146123	-0.0146633	0.0111191	0.187251	-0.415837	0.0697007	2.43E-09	0.0352621	0.0273845	0.1978621	0.643206	4	0.69037633
ENSG00000130717	9	UCK1	134399188	rs4076428	9	134353724	T	C	0.367793	-0.0053672	0.00851928	0.528695	-0.23364	0.0350748	2.72E-11	0.0229719	0.036626	0.5305271	0.1424383	9	0.87447889
ENSG00000125485	9	DDX31	135468384	rs445690	9	135484778	G	A	0.493042	0.0151488	0.00828669	0.0675367	-0.525003	0.0742306	1.52E-12	-0.0288547	0.0163028	0.07674038	0.709615	12	0.54918417
ENSG00000165695	9	AK8	135600965	rs2254289	9	135727409	G	A	0.796223	-0.0078232	0.0105629	0.45892	0.530472	0.0662987	1.23E-15	-0.0147476	0.0199974	0.4608322	0.5356874	20	0.85502448
ENSG00000165699	9	TSC1	135766735	rs7044064	9	135777451	C	T	0.146123	-0.0103192	0.0123329	0.402751	-0.34685	0.0574767	1.59E-09	0.0297512	0.035897	0.4072218	0.4812173	5	0.83733092
ENSG00000175164	9	ABO	136125788	rs574347	9	136135659	C	T	0.22167	0.0141234	0.0105511	0.180709	-0.395053	0.0591523	2.41E-11	-0.0357506	0.0272392	0.1893619	0.4788769	16	0.67951294
ENSG00000148290	9	SURF1	136218610	rs2073932	9	136305439	G	A	0.578529	-0.0069116	0.00843074	0.412326	0.533018	0.0619828	8.01E-18	-0.0129669	0.0158887	0.414439	0.3320028	20	0.84450062
ENSG00000160323	9	ADAMTS13	136279478	rs1055432	9	136324239	A	C	0.333996	0.00305575	0.00836825	0.714992	0.37147	0.0515881	5.99E-13	0.0082261	0.0225563	0.7153418	0.02714998	20	0.93605801
ENSG00000160325	9	CACFD1	136325089	rs41309954	9	136338598	A	C	0.0666004	0.00796135	0.0130483	0.541766	0.487808	0.0705413	4.67E-12	0.0163207	0.0268528	0.5433311	0.2318487	9	0.88006291
ENSG00000160326	9	SLC2A6	136336217	rs2769073	9	136313904	T	C	0.142147	-0.0066781	0.0130756	0.609538	-0.466747	0.0771078	1.42E-09	0.0143078	0.0281139	0.610805	0.06825913	17	0.91209617
ENSG00000225756	9	DBH-AS1	136519708	rs2097629	9	136519700	G	A	0.409543	0.0184435	0.00840488	0.0282079	-0.366345	0.0527561	3.81E-12	-0.0503446	0.0240608	0.03640338	0.4709911	4	0.45477223
ENSG00000123453	9	SARDH	136528682	rs10761412	9	136519590	C	T	0.429423	0.0208268	0.00820575	0.0111463	0.280146	0.0429767	7.10E-11	0.0743427	0.031433	0.01802429	0.1141659	20	0.34868323
ENSG00000160345	9	C9orf116	138387027	rs968569	9	138393128	G	T	0.528827	0.0081924	0.00828117	0.322526	0.255416	0.0415482	7.87E-10	0.0320747	0.0328394	0.3287106	0.7897857	7	0.79175727
ENSG00000107147	9	KCNT1	138594031	rs11103190	9	138679895	C	T	0.235586	-0.0154482	0.0108632	0.155007	-0.336586	0.0387658	3.87E-18	0.0458967	0.0327047	0.1605069	0.4660723	20	0.65108594
ENSG00000213221	9	DNLZ	139253932	rs4442263	9	139322775	T	C	0.0367793	-0.0033851	0.0186531	0.855994	1.60441	0.177515	1.59E-19	-0.0021099	0.0116285	0.8560231	0.572406	8	0.9724742
ENSG00000148384	9	INPP5E	139323071	rs10870194	9	139327034	G	A	0.411531	-0.0013987	0.00851861	0.869583	-0.364833	0.0457875	1.61E-15	0.0038337	0.0233543	0.86961	0.5108956	19	0.9765182
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-0.88784	0.0821262	3.06E-27	-0.0092294	0.0179386	0.606902	0.2896992	12	0.91090351
ENSG00000177984	9	LCN15	139654086	rs11145876	9	139663458	G	A	0.770378	-0.0153388	0.00872395	0.0787082	-1.09517	0.100354	9.98E-28	0.0140059	0.00806856	0.08258941	0.7769878	20	0.5670184
ENSG00000228544	9	KIAA1984-AS1	139698379	rs2784089	9	139719205	T	G	0.803181	0.00377787	0.0109983	0.731227	-0.400493	0.0618479	9.45E-11	-0.0094331	0.0275005	0.7315883	0.7223299	11	0.93605801
ENSG00000184925	9	LCN12	139844003	rs884218	9	139847570	C	T	0.693837	9.60E-05	0.00851151	0.991003	-0.420597	0.0516801	4.00E-16	-0.0002282	0.0202368	0.9910032	0.5232552	20	0.99793991
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-1.2105	0.129288	7.76E-21	-0.0029572	0.0193681	0.8786486	0.9782644	17	0.97923194
ENSG00000148362	9	C9orf142	139886870	rs10870159	9	139887042	C	G	0.676938	0.00447453	0.00849182	0.598248	0.226637	0.0294786	1.49E-14	0.0197432	0.0375567	0.5991042	0.6836902	20	0.90595547
ENSG00000268996	9	AL807752.1	139980807	rs7466635	9	139980417	C	T	0.671968	-0.001121	0.00855547	0.895754	-0.514109	0.0587176	2.03E-18	0.00218047	0.0166432	0.8957653	0.6518861	20	0.9845666
ENSG00000188986	9	NELFB	140149625	rs9722542	9	140169270	A	G	0.733598	-0.0010514	0.00891227	0.906087	0.348183	0.0468483	1.07E-13	-0.0030198	0.0255997	0.9060979	0.00074744	8	0.98799482
ENSG00000130653	9	PNPLA7	140354404	rs10746563	9	140444078	C	T	0.447316	0.00739088	0.00829792	0.373095	0.42275	0.0453115	1.06E-20	0.0174829	0.0197177	0.3752623	0.00906921	11	0.81854251
ENSG00000225140	10	RP11-809C18.3	674578	rs10795292	10	688424	C	T	0.905567	0.025426	0.0139276	0.0679125	0.353456	0.0557657	2.32E-10	0.0719354	0.041006	0.07938481	0.6308318	10	0.55958335
ENSG00000205696	10	ADARB2-AS1	1568832	rs7080610	10	1588870	T	C	0.417495	-0.0170672	0.00820366	0.0374861	-0.506026	0.0776651	7.25E-11	0.0337279	0.0170183	0.0474952	0.05343648	4	0.49940966
ENSG00000107959	10	PITRM1	3179920	rs76088740	10	3193412	T	C	0.0447316	0.0123085	0.0179728	0.493445	-1.38221	0.162912	2.17E-17	-0.0089049	0.0130452	0.4948468	0.8220498	20	0.86554515
ENSG00000237399	10	PITRM1-AS1	3183824	rs7898290	10	3188812	C	G	0.658052	-0.0002183	0.00847057	0.979437	-0.550281	0.0677061	4.38E-16	0.00039675	0.0153932	0.9794376	0.9930331	20	0.99662399
ENSG00000187134	10	AKR1C1	4934796	rs12251296	10	4963488	A	G	0.412525	-3.19E-05	0.00813951	0.996873	0.639401	0.0742982	7.57E-18	-4.99E-05	0.0127299	0.9968729	0.8760022	14	0.99803567
ENSG00000151632	10	AKR1C2	5029967	rs78836001	10	4981992	C	G	0.133201	-0.0052083	0.0120054	0.664414	0.962437	0.109508	1.51E-18	-0.0054115	0.0124891	0.6647982	0.5282775	20	0.93003269
ENSG00000057608	10	GDI2	5807186	rs3736461	10	5855403	C	G	0.183897	0.0248578	0.0102754	0.0155564	-0.308792	0.0475129	8.08E-11	-0.0805001	0.0355066	0.02337887	0.9971099	20	0.39677591
ENSG00000225383	10	SFTA1P	10826400	rs7070632	10	10850543	A	G	0.579523	-0.0148435	0.00809299	0.0666377	-0.479025	0.0642004	8.56E-14	0.0309869	0.0173977	0.07489672	0.5484085	20	0.5487225
ENSG00000134463	10	ECHDC3	11784365	rs10906019	10	11839030	A	T	0.451292	-0.0034899	0.00819368	0.670165	-0.527627	0.0713895	1.46E-13	0.00661426	0.0155551	0.6706796	0.4421397	16	0.93003269
ENSG00000165609	10	NUDT5	12207324	rs11257659	10	12309269	T	C	0.227634	0.00971045	0.0091705	0.289655	-0.301516	0.0549955	4.19E-08	-0.0322054	0.0309767	0.2984951	0.7680645	13	0.77184395
ENSG00000065809	10	FAM107B	14560556	rs1571040	10	14612372	A	G	0.828032	-0.0027288	0.011279	0.808829	-0.215434	0.0379301	1.35E-08	0.0126666	0.0524023	0.8089987	0.2571959	6	0.95474942
ENSG00000176236	10	C10orf111	15137384	rs12254027	10	15134222	A	G	0.195825	-0.0007027	0.0109118	0.94865	-0.514725	0.0671701	1.82E-14	0.00136527	0.0212	0.9486521	0.4337273	20	0.99132464
ENSG00000152465	10	NMT2	15144583	rs6602818	10	15209430	T	C	0.346918	-0.0005011	0.00845309	0.952732	-0.287823	0.0525985	4.45E-08	0.00174089	0.0293708	0.9527348	0.2356135	5	0.99132464
ENSG00000225213	10	RP11-197M22.2	16763351	rs7094316	10	16764694	C	T	0.511928	0.00833297	0.00804505	0.300301	0.426513	0.0759706	1.97E-08	0.0195374	0.0191807	0.3083939	0.8358105	13	0.77648702
ENSG00000026025	10	VIM	17270258	rs1687700	10	17011014	C	T	0.409543	0.00269607	0.00838207	0.74772	0.24855	0.0417345	2.59E-09	0.0108472	0.033773	0.7480746	0.8439592	9	0.93704979
ENSG00000226083	10	SLC39A12-AS1	18290715	rs11012783	10	18425418	G	A	0.420477	-0.0124368	0.00811649	0.125452	0.76425	0.077715	8.04E-23	-0.0162732	0.0107484	0.130021	0.3486737	20	0.61757097
ENSG00000165995	10	CACNB2	18429606	rs10764318	10	18415963	A	G	0.122266	0.00498439	0.010514	0.635449	0.295835	0.0541539	4.69E-08	0.0168485	0.0356737	0.6367151	0.3885011	12	0.9192467
ENSG00000240291	10	RP11-499P20.2	18802044	rs10828851	10	18821185	G	A	0.374751	-0.002261	0.00850483	0.790355	0.551175	0.0821359	1.94E-11	-0.0041022	0.0154425	0.7905151	0.02538646	9	0.94736216
ENSG00000241058	10	NSUN6	18834490	rs11015411	10	18945939	T	G	0.536779	-0.0097524	0.0080614	0.226367	0.514603	0.0506201	2.81E-24	-0.0189514	0.0157758	0.2296377	0.04296712	20	0.72462943
ENSG00000204740	10	C10orf112	19492779	rs11010062	10	19749183	C	T	0.267396	-0.0050912	0.00873207	0.559863	-0.641138	0.0857162	7.44E-14	0.00794086	0.013661	0.5610506	0.0899424	20	0.88741887
ENSG00000233968	10	RP11-354E11.2	19999257	rs372542	10	20124469	C	T	0.615308	-0.0071881	0.00817689	0.379362	0.635932	0.0942252	1.49E-11	-0.0113032	0.0129667	0.383367	0.1715257	20	0.82261461
ENSG00000099256	10	PRTFDC1	25137536	rs9418459	10	25125228	A	C	0.410537	0.00444588	0.0081854	0.587028	0.270437	0.0462365	4.95E-09	0.0164396	0.0303975	0.5886312	0.4530634	6	0.90000857
ENSG00000095777	10	MYO3A	26223196	rs113337278	10	26291510	G	A	0.158052	0.0136509	0.0143655	0.341983	0.537765	0.0824198	6.81E-11	0.0253845	0.0269952	0.3470455	0.8595065	11	0.80796148
ENSG00000233261	10	LINC00264	26878794	rs1020976	10	26935049	C	G	0.336978	-0.0079888	0.00853897	0.349497	0.527467	0.0901062	4.80E-09	-0.0151455	0.0163941	0.3555688	0.7483689	4	0.81071725
ENSG00000231976	10	LINC00202-2	26932098	rs189152599	10	26965278	C	T	0.0606362	-0.0001033	0.0200744	0.995894	0.995771	0.14695	1.23E-11	-0.0001037	0.0201597	0.9958944	0.3629964	5	0.99803567
ENSG00000120539	10	MASTL	27443753	rs7907981	10	27444329	C	T	0.774354	0.0123608	0.0117617	0.29329	0.314209	0.0571685	3.88E-08	0.0393394	0.0381109	0.3019617	0.4349676	9	0.77272183
ENSG00000230445	10	LRRC37A6P	27535279	rs237602	10	27608013	A	G	0.472167	-0.0068866	0.00812412	0.396619	0.364742	0.0548299	2.89E-11	-0.0188808	0.0224537	0.4004179	0.9195092	18	0.83157654
ENSG00000224597	10	PTCHD3P1	29698331	rs10740805	10	29764408	T	G	0.382704	-0.0125756	0.00806523	0.118942	0.465827	0.0648484	6.80E-13	-0.0269963	0.017717	0.1275705	0.00314778	10	0.61757097
ENSG00000273038	10	RP11-479G22.8	33176189	rs1557150	10	33178307	C	T	0.301193	0.0001987	0.00898512	0.982357	-0.487951	0.0816793	2.32E-09	-0.0004072	0.0184141	0.982357	0.9482995	10	0.99662399
ENSG00000226386	10	PARD3-AS1	35104695	rs2504248	10	35177902	A	G	0.882704	0.0140244	0.0149307	0.347579	-0.698969	0.11662	2.05E-09	-0.0200644	0.0216218	0.3534216	0.1444415	5	0.81071725
ENSG00000233200	10	RP11-324I22.2	35508822	rs12217321	10	35608570	A	G	0.310139	0.00181144	0.0090757	0.841799	0.616469	0.0892086	4.83E-12	0.00293841	0.0147282	0.8418645	0.9872801	14	0.96476462
ENSG00000271335	10	RP11-324I22.4	35603480	rs6481952	10	35597715	C	T	0.337972	0.00151141	0.00893957	0.865742	0.287211	0.0417982	6.36E-12	0.00526237	0.0311349	0.8657821	0.9765735	14	0.9765182
ENSG00000175395	10	ZNF25	38238500	rs146229561	10	38286860	C	G	0.10338	0.0137157	0.0156106	0.379612	0.332277	0.0432247	1.50E-14	0.0412779	0.0472866	0.3827005	0.7669633	8	0.82180041
ENSG00000272983	10	RP11-508N22.12	38426265	rs370827445	10	39124161	G	A	0.0795229	0.00610111	0.0173847	0.725628	-0.887875	0.123806	7.42E-13	-0.0068716	0.0196036	0.7259428	0.9964078	4	0.93605801
ENSG00000215146	10	RP11-313J2.1	42827314	rs12264979	10	42793924	A	G	0.450298	0.0116958	0.00805168	0.146336	0.820661	0.0726665	1.41E-29	0.0142517	0.00989204	0.149663	0.788111	20	0.64271831
ENSG00000185904	10	LINC00839	42970991	rs1255411	10	42965636	T	C	0.595427	-0.0029004	0.00844877	0.731378	-0.612379	0.0943594	8.59E-11	0.00473628	0.0138159	0.7317389	0.2948216	20	0.93605801
ENSG00000196693	10	ZNF33B	43084555	rs158386	10	43131363	T	C	0.10338	0.0146471	0.0164051	0.371945	-0.44662	0.0715892	4.41E-10	-0.0327954	0.0371059	0.3767864	0.6807916	13	0.82059765
ENSG00000169826	10	CSGALNACT2	43633934	rs10793422	10	43703874	A	G	0.171968	0.00866591	0.0101665	0.393992	0.794499	0.0711197	5.64E-29	0.0109074	0.0128333	0.3953651	0.05185832	20	0.82705257
ENSG00000230555	10	RP11-517P14.2	43916186	rs2999222	10	43988635	C	T	0.88668	-0.0216666	0.0128458	0.0916685	0.556227	0.0786498	1.52E-12	-0.0389528	0.0237422	0.1008692	0.3528333	5	0.59734669
ENSG00000172661	10	FAM21C	46222648	rs565409446	10	46237433	A	G	0.0944334	0.0105239	0.0136797	0.441708	-0.934339	0.129474	5.34E-13	-0.0112635	0.014724	0.4442875	0.2280637	3	0.85502448
ENSG00000188234	10	AGAP4	46321042	rs2279435	10	45923528	A	C	0.558648	0.00046839	0.00813579	0.95409	0.702954	0.0877199	1.11E-15	0.00066632	0.011574	0.9540911	0.4052354	20	0.99132464
ENSG00000204177	10	BMS1P1	46737612	rs545565249	10	47048832	T	C	0.0357853	0.0192523	0.0344659	0.576441	-0.928686	0.166324	2.36E-08	-0.0207307	0.0372978	0.5783371	0.8231394	3	0.89657238
ENSG00000251079	10	BMS1P2	47228366	rs150648084	10	49205171	C	T	0.7833	0.0277651	0.0106133	0.00889529	0.739767	0.111519	3.28E-11	0.0375322	0.0154222	0.01494729	0.01787074	3	0.34868323
ENSG00000204152	10	TIMM23B	51371390	rs61846915	10	51076618	A	G	0.269384	0.00398505	0.00957326	0.677214	0.3971	0.0598427	3.23E-11	0.0100354	0.0241553	0.6778109	0.6165075	7	0.93020759
ENSG00000235618	10	RP11-324H6.5	51780942	rs56106241	10	51812826	G	T	0.163022	-0.0136504	0.0103851	0.188706	-0.670442	0.109715	9.91E-10	0.0203603	0.0158442	0.1987818	0.9418558	3	0.69136747
ENSG00000188611	10	ASAH2	51942538	rs1133222	10	52516665	T	C	0.750497	0.00178985	0.00851157	0.833446	0.926383	0.0736113	2.56E-36	0.00193208	0.00918924	0.8334687	0.4373689	20	0.96255193
ENSG00000231345	10	RP11-564C4.6	52415727	rs4935734	10	52358285	A	G	0.484095	0.0163081	0.0080627	0.0431082	-0.623976	0.0942504	3.58E-11	-0.0261358	0.0135111	0.05306473	0.05151958	9	0.52780415
ENSG00000204147	10	ASAH2B	52499078	rs61857104	10	52472802	C	T	0.257455	0.00618734	0.00934582	0.507943	-0.370015	0.0529015	2.66E-12	-0.0167219	0.0253708	0.5098331	0.7046945	10	0.87041275
ENSG00000185532	10	PRKG1	52750945	rs9415733	10	52914107	C	G	0.503976	-0.0183587	0.00808102	0.0230972	-0.359546	0.056594	2.11E-10	0.0510608	0.0238694	0.03242186	0.576123	9	0.44271993
ENSG00000122952	10	ZWINT	58116989	rs72802971	10	58273022	T	C	0.0497018	-0.0102912	0.027049	0.7036	-1.2862	0.174837	1.89E-13	0.00800124	0.0210583	0.7039771	0.00135916	6	0.93460047
ENSG00000108064	10	TFAM	60144782	rs2279339	10	60144998	A	C	0.17992	-0.0091608	0.0130404	0.482373	-0.417824	0.0529107	2.86E-15	0.021925	0.0313335	0.4840966	0.6876534	13	0.86028396
ENSG00000196932	10	TMEM26	63166401	rs113351122	10	63125288	A	T	0.0497018	0.014796	0.0129615	0.25365	1.44943	0.230493	3.21E-10	0.0102082	0.00908863	0.2613618	0.5217381	17	0.74928451
ENSG00000183346	10	C10orf107	63422719	rs12765373	10	63432048	A	T	0.0854871	-0.0191766	0.0112911	0.0894376	0.973838	0.0911242	1.17E-26	-0.0196918	0.0117399	0.09347745	0.4008722	16	0.58407271
ENSG00000228065	10	RP11-222A11.1	67330096	rs80074217	10	67330226	G	A	0.028827	-0.0086712	0.0252387	0.731171	1.87667	0.282625	3.13E-11	-0.0046205	0.0134667	0.7315158	0.8637515	4	0.93605801
ENSG00000108187	10	PBLD	70042417	rs4142049	10	70044452	A	C	0.198807	-0.0023135	0.00913403	0.800049	0.476588	0.054579	2.50E-18	-0.0048543	0.0191735	0.8001313	0.6077662	20	0.94918125
ENSG00000204130	10	RUFY2	70100864	rs61855089	10	70176091	C	A	0.107356	-0.0076855	0.0114554	0.502282	0.400479	0.0611252	5.69E-11	-0.0191907	0.0287538	0.5045074	0.9733346	10	0.87041275
ENSG00000138346	10	DNA2	70173821	rs7906263	10	70244997	A	C	0.106362	-0.0090509	0.0116971	0.439065	-0.878653	0.0932107	4.24E-21	0.0103009	0.0133573	0.4406017	0.743665	20	0.85502448
ENSG00000122912	10	SLC25A16	70237756	rs61856475	10	70276080	G	C	0.105368	-0.0105354	0.0117118	0.368355	0.77956	0.11286	4.94E-12	-0.0135145	0.0151505	0.3723813	0.5613533	15	0.81732789
ENSG00000075073	10	TACR2	71163659	rs4603200	10	71169826	C	T	0.558648	-0.0060951	0.00807327	0.450265	0.380525	0.0619683	8.22E-10	-0.0160176	0.0213759	0.4536579	0.05017039	8	0.85502448
ENSG00000099282	10	TSPAN15	71211229	rs10823398	10	71270363	A	C	0.446322	0.00470692	0.00822371	0.567078	0.285551	0.0357423	1.36E-15	0.0164836	0.0288733	0.5680698	0.6998419	20	0.89275284
ENSG00000042286	10	AIFM2	71857979	rs6480442	10	71900246	T	C	0.406561	0.00746552	0.00815519	0.359966	-0.410339	0.0534777	1.68E-14	-0.0181935	0.0200152	0.3633577	0.74318	20	0.81243949
ENSG00000079332	10	SAR1A	71907045	rs6480443	10	71925446	C	T	0.442346	0.00126758	0.00805917	0.875021	0.317711	0.0510168	4.74E-10	0.00398973	0.0253744	0.8750604	0.1181344	10	0.977264
ENSG00000180817	10	PPA1	71962586	rs10999196	10	71982305	C	T	0.365805	0.0102323	0.00820739	0.212502	0.297931	0.0405898	2.14E-13	0.0343445	0.0279425	0.219029	0.577745	14	0.71530986
ENSG00000156574	10	NODAL	72192071	rs7072552	10	72204961	C	T	0.93837	0.00370922	0.0160214	0.816914	-0.967447	0.15549	4.91E-10	-0.003834	0.016572	0.8170379	0.02053665	18	0.95810484
ENSG00000138316	10	ADAMTS14	72432559	rs2184389	10	72415016	G	A	0.501988	-0.0037417	0.00807824	0.643233	0.405541	0.0527838	1.55E-14	-0.0092265	0.0199558	0.6438344	0.1633448	20	0.92288763
ENSG00000166321	10	NUDT13	74870217	rs7902035	10	74931632	C	T	0.0596421	-0.0081509	0.0186969	0.662874	-0.908423	0.141562	1.39E-10	0.0089726	0.0206292	0.6636003	0.461279	3	0.93003269
ENSG00000156042	10	TTC18	75013517	rs7902035	10	74931632	C	T	0.0596421	-0.0081509	0.0186969	0.662874	-0.517056	0.0927327	2.46E-08	0.0157641	0.0362707	0.6638354	0.9709925	5	0.93003269
ENSG00000224596	10	ZMIZ1-AS1	80703085	rs10824709	10	80808527	C	T	0.654076	0.0173416	0.00832037	0.037139	-0.756967	0.0859661	1.30E-18	-0.0229093	0.0112954	0.04254063	0.2140034	5	0.48783005
ENSG00000244733	10	RP11-506M13.3	81420647	rs1626423	10	81427138	G	C	0.201789	0.00668071	0.00894517	0.455154	-0.599115	0.0859366	3.13E-12	-0.011151	0.0150161	0.4577226	0.9562841	20	0.85502448
ENSG00000188199	10	NUTM2B	81462983	rs10749148	10	81596500	T	G	0.576541	-0.0043351	0.00821124	0.59754	0.830182	0.0871556	1.65E-21	-0.0052218	0.00990607	0.598102	0.6062241	20	0.9057382
ENSG00000225484	10	RP11-773D16.1	81563813	rs1556605	10	81516497	C	G	0.201789	-0.0030379	0.0116447	0.794184	-0.668031	0.102951	8.65E-11	0.00454754	0.0174455	0.7943454	0.3240253	12	0.947444
ENSG00000228570	10	NUTM2E	81601114	rs1834878	10	81432400	C	T	0.202783	0.00692852	0.00892507	0.437572	1.10509	0.0934086	2.71E-32	0.00626964	0.0080937	0.4385567	0.9646501	20	0.85502448
ENSG00000242600	10	MBL1P	81664654	rs45558131	10	81679949	A	G	0.111332	0.0130664	0.0140428	0.352128	0.824457	0.108082	2.38E-14	0.0158485	0.017159	0.3556823	0.9888271	12	0.81071725
ENSG00000133661	10	SFTPD	81697496	rs4335482	10	81743578	C	T	0.600398	0.0134926	0.00820332	0.100016	0.536066	0.0670582	1.31E-15	0.0251697	0.0156234	0.1071739	0.2138847	20	0.59966108
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	0.681812	0.099251	6.44E-12	0.00969134	0.0183248	0.5968998	0.4465009	11	0.90536031
ENSG00000189129	10	PLAC9	81891438	rs1079242	10	81917708	G	A	0.536779	-0.011405	0.00815958	0.16219	0.430392	0.0732048	4.12E-09	-0.0264991	0.0194869	0.1738798	0.7779666	19	0.65919056
ENSG00000122359	10	ANXA11	81910645	rs2819880	10	81899632	G	A	0.464215	-0.0105358	0.00812844	0.194918	0.302733	0.0438927	5.31E-12	-0.0348023	0.0273202	0.2027111	0.5710584	20	0.69585752
ENSG00000133665	10	DYDC2	82104501	rs10749575	10	82136921	T	C	0.564612	-0.0118054	0.00818629	0.149278	-0.57765	0.0497161	3.30E-31	0.0204369	0.0142805	0.1523978	0.6044994	20	0.64465192
ENSG00000148600	10	CDHR1	85954410	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.23309	0.0305795	2.49E-14	-0.0472418	0.0362179	0.1921043	0.2809676	6	0.6823907
ENSG00000204033	10	LRIT2	85980254	rs182983105	10	86331050	A	G	0.0149105	-0.035264	0.0399261	0.377111	0.991547	0.169195	4.62E-09	-0.0355646	0.0407212	0.3824622	0.7405892	4	0.82180041
ENSG00000148604	10	RGR	86004809	rs2279227	10	86004873	C	T	0.491054	0.00274504	0.0080485	0.733056	0.666905	0.0750671	6.44E-19	0.00411609	0.0120773	0.7332457	0.9933267	11	0.93605801
ENSG00000122375	10	OPN4	88414314	rs3740335	10	88419641	A	G	0.137177	-0.0165227	0.0105841	0.118503	-0.915191	0.0848828	4.20E-27	0.0180538	0.0116855	0.1223519	0.616673	13	0.61194908
ENSG00000122367	10	LDB3	88428206	rs3740335	10	88419641	A	G	0.137177	-0.0165227	0.0105841	0.118503	-0.709931	0.0855386	1.05E-16	0.0232737	0.0151701	0.1249844	0.8995252	8	0.61194908
ENSG00000173267	10	SNCG	88718375	rs3793899	10	88718761	G	T	0.548708	-0.0081913	0.00818139	0.316728	-0.361354	0.0493495	2.44E-13	0.0226682	0.0228516	0.3212096	0.3179911	12	0.78747357
ENSG00000184923	10	NUTM2A	88985205	rs2478639	10	89093624	T	G	0.813121	-0.0060517	0.0106655	0.570432	0.806649	0.102017	2.64E-15	-0.0075023	0.013256	0.5714228	0.8797636	8	0.89520588
ENSG00000214562	10	NUTM2D	89117425	rs2986492	10	89106683	A	G	0.807157	-0.0039233	0.010747	0.715066	-0.504824	0.0904543	2.39E-08	0.00777162	0.0213341	0.7156478	0.8597092	10	0.93605801
ENSG00000228055	10	LINC00864	89156780	rs7902959	10	89167473	C	T	0.204771	0.00335094	0.0111235	0.763224	0.798735	0.092709	6.96E-18	0.00419531	0.0139349	0.7633651	0.1635708	8	0.94139208
ENSG00000026103	10	FAS	90750414	rs12359362	10	90753145	C	G	0.39165	-0.0091895	0.00825499	0.265618	-0.787832	0.0637653	4.57E-35	0.0116643	0.0105206	0.2675514	0.8037776	20	0.75271127
ENSG00000261438	10	RP11-399O19.9	90775593	rs12359362	10	90753145	C	G	0.39165	-0.0091895	0.00825499	0.265618	-0.544153	0.080438	1.33E-11	0.0168878	0.0153744	0.2720136	0.8184657	8	0.75436188
ENSG00000185745	10	IFIT1	91152303	rs305374	10	91120287	G	A	0.272366	0.0026553	0.00890337	0.765524	-0.484122	0.0799783	1.42E-09	-0.0054848	0.0184131	0.7657993	0.4697828	12	0.94199564
ENSG00000152778	10	IFIT5	91174343	rs304493	10	91142586	G	A	0.241551	0.00420098	0.00913315	0.645538	-0.534458	0.0616387	4.29E-18	-0.0078603	0.0171126	0.646001	0.3993048	18	0.92320922
ENSG00000235100	10	RP11-80H5.9	91426938	rs72818774	10	91520817	C	T	0.227634	0.012817	0.0100317	0.201374	0.572142	0.10052	1.26E-08	0.0224018	0.0179699	0.2125336	0.4709417	3	0.70128891
ENSG00000232229	10	LINC00865	91589267	rs3802651	10	91599043	T	C	0.168986	-0.0071767	0.0110192	0.514861	1.18703	0.0880754	2.12E-41	-0.0060459	0.00929383	0.515352	0.8761618	20	0.87041275
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.900222	0.0772794	2.32E-31	-0.0014126	0.0096847	0.8840349	0.8233402	20	0.98128259
ENSG00000186188	10	FFAR4	95326422	rs10882310	10	95458897	A	G	0.544732	0.0145114	0.00811573	0.0737666	0.448625	0.0755033	2.82E-09	0.0323464	0.0188916	0.08685778	0.5225499	6	0.57027956
ENSG00000148690	10	FRA10AC1	95427640	rs1998840	10	95460373	G	T	0.132207	-0.0175233	0.0146115	0.230419	0.968622	0.0921546	7.70E-26	-0.018091	0.0151827	0.2334376	0.9301561	20	0.7286292
ENSG00000173145	10	NOC3L	96075004	rs11187899	10	96108102	C	G	0.270378	-0.0118247	0.0101174	0.242504	0.283734	0.0513353	3.26E-08	-0.0416753	0.0364466	0.2528462	0.3614151	20	0.74108855
ENSG00000052749	10	RRP12	99116115	rs7896100	10	99156994	T	C	0.335984	-0.0017253	0.00843681	0.837963	0.220107	0.0361493	1.14E-09	-0.0078386	0.0383521	0.8380535	0.1338246	6	0.96350438
ENSG00000171160	10	MORN4	99374310	rs10882971	10	99391471	T	G	0.193837	-0.0281645	0.00982781	0.00415958	-0.519524	0.0488128	1.88E-26	0.0542121	0.0195907	0.00565336	0.2259411	8	0.25561277
ENSG00000119943	10	PYROXD2	100143322	rs2147896	10	100148176	G	A	0.347913	-0.0083992	0.00817178	0.304029	0.445917	0.0549714	4.99E-16	-0.0188358	0.0184723	0.3078811	0.973502	18	0.77648702
ENSG00000107521	10	HPS1	100175955	rs6584193	10	100155898	C	T	0.704771	0.0130589	0.0105651	0.216445	0.493373	0.0790511	4.34E-10	0.0264686	0.0218299	0.2253242	0.07988671	11	0.71895527
ENSG00000227695	10	DNMBP-AS1	101686767	rs74593376	10	101675655	C	G	0.0367793	0.0361982	0.0214907	0.0921107	-0.880722	0.140721	3.88E-10	-0.0411006	0.0252695	0.1038449	0.6669489	6	0.59966108
ENSG00000095485	10	CWF19L1	101992055	rs12784396	10	102027407	T	C	0.427435	-0.0055387	0.00853414	0.516332	0.870017	0.0719838	1.25E-33	-0.0063662	0.0098233	0.5169358	0.02264172	20	0.87041275
ENSG00000196072	10	BLOC1S2	102033713	rs6584357	10	102050344	T	A	0.0576541	0.00385282	0.017285	0.823614	-0.747925	0.0781161	1.02E-21	-0.0051514	0.0231169	0.8236606	0.02913305	15	0.95876638
ENSG00000107593	10	PKD2L1	102047903	rs9419897	10	102246125	C	T	0.201789	0.0272634	0.00953433	0.00424317	-0.642323	0.107014	1.95E-09	-0.042445	0.0164419	0.0098368	0.7784557	8	0.30378948
ENSG00000075826	10	SEC31B	102246399	rs2495741	10	102331795	G	A	0.189861	0.0313775	0.00978138	0.00133715	-0.309359	0.0480711	1.23E-10	-0.101427	0.0353286	0.00409215	0.9924873	6	0.2393289
ENSG00000272572	10	RP11-179B2.2	102670860	rs10883559	10	102667278	T	A	0.574553	0.0220078	0.00810429	0.00661607	0.446334	0.0746704	2.27E-09	0.0493079	0.0199434	0.01342135	0.5561396	3	0.34535425
ENSG00000055950	10	MRPL43	102729215	rs55646950	10	102760996	T	C	0.183897	-0.0112959	0.0104586	0.280116	0.320304	0.0461326	3.84E-12	-0.0352662	0.0330448	0.2858711	0.2509514	16	0.75904533
ENSG00000186862	10	PDZD7	102767440	rs11190803	10	102790799	A	C	0.314115	0.00274844	0.00919388	0.764983	-0.261433	0.0411845	2.18E-10	-0.010513	0.0352062	0.7652366	0.3944262	6	0.94166946
ENSG00000107833	10	NPM3	103541082	rs61873589	10	103627885	C	G	0.372763	-0.0124535	0.00813811	0.125949	-0.369358	0.0665709	2.88E-08	0.0337166	0.0228558	0.1401617	0.8990271	5	0.6277735
ENSG00000269609	10	RP11-18I14.10	104209574	rs1133932	10	104215975	G	A	0.0944334	-0.0058032	0.0179323	0.746229	-0.677377	0.0853217	2.04E-15	0.00856711	0.0264951	0.7464329	0.8472439	20	0.93687539
ENSG00000166275	10	C10orf32	104613980	rs3740392	10	104636855	C	T	0.264414	-0.0001528	0.00960167	0.987305	-0.39017	0.0494321	2.95E-15	0.00039156	0.024609	0.9873054	0.09294662	16	0.99662399
ENSG00000214435	10	AS3MT	104629273	rs11191415	10	104602575	T	G	0.298211	-0.003541	0.00899374	0.693792	-0.569023	0.0827912	6.29E-12	0.00622291	0.0158315	0.6942666	0.1184701	14	0.93344952
ENSG00000148834	10	GSTO1	105995114	rs17885600	10	106027186	T	A	0.0119284	0.0498329	0.0419884	0.235297	-1.12837	0.162215	3.50E-12	-0.0441636	0.0377493	0.2420336	0.3179501	7	0.73372296
ENSG00000065621	10	GSTO2	106028631	rs276204	10	106035313	G	C	0.368787	-0.0128347	0.00868268	0.139355	-0.363148	0.0428661	2.42E-17	0.0353429	0.0242707	0.1453389	0.0826519	15	0.63685097
ENSG00000228261	10	RP11-127L20.3	106083127	rs11595547	10	106076414	G	A	0.315109	-0.0264135	0.00920217	0.00410006	-0.805458	0.0700377	1.31E-30	0.0327931	0.0117752	0.00535404	0.31729	20	0.25561277
ENSG00000150594	10	ADRA2A	112836790	rs2256511	10	112996845	C	T	0.351889	0.00312711	0.00829729	0.706261	0.430647	0.0652943	4.24E-11	0.00726142	0.0192985	0.7067166	0.485821	11	0.93460877

ENSG00000119913	10	TECTB	114043493	rs117765391	10	114018097	T	C	0.0497018	0.0137746	0.0163766	0.400286	1.10954	0.145583	2.51E-14	0.0124147	0.0148494	0.4031331	0.9037934	11	0.83284351
ENSG00000232934	10	RP11-324O2.3	114165977	rs2900946	10	114191550	C	T	0.297217	0.0216002	0.00872005	0.0132465	0.634318	0.0821749	1.17E-14	0.0340526	0.0144376	0.01834369	0.6550691	9	0.35177373
ENSG00000023041	10	ZDHHC6	114190058	rs3736059	10	114197982	T	A	0.602386	-0.0153724	0.00831551	0.0645104	0.428393	0.0707314	1.39E-09	-0.0358839	0.020295	0.07704186	0.3039973	9	0.54918417
ENSG00000165806	10	CASP7	115438942	rs9420146	10	115415549	A	T	0.626243	-0.0158878	0.00833662	0.0566774	-0.448253	0.0541191	1.20E-16	0.0354438	0.019084	0.06327492	0.379092	20	0.53537857
ENSG00000151892	10	GFRA1	117816444	rs10749197	10	117933097	G	A	0.601392	-0.00722	0.00833502	0.386366	0.539406	0.0648931	9.39E-17	-0.0133851	0.0155359	0.3889289	0.08636212	12	0.82705257
ENSG00000165650	10	PDZD8	119040000	rs363230	10	119029515	T	C	0.5	0.00710655	0.00806352	0.378144	0.327794	0.042834	1.97E-14	0.0216799	0.0247619	0.3812834	0.1894849	9	0.82180041
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.944547	0.0719412	2.23E-39	0.0117493	0.00868038	0.1758797	0.4961337	20	0.65919056
ENSG00000227165	10	WDR11-AS1	122521324	rs10886785	10	122610391	G	C	0.16004	0.00027794	0.0119756	0.981484	-0.798731	0.106642	6.90E-14	-0.000348	0.0149934	0.9814839	0.3461715	20	0.99662399
ENSG00000120008	10	WDR11	122610687	rs7076911	10	122624270	C	T	0.333996	-0.0056731	0.00882734	0.520438	-0.627238	0.0539817	3.28E-31	0.00904451	0.0140949	0.5210755	0.673337	20	0.87041275
ENSG00000226864	10	RP11-500G22.2	123687827	rs11200264	10	123685862	A	C	0.302187	0.00111883	0.00836792	0.893636	-1.10044	0.0761846	2.72E-47	-0.0010167	0.00760448	0.8936406	0.4150963	20	0.98431676
ENSG00000138161	10	CUZD1	124591665	rs10902843	10	124675253	G	A	0.577535	-0.0017695	0.00828173	0.830811	0.339217	0.0581964	5.58E-09	-0.0052164	0.0244307	0.8309226	0.6509152	7	0.96173345
ENSG00000203791	10	METTL10	126436718	rs2363340	10	126461368	A	C	0.548708	-0.0057866	0.00818933	0.479817	-0.521588	0.0521646	1.54E-23	0.0110941	0.0157399	0.4809107	0.9046654	20	0.85841597
ENSG00000188690	10	UROS	127477146	rs4256900	10	127511756	T	C	0.44334	0.0199608	0.00814064	0.0142066	-0.678416	0.0459595	2.61E-49	-0.0294227	0.0121639	0.01556968	0.8263035	20	0.34868323
ENSG00000188916	10	FAM196A	128933694	rs2489380	10	128994388	G	C	0.873757	-0.0054947	0.0129976	0.672479	0.389432	0.0706657	3.57E-08	-0.0141096	0.0334738	0.6733818	0.8244626	5	0.93020759
ENSG00000170430	10	MGMT	131265448	rs1008982	10	131445731	C	T	0.380716	0.0127442	0.00820274	0.120268	-0.500356	0.0545466	4.60E-20	-0.0254703	0.0166273	0.1255631	0.780434	20	0.61328273
ENSG00000188385	10	JAKMIP3	133918175	rs11592585	10	133955427	G	A	0.341948	0.00114395	0.00836815	0.891265	0.5127	0.0463574	1.97E-28	0.00223123	0.016323	0.8912739	0.1640496	20	0.98288568
ENSG00000235010	10	RP11-140A10.3	133994729	rs1552680	10	134009987	G	T	0.804175	-0.0097434	0.010195	0.339224	-0.961387	0.114662	5.09E-17	0.0101347	0.0106731	0.3423398	0.4028736	14	0.80677995
ENSG00000148814	10	LRRC27	134145614	rs4526701	10	134146006	A	G	0.295229	-0.0057579	0.00924283	0.533315	0.483386	0.0558972	5.25E-18	-0.0119115	0.0191706	0.5343739	0.7706287	20	0.87447889
ENSG00000229081	10	RP11-432J24.6	134334331	rs4293055	10	134323744	A	G	0.4334	0.00012833	0.00822394	0.98755	0.445307	0.0583027	2.21E-14	0.00028818	0.0184681	0.9875501	0.08715054	20	0.99662399
ENSG00000068383	10	INPP5A	134351324	rs7923337	10	134295750	T	A	0.5	-0.0049653	0.00807294	0.538523	0.149176	0.0258901	8.32E-09	-0.0332845	0.0544243	0.5408195	0.1290073	14	0.87983781
ENSG00000240707	10	RP13-137A17.6	134779038	rs28460431	10	134794361	T	C	0.569583	-0.0149197	0.00808067	0.0648425	-0.453679	0.0719636	2.90E-10	0.032886	0.0185596	0.07640854	0.7213423	10	0.54918417
ENSG00000148824	10	MTG1	135207598	rs7083614	10	135226236	A	G	0.241551	-0.0060199	0.00969331	0.534575	0.913421	0.0819629	7.63E-29	-0.0065905	0.0106286	0.5352094	0.3739823	15	0.87447889
ENSG00000214279	10	RP11-108K14.4	135267432	rs2265182	10	135251357	A	T	0.673956	0.00152332	0.00889516	0.864025	0.4948	0.0692965	9.31E-13	0.00307866	0.0179825	0.8640638	0.3143657	8	0.97635199
ENSG00000171772	10	SYCE1	135367404	rs4615946	10	135355394	A	G	0.76839	0.00579569	0.0100215	0.563042	0.461802	0.0838867	3.69E-08	0.0125502	0.0218203	0.5651827	0.05730505	10	0.89125722
ENSG00000177951	11	BET1L	167784	rs939916	11	202253	A	G	0.684891	0.00127781	0.0091617	0.889076	0.378368	0.063962	3.31E-09	0.00337716	0.0242205	0.889107	0.7007478	11	0.9818645
ENSG00000142082	11	SIRT3	215458	rs7943332	11	225149	T	C	0.21173	0.00265193	0.00981158	0.786941	-0.418075	0.0478684	2.46E-18	-0.0063432	0.0234797	0.7870399	0.894839	12	0.94647669
ENSG00000185627	11	PSMD13	236546	rs10794304	11	246456	A	G	0.729622	-0.0042488	0.00944205	0.65272	-0.656298	0.0667265	7.91E-23	0.00647389	0.0144019	0.6530589	0.8023621	20	0.92458065
ENSG00000142102	11	ATHL1	289135	rs7110174	11	296203	G	A	0.737575	-0.0127667	0.00910254	0.160754	0.537474	0.059432	1.52E-19	-0.0237532	0.0171382	0.1657549	0.02032702	15	0.65566494
ENSG00000185201	11	IFITM2	307631	rs2091850	11	304951	T	C	0.242545	-0.0070295	0.0095524	0.461796	0.29396	0.050737	6.88E-09	-0.0239133	0.0327566	0.4653734	0.4760588	5	0.85502448
ENSG00000251661	11	RP11-326C3.11	318640	rs34702437	11	332798	G	C	0.405567	0.00836577	0.00807893	0.300434	-0.535779	0.0630672	1.97E-17	-0.0156142	0.0151905	0.3039983	0.9363813	20	0.77468166
ENSG00000142089	11	IFITM3	319669	rs6421983	11	320394	T	C	0.451292	0.00676262	0.00813634	0.405881	-0.249236	0.036922	1.47E-11	-0.0271334	0.0328917	0.4094098	0.5042731	13	0.83869386
ENSG00000255328	11	RP11-326C3.12	327171	rs11246067	11	326564	T	A	0.417495	0.00697197	0.00808765	0.388659	0.889569	0.0743062	5.00E-33	0.00783747	0.00911519	0.3898854	0.673377	20	0.82705257
ENSG00000270972	11	RP11-326C3.15	333192	rs6598042	11	324635	A	G	0.419483	0.00660631	0.00809749	0.414588	0.693154	0.0758998	6.69E-20	0.0095308	0.0117286	0.4164414	0.5421031	20	0.84543748
ENSG00000185187	11	SIGIRR	405716	rs35828848	11	403545	T	C	0.217694	-0.007046	0.00975895	0.47029	-0.46585	0.0639827	3.32E-13	0.0151251	0.0210514	0.4724596	0.2795569	5	0.85664168
ENSG00000174775	11	HRAS	532242	rs61877795	11	537502	T	C	0.0984095	0.00124608	0.0139677	0.928914	-0.40609	0.0452211	2.71E-19	-0.0030685	0.0343973	0.9289173	0.7227976	20	0.99131001
ENSG00000177106	11	EPS8L2	694438	rs76431003	11	707025	A	G	0.219682	-0.0020939	0.0108644	0.847172	0.621773	0.0779074	1.45E-15	-0.0033676	0.0174784	0.8472156	0.9639351	11	0.96802793
ENSG00000177042	11	TMEM80	695428	rs7118663	11	684489	T	C	0.491054	-0.0031421	0.00804674	0.696178	-0.773819	0.0693878	6.99E-29	0.00406056	0.0104051	0.696354	0.9089436	20	0.93344952
ENSG00000255284	11	AP006621.5	777578	rs7104929	11	784340	G	C	0.445328	0.0004775	0.00809258	0.952948	0.7674	0.065946	2.68E-31	0.00062223	0.0105456	0.9529491	0.2354349	20	0.99132464
ENSG00000255142	11	AP006621.6	781645	rs7951926	11	774568	T	C	0.440358	-0.0060385	0.00806237	0.453874	0.54029	0.0757818	1.01E-12	-0.0111764	0.0150044	0.4563484	0.1209789	12	0.85502448
ENSG00000177666	11	PNPLA2	818902	rs7925131	11	820268	G	A	0.692843	0.011214	0.00915735	0.220731	-0.385409	0.051637	8.40E-14	-0.0290964	0.0240778	0.2268807	0.7701474	15	0.72023813
ENSG00000177697	11	CD151	832843	rs61876748	11	833262	G	T	0.7167	-0.0184857	0.0100093	0.0647679	0.384432	0.0517875	1.14E-13	-0.0480857	0.0268303	0.07309805	0.9366644	9	0.54762401
ENSG00000183020	11	AP2A2	924894	rs10902266	11	1005697	T	G	0.567594	0.0057738	0.00807245	0.474456	0.224648	0.0360444	4.59E-10	0.0257015	0.0361696	0.4773423	0.1332946	4	0.85676979
ENSG00000254872	11	RP13-870H17.3	1049880	rs75981612	11	1056707	A	G	0.117296	-0.0042756	0.0150094	0.77575	0.381019	0.057939	4.83E-11	-0.0112215	0.0394297	0.7759542	0.09514	4	0.94457502
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.823922	0.050492	7.37E-60	0.0120795	0.0101093	0.2321305	0.7921458	20	0.72731669
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.902066	0.0893675	5.88E-24	-0.0005647	0.0120975	0.9627716	0.7742923	5	0.99132464
ENSG00000226416	11	MRPL23-AS1	2004467	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.916877	0.117047	4.75E-15	-0.0005555	0.0119021	0.9627719	0.7344361	3	0.99132464
ENSG00000110665	11	C11orf21	2316875	rs2651837	11	2317914	A	G	0.388668	-0.0091121	0.00829296	0.271865	-0.477853	0.075549	2.53E-10	0.0190689	0.0176145	0.2790018	0.6838927	7	0.75538126
ENSG00000236710	11	AC108448.2	3105623	rs2289998	11	3109408	T	C	0.685885	0.00420063	0.00879471	0.632913	0.535297	0.0803213	2.66E-11	0.00784729	0.0164717	0.6337827	0.8703977	4	0.91773611
ENSG00000005801	11	ZNF195	3360491	rs2269731	11	3393111	C	T	0.792247	0.00666075	0.00988754	0.500533	0.441634	0.0651362	1.20E-11	0.0150821	0.0224988	0.5026345	0.7700315	19	0.87041275
ENSG00000223756	11	TSSC2	3402191	rs11026824	11	3402303	C	G	0.107356	-0.0066911	0.0127511	0.599761	-0.759285	0.13305	1.15E-08	0.00881237	0.0168644	0.6012927	0.568227	3	0.90796345
ENSG00000167311	11	ART5	3659733	rs115012337	11	3663224	A	G	0.533797	0.00832645	0.00858246	0.331962	0.525741	0.0837559	3.45E-10	0.0158376	0.0165183	0.3376664	0.6740313	7	0.79993575
ENSG00000167325	11	RRM1	4115937	rs67065286	11	4105273	C	A	0.314115	0.00558829	0.00835024	0.503344	0.31438	0.0465385	1.43E-11	0.0177756	0.026691	0.5054259	0.7289738	20	0.87041275
ENSG00000132275	11	RRP8	6616305	rs11040933	11	6621516	A	G	0.39662	0.00259043	0.00831362	0.755353	-0.319002	0.0571392	2.37E-08	-0.0081204	0.0261019	0.7557211	0.4675756	5	0.93884925
ENSG00000175390	11	EIF3F	7991798	rs4559682	11	8015651	C	T	0.276342	0.00969353	0.00887181	0.27456	0.29684	0.0410906	5.05E-13	0.0326557	0.0302274	0.2799933	0.7179511	6	0.75586089
ENSG00000166405	11	RIC3	8127597	rs4340037	11	8128158	C	A	0.214712	-0.0154903	0.00960457	0.106787	0.218343	0.0369936	3.59E-09	-0.0709448	0.0456012	0.1197635	0.8351396	3	0.61106548
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	1.13878	0.103043	2.15E-28	0.0101801	0.00914764	0.2657656	0.3771686	20	0.75169485
ENSG00000133805	11	AMPD3	10329860	rs11042812	11	10474010	A	G	0.455268	-0.0085052	0.00813845	0.295996	0.362458	0.0437217	1.13E-16	-0.0234652	0.0226312	0.299805	0.6714733	18	0.77272183
ENSG00000177112	11	MRVI1-AS1	10562819	rs12278433	11	10563823	T	C	0.0954274	0.00179857	0.0151155	0.905284	-1.3398	0.126014	2.11E-26	-0.0013424	0.0112826	0.9052904	0.08604229	11	0.98799482
ENSG00000072952	11	MRVI1	10594638	rs28725289	11	10737302	G	C	0.299205	0.0309558	0.00899909	0.00058197	-0.408624	0.0504712	5.67E-16	-0.0757562	0.0239283	0.00154567	0.3809191	7	0.19685577
ENSG00000247271	11	ZBED5-AS1	10879806	rs1554520	11	10903770	C	T	0.555666	0.00892811	0.0081503	0.273327	-0.418866	0.0567558	1.58E-13	-0.021315	0.0196712	0.278559	0.4225075	10	0.75482811
ENSG00000260196	11	RP1-239B22.5	17402196	rs117316587	11	17367267	T	G	0.055666	0.00283634	0.0203243	0.889012	0.516205	0.0889662	6.54E-09	0.0054946	0.0393839	0.8890442	0.8007606	4	0.9818645
ENSG00000187486	11	KCNJ11	17407406	rs1799858	11	17449929	T	C	0.151093	-0.0054145	0.0101684	0.594395	0.710893	0.0765999	1.69E-20	-0.0076164	0.0143272	0.5949998	0.5066937	10	0.90406835
ENSG00000166788	11	SAAL1	18091482	rs7933259	11	18096260	C	T	0.260437	0.0050237	0.00900069	0.576745	-0.891028	0.0997396	4.13E-19	-0.0056381	0.0101212	0.5774865	0.9858645	18	0.89639273
ENSG00000110768	11	GTF2H1	18343842	rs11024634	11	18392074	A	G	0.710736	-0.0055284	0.00890427	0.534686	0.405571	0.0469809	5.99E-18	-0.0136311	0.0220116	0.5357392	0.5487326	11	0.87447889
ENSG00000166796	11	LDHC	18433854	rs11605386	11	18433720	G	C	0.115308	0.0315272	0.0136316	0.0207339	1.56458	0.121995	1.19E-37	0.0201506	0.00885317	0.02284074	0.6509018	19	0.39677591
ENSG00000179057	11	IGSF22	18725852	rs748945	11	18748239	G	C	0.39165	0.008367	0.00910319	0.358028	-0.38148	0.0543177	2.17E-12	-0.021933	0.0240663	0.3621074	0.5241562	6	0.81243949
ENSG00000109854	11	HTATIP2	20385231	rs10437608	11	20385606	A	G	0.538767	0.0017171	0.00807793	0.831665	0.548137	0.0548437	1.61E-23	0.00313261	0.0147404	0.8317023	0.05736431	20	0.96173345
ENSG00000171714	11	ANO5	22214722	rs10766918	11	22223687	G	A	0.796223	0.00878889	0.0102918	0.393123	-0.422487	0.0680184	5.25E-10	-0.0208027	0.0245892	0.3975461	0.3830889	7	0.82778514
ENSG00000198168	11	SVIP	22835345	rs2286811	11	22851172	T	C	0.294235	-0.0161716	0.00878827	0.0657476	-0.195288	0.0335678	5.97E-09	0.082809	0.047199	0.07935103	0.3726748	5	0.55958335
ENSG00000148942	11	SLC5A12	26688566	rs117748224	11	26698807	A	G	0.0487078	-0.002006	0.0136857	0.883469	0.828352	0.111536	1.11E-13	-0.0024216	0.0165248	0.8834918	0.3241612	18	0.98128259
ENSG00000245573	11	BDNF-AS	27528385	rs11030025	11	27509136	T	C	0.498012	0.00580806	0.00808997	0.472798	0.233599	0.0373188	3.86E-10	0.0248634	0.0348589	0.4756865	0.2197636	18	0.85676979
ENSG00000254532	11	RP11-624D11.2	30065605	rs1222211	11	30362239	C	A	0.22167	0.0129771	0.0104641	0.214917	0.942503	0.109914	9.92E-18	0.0137688	0.011218	0.2196781	0.08179603	12	0.71530986
ENSG00000242353	11	RP4-710M3.1	30389695	rs654710	11	30394303	G	A	0.754473	-0.0015086	0.0100732	0.880955	0.649417	0.10285	2.72E-10	-0.0023229	0.0155155	0.8809882	0.1976232	4	0.98076949
ENSG00000176148	11	TCP11L1	33060963	rs10430948	11	33077466	C	T	0.589463	-0.0059011	0.00811544	0.467139	0.251903	0.0376841	2.32E-11	-0.023426	0.0324066	0.4697555	0.08341586	9	0.85502448
ENSG00000085063	11	CD59	33719807	rs831616	11	33722823	T	C	0.249503	-0.0085058	0.0088518	0.336596	-0.290985	0.0494045	3.87E-09	0.0292311	0.0308223	0.3429383	0.08866305	11	0.80681043
ENSG00000121691	11	CAT	34460472	rs3781711	11	34516626	A	G	0.204771	0.0052916	0.0102536	0.605804	-0.375189	0.0588945	1.88E-10	-0.0141038	0.0274187	0.6069812	0.9377712	20	0.91090351
ENSG00000149089	11	APIP	34874641	rs3852516	11	34964491	G	A	0.328032	0.00359698	0.00922847	0.696707	0.884218	0.0605151	2.37E-48	0.00406798	0.0104406	0.6968092	0.2302048	20	0.93344952
ENSG00000110435	11	PDHX	34937376	rs7118017	11	34901123	G	A	0.45328	0.0158507	0.00824539	0.0545595	0.215447	0.0382441	1.77E-08	0.0735712	0.040438	0.06885664	0.9893215	9	0.53758036
ENSG00000149084	11	HSD17B12	43577986	rs7934707	11	43857928	C	G	0.66998	-0.0050562	0.00861848	0.557428	0.601262	0.0491581	2.12E-34	-0.0084093	0.0143505	0.5578806	0.2441597	20	0.88690277
ENSG00000110455	11	ACCS	44087475	rs178521	11	44096238	A	G	0.742545	-0.0038406	0.00924778	0.677922	0.637592	0.0746766	1.37E-17	-0.0060236	0.0145214	0.6782815	0.6249793	20	0.93020759
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	1.1537	0.115118	1.22E-23	-0.0066531	0.00943675	0.4807952	0.1449583	20	0.85841597
ENSG00000205106	11	CTD-2210P24.4	45792983	rs11038665	11	45830198	G	A	0.744533	-0.0122416	0.0088845	0.168246	-0.399233	0.0577425	4.71E-12	0.0306628	0.0226915	0.176603	0.0211215	16	0.65919056
ENSG00000134569	11	LRP4	46878419	rs61897787	11	47167789	A	G	0.224652	-0.0135374	0.00866079	0.118038	0.240646	0.0417997	8.56E-09	-0.0562544	0.0372926	0.131437	0.463943	7	0.61757097
ENSG00000110514	11	MADD	47290712	rs35233100	11	47306630	T	C	0.0516899	0.0282137	0.0202641	0.163831	-0.471708	0.0796599	3.19E-09	-0.0598118	0.0441305	0.1753094	0.66619	5	0.65919056
ENSG00000196666	11	FAM180B	47608198	rs11605774	11	47832793	A	G	0.354871	-0.0243221	0.00847673	0.00411405	0.510747	0.0923411	3.18E-08	-0.0476206	0.018697	0.0108663	0.642479	5	0.30983639
ENSG00000109919	11	MTCH2	47638867	rs11039255	11	47495746	T	G	0.356859	-0.024843	0.00842014	0.00317329	0.413362	0.0486707	2.01E-17	-0.0600999	0.021564	0.00531917	0.09692392	18	0.25561277
ENSG00000205035	11	RP11-707M1.1	49580098	rs61905888	11	49997736	T	C	0.592445	0.00955898	0.00818371	0.242787	0.519386	0.0505897	9.96E-25	0.0184044	0.0158582	0.2458198	0.127943	10	0.73556754
ENSG00000255190	11	TRIM51DP	49896497	rs10839318	11	49657511	C	G	0.526839	0.00292168	0.00805536	0.71683	0.854843	0.0779443	5.49E-28	0.0034178	0.00942836	0.716977	0.1782241	9	0.93605801
ENSG00000149150	11	SLC43A1	57252007	rs2848626	11	57283988	T	C	0.791252	-0.0046482	0.0102583	0.650462	-0.473734	0.0723493	5.84E-11	0.0098119	0.0217059	0.6512417	0.2250952	9	0.92429596
ENSG00000134809	11	TIMM10	57295936	rs2848626	11	57283988	T	C	0.791252	-0.0046482	0.0102583	0.650462	-0.501862	0.0478892	1.07E-25	0.00926197	0.0204596	0.6507677	0.03601151	20	0.92429596
ENSG00000214872	11	SMTNL1	57308979	rs2848638	11	57311754	T	G	0.4334	0.0011393	0.00808312	0.887911	0.565895	0.0840046	1.62E-11	0.00201327	0.0142869	0.8879353	0.2859054	8	0.9818645
ENSG00000166928	11	MS4A14	60146003	rs7123266	11	60167326	G	C	0.269384	0.0154522	0.00864124	0.0737446	-0.546515	0.0693513	3.26E-15	-0.0282741	0.0162135	0.08118365	0.2591026	20	0.5652901
ENSG00000187049	11	TMEM216	61159159	rs729404	11	61221118	G	A	0.854871	0.0341325	0.0125759	0.00664508	-0.335489	0.0506014	3.36E-11	-0.10174	0.0405046	0.01201165	0.02872662	13	0.33092283
ENSG00000162174	11	ASRGL1	62104920	rs2513749	11	62105391	T	C	0.883698	0.00108814	0.0149025	0.941792	-0.379263	0.0581493	6.93E-11	-0.0028691	0.0392958	0.941796	0.9902833	8	0.99132464
ENSG00000149499	11	EML3	62369690	rs2958236	11	62395061	A	G	0.650099	0.0144218	0.00896784	0.107799	-0.27435	0.0360664	2.81E-14	-0.0525672	0.0334101	0.1156281	0.633875	12	0.6058989
ENSG00000162194	11	C11orf48	62430287	rs4489748	11	62432815	C	T	0.260437	-0.0117311	0.00966563	0.224864	0.512221	0.0864828	3.16E-09	-0.0229024	0.0192622	0.2344455	0.6900723	7	0.72959002
ENSG00000162222	11	TTC9C	62495541	rs2510075	11	62523559	A	G	0.213718	-0.018299	0.0110104	0.0965184	0.276192	0.0493146	2.14E-08	-0.0662546	0.0415832	0.1110926	0.8871032	5	0.60330103
ENSG00000176485	11	PLA2G16	63340667	rs61928242	11	63549018	C	A	0.272366	0.00974794	0.00886913	0.27173	0.235725	0.0393538	2.10E-09	0.041353	0.038253	0.27968	0.8636975	10	0.75586089
ENSG00000149743	11	TRPT1	63991271	rs11549691	11	63993287	T	C	0.0636183	0.00146154	0.0182843	0.93629	-0.6424	0.0779319	1.68E-16	-0.0022751	0.0284638	0.9362926	0.462298	14	0.99132464
ENSG00000257086	11	RP11-783K16.13	64014411	rs7478730	11	64018827	T	C	0.177932	0.012168	0.0105678	0.249557	0.709424	0.108751	6.87E-11	0.0171519	0.0151266	0.2568388	0.2864501	10	0.74372235
ENSG00000219435	11	TEX40	64067863	rs12788266	11	64093692	T	C	0.161034	0.0144436	0.0110496	0.191158	-0.734942	0.0780352	4.59E-21	-0.0196527	0.0151788	0.1954067	0.567792	15	0.68910262
ENSG00000126432	11	PRDX5	64085560	rs1662185	11	64100776	G	A	0.684891	-0.0092482	0.00869968	0.287756	0.224653	0.039152	9.58E-09	-0.0411668	0.039384	0.2958992	0.8927993	3	0.76840073
ENSG00000168071	11	CCDC88B	64107695	rs66493355	11	64108539	T	C	0.305169	0.00665662	0.00901842	0.460445	0.412687	0.0595757	4.30E-12	0.0161299	0.0219766	0.4629738	0.4295732	11	0.85502448
ENSG00000110025	11	SNX15	64794880	rs486984	11	64792254	G	A	0.709742	0.0175693	0.00865136	0.0422737	0.486475	0.0669289	3.63E-13	0.0361155	0.0184649	0.05047625	0.08724878	8	0.51534623
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-0.999439	0.0822857	6.03E-34	0.0124969	0.00891978	0.1612041	0.01500036	20	0.65108594
ENSG00000245532	11	NEAT1	65190245	rs512715	11	65191208	G	C	0.757455	-0.0026399	0.0109225	0.809015	-0.406541	0.0465947	2.66E-18	0.00649361	0.0268772	0.8090879	0.08308116	18	0.95474942
ENSG00000172922	11	RNASEH2C	65482367	rs3372	11	65485218	A	G	0.355865	0.00230086	0.00896048	0.797349	-0.2703	0.040829	3.58E-11	-0.0085123	0.0331751	0.7974986	0.9136108	11	0.94842062
ENSG00000172803	11	SNX32	65601112	rs17854357	11	65601560	C	G	0.161034	0.0109134	0.012092	0.366773	0.404537	0.052386	1.14E-14	0.0269775	0.0300944	0.3700237	0.5576066	13	0.81388426
ENSG00000255320	11	RP11-755F10.1	66012311	rs79770412	11	66045344	C	G	0.173956	-0.0274133	0.0105198	0.00916389	1.37935	0.111813	5.78E-35	-0.0198741	0.00779493	0.01078423	0.05718077	20	0.30983639
ENSG00000174165	11	ZDHHC24	66288108	rs17147644	11	66256660	T	C	0.241551	0.00081589	0.00832681	0.921946	-0.61593	0.0764219	7.65E-16	-0.0013246	0.0135201	0.9219514	0.1666091	14	0.9901514
ENSG00000174080	11	CTSF	66330934	rs7943327	11	66256581	C	G	0.241551	0.00078551	0.00832907	0.924864	0.325262	0.0477298	9.45E-12	0.00241499	0.0256097	0.9248709	0.1295324	9	0.99060699
ENSG00000173715	11	C11orf80	66511922	rs56230646	11	66651299	A	G	0.106362	0.0211114	0.0229931	0.358534	-0.429316	0.0762366	1.79E-08	-0.0491745	0.0542647	0.3648319	0.4399171	4	0.81243949
ENSG00000173156	11	RHOD	66824289	rs114895445	11	66824261	T	C	0.0745527	0.0203874	0.0152377	0.18091	-0.781072	0.0941453	1.07E-16	-0.0261018	0.0197608	0.1865376	0.3238894	10	0.67608456
ENSG00000172613	11	RAD9A	67159176	rs56088284	11	66899619	G	A	0.0715706	0.0235593	0.0180993	0.193031	0.700395	0.0829523	3.08E-17	0.0336372	0.0261468	0.1982787	0.04490909	17	0.69037633
ENSG00000084207	11	GSTP1	67351066	rs6591249	11	67341658	A	G	0.408549	0.00044477	0.00847647	0.958154	-0.207968	0.0278497	8.17E-14	-0.0021386	0.0407595	0.9581546	0.1046227	14	0.99132464
ENSG00000160172	11	FAM86C2P	67559119	rs12419789	11	67576065	G	A	0.600398	0.00398489	0.00835126	0.633248	-0.58455	0.0674898	4.66E-18	-0.006817	0.0143083	0.6337625	0.06451792	20	0.91773611
ENSG00000255306	11	RP5-901A4.1	67792277	rs2075626	11	67799926	C	T	0.212724	-0.0191327	0.0123075	0.120053	0.71665	0.10333	4.05E-12	-0.0266974	0.0175998	0.1292874	0.4012409	7	0.61757097
ENSG00000110717	11	NDUFS8	67798084	rs2075626	11	67799926	C	T	0.212724	-0.0191327	0.0123075	0.120053	-0.250378	0.0399679	3.74E-10	0.0764153	0.0506466	0.1313514	0.4105359	5	0.61757097
ENSG00000197345	11	MRPL21	68658744	rs583182	11	68678634	T	C	0.300199	-0.0080586	0.00832971	0.333319	-0.877004	0.0543281	1.28E-58	0.00918876	0.00951496	0.3341856	0.3993959	20	0.79946895
ENSG00000132740	11	IGHMBP2	68671310	rs11228386	11	68628553	A	G	0.291252	-0.0093909	0.00833326	0.259778	0.507778	0.0732431	4.13E-12	-0.018494	0.0166266	0.2660026	0.8716853	20	0.75169485
ENSG00000254682	11	RP11-660L16.2	71159720	rs11233747	11	71171642	A	G	0.700795	0.00740373	0.00824541	0.369227	0.988427	0.0642284	1.93E-53	0.00749042	0.00835614	0.3700409	0.3337971	20	0.81388426
ENSG00000172890	11	NADSYN1	71164155	rs732934	11	71186476	A	G	0.700795	0.00719952	0.00824953	0.382817	0.318207	0.0560109	1.34E-08	0.0226253	0.0262291	0.3883572	0.294127	5	0.82705257
ENSG00000254997	11	KRTAP5-9	71259466	rs11234027	11	71234107	A	G	0.191849	-0.0062493	0.00907094	0.490865	0.808981	0.0921415	1.64E-18	-0.0077249	0.0112473	0.4921944	0.2959309	12	0.86532344
ENSG00000204572	11	KRTAP5-10	71276609	rs11234027	11	71234107	A	G	0.191849	-0.0062493	0.00907094	0.490865	0.860616	0.107304	1.05E-15	-0.0072614	0.0105789	0.4924568	0.253003	13	0.86532344
ENSG00000227467	11	RP11-169D4.1	72281704	rs61522071	11	72283586	T	G	0.382704	0.00657489	0.00873393	0.451571	0.468567	0.0616668	3.00E-14	0.0140319	0.0187309	0.4537783	0.7164291	14	0.85502448
ENSG00000214530	11	STARD10	72465774	rs519790	11	72504141	G	C	0.281312	-0.00665	0.00914589	0.467165	0.440043	0.0445039	4.70E-23	-0.0151121	0.0208402	0.4683647	0.3861929	20	0.85502448
ENSG00000175575	11	PAAF1	73587744	rs60863026	11	73633779	A	G	0.0815109	-0.0106365	0.0179451	0.553365	-0.927781	0.0807595	1.51E-30	0.0114645	0.0193677	0.5538927	0.7967951	9	0.88673262
ENSG00000175538	11	KCNE3	74165886	rs12365702	11	74189057	C	T	0.219682	-0.0061389	0.00967153	0.525601	-0.662889	0.0981437	1.44E-11	0.00926078	0.0146543	0.5274184	0.4940133	8	0.87447889
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.224	0.0703503	8.45E-68	0.00077163	0.00699572	0.9121713	0.4475367	20	0.98830215
ENSG00000241170	11	RP11-147I3.1	74587331	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	-0.696147	0.065547	2.39E-26	-0.0013567	0.0123006	0.9121743	0.4562726	20	0.98830215
ENSG00000255362	11	RP11-619A14.3	75922000	rs1357123	11	75920684	T	A	0.461233	0.00275318	0.00814531	0.735357	-0.4658	0.0616689	4.25E-14	-0.0059107	0.0175042	0.7356118	0.4181094	20	0.93605801
ENSG00000255135	11	RP11-111M22.3	76152382	rs113130900	11	76152515	T	C	0.0457256	0.0113897	0.0176949	0.519788	-1.04095	0.113088	3.42E-20	-0.0109416	0.0170403	0.5208061	0.8445358	10	0.87041275
ENSG00000159063	11	ALG8	77811982	rs230667	11	77877369	C	G	0.539761	-0.0171559	0.00806949	0.0335019	-0.6195	0.0659938	6.16E-21	0.0276931	0.0133557	0.03812512	0.04210919	20	0.46055727
ENSG00000246174	11	KCTD21-AS1	77850817	rs682742	11	77843259	T	C	0.630219	0.016001	0.00845668	0.0584763	-0.477156	0.0687052	3.79E-12	-0.0335341	0.0183691	0.06791442	0.2080174	13	0.53758036
ENSG00000188997	11	KCTD21	77882295	rs1144764	11	77870486	T	C	0.527833	-0.0156075	0.00807145	0.0531545	-0.526259	0.0479618	5.18E-28	0.0296574	0.0155738	0.05686818	0.08740541	20	0.52780415
ENSG00000137513	11	NARS2	78147007	rs7124803	11	78280822	G	T	0.765408	-0.0036439	0.00888748	0.681805	0.593846	0.0762286	6.68E-15	-0.0061361	0.0149867	0.6822206	0.04621426	17	0.93046593
ENSG00000137500	11	CCDC90B	82970139	rs573871	11	82985959	T	C	0.405567	-0.002205	0.00822871	0.788728	-0.287966	0.0414511	3.73E-12	0.00765715	0.0285965	0.7888801	0.4384945	11	0.94647669
ENSG00000254916	11	RP11-529A4.12	89785005	rs12417707	11	89834751	C	T	0.240557	-0.0124609	0.00883394	0.15837	-0.652492	0.0988813	4.15E-11	0.0190974	0.0138446	0.1677693	0.9153421	9	0.65646672
ENSG00000077616	11	NAALAD2	89864683	rs1061470	11	89925762	T	C	0.424453	-0.0052522	0.00806505	0.514897	-0.260512	0.0426436	1.00E-09	0.0201611	0.0311339	0.5172675	0.9315197	4	0.87041275
ENSG00000166002	11	SMCO4	93211638	rs7110943	11	93028940	G	A	0.477137	0.0156417	0.00811424	0.0538939	-0.40163	0.057088	1.99E-12	-0.0389455	0.020948	0.06300478	0.09018543	8	0.53461161
ENSG00000182919	11	C11orf54	93474757	rs3132750	11	93501148	A	G	0.635189	0.00394656	0.00845064	0.640489	-0.584456	0.0566263	5.65E-25	-0.0067525	0.0144738	0.640832	0.148622	11	0.92192422
ENSG00000214376	11	VSTM5	93551398	rs1605291	11	93589507	T	C	0.45328	0.0008161	0.00807695	0.919518	0.318944	0.0502594	2.21E-10	0.00255876	0.0253272	0.9195284	0.2686815	17	0.98862402
ENSG00000020922	11	MRE11A	94152895	rs680695	11	94212154	G	A	0.33499	-0.009451	0.00848404	0.265291	0.563384	0.0606935	1.66E-20	-0.0167754	0.0151671	0.2687111	0.6129937	20	0.75396333
ENSG00000150316	11	CWC15	94695787	rs11020997	11	94720424	G	A	0.659046	0.0275252	0.00850703	0.00121392	-0.266663	0.0430077	5.63E-10	-0.103221	0.0359843	0.00412421	0.1429296	6	0.2393289
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	0.941747	0.0759787	2.79E-35	0.0116871	0.0129532	0.3669216	0.8928854	20	0.81333811
ENSG00000255501	11	CARD18	105008448	rs11824662	11	105393576	C	T	0.456262	-0.0040105	0.0081975	0.624681	-0.389808	0.0701982	2.81E-08	0.0102883	0.021111	0.6260169	0.8792983	18	0.91490418
ENSG00000261098	11	RP11-819C21.1	107182858	rs630693	11	107197606	C	G	0.298211	0.00977827	0.0092992	0.293021	0.327421	0.0560414	5.14E-09	0.0298645	0.0288577	0.3007204	0.1926971	13	0.77272183
ENSG00000170290	11	SLN	107578104	rs629949	11	107593050	T	C	0.578529	0.00065392	0.00819717	0.936417	-0.558348	0.0686674	4.25E-16	-0.0011712	0.0146818	0.93642	0.7754579	13	0.99132464
ENSG00000110660	11	SLC35F2	107661717	rs4754264	11	107722540	A	C	0.444334	0.0199631	0.00809736	0.0136864	0.826032	0.0720354	1.93E-30	0.0241675	0.0100267	0.01593914	0.0323468	20	0.34868323
ENSG00000075239	11	ACAT1	107992243	rs3741056	11	107992346	C	G	0.341948	-0.0010774	0.00870768	0.901533	0.260772	0.0456844	1.14E-08	-0.0041314	0.0333998	0.9015558	0.5111895	3	0.98700246
ENSG00000254890	11	RP11-10A7.1	109357694	rs11600810	11	109356443	A	G	0.318091	-0.0113389	0.00817663	0.165519	0.711315	0.0813411	2.23E-18	-0.0159408	0.0116387	0.1708022	0.3076257	20	0.65919056
ENSG00000137713	11	PPP2R1B	111597632	rs615642	11	111649421	A	G	0.624254	0.0135583	0.00832203	0.10327	-0.632067	0.0639167	4.65E-23	-0.0214507	0.0133439	0.107937	0.4958404	20	0.59966108

ENSG00000197580	11	BCO2	112046190	rs11214138	11	112084061	C	T	0.262425	-0.0020484	0.00914525	0.822767	-0.629944	0.0649057	2.86E-22	0.00325175	0.0145214	0.8228136	0.9244804	18	0.95876638
ENSG00000149292	11	TTC12	113185251	rs11214587	11	113232422	G	T	0.465209	-0.0173888	0.00811857	0.0322055	-0.602967	0.0662042	8.42E-20	0.0288387	0.0138317	0.03707148	0.3623652	20	0.45477223
ENSG00000270179	11	RP11-159N11.4	113239200	rs11214587	11	113232422	G	T	0.465209	-0.0173888	0.00811857	0.0322055	-0.448037	0.074643	1.94E-09	0.0388111	0.0192394	0.04366711	0.2730868	11	0.48930389
ENSG00000166682	11	TMPRSS5	113558272	rs3914060	11	113586757	C	T	0.303181	0.00285334	0.00860487	0.740195	0.51336	0.0627817	2.91E-16	0.00555817	0.0167756	0.7404001	0.5701227	12	0.93605801
ENSG00000246100	11	LINC00900	115624966	rs12419439	11	115628122	T	C	0.0457256	-0.0162188	0.0195676	0.407182	0.803603	0.117701	8.64E-12	-0.0201826	0.0245286	0.4106111	0.9347536	9	0.83952463
ENSG00000254851	11	RP11-109L13.1	117006244	rs236910	11	117081974	G	A	0.263419	-0.0068734	0.00884573	0.437139	0.922714	0.0923676	1.69E-23	-0.0074491	0.0096156	0.4385214	0.8825978	20	0.85502448
ENSG00000118181	11	RPS25	118886422	rs11217124	11	118889132	G	A	0.256461	-0.0069516	0.00918873	0.449328	-0.216318	0.0339373	1.84E-10	0.0321361	0.042776	0.4524935	0.2369867	7	0.85502448
ENSG00000196655	11	TRAPPC4	118889142	rs569	11	118894287	G	A	0.227634	-0.0046618	0.00953482	0.624895	0.71775	0.0620875	6.55E-31	-0.006495	0.0132962	0.6252041	0.139959	20	0.91490418
ENSG00000271751	11	RP11-110I1.14	118935974	rs1307145	11	118950217	G	C	0.358847	-0.0075214	0.00884488	0.395124	-0.620824	0.09591	9.61E-11	0.0121151	0.0143694	0.3991626	0.1917955	8	0.83005889
ENSG00000160695	11	VPS11	118938403	rs4614	11	118952371	G	A	0.360835	-0.0063613	0.00879176	0.469338	-0.575885	0.0557349	5.02E-25	0.0110462	0.0153039	0.4704246	0.1440852	9	0.85568282
ENSG00000256269	11	HMBS	118955576	rs7952700	11	118954194	C	G	0.363817	-0.0068105	0.00878036	0.437952	0.519205	0.0657742	2.93E-15	-0.0131172	0.0169926	0.4401509	0.8770514	4	0.85502448
ENSG00000255248	11	RP11-166D19.1	121899063	rs643925	11	121970269	T	C	0.750497	-0.0064697	0.00895858	0.470183	-0.360881	0.0652365	3.17E-08	0.0179275	0.0250348	0.4739272	0.5564839	3	0.85664168
ENSG00000255219	11	RP11-716H6.2	122165898	rs12420569	11	122178268	G	A	0.360835	0.0270888	0.00808763	0.00080984	-0.492744	0.0895359	3.73E-08	-0.0549754	0.0192144	0.00422092	0.6973516	7	0.2393289
ENSG00000166261	11	ZNF202	123594885	rs10502268	11	123626736	T	C	0.573559	-0.0089599	0.00805851	0.266203	-0.34785	0.0527856	4.40E-11	0.0257578	0.0234941	0.2729239	0.504428	7	0.75436188
ENSG00000064199	11	SPA17	124543694	rs78034579	11	124560238	A	T	0.0178926	0.00292893	0.0512387	0.954416	-0.812167	0.138183	4.17E-09	-0.0036063	0.0630919	0.9544179	0.8351505	3	0.99132464
ENSG00000245498	11	RP11-677M14.7	124670346	rs490461	11	124680922	A	G	0.366799	-0.0048443	0.00879282	0.581678	0.534186	0.0622619	9.52E-18	-0.0090685	0.0164941	0.5824549	0.2964228	9	0.89791817
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.717004	0.0785566	7.03E-20	-0.0065493	0.0122515	0.5929449	0.2306876	8	0.90284744
ENSG00000064309	11	CDON	125825691	rs11220296	11	125845952	G	A	0.379722	0.0103039	0.00823807	0.211018	0.520603	0.0650751	1.24E-15	0.0197922	0.0160163	0.2165499	0.6827393	4	0.71097555
ENSG00000110074	11	FOXRED1	126138950	rs685409	11	126130232	T	C	0.776342	0.0191431	0.00973529	0.0492572	0.52767	0.0646062	3.15E-16	0.0362785	0.0189767	0.05590993	0.7747733	18	0.52780415
ENSG00000170322	11	NFRKB	129733531	rs73573507	11	129693418	A	G	0.130219	0.0233097	0.0146124	0.110669	-0.358047	0.0606399	3.54E-09	-0.0651023	0.0422746	0.1235634	0.1783353	13	0.61194908
ENSG00000149418	11	ST14	130029457	rs28365809	11	130029661	C	T	0.131213	-5.28E-05	0.0143389	0.99706	-0.502213	0.0892869	1.86E-08	0.00010519	0.0285514	0.9970604	0.7471757	3	0.99803567
ENSG00000175773	11	RP11-121M22.1	130184888	rs747250	11	130271678	G	T	0.494036	-0.0003448	0.00805269	0.965844	0.724629	0.0922429	3.98E-15	-0.0004759	0.011113	0.9658448	0.1026024	9	0.99346727
ENSG00000255455	11	RP11-890B15.3	130736149	rs7110591	11	130771662	T	G	0.643141	0.00151119	0.00872482	0.86249	-0.509086	0.0670473	3.13E-14	-0.0029684	0.0171427	0.862525	0.4148715	20	0.97530962
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.654005	0.0521321	4.23E-36	0.00363179	0.012373	0.7691211	0.2854314	20	0.94219749
ENSG00000204241	11	RP11-713P17.3	133902167	rs1144232	11	133909657	A	T	0.164016	-0.0098002	0.0105208	0.351593	0.528139	0.0816956	1.01E-10	-0.0185561	0.0201262	0.3565364	0.4440746	3	0.81071725
ENSG00000251226	11	RP11-469N6.1	134605490	rs1944887	11	134626123	G	A	0.581511	0.00640095	0.00872648	0.463248	-0.908254	0.0972357	9.57E-21	-0.0070475	0.00963755	0.4646218	0.2095374	20	0.85502448
ENSG00000256577	12	RP11-283I3.2	312808	rs216241	12	309573	C	A	0.610338	-0.0155581	0.00831082	0.0612026	-0.459194	0.0823329	2.44E-08	0.0338813	0.019091	0.07594339	0.2364443	11	0.54873624
ENSG00000120647	12	CCDC77	498439	rs2007537	12	504797	T	C	0.750497	0.0171254	0.00856148	0.0454695	0.370468	0.0598078	5.85E-10	0.0462264	0.024285	0.05697561	0.4749668	20	0.52780415
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.990501	0.10691	1.95E-20	-0.0159749	0.0108154	0.139659	0.9294536	20	0.62697977
ENSG00000111186	12	WNT5B	1639057	rs929317	12	1640420	T	C	0.280318	-0.004818	0.00840082	0.566295	0.386386	0.0649718	2.73E-09	-0.0124694	0.0218429	0.5680898	0.9891988	3	0.89275284
ENSG00000053702	12	NRIP2	2934514	rs10848712	12	2956677	T	C	0.131213	0.00502074	0.0113882	0.659306	-0.576372	0.0757264	2.71E-14	-0.0087109	0.0197915	0.6598398	0.9896947	20	0.92758828
ENSG00000078246	12	TULP3	2986389	rs2907607	12	3001081	A	C	0.372763	0.00346848	0.00834171	0.677557	-0.48469	0.0607206	1.44E-15	-0.0071561	0.0172337	0.6779687	0.8457555	12	0.93020759
ENSG00000011105	12	TSPAN9	3186521	rs12372425	12	3305905	C	T	0.282306	0.00509057	0.00990002	0.607114	0.389453	0.068677	1.42E-08	0.0130711	0.0255246	0.6085831	0.3200894	4	0.91165983
ENSG00000250770	12	RP5-1063M23.1	3405368	rs740725	12	3420674	T	A	0.467197	0.00886102	0.00813776	0.276208	-0.283629	0.045145	3.33E-10	-0.0312416	0.0291193	0.2833239	0.6660701	6	0.75886819
ENSG00000111254	12	AKAP3	4724674	rs979877	12	4757896	C	T	0.522863	-0.0023352	0.00829202	0.778235	0.620647	0.0688914	2.08E-19	-0.0037625	0.0133668	0.7783411	0.8063157	13	0.9451639
ENSG00000111321	12	LTBR	6484211	rs10849448	12	6493351	G	A	0.737575	-0.014208	0.00945673	0.132987	-0.417755	0.0463424	1.98E-19	0.0340104	0.0229493	0.1383456	0.9091277	14	0.62373764
ENSG00000215039	12	CD27-AS1	6548167	rs111922468	12	6556078	T	C	0.17495	-0.0010177	0.0108375	0.925186	0.402728	0.0575921	2.70E-12	-0.002527	0.0269126	0.9251925	0.5704194	3	0.99060699
ENSG00000139192	12	TAPBPL	6560856	rs2244083	12	6570539	T	A	0.305169	0.00150986	0.00889562	0.865222	0.465728	0.0623413	7.98E-14	0.00324194	0.0191054	0.8652564	0.505953	13	0.9765182
ENSG00000139190	12	VAMP1	6571403	rs1045452	12	6572048	G	A	0.677932	7.59E-05	0.00885532	0.993164	-0.300428	0.0490981	9.42E-10	-0.0002525	0.0294757	0.9931644	0.3087946	5	0.99803567
ENSG00000111664	12	GNB3	6949118	rs1129649	12	6948468	C	T	0.358847	0.0004452	0.00858574	0.958645	-0.359032	0.0445489	7.67E-16	-0.00124	0.0239141	0.9586463	0.1166002	13	0.99132464
ENSG00000111665	12	CDCA3	6953957	rs5441	12	6949026	G	A	0.652087	-0.0026188	0.00819645	0.749345	-0.34394	0.0492857	2.98E-12	0.00761409	0.023856	0.7495987	0.4019725	16	0.93758955
ENSG00000111671	12	SPSB2	6980099	rs6489739	12	6982347	C	A	0.309145	-0.0029176	0.0093314	0.754534	0.921711	0.0668964	3.45E-43	-0.0031654	0.0101266	0.7545957	0.6752669	20	0.93884925
ENSG00000240370	12	RPL13P5	6982553	rs10849538	12	7014607	G	A	0.298211	-0.0039148	0.00939682	0.676965	0.501712	0.0817552	8.42E-10	-0.0078029	0.0187726	0.6776652	0.4647805	7	0.93020759
ENSG00000010626	12	LRRC23	6982733	rs7312645	12	7012189	G	A	0.298211	-0.0047273	0.00939786	0.614953	0.41359	0.05132	7.69E-16	-0.0114299	0.0227669	0.6156396	0.5499047	12	0.91221879
ENSG00000248593	12	DSTNP2	6993846	rs7134129	12	6998158	C	G	0.289264	-0.0039049	0.00941736	0.6784	0.459267	0.0553529	1.07E-16	-0.0085024	0.0205308	0.678778	0.6029414	17	0.93020759
ENSG00000139197	12	PEX5	7341281	rs10161170	12	7368629	C	T	0.271372	-0.0066475	0.00855152	0.436952	-0.737879	0.0618556	8.35E-33	0.00900897	0.0116139	0.4379229	0.09536647	20	0.85502448
ENSG00000164845	12	FAM86FP	8385108	rs12814685	12	8396487	A	G	0.225646	-0.004067	0.00997768	0.683564	0.908525	0.0952975	1.52E-21	-0.0044764	0.0109923	0.6838371	0.07129612	13	0.93046593
ENSG00000226091	12	LINC00937	8448582	rs12427358	12	8460253	A	G	0.0755467	-0.0361071	0.013215	0.00628956	1.38836	0.136292	2.27E-24	-0.026007	0.00985487	0.00831506	0.9287583	20	0.29241284
ENSG00000139187	12	KLRG1	9102640	rs1805671	12	9163594	G	A	0.263419	-0.0003241	0.009068	0.971487	0.672016	0.068203	6.64E-23	-0.0004823	0.0134938	0.9714872	0.6075232	20	0.99538912
ENSG00000245105	12	A2M-AS1	9217773	rs1805661	12	9226961	A	G	0.505964	-0.0028345	0.00817773	0.72888	0.584925	0.0763357	1.82E-14	-0.004846	0.0139951	0.7291461	0.7750906	9	0.93605801
ENSG00000256069	12	A2MP1	9381129	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.707828	0.0808202	1.99E-18	0.00487459	0.0114533	0.6703954	0.4408123	20	0.93003269
ENSG00000256427	12	RP11-118B22.4	9399093	rs717181	12	9395763	C	T	0.629225	-0.0150644	0.00868075	0.0826723	-0.654213	0.0914089	8.25E-13	0.0230268	0.0136535	0.09169756	0.5338796	20	0.58277666
ENSG00000111788	12	RP11-22B23.1	9429831	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-1.04761	0.068655	1.43E-52	0.00329356	0.00773241	0.6701495	0.2390305	20	0.93003269
ENSG00000214826	12	DDX12P	9570309	rs10771463	12	9432789	C	G	0.461233	-0.0033825	0.00809453	0.676044	-0.515411	0.0710493	4.04E-13	0.00656263	0.015731	0.6765489	0.1943172	15	0.93020759
ENSG00000214776	12	RP11-726G1.1	9620148	rs10771784	12	9626678	C	T	0.422465	0.00583462	0.00810411	0.471551	0.637739	0.0758168	4.05E-17	0.00914892	0.012754	0.4731672	0.7451195	20	0.85664168
ENSG00000256594	12	RP11-705C15.2	9787188	rs7302081	12	9800926	T	C	0.285288	0.018455	0.0089375	0.0389332	0.468506	0.0725211	1.05E-10	0.0393912	0.0200274	0.04919853	0.559666	20	0.50903098
ENSG00000184293	12	CLECL1	9868456	rs10772083	12	9874898	C	T	0.572565	0.0124456	0.00817162	0.127753	-0.550862	0.0988235	2.49E-08	-0.022593	0.015378	0.1417854	0.634969	7	0.63115442
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.6868	0.195021	5.18E-18	-0.0082198	0.0113072	0.4672536	0.7335894	12	0.85502448
ENSG00000134539	12	KLRD1	10378657	rs35868193	12	10452730	G	T	0.0745527	0.0501913	0.0162015	0.00194872	0.904056	0.161049	1.98E-08	0.0555179	0.0204688	0.00668136	0.2482897	5	0.27428207
ENSG00000245648	12	RP11-277P12.20	10516368	rs7313688	12	10516191	A	C	0.60338	-0.007386	0.00830719	0.373946	-0.488925	0.0770166	2.18E-10	0.0151065	0.0171566	0.378582	0.3377723	7	0.82169123
ENSG00000183542	12	KLRC4	10559983	rs7309785	12	10610546	T	C	0.193837	0.0132113	0.0105491	0.210438	0.590759	0.0985745	2.06E-09	0.0223633	0.0182426	0.2202429	0.01080618	6	0.71596877
ENSG00000205810	12	KLRC3	10564911	rs10743899	12	10642477	C	T	0.808151	-0.013489	0.0105514	0.201107	-0.428333	0.0743025	8.18E-09	0.0314919	0.0252321	0.2119993	0.02308806	5	0.70128891
ENSG00000205809	12	KLRC2	10579453	rs2734424	12	10581595	C	G	0.831014	-0.0084337	0.0110573	0.44563	-1.06413	0.114658	1.68E-20	0.00792539	0.010426	0.4471591	0.07474782	15	0.85502448
ENSG00000134545	12	KLRC1	10594863	rs10845150	12	10653211	C	G	0.823062	0.0205384	0.0122025	0.0923507	-1.35313	0.124711	1.99E-27	-0.0151784	0.00912584	0.09626493	0.7524543	11	0.59357691
ENSG00000256667	12	KLRAP1	10741077	rs60367665	12	10742389	C	T	0.232604	-0.0040644	0.00958326	0.671481	0.502681	0.0708761	1.32E-12	-0.0080855	0.0190984	0.6720331	0.743905	5	0.93003269
ENSG00000111215	12	PRR4	10977559	rs1650030	12	11349148	C	T	0.809145	-0.0118675	0.00925304	0.199648	-0.730907	0.0931092	4.16E-15	0.0162367	0.0128275	0.2055959	0.7140139	10	0.70128891
ENSG00000231887	12	PRH1	11033610	rs67471783	12	11351211	C	A	0.654076	-0.0086854	0.00850635	0.307234	-0.777774	0.0924546	4.01E-17	0.0111669	0.0110171	0.3107709	0.380498	20	0.77692725
ENSG00000212127	12	TAS2R14	11090005	rs3851586	12	11092621	G	A	0.217694	0.00994345	0.00899206	0.268812	0.616322	0.0836746	1.76E-13	0.0161335	0.0147534	0.2741531	0.07142747	20	0.75436188
ENSG00000256274	12	TAS2R64P	11229368	rs1551193	12	11318574	A	C	0.356859	-0.0005424	0.00866224	0.950068	1.11271	0.091928	1.00E-33	-0.0004875	0.00778492	0.9500692	0.3866402	19	0.99132464
ENSG00000256537	12	RP11-785H5.1	11323963	rs10772398	12	11139589	T	C	0.864811	-0.0010138	0.0145233	0.944349	0.425383	0.057679	1.64E-13	-0.0023833	0.0341432	0.9443513	0.9069727	19	0.99132464
ENSG00000121335	12	PRB2	11544476	rs1834859	12	11480228	G	T	0.210736	-0.026282	0.0100007	0.00858836	0.414918	0.0676919	8.82E-10	-0.0633426	0.0262248	0.01571909	0.8022617	15	0.34868323
ENSG00000247157	12	RP11-434C1.1	11700964	rs10845369	12	11654568	A	G	0.575547	0.0162945	0.00828515	0.0492164	-0.429149	0.0592296	4.31E-13	-0.0379693	0.0200046	0.05769189	0.05546503	14	0.52780415
ENSG00000165714	12	LOH12CR1	12510013	rs75343257	12	12681744	T	C	0.083499	0.0382503	0.0145796	0.00870182	0.454131	0.0829794	4.43E-08	0.0842275	0.0356027	0.01799293	0.2507446	6	0.34868323
ENSG00000255621	12	RP11-377D9.3	13153385	rs1642202	12	13151986	G	T	0.78827	0.0178867	0.0107911	0.0974114	0.824565	0.106291	8.66E-15	0.0216923	0.0133824	0.1050276	0.3002908	20	0.59966108
ENSG00000261324	12	RP11-174G6.5	14915438	rs2195199	12	14927994	C	T	0.586481	0.00611326	0.00806	0.44817	-0.360882	0.0644933	2.20E-08	-0.0169398	0.0225384	0.4522941	0.9421862	6	0.85502448
ENSG00000182993	12	C12orf60	14956506	rs11610238	12	14975721	T	C	0.589463	0.00395941	0.00811269	0.625514	-0.810986	0.0806413	8.58E-24	-0.0048822	0.0100153	0.6259198	0.770252	20	0.91490418
ENSG00000069431	12	ABCC9	21950335	rs2032775	12	22044210	T	C	0.468191	-0.0044419	0.00808785	0.582862	0.336472	0.0483533	3.44E-12	-0.0132015	0.024112	0.5840309	0.3333738	7	0.89791817
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.4462	0.112008	3.88E-38	-0.0093776	0.00939625	0.3182714	0.5534761	13	0.78557346
ENSG00000064115	12	TM7SF3	27126128	rs4963673	12	27120481	T	C	0.633201	-0.0006673	0.00826618	0.935662	-0.3575	0.0488603	2.54E-13	0.00186649	0.0231236	0.9356661	0.8791973	9	0.99132464
ENSG00000247934	12	RP11-967K21.1	28316231	rs11049359	12	28279773	C	T	0.295229	0.0102527	0.00879885	0.243925	-0.388964	0.0634091	8.56E-10	-0.026359	0.0230258	0.252308	0.9016398	18	0.74108855
ENSG00000133704	12	IPO8	30781922	rs12830910	12	30890234	C	T	0.243539	0.00786155	0.00881358	0.372403	-0.501222	0.0551543	1.01E-19	-0.0156848	0.0176687	0.3746938	0.9158721	20	0.81854251
ENSG00000110888	12	CAPRIN2	30862486	rs4930937	12	30894839	G	A	0.0805169	-0.0106432	0.019569	0.586523	-0.372626	0.0665165	2.12E-08	0.0285627	0.0527634	0.5882765	0.8470814	12	0.89990098
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	0.963713	0.0923947	1.80E-25	0.00790423	0.0133917	0.5550348	0.2540417	12	0.88690277
ENSG00000013573	12	DDX11	31226779	rs7953706	12	31226835	A	T	0.431412	-0.0110887	0.00815072	0.173685	-1.19354	0.0641523	2.94E-77	0.0092906	0.00684726	0.174834	0.9750064	20	0.65919056
ENSG00000259937	12	RP11-438D14.2	33557810	rs12425430	12	33663185	T	C	0.442346	0.00228809	0.00821439	0.780594	-0.479708	0.0747244	1.37E-10	-0.0047698	0.0171398	0.7807938	0.1113809	20	0.94646204
ENSG00000257225	12	RP11-328C8.4	42853168	rs2053943	12	42851438	C	T	0.173956	-0.0152562	0.0120597	0.205851	0.831093	0.100353	1.21E-16	-0.0183568	0.014679	0.2110985	0.476056	20	0.70128891
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.55123	0.0815707	1.40E-11	-0.0189061	0.0167134	0.2579736	0.9831391	5	0.74496938
ENSG00000139211	12	AMIGO2	47469490	rs7300656	12	47939090	C	T	0.0666004	0.0227597	0.0158397	0.150752	-0.668942	0.116815	1.03E-08	-0.0340234	0.0244128	0.1634161	0.9067738	8	0.65222189
ENSG00000079337	12	RAPGEF3	48128455	rs12817548	12	48150536	A	G	0.145129	-0.0096729	0.0118761	0.41537	0.41663	0.0660204	2.78E-10	-0.0232169	0.0287416	0.4192171	0.7431664	14	0.84907048
ENSG00000134291	12	TMEM106C	48357352	rs11168332	12	48353477	G	A	0.295229	-0.0066768	0.00835394	0.424151	-0.350304	0.0546085	1.41E-10	0.01906	0.0240321	0.4277145	0.4180914	6	0.85416275
ENSG00000240399	12	RP1-228P16.1	48448596	rs12310999	12	48447658	G	A	0.217694	0.042932	0.0116037	0.00021573	-0.801849	0.0883637	1.14E-19	-0.0535413	0.0156278	0.00061248	0.4561285	20	0.16706239
ENSG00000177981	12	ASB8	48541571	rs2269935	12	48516464	T	G	0.213718	0.0422277	0.0116421	0.00028655	0.583776	0.068384	1.38E-17	0.0723355	0.0216682	0.00084287	0.4003623	20	0.17110293
ENSG00000167535	12	CACNB3	49207577	rs12369114	12	49212806	T	C	0.177932	0.00875778	0.0111435	0.43192	-0.430322	0.0507788	2.36E-17	-0.0203517	0.0260068	0.4338906	0.1290845	11	0.85502448
ENSG00000239617	12	RP11-302B13.1	49297201	rs11168795	12	49327458	C	T	0.409543	0.00185823	0.0082576	0.821954	0.318464	0.0536389	2.90E-09	0.00583498	0.0259481	0.8220794	0.7606857	7	0.95876638
ENSG00000134285	12	FKBP11	49315301	rs833839	12	49366890	A	T	0.486083	0.00243564	0.00813401	0.764605	0.303621	0.0452038	1.86E-11	0.00802197	0.0268166	0.7648318	0.5819603	16	0.94166946
ENSG00000258017	12	RP11-386G11.10	49521565	rs12228775	12	49512760	T	C	0.319085	-0.005848	0.00829438	0.480773	-0.64518	0.104806	7.46E-10	0.00906418	0.01294	0.4836277	0.7993177	16	0.85993352
ENSG00000167553	12	TUBA1C	49582519	rs7958241	12	49509262	G	A	0.333002	-0.0014487	0.00832799	0.861903	0.31722	0.0535509	3.15E-09	-0.0045668	0.0262644	0.8619621	0.3202028	5	0.97523491
ENSG00000161798	12	AQP5	50355653	rs3759129	12	50354437	C	A	0.177932	0.0161868	0.0113103	0.152385	-0.670979	0.0746165	2.42E-19	-0.0241242	0.0170686	0.1575476	0.7031958	12	0.64842413
ENSG00000272368	12	RP4-605O3.4	50505980	rs836177	12	50491821	G	A	0.435388	0.0028955	0.00815884	0.722672	0.645618	0.071626	1.99E-19	0.00448485	0.012647	0.722877	0.9679185	20	0.93605801
ENSG00000205426	12	KRT81	52679697	rs2857673	12	52707973	G	C	0.406561	0.0100339	0.00849766	0.237691	0.564022	0.0878274	1.35E-10	0.0177899	0.0153187	0.2455132	0.1953747	8	0.73556754
ENSG00000111077	12	TENC1	53440753	rs11170385	12	53443278	G	T	0.607356	-0.0154707	0.0080803	0.0555418	0.322175	0.0348348	2.27E-20	-0.0480196	0.0256122	0.06081106	0.2490565	10	0.52874239
ENSG00000135476	12	ESPL1	53662083	rs10747662	12	53669821	T	A	0.673956	-0.0055339	0.00865816	0.522722	-0.662164	0.0815189	4.55E-16	0.0083573	0.013116	0.5240045	0.6862758	14	0.87303227
ENSG00000135390	12	ATP5G2	54026510	rs916134	12	54069803	G	A	0.299205	0.013923	0.0094409	0.140279	0.469689	0.0415884	1.41E-29	0.029643	0.020271	0.1436484	0.1717379	20	0.63428936
ENSG00000248265	12	RP11-834C11.3	54452038	rs2233921	12	54575800	A	C	0.477137	0.00299254	0.00811907	0.71244	0.592227	0.0981729	1.61E-09	0.00505303	0.013735	0.7129511	0.417117	5	0.93605801
ENSG00000135441	12	BLOC1S1	56109820	rs3138141	12	56115778	A	C	0.191849	-0.0017964	0.0108589	0.868604	0.331164	0.0361726	5.43E-20	-0.0054245	0.0327955	0.8686259	0.1720679	8	0.9765182
ENSG00000139531	12	SUOX	56390964	rs10876864	12	56401085	A	G	0.591451	-0.0202772	0.00816879	0.0130545	0.377372	0.0565341	2.47E-11	-0.0537327	0.0230948	0.01998582	0.6269707	8	0.37160209
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.10743	0.0548337	1.06E-90	0.0180507	0.00742622	0.01507082	0.5497261	20	0.34868323
ENSG00000257303	12	RP11-977G19.11	56693926	rs2066818	12	56753822	A	C	0.0636183	-0.0053403	0.0177429	0.763428	-1.02162	0.0984554	3.17E-25	0.0052273	0.0173747	0.763524	0.8272405	20	0.94139208
ENSG00000166881	12	TMEM194A	57449426	rs62621200	12	57472544	T	C	0.0159046	0.0546971	0.0285217	0.0551442	1.48682	0.2084	9.72E-13	0.036788	0.019864	0.0640263	0.7880826	11	0.53758036
ENSG00000123427	12	METTL21B	58165275	rs10431552	12	58178148	A	G	0.319085	-0.0215716	0.008472	0.0108896	0.857664	0.0753477	5.10E-30	-0.0251516	0.0101221	0.0129619	0.1407996	20	0.3408539
ENSG00000123297	12	TSFM	58176372	rs10877014	12	58167661	G	A	0.32008	-0.021461	0.00847295	0.0113128	-0.360582	0.052885	9.22E-12	0.0595177	0.025067	0.01758016	0.1005295	16	0.34868323
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.924436	0.0731248	1.24E-36	0.0320447	0.00961981	0.00086498	0.458195	20	0.17110293
ENSG00000239335	12	RP11-745O10.2	66524531	rs1370126	12	66546892	G	A	0.435388	0.0130862	0.00806503	0.104679	-1.10344	0.0789102	1.97E-44	-0.0118595	0.00735803	0.1070118	0.07150622	18	0.59966108
ENSG00000127311	12	HELB	66696325	rs7308068	12	66696706	T	C	0.532803	-0.0040243	0.00821583	0.624264	0.407176	0.0633827	1.33E-10	-0.0098833	0.0202362	0.6252673	0.3334112	9	0.91490418
ENSG00000111581	12	NUP107	69080514	rs2546513	12	69108448	G	A	0.315109	0.00575447	0.00866016	0.506385	-0.472169	0.0679378	3.65E-12	-0.0121873	0.0184249	0.5083174	0.9470951	10	0.87041275
ENSG00000127337	12	YEATS4	69753483	rs7136238	12	69752509	T	G	0.447316	0.00614324	0.00832114	0.460351	-0.499696	0.053275	6.63E-21	-0.012294	0.0167039	0.4617351	0.8490267	20	0.85502448
ENSG00000166268	12	MYRFL	70219084	rs4332561	12	70157582	T	C	0.0616302	0.00825455	0.0148537	0.5784	1.53504	0.162792	4.12E-21	0.00537742	0.00969322	0.5790582	0.2255651	20	0.89657238
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-1.00963	0.0592372	3.88E-65	-0.0037617	0.00831985	0.6511733	0.307571	20	0.92429596
ENSG00000139278	12	GLIPR1	75874460	rs7971504	12	75888955	G	A	0.611332	0.00912499	0.00809816	0.259828	-0.358166	0.0614335	5.54E-09	-0.025477	0.0230285	0.268586	0.8251688	14	0.75396333
ENSG00000111615	12	KRR1	75890684	rs10506667	12	75907288	A	G	0.233598	0.00900376	0.00985677	0.361001	0.427219	0.0565863	4.36E-14	0.0210753	0.0232402	0.3644882	0.3918827	20	0.81243949
ENSG00000175183	12	CSRP2	77252495	rs11116211	12	77315824	G	A	0.22664	-0.0046711	0.0102394	0.648255	0.56247	0.0629001	3.81E-19	-0.0083046	0.018228	0.6486802	0.0765019	16	0.92429596
ENSG00000257431	12	RP11-263K4.3	82906456	rs4561274	12	82779837	T	G	0.754473	0.00487732	0.0101555	0.631042	-0.633878	0.0982868	1.12E-10	-0.0076944	0.0160656	0.6319829	0.1796423	10	0.91762424
ENSG00000139343	12	SNRPF	96252706	rs56236436	12	96263376	T	C	0.0894632	-0.0296168	0.018171	0.103123	0.662891	0.0879887	4.93E-14	-0.0446782	0.0280459	0.1111514	0.02988826	17	0.60330103
ENSG00000075415	12	SLC25A3	98987369	rs74509116	12	99001375	G	A	0.026839	-0.0010468	0.0208116	0.959886	0.557142	0.096388	7.46E-09	-0.0018788	0.0373556	0.9598873	0.4285259	5	0.99132464
ENSG00000120805	12	ARL1	101786898	rs12817883	12	101814481	C	A	0.115308	0.00728587	0.0144435	0.613953	0.340405	0.0500635	1.05E-11	0.0214035	0.0425469	0.6149243	0.8888327	8	0.91218383
ENSG00000111666	12	CHPT1	102090725	rs10778146	12	102130176	T	G	0.412525	-0.0002021	0.0080776	0.980043	-0.235059	0.0401118	4.63E-09	0.00085964	0.0343645	0.9800427	0.6588248	4	0.99662399
ENSG00000136048	12	DRAM1	102271129	rs4526822	12	102303487	G	A	0.0188867	0.00279271	0.0362973	0.938671	-0.806958	0.139414	7.11E-09	-0.0034608	0.0449844	0.9386768	0.5641767	7	0.99132464
ENSG00000120860	12	CCDC53	102406705	rs6222	12	102789901	A	G	0.0308151	0.00760272	0.022125	0.731127	-0.916418	0.129956	1.77E-12	-0.0082961	0.0241716	0.7314341	0.7520256	5	0.93605801
ENSG00000257681	12	RP11-341G23.4	104140093	rs3751204	12	104171455	T	C	0.277336	-0.0043318	0.00902253	0.631154	0.597658	0.0900943	3.27E-11	-0.0072479	0.015136	0.6320445	0.7411197	15	0.91762424
ENSG00000111696	12	NT5DC3	104164231	rs12229599	12	104154375	T	C	0.0994036	0.00671058	0.0110421	0.543369	0.641354	0.112913	1.35E-08	0.0104631	0.0173151	0.5456589	0.6185075	5	0.88239085
ENSG00000204954	12	C12orf73	104343980	rs703657	12	104350851	A	T	0.335984	-0.0031405	0.00896799	0.726196	-0.346778	0.0545081	1.99E-10	0.0090562	0.0259	0.7265942	0.6981312	9	0.93605801
ENSG00000257951	12	RP11-554D14.4	108275019	rs10861833	12	108296135	C	T	0.560636	0.00618046	0.00807287	0.443923	0.477651	0.0740516	1.12E-10	0.0129393	0.0170198	0.4471065	0.03825239	11	0.85502448
ENSG00000258072	12	RP11-554D14.2	108297047	rs10861835	12	108307258	A	G	0.383698	-0.0010063	0.0081307	0.901497	-0.497617	0.0728699	8.56E-12	0.00202232	0.016342	0.9015132	0.2096691	16	0.98700246
ENSG00000139433	12	GLTP	110288748	rs11832113	12	110303124	A	C	0.45825	0.00903677	0.00812654	0.266135	-0.237596	0.0306751	9.52E-15	-0.0380342	0.0345539	0.271018	0.1039948	15	0.75436188
ENSG00000111237	12	VPS29	110928902	rs4766497	12	110950376	C	T	0.615308	0.023525	0.00820022	0.00411993	-0.275999	0.0465108	2.95E-09	-0.0852358	0.033001	0.00979942	0.0903775	7	0.30378948
ENSG00000111300	12	NAA25	112464500	rs12579851	12	112668755	A	G	0.0775348	-0.0205633	0.0145832	0.158518	0.507487	0.0700755	4.42E-13	-0.0405199	0.0292757	0.1663352	0.06182784	16	0.65566494
ENSG00000257452	12	RP1-71H24.1	113345433	rs1732781	12	113471516	A	G	0.203777	-0.0165919	0.00877318	0.0585976	-0.542164	0.0940398	8.15E-09	0.0306031	0.0170302	0.07233683	0.6412586	9	0.54762401
ENSG00000122965	12	RBM19	114254543	rs7970186	12	114256137	C	T	0.383698	-0.0117403	0.00838039	0.161236	0.486471	0.0560905	4.21E-18	-0.0241336	0.0174502	0.1666651	0.2553208	15	0.65566494
ENSG00000271579	12	RP11-116D17.3	115737393	rs1920954	12	115793544	G	A	0.199801	-6.20E-05	0.012127	0.99592	0.579281	0.104246	2.75E-08	-0.000107	0.0209346	0.9959203	0.7652217	3	0.99803567
ENSG00000196668	12	LINC00173	116971227	rs10850662	12	116974128	A	C	0.0576541	-0.0143966	0.0227188	0.526285	-0.716148	0.109061	5.15E-11	0.0201028	0.031871	0.5281998	0.6331639	4	0.87447889
ENSG00000135108	12	FBXO21	117581146	rs2036311	12	117599698	C	T	0.440358	0.0146196	0.00807075	0.0700745	-0.239147	0.0428558	2.40E-08	-0.0611323	0.0354816	0.08490166	0.5922363	4	0.57027956
ENSG00000089220	12	PEBP1	118573663	rs2463173	12	118593032	T	C	0.5	-0.0047835	0.00807242	0.553466	-0.308517	0.0368065	5.20E-17	0.0155049	0.0262305	0.5544531	0.04633142	18	0.88690277
ENSG00000255618	12	RP11-357K6.1	119210837	rs2730429	12	119211113	T	C	0.879722	0.0120576	0.0112452	0.283612	-0.554252	0.0766742	4.88E-13	-0.0217547	0.020511	0.2888539	0.8146039	6	0.76287666
ENSG00000257218	12	GATC	120884241	rs3817301	12	121014027	A	G	0.106362	0.002638	0.0117409	0.822225	1.18195	0.113221	1.64E-25	0.0022319	0.0099358	0.8222651	0.3603285	20	0.95876638
ENSG00000110871	12	COQ5	120941077	rs603574	12	120998443	G	A	0.279324	-0.0012958	0.00863711	0.880741	0.483694	0.065657	1.75E-13	-0.002679	0.0178603	0.880766	0.4659752	4	0.98076949
ENSG00000122971	12	ACADS	121163538	rs3021338	12	121162989	G	A	0.414513	0.0156674	0.00823699	0.0571597	0.265551	0.0385719	5.80E-12	0.0589996	0.0321806	0.06674427	0.727653	15	0.53758036
ENSG00000157837	12	SPPL3	121200313	rs11065307	12	121316778	C	T	0.482107	0.0257077	0.00808868	0.00148177	-0.253807	0.0438146	6.92E-09	-0.101288	0.036351	0.00532977	0.9815475	12	0.25561277
ENSG00000212694	12	AC084018.1	122233173	rs2707066	12	122231573	T	C	0.812127	0.00035501	0.00984573	0.971237	0.320517	0.0482307	3.02E-11	0.0011076	0.0307187	0.9712375	0.1004149	4	0.99538912
ENSG00000256092	12	hsa-mir-8072	123848415	rs10773016	12	123843239	G	A	0.949304	0.00443905	0.0243613	0.855412	1.11693	0.171209	6.85E-11	0.00397433	0.0218195	0.855468	0.5525421	9	0.97220368
ENSG00000111364	12	DDX55	124086624	rs11057306	12	124097766	G	A	0.115308	0.0188477	0.01415	0.182861	-0.669952	0.0964249	3.71E-12	-0.0281329	0.0215055	0.1908156	0.9244934	20	0.68086964
ENSG00000168778	12	TCTN2	124155660	rs10846538	12	124141029	G	C	0.0427435	-0.0067069	0.019729	0.733895	-0.498537	0.0806127	6.24E-10	0.0134531	0.0396335	0.7342806	0.6699303	4	0.93605801
ENSG00000185344	12	ATP6V0A2	124196865	rs12813758	12	124201294	T	C	0.359841	0.00577816	0.00878922	0.510915	0.31076	0.0522283	2.68E-09	0.0185936	0.0284551	0.513474	0.8675783	7	0.87041275

ENSG00000250091	12	DNAH10OS	124410971	rs4930706	12	124417338	C	T	0.370775	0.0259027	0.00876558	0.00312615	0.227302	0.0413517	3.87E-08	0.113957	0.043783	0.00924726	0.3762825	3	0.29864866
ENSG00000081760	12	AACS	125549925	rs11058046	12	125627053	T	C	0.245527	-0.0012702	0.00850727	0.881314	0.442602	0.0629429	2.04E-12	-0.0028698	0.0192254	0.8813403	0.05491673	12	0.98081647
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.526136	0.0865274	1.20E-09	-0.0063293	0.0154766	0.6825696	0.4716565	8	0.93046593
ENSG00000185684	12	EP400NL	132568828	rs12309945	12	132563254	A	G	0.0675944	0.0167273	0.0114225	0.14308	0.696268	0.0940912	1.36E-13	0.0240242	0.0167235	0.1508439	0.436068	7	0.64465192
ENSG00000185163	12	DDX51	132621139	rs57037358	12	132625643	T	C	0.189861	0.00988417	0.00899283	0.271717	0.348326	0.0513785	1.21E-11	0.0283762	0.0261544	0.2779433	0.04977787	20	0.75436188
ENSG00000256576	12	RP13-977J11.2	132671287	rs11246977	12	132673707	G	C	0.479125	0.0115958	0.00814009	0.154292	0.533644	0.0713785	7.65E-14	0.0217295	0.0155282	0.1617069	0.02457838	20	0.65108594
ENSG00000177084	12	POLE	133200348	rs4883540	12	133206307	C	A	0.565606	0.0130917	0.0081567	0.108488	-0.636161	0.0580381	5.88E-28	-0.0205792	0.0129585	0.1122662	0.5173823	20	0.60439303
ENSG00000032742	13	IFT88	21140585	rs113358599	13	21124368	C	G	0.166004	0.0290381	0.0123704	0.018906	0.42734	0.0668023	1.58E-10	0.0679508	0.0308348	0.02754506	0.732836	8	0.40738371
ENSG00000027001	13	MIPEP	24304328	rs28742895	13	24456358	G	A	0.134195	-0.0234817	0.0139464	0.092238	0.891996	0.0945583	3.97E-21	-0.0263249	0.0158821	0.09741529	0.7928364	19	0.59734669
ENSG00000228741	13	RP11-309I15.1	24553949	rs9507221	13	24607655	A	G	0.568588	-0.0130775	0.00821411	0.111367	-0.572634	0.085509	2.13E-11	0.0228375	0.0147442	0.121404	0.3194	12	0.61188622
ENSG00000205822	13	TPTE2P6	24982295	rs3978675	13	25154028	A	T	0.295229	-0.0024767	0.00878271	0.777949	-0.932457	0.107932	5.66E-18	0.00265606	0.00942391	0.7780642	0.9897712	14	0.9451639
ENSG00000151849	13	CENPJ	25457171	rs4340170	13	25494623	G	A	0.487078	0.0050774	0.00812919	0.532241	0.451178	0.0709958	2.08E-10	0.0112537	0.0181045	0.534209	0.7495986	13	0.87447889
ENSG00000253771	13	TPTE2P1	25498815	rs12862994	13	25530088	C	T	0.132207	-0.0017468	0.0123256	0.887302	1.1565	0.125049	2.28E-20	-0.0015104	0.0106589	0.8873152	0.7258714	20	0.9818645
ENSG00000132970	13	WASF3	27131840	rs1088191	13	27207592	T	C	0.272366	0.0101097	0.00884426	0.253005	0.281599	0.0499682	1.74E-08	0.0359011	0.0320468	0.2625996	0.7259266	4	0.75099662
ENSG00000122034	13	GTF3A	27998681	rs2780338	13	28007750	C	T	0.489066	0.00616956	0.0081327	0.448085	0.273198	0.039895	7.49E-12	0.0225827	0.0299506	0.4508498	0.8134441	20	0.85502448
ENSG00000186184	13	POLR1D	28194903	rs12855186	13	28200940	C	T	0.129225	-0.0174823	0.0126414	0.166681	0.458687	0.0746225	7.91E-10	-0.0381138	0.0282489	0.1772683	0.1675445	4	0.65919056
ENSG00000122025	13	FLT3	28577411	rs61944699	13	28606014	A	G	0.208748	0.0134589	0.0105721	0.202996	0.627863	0.0987523	2.04E-10	0.021436	0.0171725	0.2119282	0.6931862	8	0.70128891
ENSG00000175664	13	TEX26	31506840	rs12857479	13	31531009	A	G	0.362823	0.0035244	0.00824638	0.669097	-0.440112	0.0677837	8.42E-11	-0.008008	0.0187776	0.6697693	0.8621376	3	0.93003269
ENSG00000120669	13	SOHLH2	36742345	rs912930	13	36830662	C	T	0.430417	0.0155176	0.00843519	0.0658218	0.940156	0.0739868	5.40E-37	0.0165053	0.00906565	0.06866066	0.8759089	20	0.53758036
ENSG00000242715	13	CCDC169	36801182	rs1928012	13	36793206	C	A	0.471173	0.0155541	0.0082307	0.0587895	-0.508537	0.0666261	2.30E-14	-0.030586	0.0166738	0.06659777	0.8931314	19	0.53758036
ENSG00000120693	13	SMAD9	37418968	rs72648864	13	37494534	G	A	0.240557	-0.0192487	0.0104103	0.064457	0.662097	0.0749349	9.95E-19	-0.0290723	0.0160638	0.07032652	0.9152594	5	0.53894294
ENSG00000236354	13	LINC00437	39107480	rs9532272	13	39306690	A	G	0.44334	-0.0158629	0.00808667	0.0498081	-0.58373	0.083947	3.56E-12	0.0271751	0.0143941	0.05903578	0.1846694	9	0.52780415
ENSG00000150893	13	FREM2	39261266	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.753145	0.0841436	3.53E-19	0.0155773	0.0110318	0.1579364	0.1822404	13	0.64918014
ENSG00000133103	13	COG6	40229764	rs9315723	13	40257949	C	T	0.255467	-0.0173357	0.00907021	0.055968	-0.424916	0.0620334	7.40E-12	0.0407979	0.0221613	0.06562787	0.918698	7	0.53758036
ENSG00000215483	13	LINC00598	41025131	rs73171150	13	40952101	A	G	0.0715706	0.00045097	0.0167253	0.978489	-0.715181	0.129697	3.50E-08	-0.0006306	0.0233864	0.9784892	0.2750179	8	0.99662399
ENSG00000168852	13	TPTE2P5	41396432	rs9525397	13	41425711	C	G	0.747515	-0.0051466	0.00945122	0.586071	0.545627	0.0856649	1.90E-10	-0.0094324	0.0173849	0.5874335	0.1523046	9	0.89904595
ENSG00000176268	13	CYCSP34	41437735	rs9525420	13	41456764	T	C	0.71173	-0.0077335	0.0087464	0.376589	0.874733	0.0996173	1.62E-18	-0.008841	0.0100495	0.3789958	0.2664577	19	0.82169123
ENSG00000102763	13	VWA8	42140973	rs11842643	13	42406884	A	G	0.0596421	-0.0380488	0.0185534	0.0402893	-0.585382	0.0968715	1.51E-09	0.0649982	0.03347	0.0521386	0.4736776	6	0.52157942
ENSG00000023516	13	AKAP11	42846289	rs17521870	13	42907942	C	T	0.235586	0.00799663	0.00884548	0.365976	-0.165247	0.0273553	1.53E-09	-0.048392	0.054125	0.3712797	0.8550889	7	0.81580456
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-0.817687	0.058145	6.42E-45	-0.0017819	0.0116737	0.8786789	0.0542147	20	0.97923194
ENSG00000179630	13	LACC1	44453420	rs66688207	13	44454734	A	G	0.106362	0.00523288	0.0209843	0.803074	-0.486815	0.0735528	3.63E-11	-0.0107492	0.0431359	0.8032104	0.2237109	14	0.95150324
ENSG00000227258	13	SMIM2-AS1	44716682	rs76367685	13	44717742	T	C	0.707753	-0.0127751	0.00906909	0.15894	-1.05746	0.103179	1.20E-24	0.0120809	0.00865692	0.1628584	0.2486491	16	0.65178939
ENSG00000170919	13	TPT1-AS1	45915480	rs34471229	13	45971741	A	G	0.110338	-0.0260635	0.0165999	0.116392	0.596607	0.079371	5.62E-14	-0.0436862	0.0284244	0.1243108	0.6479329	6	0.61194908
ENSG00000235903	13	CPB2-AS1	46626941	rs56071477	13	46685096	T	C	0.263419	0.00171232	0.008966	0.848542	1.00325	0.0739513	6.34E-42	0.00170677	0.00893784	0.8485567	0.1509368	19	0.96851134
ENSG00000102547	13	CAB39L	49882786	rs35214871	13	49918175	T	G	0.142147	-0.02939	0.0109095	0.00706025	-0.487659	0.0843971	7.55E-09	0.0602675	0.0246832	0.01462056	0.7010947	7	0.34868323
ENSG00000136144	13	RCBTB1	50106082	rs80038301	13	50179355	A	G	0.0506958	0.0127447	0.0137656	0.354532	-0.578903	0.0985915	4.31E-09	-0.0220153	0.0240725	0.3604342	0.590482	10	0.81243949
ENSG00000123179	13	EBPL	50234859	rs1407636	13	50333882	T	G	0.233598	-0.0007946	0.0097128	0.934796	-0.58446	0.0589093	3.36E-23	0.00135959	0.016619	0.9347983	0.3991755	20	0.99132464
ENSG00000204977	13	TRIM13	50570024	rs2066552	13	50592874	A	C	0.167992	-0.012303	0.0101556	0.225722	0.370483	0.060495	9.11E-10	-0.033208	0.027943	0.2346675	0.6937633	10	0.72959002
ENSG00000237152	13	DLEU7-AS1	51381992	rs2812238	13	51300278	C	T	0.153082	-0.0073576	0.0112617	0.513541	-0.595842	0.095631	4.65E-10	0.0123483	0.0190041	0.515841	0.3758317	6	0.87041275
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs2441	13	51514831	T	C	0.318091	-0.0053753	0.00866263	0.534921	-0.691996	0.0900196	1.50E-14	0.00776775	0.012559	0.5362468	0.5069972	20	0.87485625
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.332104	0.0426273	6.65E-15	-0.0113729	0.0247451	0.6458009	0.5498946	15	0.92320922
ENSG00000123201	13	GUCY1B2	51568647	rs7325888	13	51643678	G	C	0.684891	0.0154597	0.00925879	0.0949708	-0.845722	0.100898	5.20E-17	-0.0182799	0.0111629	0.1015141	0.5054826	11	0.59734669
ENSG00000197168	13	NEK5	52611093	rs9526888	13	52912371	T	G	0.0387674	0.0441656	0.0201401	0.0283133	-0.735987	0.123349	2.42E-09	-0.0600087	0.0291544	0.03956063	0.4637814	20	0.46984413
ENSG00000136108	13	CKAP2	53029564	rs7993748	13	52941631	T	C	0.609344	-0.015249	0.00817822	0.0622386	-0.356402	0.0455593	5.17E-15	0.042786	0.0235894	0.06971217	0.03032995	20	0.53814395
ENSG00000139675	13	HNRNPA1L2	53191605	rs9526975	13	53255804	T	C	0.417495	-0.0055945	0.00815771	0.492845	-0.342959	0.0614704	2.42E-08	0.0163124	0.0239653	0.4960818	0.4203117	6	0.86554515
ENSG00000118939	13	UCHL3	76123619	rs9543976	13	76136648	A	G	0.878728	0.00423846	0.0128988	0.742462	0.604858	0.0619323	1.57E-22	0.00700736	0.0213374	0.7426035	0.4963427	10	0.93605801
ENSG00000229865	13	RPL31P54	78996958	rs9574235	13	78991960	C	T	0.247515	0.0148756	0.00883295	0.0921616	-0.695875	0.0861654	6.69E-16	-0.0213768	0.0129663	0.09922159	0.09447913	13	0.59734669
ENSG00000227354	13	RBM26-AS1	79980444	rs2296286	13	79980609	A	C	0.082505	0.00113198	0.0104274	0.913553	1.20149	0.122257	8.57E-23	0.00094215	0.00867925	0.9135582	0.1128585	11	0.98830215
ENSG00000183098	13	GPC6	93879095	rs7997893	13	93861348	T	G	0.500994	-0.0024094	0.00813276	0.767035	0.516937	0.086833	2.63E-09	-0.0046609	0.0157521	0.767315	0.1138575	6	0.94219749
ENSG00000080166	13	DCT	95089558	rs1891099	13	95198342	A	G	0.2833	-0.0133129	0.00853924	0.118991	0.398354	0.0609544	6.35E-11	-0.0334198	0.0220378	0.1293998	0.2885015	6	0.61757097
ENSG00000185352	13	HS6ST3	96743093	rs651812	13	96723232	C	T	0.895626	0.00417729	0.0160125	0.794187	0.263284	0.0459594	1.01E-08	0.0158661	0.0608814	0.7943958	0.6710005	9	0.947444
ENSG00000260992	13	DOCK9-AS2	99740073	rs9557137	13	99737142	T	C	0.272366	-0.0069625	0.00895324	0.436773	-0.468739	0.0636994	1.86E-13	0.0148537	0.0192071	0.4393176	0.2664215	18	0.85502448
ENSG00000134897	13	BIVM	103451399	rs4743	13	103493825	G	C	0.476143	-0.0054449	0.00821484	0.507452	-0.262744	0.0458842	1.03E-08	0.0207231	0.0314743	0.510272	0.5036029	9	0.87041275
ENSG00000250878	13	METTL21EP	103532449	rs9557948	13	103548391	G	A	0.249503	-0.0046739	0.00940339	0.619157	-0.393464	0.0610883	1.19E-10	0.0118789	0.02397	0.6201973	0.1868409	17	0.91395475
ENSG00000272274	13	LINC00551	107270158	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.850966	0.0939859	1.38E-19	0.00102541	0.0098053	0.9167112	0.09707862	6	0.98830215
ENSG00000230156	13	LINC00443	107306264	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.912536	0.0815515	4.58E-29	0.00095623	0.00914351	0.9167093	0.06872043	11	0.98830215
ENSG00000213995	13	CARKD	111267881	rs41275128	13	111290967	C	T	0.173956	0.0138028	0.00993999	0.16495	0.504437	0.0801234	3.06E-10	0.0273628	0.0201787	0.1750926	0.9261123	15	0.65919056
ENSG00000255874	13	LINC00346	111521578	rs2277424	13	111522420	T	C	0.127237	-0.0047811	0.0147372	0.745616	-0.657535	0.115031	1.09E-08	0.00727129	0.0224489	0.7460102	0.4122777	4	0.93687539
ENSG00000102606	13	ARHGEF7	111766906	rs9560025	13	111925198	T	C	0.303181	-0.0309961	0.00841657	0.00023073	0.241811	0.035463	9.19E-12	-0.128183	0.0395586	0.00119388	0.09877841	18	0.19685577
ENSG00000226903	13	LINC00354	112554299	rs6577074	13	112553345	A	G	0.582505	-0.0036061	0.00811101	0.656614	-0.625567	0.0873159	7.81E-13	0.00576453	0.0129908	0.6572308	0.0452794	9	0.92532717
ENSG00000057593	13	F7	113760105	rs1755685	13	113757192	A	C	0.125249	0.00903519	0.0146123	0.536358	-0.490416	0.0792693	6.14E-10	-0.0184235	0.0299442	0.5383814	0.6021531	5	0.87657378
ENSG00000150403	13	TMCO3	114145310	rs2490978	13	114164410	G	A	0.158052	0.0206881	0.0113358	0.067997	-0.396831	0.0556107	9.62E-13	-0.0521333	0.0294853	0.07704195	0.2390901	20	0.54918417
ENSG00000184497	13	TMEM255B	114462216	rs7399367	13	114527697	C	G	0.246521	0.00130562	0.00903796	0.885138	-0.507661	0.0833457	1.12E-09	-0.0025718	0.0178081	0.8851696	0.081513	4	0.98128259
ENSG00000100814	14	CCNB1IP1	20779527	rs2297732	14	20781361	G	A	0.609344	-0.0085289	0.00811077	0.293005	0.489044	0.0671406	3.24E-13	-0.0174399	0.0167569	0.2979857	0.6857003	15	0.77115678
ENSG00000092094	14	OSGEP	20914570	rs1878703	14	20920749	G	C	0.633201	0.011937	0.00867994	0.169057	0.582595	0.054853	2.38E-26	0.0204894	0.0150231	0.1726134	0.07053387	13	0.65919056
ENSG00000258515	14	RP11-203M5.7	20919464	rs2275007	14	20920250	C	T	0.628231	0.0120996	0.00856976	0.157981	0.368786	0.0539825	8.40E-12	0.0328093	0.0237288	0.1667647	0.03569131	8	0.65566494
ENSG00000198805	14	PNP	20937113	rs1713427	14	20936158	G	A	0.235586	0.0164753	0.00988059	0.0954267	-0.396783	0.0613365	9.87E-11	-0.0415222	0.0257157	0.1063835	0.1682951	4	0.59966108
ENSG00000258818	14	RNASE4	21152259	rs944438	14	21164627	G	A	0.32505	0.00373027	0.00877857	0.67089	-0.297727	0.0513878	6.88E-09	-0.0125292	0.0295645	0.6717184	0.407052	4	0.93003269
ENSG00000092203	14	TOX4	21944756	rs8022395	14	21871653	T	C	0.927435	0.00135928	0.0132018	0.917993	0.489021	0.0817712	2.23E-09	0.00277959	0.0270004	0.9180055	0.5467705	12	0.98830215
ENSG00000129562	14	DAD1	23033805	rs5742783	14	23045995	G	A	0.104374	0.00415257	0.0131745	0.752612	0.395336	0.065002	1.19E-09	0.0105039	0.0333695	0.7529324	0.3461764	4	0.93884925
ENSG00000100461	14	RBM23	23369854	rs12589539	14	23396680	C	T	0.581511	-0.007099	0.00812624	0.382338	0.441827	0.0579436	2.44E-14	-0.0160675	0.0185127	0.3854397	0.04549493	16	0.82426801
ENSG00000257285	14	RP11-298I3.1	23398818	rs34026312	14	23398995	A	G	0.342942	-0.0041446	0.00875226	0.635823	0.568219	0.102136	2.65E-08	-0.0072941	0.0154587	0.6370393	0.7786294	3	0.9192467
ENSG00000092036	14	HAUS4	23415437	rs2273626	14	23426182	A	C	0.524851	-0.00471	0.00807959	0.559929	-0.621532	0.0548221	8.58E-30	0.00757798	0.0130166	0.5604479	0.03895857	20	0.8873691
ENSG00000187630	14	DHRS4L2	24439148	rs10148822	14	24421152	T	C	0.0506958	-0.0317794	0.0464148	0.493544	-0.687974	0.0918018	6.67E-14	0.0461927	0.0677469	0.4953384	0.7041042	6	0.86554515
ENSG00000100889	14	PCK2	24563262	rs4982856	14	24563212	C	T	0.646123	0.0124215	0.00848904	0.143402	-0.306229	0.0560706	4.72E-08	-0.0405628	0.0286989	0.1575406	0.6886553	3	0.64842413
ENSG00000100908	14	EMC9	24608174	rs2236352	14	24610733	C	T	0.286282	-0.0104946	0.0087329	0.229467	-0.316709	0.0512696	6.52E-10	0.0331364	0.0280908	0.2381525	0.9989772	7	0.733128
ENSG00000092295	14	TGM1	24718320	rs941504	14	24733467	T	C	0.944334	0.010418	0.0170707	0.541674	0.770128	0.103618	1.07E-13	0.0135276	0.0222407	0.5430293	0.3344546	5	0.88006291
ENSG00000157379	14	DHRS1	24759804	rs4982894	14	24772822	A	G	0.498012	0.0101712	0.00805699	0.206805	-0.734094	0.0682145	5.23E-27	-0.0138554	0.0110507	0.2099112	0.1156633	20	0.70128891
ENSG00000213903	14	LTB4R	24780656	rs111988830	14	24666856	T	C	0.143141	0.0137138	0.0129654	0.290184	-0.338496	0.062056	4.91E-08	-0.0405139	0.0390164	0.2990929	0.08942921	7	0.77272183
ENSG00000139899	14	CBLN3	24895738	rs7143804	14	24903245	T	C	0.756461	0.00397978	0.00848907	0.639203	0.63104	0.0772189	3.03E-16	0.0063067	0.0134746	0.639754	0.04603121	4	0.92163014
ENSG00000100441	14	KHNYN	24898992	rs7143804	14	24903245	T	C	0.756461	0.00397978	0.00848907	0.639203	0.259632	0.039609	5.57E-11	0.0153285	0.0327801	0.6400579	0.1092659	5	0.92164843
ENSG00000203546	14	RP11-176H8.1	31803518	rs34024670	14	31896969	A	G	0.387674	-0.0043272	0.00808191	0.592358	0.588921	0.070884	9.71E-17	-0.0073477	0.0137517	0.5931239	0.7550102	20	0.90284744
ENSG00000092020	14	PPP2R3C	35554673	rs17103034	14	35560539	A	T	0.314115	-0.022308	0.00871386	0.0104655	-0.403969	0.0554058	3.07E-13	0.0552221	0.0228617	0.01571414	0.2622836	13	0.34868323
ENSG00000174373	14	RALGAPA1	36007558	rs4981305	14	36252840	G	C	0.147117	-0.0319227	0.0110937	0.00400774	0.745431	0.0875694	1.70E-17	-0.0428245	0.0157096	0.00641047	0.3409787	8	0.27150615
ENSG00000182400	14	TRAPPC6B	39617015	rs61999429	14	39594976	A	G	0.213718	-0.0128626	0.0100695	0.201468	0.164058	0.0292281	1.99E-08	-0.0784028	0.062947	0.2129348	0.08448586	13	0.70128891
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	0.759855	0.0878007	4.96E-18	-0.0013461	0.0106115	0.8990572	0.1644477	19	0.98528949
ENSG00000165502	14	RPL36AL	50085237	rs3007042	14	50095335	G	A	0.760437	-0.0096268	0.00961837	0.316887	0.415338	0.0482715	7.69E-18	-0.0231782	0.0233141	0.3201392	0.7063514	15	0.78671432
ENSG00000258711	14	RP11-218E20.3	51422977	rs61985002	14	51428216	A	G	0.636183	-0.0098931	0.00848381	0.243569	-0.561369	0.0942963	2.63E-09	0.0176231	0.0153999	0.252472	0.7109843	10	0.74108855
ENSG00000087301	14	TXNDC16	52897308	rs112566626	14	53019946	T	C	0.0616302	-0.0048193	0.0203207	0.81253	-0.483349	0.0768444	3.18E-10	0.00997073	0.0420713	0.8126602	0.688702	6	0.95615968
ENSG00000198252	14	STYX	53196898	rs1952092	14	53234514	G	C	0.487078	0.0146892	0.00821476	0.0737514	0.291002	0.0506791	9.35E-09	0.050478	0.0295664	0.08777034	0.6297216	9	0.57027956
ENSG00000198554	14	WDHD1	55405668	rs1187878	14	55493350	C	T	0.624254	0.00153111	0.00806609	0.84945	0.291435	0.0431558	1.45E-11	0.00525369	0.0276881	0.8495084	0.7800484	18	0.96889877
ENSG00000126775	14	ATG14	55833110	rs7142857	14	55704128	T	C	0.440358	0.00171607	0.00806217	0.831441	0.412726	0.0554231	9.56E-14	0.00415789	0.0195419	0.8315082	0.7085894	20	0.96173345
ENSG00000131966	14	ACTR10	58666798	rs117786767	14	58749267	C	A	0.0487078	-0.0713079	0.01985	0.00032773	-0.463231	0.0623385	1.08E-13	0.153936	0.0475958	0.0012197	0.0353173	9	0.19685577
ENSG00000126790	14	L3HYPDH	59927081	rs8012522	14	60002853	G	A	0.416501	-0.0081403	0.0088293	0.356549	-0.657239	0.0617298	1.80E-26	0.0123856	0.0134842	0.3583448	0.1265976	20	0.81238164
ENSG00000258289	14	CHURC1	65381079	rs10142016	14	65375444	G	T	0.186879	0.00764242	0.0096039	0.42617	0.867502	0.0636227	2.48E-42	0.00880969	0.0110896	0.4269566	0.8986123	20	0.85416275
ENSG00000171723	14	GPHN	66974125	rs10400732	14	67867235	T	C	0.0129225	0.0992536	0.0355781	0.00527509	1.05299	0.122079	6.38E-18	0.0942588	0.035511	0.00794593	0.01500655	20	0.28578256
ENSG00000100564	14	PIGH	68048672	rs61990083	14	68065102	G	A	0.10338	0.00426459	0.0128354	0.739697	0.564662	0.0851417	3.31E-11	0.00755247	0.0227596	0.7400131	0.00477958	5	0.93605801
ENSG00000259038	14	CTD-2325P2.4	69093883	rs7153168	14	69078998	T	C	0.10338	0.0224837	0.0112503	0.0456625	0.533205	0.0740197	5.87E-13	0.0421671	0.0218963	0.05413434	0.9011266	17	0.52780415
ENSG00000133983	14	COX16	70791798	rs72731861	14	70667927	A	C	0.10338	0.00464812	0.0117673	0.692842	-0.639759	0.0965876	3.51E-11	-0.0072654	0.018426	0.6933577	0.5235829	14	0.93344952
ENSG00000258695	14	RP3-414A15.2	73989582	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.695701	0.0869535	1.24E-15	-0.0272846	0.0121804	0.02508791	0.2984541	20	0.40738371
ENSG00000184227	14	ACOT1	74003818	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.661951	0.0838345	2.88E-15	-0.0286757	0.0128148	0.02524054	0.1946973	17	0.40738371
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.731773	0.0842957	3.92E-18	-0.0259396	0.0115114	0.02423497	0.1927142	20	0.40370358
ENSG00000119673	14	ACOT2	74034324	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.618176	0.065009	1.92E-21	-0.0307063	0.0135501	0.023443	0.7765509	20	0.39677591
ENSG00000177465	14	ACOT4	74058410	rs2108465	14	74029698	C	A	0.702783	0.0169371	0.00916495	0.0645981	0.4243	0.061744	6.33E-12	0.0399177	0.0223676	0.07432238	0.0216095	14	0.54762401
ENSG00000205669	14	ACOT6	74077649	rs10150828	14	74077485	T	C	0.464215	-0.0008424	0.00826556	0.918825	-0.630971	0.0768463	2.20E-16	0.00133505	0.0131008	0.9188312	0.07455547	11	0.98862402
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.12683	0.0949196	1.67E-32	-0.0136864	0.0095513	0.1518748	0.9533462	20	0.64465192
ENSG00000258586	14	RP5-1021I20.2	74289262	rs12890741	14	74261657	C	G	0.125249	-0.0143658	0.0106419	0.177038	1.19104	0.125129	1.76E-21	-0.0120616	0.00902437	0.1813684	0.9892364	20	0.66285333
ENSG00000140043	14	PTGR2	74318547	rs1476748	14	74552048	C	T	0.910537	-0.0193141	0.0162044	0.233298	-0.789663	0.085743	3.27E-20	0.0244587	0.0206918	0.2371872	0.5160497	20	0.73238779
ENSG00000100577	14	GSTZ1	77787227	rs4147578	14	77790416	A	G	0.287276	-0.002013	0.0083494	0.809483	0.399127	0.0526497	3.43E-14	-0.0050435	0.0209297	0.8095776	0.1727465	20	0.95474942
ENSG00000100583	14	SAMD15	77843032	rs8018711	14	77921749	A	G	0.49006	-0.0115693	0.00806049	0.151199	-0.286513	0.0430553	2.84E-11	0.0403797	0.02878	0.1606035	0.5204015	5	0.65108594
ENSG00000197734	14	C14orf178	78227173	rs1985149	14	78257503	T	C	0.10835	-0.0209923	0.0131858	0.111376	0.973176	0.16487	3.58E-09	-0.0215709	0.0140334	0.1242662	0.165147	5	0.61194908
ENSG00000063761	14	ADCK1	78266426	rs17106595	14	78374292	T	C	0.148111	-0.0128656	0.0113881	0.258587	-0.438329	0.0667348	5.09E-11	0.0293515	0.0263622	0.2655404	0.5545848	5	0.75169485
ENSG00000042317	14	SPATA7	88851268	rs28509444	14	88951062	G	A	0.296223	-0.0070001	0.00893471	0.433349	-0.702997	0.0536119	2.78E-39	0.00995752	0.0127321	0.4341682	0.6797689	20	0.85502448
ENSG00000258983	14	RP11-507K2.2	88965678	rs2297128	14	88936254	G	A	0.228628	-0.0102702	0.00942596	0.275905	0.696025	0.0891786	5.96E-15	-0.0147555	0.0136739	0.2805427	0.9693648	20	0.75586089
ENSG00000260711	14	RP11-747H7.3	92223103	rs1884840	14	92309325	G	A	0.553678	-0.0027152	0.00809477	0.737301	-0.651617	0.0825646	2.97E-15	0.0041669	0.0124338	0.7375298	0.9222831	13	0.93605801
ENSG00000165929	14	TC2N	92246095	rs1884840	14	92309325	G	A	0.553678	-0.0027152	0.00809477	0.737301	-0.761795	0.0758515	9.84E-24	0.00356424	0.0106318	0.7374425	0.9480415	14	0.93605801
ENSG00000165934	14	CPSF2	92588281	rs7151932	14	92590564	A	T	0.333996	0.00553104	0.00838875	0.509677	-0.268799	0.0437686	8.18E-10	-0.0205769	0.0313876	0.512099	0.1629246	4	0.87041275
ENSG00000165948	14	IFI27L1	94547628	rs3818119	14	94567032	T	C	0.513917	0.00861411	0.00840695	0.305532	0.456645	0.0598721	2.40E-14	0.0188639	0.0185756	0.3098588	0.7064508	11	0.77648702
ENSG00000119632	14	IFI27L2	94594116	rs2273514	14	94595989	C	T	0.16501	-0.0038338	0.00979191	0.695409	-0.390751	0.044342	1.23E-18	0.00981134	0.0250839	0.6956935	0.9514915	16	0.93344952
ENSG00000119698	14	PPP4R4	94612465	rs1950641	14	94750292	A	G	0.168986	-0.0077441	0.0102215	0.448672	-0.219538	0.0368213	2.49E-09	0.0352745	0.0469335	0.4523013	0.5588443	9	0.85502448
ENSG00000250366	14	LINC00617	96342729	rs34767699	14	96354124	A	G	0.0457256	0.0223609	0.022935	0.329575	-0.300294	0.0536168	2.13E-08	-0.0744634	0.0775237	0.3367918	0.5105419	3	0.79993575
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.713282	0.0724195	6.90E-23	-0.0252922	0.017849	0.1564788	0.5516757	7	0.64842413
ENSG00000100749	14	VRK1	97263641	rs78207025	14	97360419	T	C	0.116302	0.0110183	0.0145436	0.44869	-0.393171	0.0573754	7.25E-12	-0.0280242	0.0372159	0.4514399	0.2083635	13	0.85502448
ENSG00000271780	14	RP11-1017G21.5	102414684	rs12147453	14	102398850	A	G	0.0705765	0.0022241	0.0138422	0.872349	0.90129	0.126348	9.79E-13	0.00246769	0.0153621	0.8723812	0.1972208	11	0.977264
ENSG00000156381	14	ANKRD9	102973179	rs1998422	14	102980993	C	G	0.631213	-0.0087548	0.00809758	0.279626	0.306143	0.0439621	3.31E-12	-0.0285971	0.0267672	0.2853572	0.06516589	14	0.75895423
ENSG00000259775	14	RP11-45P15.4	103798011	rs17101502	14	103795351	A	G	0.110338	0.0041934	0.0135949	0.757736	-0.735205	0.0855544	8.44E-18	-0.0057037	0.0185032	0.757888	0.1048318	8	0.93920309
ENSG00000256053	14	APOPT1	104029299	rs61996717	14	104048571	C	T	0.365805	-0.0097203	0.00884125	0.271581	0.296079	0.0431036	6.46E-12	-0.0328302	0.0302412	0.2776508	0.01597154	9	0.75436188
ENSG00000270108	14	RP11-73M18.6	104153913	rs10143623	14	104186876	A	G	0.385686	-0.0073157	0.00876157	0.403733	0.439734	0.0770934	1.17E-08	-0.0166366	0.0201371	0.4087084	0.9147863	3	0.83830826
ENSG00000269958	14	RP11-73M18.8	104162690	rs861530	14	104174123	C	T	0.692843	0.0289614	0.00902167	0.00132639	0.303975	0.0431417	1.84E-12	0.0952756	0.0326142	0.00348585	0.9577048	17	0.23805783
ENSG00000258735	14	LINC00637	104314058	rs140741588	14	104328354	T	C	0.0606362	0.0185335	0.0281253	0.509919	1.45231	0.206148	1.85E-12	0.0127614	0.0194504	0.5117611	0.3836405	5	0.87041275
ENSG00000203485	14	INF2	105155943	rs4334222	14	105163142	G	A	0.56163	0.0158318	0.00843279	0.0604617	-0.247425	0.0427827	7.33E-09	-0.0639863	0.0358331	0.07415167	0.4482651	6	0.54762401
ENSG00000140104	14	C14orf79	105452112	rs12883995	14	105449928	G	C	0.212724	0.0109578	0.00907887	0.227449	0.534871	0.0554335	4.97E-22	0.0204868	0.0171062	0.2310638	0.4976412	20	0.72599673
ENSG00000183828	14	NUDT14	105639275	rs66956754	14	105648000	T	C	0.624254	-0.0087539	0.00835127	0.29454	0.808048	0.0589881	1.04E-42	-0.0108334	0.0103653	0.2959496	0.5444937	20	0.76840073
ENSG00000260760	15	PWRN3	24686274	rs8028777	15	24751425	T	C	0.151093	-0.0032986	0.00999809	0.741459	-0.662684	0.111596	2.88E-09	0.00497762	0.0151105	0.7418428	0.08448409	6	0.93605801
ENSG00000259905	15	PWRN1	24738284	rs28650478	15	24779596	G	A	0.415507	-0.0034701	0.00816968	0.671013	0.619425	0.0706214	1.77E-18	-0.0056022	0.0132046	0.6713753	0.2567459	20	0.93003269
ENSG00000206187	15	RP11-1084I9.1	26147507	rs28629452	15	26273690	A	G	0.259443	0.00669042	0.00940887	0.477037	-0.483362	0.0524877	3.29E-20	-0.0138414	0.0195234	0.4783459	0.03845355	14	0.85676979
ENSG00000232394	15	AC090696.2	28020767	rs2279728	15	28021503	T	C	0.454274	-0.0181529	0.00831377	0.0290008	-0.605661	0.079933	3.53E-14	0.029972	0.0142853	0.03589653	0.9565062	11	0.45477223
ENSG00000261377	15	RP11-578F21.12	29034810	rs147495388	15	29077969	C	T	0.167992	-0.00043	0.0141977	0.975839	-1.3536	0.0894228	9.22E-52	0.00031767	0.0104889	0.9758388	0.1337891	20	0.99631719
ENSG00000215302	15	CTD-3092A11.1	30762982	rs4779492	15	30910575	A	G	0.494036	-0.0111363	0.00808307	0.168288	-0.606718	0.092684	5.91E-11	0.018355	0.0136145	0.1775956	0.2926619	14	0.65919056
ENSG00000270055	15	CTD-3092A11.2	30780166	rs117089113	15	31508099	C	G	0.0347913	0.0262242	0.0266464	0.325039	-1.41261	0.234822	1.79E-09	-0.0185644	0.019114	0.3314269	0.3403428	14	0.79608155
ENSG00000270015	15	RP11-540B6.6	31218717	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	0.409829	0.04671	1.73E-18	0.0375474	0.0204173	0.06591595	0.1971369	20	0.53758036
ENSG00000206127	15	GOLGA8O	32737307	rs1062254	15	32898631	G	C	0.353877	0.00358085	0.00879015	0.683735	0.653575	0.0798563	2.74E-16	0.00547887	0.013466	0.6841056	0.6430091	5	0.93046593
ENSG00000254912	15	RP11-632K20.2	32786204	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	1.00757	0.0992013	3.09E-24	0.00047115	0.00952721	0.9605582	0.921366	9	0.99132464
ENSG00000232653	15	GOLGA8N	32885657	rs4530105	15	32901701	C	A	0.755467	0.011664	0.0099113	0.239262	-0.822882	0.0993116	1.17E-16	-0.0141746	0.0121655	0.2439602	0.697544	7	0.73396771
ENSG00000198826	15	ARHGAP11A	32907345	rs60252695	15	32911105	C	T	0.275348	0.00818158	0.00916835	0.372194	-0.448976	0.0716032	3.60E-10	-0.0182228	0.0206263	0.3769823	0.9380447	3	0.82059765
ENSG00000259446	15	RP11-489D6.2	33595858	rs2251110	15	33598537	T	G	0.512922	-0.0089013	0.00807647	0.270408	-0.810019	0.0742661	1.07E-27	0.010989	0.0100215	0.2728426	0.6188526	20	0.75436188
ENSG00000169857	15	AVEN	34158428	rs519774	15	34345102	G	A	0.642147	0.00953891	0.00846157	0.259607	0.337346	0.0547459	7.18E-10	0.0282763	0.0254991	0.267466	0.2676733	11	0.75271127
ENSG00000215252	15	GOLGA8B	34817408	rs144215799	15	34890377	G	A	0.0109344	0.0695257	0.0757013	0.358398	-1.50573	0.240044	3.55E-10	-0.0461741	0.0508115	0.3634912	0.6642653	3	0.81243949
ENSG00000259181	15	RP11-463I20.3	35285847	rs11856195	15	35297460	G	A	0.327038	-0.0099775	0.00891686	0.263164	-0.513946	0.0811974	2.46E-10	0.0194134	0.0176188	0.2705232	0.2698433	15	0.75436188
ENSG00000248508	15	SRP14-AS1	40331512	rs8041057	15	40330629	T	C	0.702783	-0.0078917	0.00866562	0.362461	0.426017	0.0493043	5.59E-18	-0.0185243	0.0204537	0.3651101	0.3535449	4	0.81243949
ENSG00000140323	15	DISP2	40650436	rs12913300	15	40655444	T	C	0.15507	0.0112909	0.0114257	0.323054	0.526304	0.0515357	1.74E-24	0.0214532	0.0218107	0.3253084	0.06535278	7	0.78892126
ENSG00000128944	15	KNSTRN	40674922	rs8033938	15	40703114	G	A	0.0974155	-0.0254413	0.0113394	0.0248565	1.57955	0.111926	3.19E-45	-0.0161067	0.00726904	0.02670575	0.7501567	20	0.40738371

ENSG00000128928	15	IVD	40697686	rs7165012	15	40654038	G	A	0.532803	-0.0027433	0.00851829	0.747412	0.352708	0.048381	3.09E-13	-0.0077779	0.0241747	0.7476503	0.00149134	10	0.93704979
ENSG00000128891	15	C15orf57	40820882	rs34824658	15	40894153	T	C	0.457256	0.0298589	0.00830464	0.00032384	-0.39103	0.0550661	1.24E-12	-0.0763596	0.023805	0.00133795	0.00580861	18	0.19685577
ENSG00000223313	15	RNU6-516P	40821769	rs1044474	15	40845952	G	A	0.480119	0.0287842	0.00830255	0.00052648	-0.673508	0.102545	5.10E-11	-0.0427377	0.0139393	0.00216953	0.03631602	5	0.21373776
ENSG00000137804	15	NUSAP1	41624892	rs28712264	15	41588797	C	T	0.261431	0.00991479	0.00921291	0.281845	1.00023	0.0950832	7.02E-26	0.00991251	0.00925887	0.2843509	0.00658416	20	0.75895423
ENSG00000137806	15	NDUFAF1	41679551	rs111371454	15	41760617	G	A	0.345924	0.0262961	0.00857125	0.00215536	-0.481741	0.0619074	7.16E-15	-0.0545856	0.0191251	0.00431545	0.05373829	20	0.2393289
ENSG00000103932	15	RPAP1	41809374	rs1200345	15	41819716	T	C	0.517893	0.00559431	0.00806521	0.487911	-0.386825	0.0519358	9.47E-14	-0.0144621	0.02094	0.4897879	0.7851794	13	0.86425265
ENSG00000137877	15	SPTBN5	42140345	rs1648818	15	42207268	C	T	0.439364	-0.0155764	0.00819439	0.0573192	-0.513673	0.0648193	2.29E-15	0.0303236	0.016405	0.06454018	0.8992564	20	0.53758036
ENSG00000180979	15	LRRC57	42834720	rs111625883	15	42865656	A	C	0.083499	0.00615299	0.0137337	0.654137	0.473834	0.0842227	1.84E-08	0.0129855	0.029076	0.6551585	0.9799877	5	0.92487808
ENSG00000168803	15	ADAL	43622872	rs540031	15	43608855	T	C	0.126243	0.00772772	0.0140167	0.581413	-0.971988	0.0949038	1.29E-24	-0.0079504	0.0144415	0.5819591	0.08109341	20	0.89791817
ENSG00000242866	15	STRC	43891596	rs8034451	15	44074284	G	A	0.713718	0.0261488	0.0102604	0.0108183	-0.50637	0.0626707	6.48E-16	-0.0516397	0.0212467	0.01507877	0.3443091	20	0.34868323
ENSG00000249839	15	AC011330.5	43955852	rs2470135	15	43995789	T	C	0.290258	-0.0252286	0.0102766	0.0140903	-0.565299	0.0779462	4.09E-13	0.0446288	0.0191923	0.0200535	0.3804779	20	0.37160209
ENSG00000205771	15	CATSPER2P1	44019116	rs117091329	15	44036768	A	T	0.0357853	-0.0047462	0.0168625	0.778354	-1.66894	0.19582	1.56E-17	0.00284385	0.0101092	0.7784711	0.6212657	18	0.9451639
ENSG00000185880	15	TRIM69	45021186	rs112959940	15	45092645	A	G	0.0159046	-0.0420694	0.0331701	0.204694	-1.13669	0.178744	2.03E-10	0.0370104	0.029756	0.2135741	0.9649196	8	0.70193357
ENSG00000259479	15	CTD-2008A1.2	45118569	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	1.36988	0.187876	3.07E-13	0.00501932	0.0152844	0.7426135	0.5772143	5	0.93605801
ENSG00000140263	15	SORD	45315302	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	-0.852109	0.133423	1.70E-10	-0.0080692	0.0245794	0.7426899	0.6511017	4	0.93605801
ENSG00000259539	15	CTD-2651B20.1	45444862	rs74011382	15	45460602	A	C	0.128231	-0.0201116	0.0115657	0.0820522	1.07564	0.128672	6.30E-17	-0.0186973	0.0109826	0.08866958	0.3496707	15	0.57040492
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	1.02983	0.0827474	1.48E-35	-0.005484	0.00800698	0.4934075	0.5509319	20	0.86532344
ENSG00000137860	15	SLC28A2	45544428	rs6493145	15	45573862	T	G	0.637177	-0.0051192	0.00823338	0.534097	0.609965	0.0868328	2.15E-12	-0.0083927	0.0135509	0.5356906	0.7393416	14	0.87447889
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.815806	0.0802443	2.80E-24	-0.0064468	0.0100484	0.5211476	0.4725148	20	0.87041275
ENSG00000171763	15	SPATA5L1	45694529	rs2467858	15	45711492	G	A	0.277336	0.012084	0.00869567	0.164633	0.577576	0.0913735	2.60E-10	0.0209219	0.015415	0.1747034	0.4928111	5	0.65919056
ENSG00000104043	15	ATP8B4	50150435	rs11070752	15	50437494	C	T	0.394632	0.00332046	0.00810919	0.682196	-0.290719	0.0451464	1.20E-10	-0.0114215	0.0279499	0.6828013	0.8147304	8	0.93046593
ENSG00000140284	15	SLC27A2	50474393	rs12915287	15	50431087	T	C	0.395626	0.00334733	0.00809559	0.679258	-0.56931	0.0551819	5.91E-25	-0.0058796	0.0142314	0.6795011	0.7680089	20	0.93020759
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.72731	0.0441584	5.98E-61	0.00846913	0.0127118	0.5052568	0.4546359	20	0.87041275
ENSG00000104112	15	SCG3	51973550	rs28555597	15	52004560	T	G	0.199801	0.0155013	0.0120065	0.196676	-0.388943	0.0688272	1.60E-08	-0.0398549	0.031665	0.2081588	0.5326938	4	0.70128891
ENSG00000259577	15	RP11-430B1.2	52472290	rs4776011	15	52472713	G	A	0.150099	0.0023197	0.0121696	0.848828	-0.538094	0.063183	1.65E-17	-0.004311	0.0226218	0.8488652	0.9115061	20	0.96851419
ENSG00000197535	15	MYO5A	52599480	rs8028033	15	52649116	G	A	0.626243	0.00742818	0.00948408	0.433494	0.125796	0.0211343	2.65E-09	0.0590494	0.0760424	0.4374348	0.3988249	8	0.85502448
ENSG00000047346	15	FAM214A	52873514	rs11633933	15	52948357	C	T	0.777336	0.00983111	0.0104499	0.346815	0.460613	0.079719	7.56E-09	0.0213435	0.0229857	0.3531188	0.8448817	5	0.81071725
ENSG00000137876	15	RSL24D1	55473004	rs3179664	15	55496853	A	G	0.189861	-0.0073143	0.0109132	0.502711	0.290387	0.0531157	4.58E-08	-0.0251882	0.0378629	0.5058923	0.08631217	7	0.87041275
ENSG00000069974	15	RAB27A	55495164	rs8024695	15	55639305	C	T	0.122266	-0.0106865	0.0124405	0.390335	0.79498	0.0830348	1.03E-21	-0.0134425	0.0157117	0.3922345	0.4061318	11	0.82705257
ENSG00000225973	15	RP11-139H15.1	55609382	rs28657774	15	55632097	T	C	0.11332	-0.0095206	0.0146669	0.516258	-0.632371	0.0981847	1.19E-10	0.0150554	0.023311	0.5183763	0.5797662	8	0.87041275
ENSG00000151575	15	TEX9	56536207	rs7175969	15	56371998	T	C	0.903579	0.0206215	0.0164355	0.209592	0.747193	0.0774848	5.26E-22	0.0275986	0.0221817	0.2134241	0.9456902	18	0.70193357
ENSG00000247982	15	LINC00926	57592563	rs2248886	15	57594933	T	A	0.580517	0.0127804	0.00834163	0.125492	-0.384906	0.0611422	3.07E-10	-0.033204	0.0223045	0.1365748	0.3208721	4	0.62098749
ENSG00000245975	15	RP11-30K9.6	59060271	rs17269439	15	59063144	A	C	0.0298211	-0.0028142	0.0244086	0.908212	0.977797	0.149403	5.96E-11	-0.0028781	0.0249667	0.9082268	0.5160643	20	0.98830215
ENSG00000259251	15	RP11-643M14.1	62352702	rs12911068	15	62359914	T	C	0.0675944	0.004875	0.020418	0.811292	0.822519	0.110107	8.01E-14	0.00592691	0.0248364	0.8113863	0.5358543	9	0.95541966
ENSG00000259466	15	NPM1P47	62374649	rs11635977	15	62370484	C	T	0.460239	-0.0084812	0.00850169	0.318478	0.470815	0.0830133	1.42E-08	-0.0180138	0.0183346	0.3258507	0.1239825	17	0.78892126
ENSG00000103642	15	LACTB	63413999	rs2292038	15	63449680	G	C	0.492048	-0.0068655	0.00805254	0.393886	0.365107	0.0629781	6.74E-09	-0.0188041	0.0222925	0.3989391	0.7210595	14	0.83005889
ENSG00000259459	15	RP11-321G12.1	63682335	rs12916532	15	63674171	C	T	0.272366	0.00313724	0.00861564	0.715759	0.865358	0.0686088	1.79E-36	0.00362537	0.00996031	0.7158718	0.6261403	20	0.93605801
ENSG00000103671	15	TRIP4	64679947	rs673931	15	64814293	A	G	0.892644	-0.0167371	0.0125588	0.182631	-0.524514	0.0822448	1.80E-10	0.0319097	0.0244609	0.1920563	0.2635715	4	0.6823907
ENSG00000140451	15	PIF1	65107831	rs1719277	15	65156523	G	A	0.570577	0.0181742	0.00824751	0.0275524	-0.622188	0.0864546	6.17E-13	-0.0292101	0.0138631	0.03511432	0.6926869	20	0.45477223
ENSG00000090487	15	SPG21	65255362	rs11071822	15	65282191	A	G	0.532803	0.0141508	0.00811019	0.0810177	0.495185	0.0608528	4.04E-16	0.0285768	0.0167504	0.08800063	0.7924659	15	0.57027956
ENSG00000166938	15	DIS3L	66585555	rs12911848	15	66817545	A	G	0.431412	-0.0112874	0.00821248	0.169313	-0.420548	0.0581032	4.56E-13	0.0268397	0.019877	0.1769226	0.4248535	6	0.65919056
ENSG00000075131	15	TIPIN	66628544	rs4483802	15	66679819	C	G	0.106362	-0.0003002	0.0148735	0.983897	1.53705	0.145539	4.52E-26	-0.0001953	0.00967667	0.9838969	0.9330135	8	0.99662399
ENSG00000189227	15	C15orf61	67813406	rs73427960	15	68051608	A	G	0.139165	-0.0114838	0.0104078	0.269862	-0.309402	0.0513398	1.67E-09	0.0371161	0.0341976	0.2777697	0.795657	14	0.75436188
ENSG00000270964	15	RP11-502I4.3	67833410	rs12898654	15	68128117	G	C	0.225646	0.00110567	0.00976724	0.909871	0.67218	0.114419	4.24E-09	0.0016449	0.0145334	0.9098872	0.6044201	16	0.98830215
ENSG00000260657	15	RP11-315D16.4	68560130	rs7175297	15	68576528	G	A	0.356859	0.00093724	0.00901586	0.917206	0.927263	0.0909193	2.01E-24	0.00101076	0.00972359	0.9172099	0.9986028	19	0.98830215
ENSG00000260469	15	RP11-8P11.3	74060555	rs60833441	15	74048768	G	A	0.487078	-0.0164112	0.00809015	0.042506	-0.453257	0.079252	1.07E-08	0.0362073	0.0189384	0.05589638	0.6989057	7	0.52780415
ENSG00000261801	15	LOXL1-AS1	74200424	rs145418511	15	74289598	G	C	0.0308151	-0.0414999	0.0199666	0.0376669	0.757192	0.116052	6.82E-11	-0.0548076	0.0276749	0.0476577	0.5179674	4	0.49945901
ENSG00000067221	15	STOML1	74275547	rs4886820	15	74267320	C	T	0.599404	0.0143351	0.0084941	0.0914766	-0.210144	0.0329153	1.72E-10	-0.0682156	0.0418087	0.1027615	0.6244573	11	0.59893029
ENSG00000178802	15	MPI	75182346	rs11072511	15	75159433	G	A	0.513917	0.00772064	0.0081037	0.340727	0.390384	0.0484067	7.34E-16	0.019777	0.0209026	0.3440717	0.2254609	20	0.80709253
ENSG00000140365	15	COMMD4	75628232	rs114064595	15	75628414	T	C	0.0437376	0.00063446	0.0187092	0.972947	-0.721368	0.10187	1.43E-12	-0.0008795	0.025936	0.9729479	0.3326916	3	0.99559654
ENSG00000140400	15	MAN2C1	75648133	rs4451914	15	75739824	T	C	0.286282	0.00284899	0.00969365	0.768833	0.319187	0.0396285	7.98E-16	0.00892577	0.03039	0.7689816	0.06400927	10	0.94219749
ENSG00000169371	15	SNUPN	75890424	rs1809714	15	75606340	G	A	0.237575	-0.0049956	0.00885535	0.572667	-0.483607	0.0637506	3.30E-14	0.0103298	0.0183616	0.5737247	0.05698275	18	0.89565787
ENSG00000169752	15	NRG4	76228310	rs4886747	15	76151081	A	G	0.802187	0.00937049	0.0103566	0.365579	0.885439	0.0786261	2.04E-29	0.0105829	0.0117343	0.3671216	0.7440825	18	0.81333811
ENSG00000140386	15	SCAPER	76640526	rs4886838	15	77158170	T	C	0.815109	0.00213068	0.0105407	0.839809	-0.351432	0.0529027	3.07E-11	-0.0060629	0.0300075	0.8398817	0.2287098	9	0.96417322
ENSG00000173517	15	PEAK1	77400471	rs11639197	15	77403228	A	G	0.375746	0.00479955	0.00855341	0.57471	0.302264	0.0422907	8.85E-13	0.0158787	0.0283849	0.5758848	0.1672124	20	0.89639273
ENSG00000259362	15	RP11-307C19.1	77817882	rs7176875	15	77832675	A	G	0.375746	-0.0114188	0.0082542	0.166545	0.605533	0.084485	7.65E-13	-0.0188574	0.0138829	0.1743614	0.04572466	11	0.65919056
ENSG00000169783	15	LINGO1	77905369	rs4886869	15	77799657	G	A	0.592445	-0.0163749	0.0081797	0.045296	0.289252	0.0481248	1.85E-09	-0.0566112	0.0298061	0.05752305	0.9299507	20	0.52780415
ENSG00000260776	15	RP11-114H24.2	78206559	rs62008593	15	78234461	A	G	0.484095	0.00414169	0.00814108	0.610935	1.06219	0.0794866	9.93E-41	0.0038992	0.00766998	0.6111929	0.2271874	20	0.91209617
ENSG00000183476	15	SH2D7	78370150	rs112339737	15	78389094	T	C	0.202783	0.0101772	0.00914317	0.265667	0.600509	0.103094	5.72E-09	0.0169476	0.0155012	0.2742577	0.6498027	10	0.75436188
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.576599	0.057357	8.93E-24	-0.0020883	0.0158573	0.8952277	0.1258262	19	0.9845666
ENSG00000169684	15	CHRNA5	78857862	rs12902493	15	78819275	G	C	0.370775	0.00342797	0.00834211	0.681128	0.931955	0.0786154	2.04E-32	0.00367826	0.00895657	0.6813094	0.9637591	20	0.93046593
ENSG00000261762	15	RP11-650L12.2	78881465	rs62010332	15	78918762	C	G	0.32505	-0.0004174	0.00845053	0.960602	0.632698	0.0929969	1.02E-11	-0.0006598	0.0133567	0.9606029	0.5368983	16	0.99132464
ENSG00000080644	15	CHRNA3	78885394	rs62010332	15	78918762	C	G	0.32505	-0.0004174	0.00845053	0.960602	0.71596	0.0709919	6.43E-24	-0.0005831	0.0118032	0.9606023	0.5753644	20	0.99132464
ENSG00000103811	15	CTSH	79213400	rs34593439	15	79234957	A	G	0.106362	0.0144972	0.0121578	0.233096	-0.621947	0.109813	1.48E-08	-0.0233094	0.0199765	0.2432752	0.2581981	4	0.73372296
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.819877	0.0737624	1.06E-28	-0.0054328	0.00990411	0.5833228	0.5754084	11	0.89791817
ENSG00000259642	15	C15orf37	80215113	rs4994246	15	80212149	A	C	0.297217	-0.005029	0.00912381	0.581503	-0.373774	0.0668585	2.26E-08	0.0134546	0.0245283	0.5833265	0.418436	8	0.89791817
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-0.916004	0.080589	6.15E-30	0.00061272	0.0113051	0.9567768	0.2768023	17	0.99132464
ENSG00000117899	15	MESDC2	81239667	rs59456054	15	81304938	C	T	0.138171	0.0109797	0.0148823	0.460653	0.485649	0.0802904	1.46E-09	0.0226083	0.0308713	0.4639601	0.5420127	4	0.85502448
ENSG00000188659	15	FAM154B	82555151	rs7403041	15	82580182	G	T	0.450298	-0.0029032	0.00805627	0.718573	0.336624	0.0487231	4.88E-12	-0.0086245	0.0239651	0.7189398	0.2141408	8	0.93605801
ENSG00000197978	15	GOLGA6L9	82722223	rs199949502	15	82885486	C	T	0.418489	-0.0083399	0.00810805	0.303672	-0.493318	0.0707438	3.10E-12	0.0169056	0.0166136	0.3088783	0.9864584	20	0.77648702
ENSG00000169609	15	C15orf40	83657193	rs1037403	15	83664191	G	C	0.481113	-0.0102745	0.00806234	0.202527	-0.771707	0.0765723	6.90E-24	0.013314	0.0105306	0.2061173	0.5502001	20	0.70128891
ENSG00000064726	15	BTBD1	83685174	rs7179867	15	83817323	G	A	0.909543	-0.006546	0.0157516	0.67772	-0.312613	0.0565861	3.30E-08	0.0209396	0.0505293	0.6785768	0.7187617	6	0.93020759
ENSG00000225151	15	AC103965.1	84867600	rs61148413	15	84828326	A	T	0.483101	0.0102954	0.00806131	0.201552	0.676605	0.0949511	1.03E-12	0.0152163	0.0121042	0.2087151	0.5886033	20	0.70128891
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.891321	0.1074	1.05E-16	0.00806096	0.0116444	0.4887727	0.2471536	20	0.86374405
ENSG00000235370	15	DNM1P51	84953014	rs8035359	15	84958278	G	A	0.767396	-0.0076301	0.00977033	0.434832	-0.473587	0.077885	1.20E-09	0.0161114	0.0207999	0.4385833	0.4456806	5	0.85502448
ENSG00000230373	15	GOLGA6L5	85051116	rs2879974	15	85112461	A	C	0.764414	-0.0065364	0.00962903	0.497251	-0.587314	0.0802602	2.52E-13	0.0111293	0.0164654	0.499092	0.9386255	15	0.86807538
ENSG00000176700	15	SCAND2P	85174682	rs72630464	15	85298126	A	G	0.140159	0.00266709	0.0110756	0.809705	0.537448	0.0657919	3.11E-16	0.00496251	0.0206167	0.8097852	0.4379771	20	0.95474942
ENSG00000259295	15	CSPG4P12	85734669	rs11074002	15	85729182	A	C	0.5666	-0.0021646	0.00815149	0.790591	-0.79239	0.0874007	1.23E-19	0.00273171	0.0102916	0.790678	0.7581403	20	0.94736216
ENSG00000229212	15	RP11-561C5.4	85747141	rs28416825	15	85731471	C	T	0.532803	-0.0024528	0.0081231	0.762686	-0.668393	0.0866099	1.19E-14	0.00366971	0.0121625	0.7628624	0.6939051	20	0.94139208
ENSG00000188388	15	GOLGA6L3	85783703	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.845071	0.113408	9.22E-14	0.00850213	0.0122919	0.4891358	0.1263586	16	0.86390335
ENSG00000259407	15	RP11-158M2.3	86287340	rs56388190	15	86314896	G	C	0.199801	0.00322589	0.0100609	0.748485	-0.532069	0.0959548	2.94E-08	-0.0060629	0.0189406	0.7488913	0.7565929	14	0.93722458
ENSG00000259416	15	RP11-158M2.5	86298172	rs56153788	15	86170992	A	G	0.196819	0.00330427	0.010202	0.746026	-0.661988	0.0947414	2.80E-12	-0.0049914	0.0154277	0.7462885	0.8141838	20	0.93687539
ENSG00000157823	15	AP3S2	90373831	rs12440156	15	90420673	A	G	0.738569	0.0128797	0.00928792	0.16553	-0.568019	0.0686209	1.26E-16	-0.0226748	0.0165793	0.1714196	0.6931708	9	0.65919056
ENSG00000259685	15	CTD-2315E11.1	90645881	rs11073901	15	90649373	C	G	0.264414	-0.0099419	0.00879835	0.258485	-0.380361	0.0652619	5.60E-09	0.0261382	0.0235623	0.2672919	0.4952091	4	0.75271127
ENSG00000213471	15	TTLL13	90792762	rs7171194	15	90784250	C	T	0.701789	-0.0059426	0.0083114	0.474616	-0.495457	0.0825864	1.98E-09	0.0119941	0.0168939	0.4777253	0.5750877	8	0.85676979
ENSG00000140575	15	IQGAP1	90931450	rs16944424	15	90983465	G	A	0.17495	-0.0124461	0.0101313	0.219267	0.416372	0.0477909	2.98E-18	-0.0298918	0.024573	0.2238148	0.04195613	20	0.71746678
ENSG00000166965	15	RCCD1	91498100	rs3826033	15	91548601	A	G	0.138171	0.00349931	0.0112857	0.756511	1.08884	0.0999367	1.21E-27	0.0032138	0.0103691	0.7566063	0.3474644	19	0.93884925
ENSG00000260337	15	RP11-386M24.6	93138790	rs12592167	15	93109065	T	C	0.140159	0.00841267	0.0111222	0.449416	0.487041	0.0892727	4.88E-08	0.017273	0.0230547	0.4537252	0.484309	8	0.85502448
ENSG00000258741	15	RP11-386M24.4	93258989	rs6496983	15	93273375	C	T	0.431412	0.0110135	0.00823009	0.180833	-0.688813	0.107437	1.44E-10	-0.0159891	0.0122057	0.1902065	0.5444792	18	0.68016636
ENSG00000260361	15	CTD-2313J17.5	93322987	rs8031203	15	93314745	T	G	0.400596	0.0038084	0.00825607	0.644595	0.473752	0.0868209	4.85E-08	0.00803881	0.0174891	0.6457708	0.9460282	7	0.92320922
ENSG00000183571	15	PGPEP1L	99511459	rs8033416	15	99561153	A	G	0.191849	0.0116999	0.0107224	0.275202	-0.570788	0.0974799	4.76E-09	-0.0204978	0.0191086	0.2834067	0.8611872	15	0.75886819
ENSG00000103852	15	TTC23	99676528	rs8043311	15	99789742	C	G	0.472167	0.00229495	0.00813387	0.777831	-0.368518	0.0463612	1.88E-15	-0.0062275	0.0220857	0.7779667	0.153397	15	0.9451639
ENSG00000183060	15	LYSMD4	100255902	rs35747287	15	100273607	C	G	0.682903	-0.0006434	0.00862168	0.940509	-0.826745	0.0599101	2.56E-43	0.00077828	0.0104286	0.9405095	0.3989945	20	0.99132464
ENSG00000182397	15	DNM1P46	100330361	rs28739469	15	100311843	G	T	0.303181	0.00192806	0.00885661	0.827665	-0.823592	0.0917036	2.68E-19	-0.002341	0.0107568	0.8277148	0.6633666	20	0.9610115
ENSG00000259363	15	CTD-2054N24.2	100347228	rs1963944	15	100342212	C	T	0.531809	0.00740861	0.00816853	0.364423	-0.89701	0.0885881	4.25E-24	-0.0082592	0.00914286	0.3663385	0.9984982	20	0.81333811
ENSG00000154227	15	CERS3	100940600	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.5554	0.0895856	5.66E-10	0.00598282	0.0146668	0.6833353	0.2300743	8	0.93046593
ENSG00000270127	15	RP11-526I2.5	101087972	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.962883	0.067103	1.08E-46	0.00345095	0.00844504	0.6828068	0.208408	20	0.93046593
ENSG00000259205	15	PRKXP1	101093734	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.877708	0.0729819	2.58E-33	0.00378584	0.00926616	0.6828583	0.1188082	20	0.93046593
ENSG00000259658	15	RP11-89K11.1	102277302	rs62026997	15	102312835	T	C	0.2167	0.0067978	0.0101118	0.501415	0.680755	0.0826389	1.76E-16	0.00998568	0.0149032	0.5028345	0.04715798	20	0.87041275
ENSG00000185596	15	WASH3P	102501356	rs4965940	15	102424165	A	C	0.581511	0.0159455	0.00819985	0.0518215	-0.514297	0.087799	4.69E-09	-0.0310045	0.0167994	0.06495504	0.9562568	9	0.53758036
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-1.01584	0.0858014	2.44E-32	0.00487868	0.0104044	0.6391367	0.5459438	15	0.92142979
ENSG00000226942	16	IL9RP3	79336	rs28652789	16	83807	C	G	0.237575	-0.0047461	0.0105524	0.652879	-0.589875	0.0943652	4.08E-10	0.00804594	0.0179355	0.6537164	0.9224453	4	0.92458065
ENSG00000161981	16	SNRNP25	103010	rs77046488	16	99353	G	A	0.218688	-0.0036092	0.0107138	0.736212	-0.358096	0.0452701	2.57E-15	0.0100789	0.0299459	0.7364419	0.7189698	13	0.93605801
ENSG00000103148	16	NPRL3	134273	rs2562191	16	178543	A	G	0.382704	0.00270923	0.00818324	0.740592	-0.513907	0.0466559	3.24E-28	-0.0052718	0.0159308	0.7407041	0.5175239	16	0.93605801
ENSG00000268836	16	LA16c-OS12.2	235747	rs4141288	16	285313	T	C	0.466203	0.0146988	0.00810018	0.0695825	0.672452	0.0800614	4.50E-17	0.0218585	0.0123237	0.07611223	0.643248	20	0.54873624
ENSG00000076344	16	RGS11	318300	rs3743881	16	326040	T	A	0.472167	0.0119918	0.00808971	0.138247	-0.256118	0.0385442	3.04E-11	-0.0468214	0.0323623	0.1479562	0.4587667	3	0.64210759
ENSG00000086504	16	MRPL28	417384	rs3743884	16	420678	T	C	0.523857	0.0175874	0.00808809	0.0296688	-0.214533	0.0328411	6.47E-11	-0.0819799	0.0397348	0.03909565	0.1000809	18	0.46870353
ENSG00000129925	16	TMEM8A	420773	rs1984409	16	420723	G	T	0.524851	0.0172371	0.00809602	0.0332476	-0.262441	0.0409732	1.50E-10	-0.0656799	0.0325085	0.04334289	0.4196131	18	0.48818593
ENSG00000242612	16	DECR2	451826	rs3743890	16	456416	G	T	0.531809	-0.0119872	0.00811066	0.139419	-0.367471	0.0561527	5.98E-11	0.0326208	0.0226275	0.1494019	0.4454051	17	0.64246877
ENSG00000007541	16	PIGQ	616995	rs3743901	16	632699	G	C	0.431412	0.0215819	0.00804623	0.00731307	-0.234511	0.0316535	1.28E-13	-0.0920294	0.03649	0.01166763	0.08020099	13	0.32827856
ENSG00000127578	16	WFIKKN1	679239	rs34997977	16	677020	T	G	0.252485	0.0215342	0.00865034	0.0127956	0.793599	0.0659511	2.38E-33	0.0271349	0.011131	0.01477759	0.07995487	20	0.34868323
ENSG00000162004	16	CCDC78	772582	rs12599130	16	772842	C	T	0.475149	0.00588683	0.00824862	0.475428	-0.299172	0.0429059	3.11E-12	-0.0196771	0.0277155	0.4777256	0.7288427	3	0.85676979
ENSG00000103245	16	NARFL	779753	rs2071951	16	783004	C	T	0.240557	-0.0005454	0.00866336	0.949806	0.45691	0.0657198	3.59E-12	-0.0011936	0.0189615	0.949808	0.4577258	9	0.99132464
ENSG00000127586	16	CHTF18	838046	rs61177194	16	828319	C	T	0.193837	-0.0202169	0.0104993	0.0541614	-0.249167	0.0456654	4.86E-08	0.081138	0.0446845	0.0694016	0.9035289	12	0.53758036
ENSG00000103227	16	LMF1	903634	rs4984618	16	1007304	G	A	0.375746	-0.0019199	0.00853546	0.822032	0.357774	0.0470867	3.00E-14	-0.0053662	0.0238676	0.8221086	0.7430317	20	0.95876638
ENSG00000260807	16	RP11-161M6.2	1025761	rs3809674	16	1030002	A	G	0.183897	-0.0196593	0.0127001	0.121631	-0.342055	0.0427601	1.25E-15	0.0574741	0.0378176	0.1285686	0.1817691	20	0.61757097
ENSG00000197253	16	TPSB2	1277272	rs9927989	16	1297145	C	A	0.736581	0.00599158	0.00978719	0.540415	-0.95023	0.099598	1.42E-21	-0.0063054	0.010321	0.5412462	0.6953447	20	0.87983781
ENSG00000095917	16	TPSD1	1306060	rs4984779	16	1297810	G	A	0.524851	0.00173392	0.00841884	0.836825	0.599358	0.081243	1.61E-13	0.00289296	0.0140519	0.8368871	0.6450247	14	0.96327684
ENSG00000197599	16	CCDC154	1484384	rs4984836	16	1481797	G	A	0.905567	-0.0211911	0.0175796	0.228035	-0.900335	0.0825989	1.15E-27	0.0235369	0.0196447	0.2308654	0.1671199	20	0.72599673
ENSG00000100726	16	TELO2	1543345	rs2745107	16	1542406	C	T	0.38668	0.00974579	0.00809582	0.228665	-0.266133	0.0386515	5.76E-12	-0.03662	0.0308816	0.235694	0.2686326	4	0.73054202
ENSG00000206053	16	HN1L	1728257	rs113571946	16	1728147	G	A	0.209742	0.0094894	0.0119051	0.425401	0.444177	0.0654316	1.13E-11	0.021364	0.0269867	0.4285657	0.9705959	4	0.85416275
ENSG00000197774	16	EME2	1823208	rs12445517	16	1843331	A	G	0.584493	0.00479586	0.00806761	0.552205	-0.439046	0.0436142	7.76E-24	-0.0109234	0.0184073	0.5528969	0.7264299	20	0.88603478
ENSG00000095906	16	NUBP2	1832902	rs2575342	16	1851068	C	G	0.59841	0.00437156	0.0080607	0.587591	0.202975	0.0328562	6.51E-10	0.0215374	0.0398655	0.5890231	0.5200286	20	0.90002854
ENSG00000063854	16	HAGH	1845621	rs113041534	16	1856368	C	G	0.132207	-0.0141931	0.0112134	0.205609	0.662874	0.0581715	4.42E-30	-0.0214115	0.0170204	0.2083953	0.5529061	20	0.70128891
ENSG00000180185	16	FAHD1	1876968	rs62038428	16	1892549	G	A	0.180915	-0.000731	0.00930303	0.937372	1.08047	0.0750288	5.12E-47	-0.0006765	0.0086103	0.937373	0.3555438	20	0.99132464
ENSG00000162039	16	MEIOB	1883984	rs2974855	16	1919530	A	G	0.826044	0.00016386	0.0092989	0.985941	0.657891	0.104183	2.71E-10	0.00024907	0.0141345	0.985941	0.9701504	10	0.99662399
ENSG00000255513	16	AC005363.9	2013746	rs72764893	16	2013756	C	T	0.130219	-0.0005729	0.0118637	0.961482	0.846434	0.100022	2.62E-17	-0.0006769	0.0140163	0.9614828	0.6790394	13	0.99132464
ENSG00000255198	16	SNHG9	2014960	rs2302177	16	2014979	T	G	0.549702	-0.0014375	0.00806743	0.858578	0.284984	0.0425208	2.05E-11	-0.0050441	0.0283184	0.8586266	0.5000299	5	0.97368441
ENSG00000127554	16	GFER	2034208	rs72766631	16	2051428	A	G	0.242545	0.00054098	0.00904631	0.952314	0.396074	0.058452	1.23E-11	0.00136585	0.0228408	0.9523159	0.6976268	14	0.99132464
ENSG00000259933	16	RP11-304L19.1	2141437	rs1051771	16	2138584	C	G	0.101392	0.0167756	0.0116909	0.151309	0.844518	0.14024	1.72E-09	0.0198641	0.0142309	0.1627603	0.9201234	5	0.65178939
ENSG00000167965	16	MLST8	2254249	rs26862	16	2257105	G	C	0.489066	-0.0019866	0.00812148	0.806762	0.358866	0.042777	4.89E-17	-0.0055357	0.0226406	0.8068422	0.06545198	20	0.95321223
ENSG00000182685	16	BRICD5	2259254	rs26852	16	2261657	G	A	0.522863	-0.0047361	0.00838149	0.572025	-0.202166	0.0369391	4.43E-08	0.023427	0.0416788	0.5740592	0.9262283	5	0.89565787
ENSG00000205937	16	RNPS1	2303117	rs9796949	16	2304338	A	G	0.395626	-0.0115355	0.00827371	0.163248	-0.267848	0.048657	3.70E-08	0.0430673	0.0318649	0.1765164	0.7222104	3	0.65919056
ENSG00000260778	16	MIR940	2318156	rs12599229	16	2323394	A	G	0.400596	-0.0113421	0.0082307	0.168197	0.520356	0.0530366	1.01E-22	-0.0217968	0.0159727	0.1723696	0.4683742	11	0.65919056
ENSG00000261613	16	RP11-20I23.13	2604061	rs12185166	16	2713728	T	C	0.261431	0.00710752	0.0091735	0.438465	1.17034	0.110182	2.36E-26	0.00607304	0.00785915	0.4396791	0.3317188	12	0.85502448
ENSG00000260176	16	CTD-3126B10.4	2694085	rs6501079	16	2714572	G	C	0.399602	0.0076686	0.0084665	0.365064	-0.663881	0.0814879	3.73E-16	-0.0115512	0.0128316	0.3680076	0.3160906	7	0.8138073
ENSG00000260565	16	ERVK13-1	2710350	rs4283228	16	2716435	G	A	0.403579	0.00771816	0.00846892	0.36211	-0.791375	0.0623061	5.81E-37	-0.0097529	0.010729	0.3633426	0.4920267	13	0.81243949
ENSG00000172460	16	PRSS30P	2889569	rs12709126	16	2919229	T	G	0.249503	0.00670581	0.00910872	0.461612	0.610631	0.104675	5.42E-09	0.0109818	0.0150352	0.4651436	0.4147142	10	0.85502448
ENSG00000263280	16	LA16c-325D7.2	2916349	rs886287	16	2916791	C	G	0.409543	0.00287241	0.00858827	0.738035	0.605764	0.0842672	6.55E-13	0.0047418	0.0141929	0.7383072	0.6461732	8	0.93605801
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.797417	0.0548247	6.30E-48	0.0102967	0.0102991	0.3174216	0.4310552	20	0.78557346
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2524316	16	3054011	G	C	0.612326	-0.0097591	0.00819861	0.233914	0.839729	0.0675307	1.69E-35	-0.0116217	0.00980803	0.2360489	0.7947454	20	0.73054202
ENSG00000213937	16	CLDN9	3062457	rs2717674	16	3055460	C	G	0.597416	-0.010899	0.00819186	0.183364	0.565226	0.0563081	1.04E-23	-0.0192826	0.0146198	0.1871917	0.6532373	20	0.67709912
ENSG00000008517	16	IL32	3115298	rs45499297	16	3115272	C	T	0.112326	0.00804293	0.0190773	0.673319	-0.578262	0.085074	1.07E-11	-0.0139088	0.0330542	0.6739097	0.9849426	5	0.93020759
ENSG00000263072	16	RP11-473M20.14	3166043	rs11649450	16	3181996	A	G	0.374751	0.0164587	0.00855509	0.0543726	0.664278	0.0605655	5.45E-28	0.0247768	0.0130754	0.05810318	0.4220811	20	0.52780415
ENSG00000006194	16	ZNF263	3313743	rs220379	16	3339435	C	G	0.263419	0.0101959	0.00894366	0.254279	0.306389	0.0527579	6.34E-09	0.0332776	0.0297476	0.2632833	0.1995512	6	0.75099662
ENSG00000167981	16	ZNF597	3486104	rs37832	16	3491909	C	G	0.210736	0.0167775	0.0102529	0.101763	0.481791	0.0771179	4.17E-10	0.0348232	0.0219987	0.1134289	0.2112233	7	0.60439303
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	0.803664	0.0868147	2.10E-20	0.0231069	0.0176032	0.189299	0.00034108	20	0.67951294
ENSG00000167984	16	NLRC3	3589033	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	-1.10827	0.119798	2.22E-20	-0.016756	0.0127652	0.1893049	0.00112635	20	0.67951294
ENSG00000126602	16	TRAP1	3701640	rs4786429	16	3728517	T	C	0.715706	0.00050418	0.00957198	0.957993	0.38295	0.0431799	7.40E-19	0.00131656	0.0249958	0.9579939	0.00798646	12	0.99132464
ENSG00000262246	16	CORO7	4404543	rs9932461	16	4454170	G	A	0.752485	0.00064042	0.00921356	0.944585	0.312935	0.0415007	4.68E-14	0.0020465	0.0294437	0.944587	0.309073	20	0.99132464
ENSG00000153406	16	NMRAL1	4511681	rs4785968	16	4535307	A	T	0.709742	0.00087514	0.0092471	0.924601	-0.353629	0.0430464	2.12E-16	-0.0024747	0.0261509	0.9246062	0.09404687	10	0.99060699
ENSG00000102858	16	MGRN1	4666494	rs1045519	16	4740444	T	C	0.534791	0.00276971	0.00811179	0.732771	0.661215	0.048553	3.11E-42	0.00418882	0.0122719	0.7328512	0.0779514	20	0.93605801

ENSG00000103199	16	ZNF500	4798240	rs62036067	16	4809734	G	T	0.609344	0.0128784	0.00830111	0.120803	-0.478024	0.0597986	1.31E-15	-0.0269409	0.0176895	0.127761	0.08616226	20	0.61757097
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.789372	0.0809963	1.92E-22	0.00501428	0.0103222	0.6271248	0.02666824	20	0.9159437
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	1.02654	0.100497	1.71E-24	-0.0202462	0.0101002	0.04501412	0.04092971	20	0.49468642
ENSG00000067836	16	ROGDI	4846969	rs3827528	16	4853092	C	T	0.417495	0.00114422	0.0082951	0.890288	-0.316491	0.04359	3.85E-13	-0.0036153	0.0262143	0.8903081	0.02596274	20	0.98250528
ENSG00000103174	16	NAGPA	5074845	rs2937110	16	5079417	T	C	0.332008	-0.0186974	0.00864997	0.0306521	0.202621	0.0353709	1.01E-08	-0.0922777	0.0456285	0.04313801	0.4211269	12	0.48818593
ENSG00000263033	16	RP11-396B14.2	11290034	rs12928062	16	11307158	G	C	0.362823	-0.0032721	0.00819428	0.689657	-0.530463	0.0802706	3.88E-11	0.00616846	0.0154756	0.6901931	0.2667893	5	0.93193736
ENSG00000175643	16	RMI2	11343476	rs12149160	16	11439303	T	G	0.519881	-0.0031603	0.00813255	0.697572	-0.591834	0.0562903	7.45E-26	0.00533986	0.0137507	0.6977682	0.6321437	20	0.93344952
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.23252	0.0742901	8.14E-62	0.00447132	0.00655576	0.4952107	0.06382533	20	0.86554515
ENSG00000048462	16	TNFRSF17	12058964	rs11570139	16	12059038	T	C	0.27833	-0.0011244	0.00975972	0.908279	-0.6422	0.106943	1.91E-09	0.00175089	0.0152001	0.9082953	0.1774909	9	0.98830215
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.60962	0.0660615	2.76E-20	0.0294625	0.0138085	0.03287178	0.7670971	20	0.44271993
ENSG00000261819	16	RP11-680G24.4	15082116	rs115428654	16	15227624	C	T	0.0487078	0.0026663	0.0143596	0.852696	-1.08535	0.191373	1.42E-08	-0.0024566	0.0132375	0.8527732	0.3368758	13	0.97122245
ENSG00000188599	16	NPIPP1	15198178	rs28360901	16	15189841	G	C	0.848907	-0.0336146	0.0122172	0.0059339	-0.462526	0.0569461	4.58E-16	0.0726761	0.0278885	0.00916189	0.0004859	17	0.29864866
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	0.830582	0.0839081	4.22E-23	-0.0216245	0.0100995	0.03226184	0.4622026	20	0.44271993
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.404718	0.04253	1.80E-21	-0.00382	0.0227227	0.8664948	0.3410515	20	0.9765182
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.798021	0.0666158	4.55E-33	0.0019373	0.0115232	0.8664872	0.2587405	20	0.9765182
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.83633	0.0776475	4.73E-27	-0.0190219	0.0130525	0.1450223	0.9662188	10	0.63685097
ENSG00000227827	16	RP11-958N24.2	16450081	rs62030357	16	16306192	T	G	0.201789	0.0128319	0.012515	0.305209	0.998933	0.110764	1.91E-19	0.0128456	0.0126091	0.3083175	0.7413438	15	0.77648702
ENSG00000103550	16	KNOP1	19714902	rs3829539	16	19722366	C	T	0.16004	0.0277758	0.011499	0.0157138	1.19859	0.0899845	1.77E-40	0.0231737	0.00975025	0.01746673	0.04123984	20	0.34868323
ENSG00000261195	16	CTD-2380F24.1	19772494	rs2047889	16	19777705	A	C	0.16004	0.0211608	0.0115078	0.0659417	-0.556273	0.0703922	2.73E-15	-0.0380403	0.02124	0.07329715	0.02956614	14	0.54762401
ENSG00000260306	16	RP11-645C24.5	21805416	rs4783352	16	21822469	G	A	0.199801	-0.0374486	0.00908361	3.75E-05	-0.709951	0.076314	1.37E-20	0.0527481	0.0139948	0.00016381	0.04863076	20	0.10369395
ENSG00000185864	16	NPIPB4	21845890	rs529751172	16	22641413	A	T	0.0208748	-0.0041501	0.0231905	0.857972	-1.26689	0.214716	3.63E-09	0.0032758	0.0183135	0.8580368	0.8723579	4	0.97368441
ENSG00000260136	16	CTD-2270L9.4	23464079	rs250583	16	23403510	A	G	0.195825	-0.0165709	0.00908231	0.0680722	0.603226	0.0939385	1.35E-10	-0.0274705	0.0156522	0.07924939	0.4824615	11	0.55958335
ENSG00000103356	16	EARS2	23533335	rs9924663	16	23564198	C	T	0.849901	0.0100712	0.0098025	0.304229	0.47051	0.0468136	9.12E-24	0.0214049	0.0209423	0.3067406	0.1559649	20	0.77648702
ENSG00000262587	16	RP11-266L9.4	25043202	rs7404350	16	25044449	C	T	0.667992	-0.0033685	0.00934546	0.718517	0.602502	0.0937023	1.28E-10	-0.0055909	0.0155354	0.7189388	0.470885	7	0.93605801
ENSG00000262700	16	RP11-266L9.3	25104708	rs7498466	16	25091410	A	G	0.592445	0.00340005	0.00825807	0.680542	0.580892	0.0813103	9.06E-13	0.00585315	0.0142398	0.6810414	0.5246546	9	0.93046593
ENSG00000103522	16	IL21R	27413483	rs1024426	16	27598106	T	C	0.842942	-0.037782	0.0122808	0.00209435	0.677877	0.0928661	2.89E-13	-0.0557358	0.0196599	0.00458258	0.1761552	13	0.24582839
ENSG00000259954	16	IL21R-AS1	27458990	rs232073	16	27513859	G	A	0.161034	0.0326037	0.0118934	0.00611913	-0.971735	0.0717593	8.88E-42	-0.033552	0.0124876	0.00721346	0.1337682	20	0.28185939
ENSG00000233232	16	NPIPB7	28467693	rs240704	16	28529949	C	T	0.354871	-0.0076439	0.00805909	0.342885	-0.542056	0.0769634	1.88E-12	0.0141017	0.0150018	0.3472201	0.6980747	20	0.80796148
ENSG00000197165	16	SULT1A2	28603264	rs56305122	16	28619180	T	C	0.337972	-0.0076813	0.00816748	0.346973	0.712568	0.084456	3.25E-17	-0.0107798	0.011533	0.3499489	0.7515241	20	0.8105058
ENSG00000196502	16	SULT1A1	28616903	rs56305122	16	28619180	T	C	0.337972	-0.0076813	0.00816748	0.346973	-0.4664	0.0796447	4.74E-09	0.0164694	0.0177361	0.3531076	0.679819	12	0.81071725
ENSG00000184110	16	EIF3C	28699879	rs3922668	16	28992646	A	G	0.410537	0.0146103	0.0081305	0.0723386	-0.407476	0.0717577	1.36E-08	-0.0358556	0.0209286	0.08666893	0.6579763	20	0.57027956
ENSG00000270424	16	RP11-1348G14.6	28761280	rs62036616	16	28826307	G	A	0.33002	-0.0108988	0.00818189	0.182839	0.577795	0.100037	7.66E-09	-0.0188627	0.0145323	0.1942903	0.9715317	16	0.68630446
ENSG00000196993	16	NPIPB9	28763108	rs34954534	16	28618018	T	C	0.332008	-0.0079188	0.00817299	0.332596	-0.604849	0.105127	8.74E-09	0.0130922	0.0137027	0.339353	0.9400485	18	0.80225446
ENSG00000251417	16	RP11-1348G14.4	28814097	rs3859172	16	28566158	T	G	0.351889	-0.0070994	0.00805776	0.378283	-0.548717	0.082854	3.53E-11	0.0129382	0.0148141	0.3824621	0.7348409	20	0.82180041
ENSG00000178952	16	TUFM	28853732	rs2411440	16	28653523	T	C	0.347913	-0.0108503	0.00807405	0.178999	0.28544	0.0382132	8.04E-14	-0.0380125	0.0287405	0.1859636	0.9582294	20	0.67574603
ENSG00000260953	16	RP11-426C22.6	29273594	rs56234416	16	29297454	C	T	0.378728	0.00462533	0.00834378	0.579343	-0.654618	0.0570115	1.62E-30	-0.0070657	0.0127609	0.5797843	0.5844386	20	0.89680723
ENSG00000254634	16	RP11-231C14.3	29437121	rs4788408	16	30340674	G	A	0.431412	-0.0108318	0.00826638	0.19008	-0.426106	0.0756824	1.80E-08	0.0254204	0.0199183	0.2018723	0.1180199	8	0.69575497
ENSG00000183336	16	BOLA2	29464914	rs77948921	16	30339753	A	G	0.431412	-0.010971	0.00826203	0.184215	-0.500925	0.0693299	5.00E-13	0.0219015	0.0167698	0.1915495	0.05986906	9	0.6823907
ENSG00000103485	16	QPRT	29674600	rs9933310	16	29690904	G	A	0.39165	0.0138543	0.00815579	0.0893738	-0.253642	0.0412278	7.64E-10	-0.0546215	0.0333579	0.1015395	0.3389915	4	0.59734669
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.591678	0.07895	6.66E-14	0.017594	0.0151872	0.2466701	0.3717451	11	0.73721517
ENSG00000149922	16	TBX6	30097114	rs3809627	16	30103160	A	C	0.416501	0.0231229	0.00805391	0.00409157	-0.376942	0.0597679	2.85E-10	-0.0613434	0.0234762	0.00897503	0.4300781	8	0.29864866
ENSG00000090238	16	YPEL3	30103635	rs7191849	16	30023157	C	T	0.468191	-0.0241314	0.00822416	0.00334395	0.231467	0.0376616	7.95E-10	-0.104254	0.0393722	0.00809895	0.5950853	7	0.28801336
ENSG00000183604	16	RP11-347C12.2	30234230	rs77948921	16	30339753	A	G	0.431412	-0.010971	0.00826203	0.184215	0.429133	0.0762899	1.85E-08	-0.0255655	0.019782	0.1962325	0.03651045	9	0.69008429
ENSG00000180096	16	1-Sep	30389454	rs62055459	16	30398408	C	T	0.672962	0.00069825	0.00864899	0.935655	0.441393	0.0553395	1.51E-15	0.00158192	0.0195958	0.9356587	0.03380503	17	0.99132464
ENSG00000196118	16	C16orf93	30768744	rs3747486	16	30786927	T	C	0.277336	-0.0103679	0.00931918	0.265908	-0.534514	0.0573321	1.13E-20	0.0193969	0.0175586	0.2692913	0.3656932	20	0.75436188
ENSG00000103549	16	RNF40	30773066	rs7200879	16	30947572	G	A	0.250497	-0.012294	0.00906484	0.175028	0.286385	0.0486756	4.02E-09	-0.0429282	0.0324827	0.1863107	0.9366023	9	0.67608456
ENSG00000103496	16	STX4	31044210	rs7203999	16	31017554	C	T	0.631213	0.0032631	0.00824151	0.692153	0.312239	0.0439317	1.18E-12	0.0104506	0.0264358	0.6926054	0.7670736	9	0.93344952
ENSG00000103510	16	KAT8	31127075	rs1060506	16	31133449	T	C	0.296223	-0.0088312	0.0085881	0.303804	0.344752	0.0500468	5.63E-12	-0.0256162	0.025187	0.3091345	0.8629589	11	0.77648702
ENSG00000178226	16	PRSS36	31150246	rs78924645	16	31154358	A	G	0.289264	-0.0101636	0.00861088	0.237871	0.700668	0.0681467	8.52E-25	-0.0145056	0.0123702	0.2409485	0.7306838	12	0.73372296
ENSG00000260304	16	RP11-388M20.6	31193832	rs8057320	16	31269551	T	C	0.687873	-0.0045442	0.00832067	0.584971	0.418175	0.0702658	2.66E-09	-0.0108668	0.0199812	0.5865423	0.3706942	7	0.89858823
ENSG00000177238	16	TRIM72	31225342	rs7186832	16	31230463	T	C	0.683897	-0.005332	0.00828843	0.520028	0.398054	0.0508305	4.84E-15	-0.0133951	0.0208925	0.5214305	0.1633513	12	0.87042591
ENSG00000169900	16	PYDC1	31227283	rs4496161	16	31223876	A	G	0.548708	0.00103431	0.00806992	0.898016	-0.297076	0.0478297	5.26E-10	-0.0034816	0.0271703	0.8980372	0.2356577	9	0.9845666
ENSG00000155393	16	HEATR3	50099852	rs2287197	16	50106594	C	T	0.709742	0.00101991	0.00953666	0.914832	0.646143	0.0553569	1.77E-31	0.00157846	0.01476	0.9148352	0.02160887	20	0.98830215
ENSG00000103479	16	RBL2	53467889	rs8045674	16	53509936	A	G	0.466203	0.00087712	0.00840428	0.916879	-0.339498	0.0381019	5.09E-19	-0.0025836	0.0247567	0.9168843	0.4924907	12	0.98830215
ENSG00000166971	16	AKTIP	53524952	rs4002164	16	53525633	C	A	0.166998	0.0226174	0.0133605	0.0904836	-0.296757	0.0483535	8.40E-10	-0.0762152	0.046703	0.1026979	0.07286792	8	0.59893029
ENSG00000245694	16	CRNDE	54952775	rs77757893	16	54956932	C	T	0.175944	0.00846319	0.00963317	0.379647	0.743878	0.0966275	1.38E-14	0.0113771	0.013034	0.3827279	0.8051605	17	0.82180041
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	0.898905	0.109492	2.22E-16	-0.009224	0.0122644	0.4519969	0.5164458	5	0.85502448
ENSG00000088682	16	COQ9	57481337	rs494532	16	57526124	C	T	0.751491	-0.0147849	0.00888996	0.096292	-0.260778	0.0472812	3.48E-08	0.0566953	0.0356062	0.11132	0.5569111	4	0.60330103
ENSG00000260186	16	RP11-481J2.2	58455230	rs4784938	16	58467853	A	G	0.746521	-0.0147631	0.00918996	0.108178	0.390639	0.045065	4.38E-18	-0.0377922	0.023926	0.1142116	0.4293995	13	0.60439303
ENSG00000103037	16	SETD6	58549383	rs42945	16	58545426	G	A	0.557654	0.00972145	0.00816246	0.233655	-0.406071	0.0497186	3.15E-16	-0.0239403	0.0203137	0.2385851	0.3903849	9	0.733128
ENSG00000261502	16	RP11-96H17.1	63090690	rs197172	16	63092217	T	G	0.176938	0.00374573	0.0103633	0.717768	-0.600381	0.0797031	4.97E-14	-0.0062389	0.0172811	0.7180797	0.8539753	20	0.93605801
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.632495	0.0753175	4.55E-17	-0.023111	0.0135609	0.08833761	0.2672861	11	0.57027956
ENSG00000132600	16	PRMT7	68344877	rs4783557	16	68403945	C	T	0.496024	0.00271632	0.00807753	0.736658	-0.324478	0.0416777	6.95E-15	-0.0083714	0.0249171	0.7368952	0.1480627	20	0.93605801
ENSG00000141076	16	CIRH1A	69165194	rs79141311	16	69417047	T	C	0.0308151	0.0475852	0.0245356	0.0524493	-0.987472	0.102082	3.91E-22	-0.0481889	0.0253414	0.05722452	0.366253	20	0.52780415
ENSG00000132612	16	VPS4A	69345259	rs9302599	16	69216800	T	C	0.230616	0.0085458	0.00944472	0.365559	0.376088	0.0495897	3.35E-14	0.0227229	0.0252912	0.368945	0.168713	11	0.8138073
ENSG00000181019	16	NQO1	69740899	rs2102066	16	69967093	A	G	0.753479	-0.0155106	0.00992286	0.118026	-0.333218	0.0585431	1.26E-08	0.0465479	0.0308814	0.1317309	0.4216947	10	0.61757097
ENSG00000157322	16	CLEC18A	69984810	rs4985489	16	70114867	C	G	0.407555	-0.0048299	0.00807661	0.549833	-0.94348	0.0809492	2.16E-31	0.00511924	0.00857171	0.550357	0.01822107	20	0.88397535
ENSG00000226232	16	RP11-419C5.2	70010291	rs1972657	16	70100429	G	A	0.385686	-0.0008595	0.00845735	0.919055	-0.808928	0.0662816	2.94E-34	0.00106248	0.0104554	0.9190577	0.1156664	20	0.98862402
ENSG00000255185	16	PDXDC2P	70044654	rs62052490	16	70117111	G	A	0.402584	-0.003008	0.0080724	0.709423	-0.441893	0.0489107	1.64E-19	0.00680715	0.0182833	0.7096584	0.01697983	20	0.93547223
ENSG00000261556	16	RP11-296I10.6	70253477	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.460793	0.0478073	5.50E-22	0.0524468	0.0186873	0.00500758	0.1175283	20	0.25561277
ENSG00000223496	16	EXOSC6	70284134	rs775208	16	70315911	C	T	0.544732	-0.0260148	0.0083174	0.00176145	-0.594237	0.0460515	4.29E-38	0.0437785	0.0144021	0.00236788	0.00908455	20	0.21412382
ENSG00000157429	16	ZNF19	71498453	rs8050871	16	71509796	G	C	0.673956	0.0179129	0.00872875	0.0401532	0.422295	0.0702455	1.84E-09	0.042418	0.0218409	0.05212104	0.04627112	3	0.52157942
ENSG00000102967	16	DHODH	72042487	rs3213422	16	72042682	C	A	0.49006	-0.0052152	0.00807601	0.518435	-0.509313	0.0723153	1.88E-12	0.0102396	0.0159232	0.5201838	0.00499099	9	0.87041275
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	1.12049	0.0810193	1.68E-43	0.00786888	0.00913482	0.389009	0.01026129	20	0.82705257
ENSG00000168411	16	RFWD3	74655292	rs62054167	16	74565232	C	T	0.189861	-0.004403	0.0112695	0.696016	0.543248	0.0825536	4.69E-11	-0.008105	0.0207812	0.6965251	0.3348613	10	0.93344952
ENSG00000184517	16	ZFP1	75182390	rs7205215	16	75205141	C	T	0.0228628	0.0566994	0.0290048	0.0506034	-0.893475	0.118749	5.31E-14	-0.0634594	0.0335407	0.05848905	0.3956095	8	0.52780415
ENSG00000261783	16	RP11-252K23.2	75413716	rs2738814	16	75516282	A	C	0.648111	-0.0174962	0.00837417	0.0366809	-0.700312	0.10528	2.89E-11	0.0249834	0.0125337	0.04622908	0.2364305	20	0.49940966
ENSG00000065457	16	ADAT1	75630879	rs59297469	16	75680507	G	T	0.32505	0.00471505	0.00847495	0.577971	0.419665	0.0537882	6.08E-15	0.0112353	0.0202458	0.5789341	0.09043641	20	0.89657238
ENSG00000103111	16	MON1B	77224732	rs4451967	16	77276265	A	G	0.685885	-0.0008541	0.00909317	0.925164	0.243251	0.044327	4.07E-08	-0.0035113	0.0373873	0.9251748	0.7540329	8	0.99060699
ENSG00000205078	16	SYCE1L	77233294	rs8398	16	77233338	T	C	0.260437	-0.0136137	0.00898869	0.129889	0.86091	0.079135	1.45E-27	-0.0158132	0.0105416	0.1335963	0.2328196	20	0.61757097
ENSG00000140873	16	ADAMTS18	77281710	rs2562115	16	77394592	G	A	0.592445	0.00175468	0.00805877	0.827636	-1.04021	0.0826722	2.64E-36	-0.0016869	0.00774841	0.8276606	0.5983657	20	0.9610115
ENSG00000261707	16	RP11-264M12.2	77775365	rs1133108	16	77775917	G	A	0.510934	-0.0008633	0.00806103	0.914713	-0.602988	0.0905184	2.71E-11	0.0014317	0.0133702	0.9147242	0.4414845	9	0.98830215
ENSG00000171724	16	VAT1L	77822427	rs7196977	16	77888220	T	G	0.363817	0.0019069	0.00884091	0.829229	-0.187718	0.028781	6.92E-11	-0.0101583	0.0471225	0.8293209	0.09873114	3	0.96129846
ENSG00000166509	16	CLEC3A	78056412	rs2464765	16	78033180	C	T	0.247515	0.0176051	0.0106996	0.0998872	-0.527487	0.066033	1.37E-15	-0.0333754	0.0207099	0.1070564	0.3169238	20	0.59966108
ENSG00000186153	16	WWOX	78133310	rs8052588	16	78100057	T	C	0.33996	-0.0294278	0.00808468	0.0002727	-0.312863	0.0488219	1.47E-10	0.0940597	0.0297186	0.00155078	0.1380236	20	0.19685577
ENSG00000261390	16	RP11-345M22.2	79750622	rs7196490	16	79752469	C	T	0.414513	0.0139839	0.00844975	0.0979332	-0.709652	0.074152	1.07E-21	-0.0197053	0.0120836	0.1029441	0.52812	19	0.59893029
ENSG00000260213	16	RP11-303E16.3	81050397	rs2549883	16	81055878	A	G	0.766402	0.00336979	0.008668	0.697451	0.560144	0.0663252	3.03E-17	0.00601594	0.015491	0.6977564	0.5020499	20	0.93344952
ENSG00000166454	16	ATMIN	81069452	rs2970077	16	81074800	G	A	0.906561	-0.0078565	0.0116915	0.501594	0.516477	0.073936	2.84E-12	-0.0152117	0.0227415	0.5035618	0.2737617	20	0.87041275
ENSG00000140905	16	GCSH	81115566	rs2549899	16	81088872	C	G	0.885686	0.00262636	0.0106473	0.805165	0.362842	0.0527778	6.20E-12	0.0072383	0.0293631	0.8052871	0.2957193	20	0.952997
ENSG00000197943	16	PLCG2	81772702	rs72832055	16	81869387	A	G	0.324056	0.00898797	0.00824764	0.275818	0.353164	0.0636193	2.84E-08	0.0254498	0.0237993	0.284911	0.2172535	6	0.75895423
ENSG00000260788	16	RP11-298D21.1	83754724	rs1345850	16	83796216	A	C	0.316103	-0.0023354	0.00914629	0.798458	0.311719	0.0503294	5.88E-10	-0.0074921	0.0293664	0.7986257	0.3381356	7	0.94842062
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.450914	0.0427885	5.76E-26	-0.0061447	0.0179263	0.7317688	0.1336442	20	0.93605801
ENSG00000140955	16	ADAD2	84224744	rs11864916	16	84228305	G	C	0.311133	0.0160265	0.00881752	0.0691305	1.00126	0.0763739	2.89E-39	0.0160063	0.00889066	0.07180469	0.5912307	20	0.54630251
ENSG00000250685	16	RP11-486L19.2	84226164	rs11864916	16	84228305	G	C	0.311133	0.0160265	0.00881752	0.0691305	0.777357	0.0811162	9.40E-22	0.0206167	0.0115452	0.0741413	0.7820874	20	0.54762401
ENSG00000064270	16	ATP2C2	84402133	rs72804661	16	84418009	A	G	0.0864811	0.00997613	0.0128064	0.435981	0.513071	0.0857431	2.18E-09	0.019444	0.0251709	0.4398318	0.4565566	19	0.85502448
ENSG00000270020	16	RP11-463O9.9	86553989	rs11645968	16	86572648	G	A	0.607356	0.00285083	0.0084769	0.736641	-0.922414	0.0882747	1.48E-25	-0.0030906	0.00919467	0.7367716	0.1880006	20	0.93605801
ENSG00000226180	16	AC010536.1	87727144	rs118009691	16	87757491	A	G	0.132207	0.0111024	0.0108759	0.307335	0.622239	0.103377	1.75E-09	0.0178427	0.0177282	0.3141972	0.4654262	12	0.78178784
ENSG00000174990	16	CA5A	87921625	rs12921873	16	87933057	T	C	0.201789	0.00299389	0.0110095	0.78567	0.53825	0.0889292	1.43E-09	0.00556227	0.0204749	0.7858812	0.3195958	18	0.94647669
ENSG00000261744	16	RP11-21B21.4	88579368	rs55893441	16	88596848	T	A	0.0984095	-0.0053989	0.0118372	0.648322	-0.709313	0.122883	7.82E-09	0.00761144	0.0167403	0.6493409	0.2510806	5	0.92429596
ENSG00000051523	16	CYBA	88709691	rs3794624	16	88717074	A	G	0.318091	0.00827507	0.00838883	0.323917	-0.363629	0.0473099	1.52E-14	-0.0227569	0.023259	0.3278695	0.9297765	19	0.79105484
ENSG00000260630	16	SNAI3-AS1	88729706	rs11076697	16	88740084	T	C	0.297217	0.00174286	0.00853213	0.838143	-0.361694	0.0560435	1.09E-10	-0.0048186	0.0236012	0.8382222	0.08411923	15	0.96350438
ENSG00000174177	16	CTU2	88772871	rs2290902	16	88782676	G	A	0.894632	-0.0140332	0.0122882	0.253451	0.467522	0.0814559	9.49E-09	-0.0300161	0.0267989	0.2626923	0.4360494	4	0.75099662
ENSG00000198931	16	APRT	88875747	rs8191469	16	88878357	T	G	0.055666	-0.053047	0.0206921	0.0103581	-0.558131	0.08876	3.21E-10	0.095044	0.0400367	0.01760021	0.8111629	5	0.34868323
ENSG00000141012	16	GALNS	88880142	rs16965110	16	88906780	G	A	0.275348	-0.0021838	0.00914477	0.811261	-0.376497	0.0669408	1.86E-08	0.00580023	0.024311	0.8114275	0.9854353	7	0.95541966
ENSG00000176715	16	ACSF3	89154783	rs7202765	16	89170421	A	G	0.704771	0.0149037	0.00850736	0.0797976	-0.536782	0.0632719	2.18E-17	-0.0277649	0.0161832	0.08622376	0.3029483	20	0.57027956
ENSG00000259803	16	SLC22A31	89262406	rs7202874	16	89264460	T	C	0.184891	-0.0111862	0.0113833	0.325762	0.645982	0.0933973	4.63E-12	-0.0173166	0.0177987	0.3305958	0.3617052	20	0.79569255
ENSG00000259877	16	RP11-46C24.7	89281638	rs9924954	16	89290402	A	G	0.0626243	-0.0117427	0.0175772	0.504092	-0.813347	0.139447	5.45E-09	0.0144375	0.0217522	0.5068665	0.06627527	10	0.87041275
ENSG00000170100	16	ZNF778	89284118	rs148798647	16	89245952	T	C	0.0178926	0.0225208	0.0230079	0.327665	1.6602	0.237982	3.03E-12	0.0135651	0.0139943	0.3323786	0.3196778	6	0.79742559
ENSG00000185324	16	CDK10	89747145	rs164742	16	89757725	G	A	0.606362	0.0125046	0.00818859	0.126742	0.217216	0.0353401	7.92E-10	0.0575676	0.038844	0.1383347	0.2047217	5	0.62373764
ENSG00000260259	16	RP11-368I7.4	89749028	rs397891	16	89753031	C	G	0.460239	0.0146932	0.00839455	0.0800608	0.536747	0.0891523	1.74E-09	0.0273745	0.0162872	0.09281383	0.2209111	12	0.58407271
ENSG00000075399	16	VPS9D1	89773542	rs9941129	16	89794994	T	C	0.595427	-0.0063309	0.00867147	0.465342	0.267824	0.040305	3.03E-11	-0.0236382	0.0325723	0.4680146	0.3655905	20	0.85502448
ENSG00000261373	16	VPS9D1-AS1	89778264	rs34141697	16	89786121	T	A	0.235586	-0.0039108	0.00998636	0.695346	0.456134	0.0632809	5.67E-13	-0.0085737	0.0219258	0.6957725	0.3123125	20	0.93344952
ENSG00000158805	16	ZNF276	89786808	rs13331995	16	89912063	C	T	0.352883	-0.0024771	0.00816463	0.76159	0.25442	0.0432867	4.16E-09	-0.0097363	0.0321339	0.761897	0.6774825	13	0.94139208
ENSG00000258839	16	MC1R	89978527	rs2270459	16	89979851	A	C	0.0815109	-0.0147533	0.0151879	0.331359	0.493268	0.070435	2.50E-12	-0.0299093	0.0310851	0.3359625	0.2358216	20	0.79993575
ENSG00000221819	16	C16orf3	90095316	rs76265950	16	90085139	C	A	0.084493	0.0142478	0.0167695	0.395533	0.949891	0.170937	2.74E-08	0.0149994	0.0178593	0.4009835	0.6108356	4	0.83159183
ENSG00000181031	17	RPH3AL	62293	rs8066107	17	66675	A	G	0.680915	0.00010537	0.00856656	0.990186	-0.765565	0.0667095	1.74E-30	-0.0001376	0.0111899	0.9901862	0.9749736	16	0.99793991
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	0.571201	0.0609577	7.22E-21	0.0207081	0.0164721	0.2086946	0.6110802	14	0.70128891
ENSG00000141252	17	VPS53	411908	rs4968120	17	431364	G	T	0.424453	-0.0042459	0.00836527	0.611757	-0.298159	0.0445877	2.28E-11	0.0142405	0.0281371	0.612779	0.725001	7	0.91218383
ENSG00000167695	17	FAM57A	635652	rs2657621	17	635080	C	A	0.472167	0.0121618	0.008267	0.141258	0.506873	0.0672613	4.85E-14	0.0239938	0.0166177	0.1487753	0.3563422	14	0.64224706
ENSG00000231784	17	DBIL5P	655900	rs2750006	17	659371	A	G	0.0337972	0.0197143	0.0229725	0.390799	1.73519	0.23387	1.18E-13	0.0113615	0.0133274	0.3939444	0.1165093	4	0.82705257
ENSG00000177370	17	TIMM22	900357	rs3744750	17	907315	T	C	0.751491	-0.0018784	0.00879942	0.830966	-0.371814	0.0641434	6.77E-09	0.00505185	0.0236822	0.8310787	0.09797284	7	0.96173345
ENSG00000185561	17	TLCD2	1611064	rs1075485	17	1619248	A	G	0.67992	0.00221539	0.00898779	0.805304	-0.380074	0.0615354	6.55E-10	-0.0058288	0.0236663	0.8054556	0.5214561	3	0.952997
ENSG00000167711	17	SERPINF2	1646130	rs2070862	17	1648294	T	C	0.223658	-0.0023051	0.00992405	0.816323	0.77468	0.0742057	1.63E-25	-0.0029756	0.0128137	0.8163682	0.869556	15	0.95802942
ENSG00000186532	17	SMYD4	1682779	rs11549830	17	1690752	A	G	0.343936	0.0144277	0.00820715	0.0787572	-0.556957	0.0754847	1.60E-13	-0.0259045	0.0151482	0.0872518	0.1007269	7	0.57027956
ENSG00000132383	17	RPA1	1732996	rs113292199	17	1672565	C	T	0.054672	-0.0199772	0.0233962	0.393179	0.702259	0.104058	1.49E-11	-0.0284471	0.0335812	0.3969328	0.9481723	7	0.82778514
ENSG00000108963	17	DPH1	1933404	rs76839366	17	1999344	A	G	0.0238569	0.00896219	0.0379522	0.813321	0.643656	0.105744	1.15E-09	0.0139239	0.0590078	0.8134586	0.9992847	7	0.9566283
ENSG00000167720	17	SRR	2206677	rs3744270	17	2207326	A	G	0.341948	0.0117644	0.00853037	0.167857	-0.455565	0.0534905	1.64E-17	-0.0258238	0.0189687	0.1733916	0.06583121	20	0.65919056
ENSG00000127804	17	METTL16	2308856	rs4790335	17	2318695	A	G	0.657058	0.00517685	0.00899136	0.564778	0.353668	0.0565969	4.13E-10	0.0146376	0.0255308	0.5664214	0.459731	4	0.89190235
ENSG00000221882	17	OR3A2	3181193	rs2931819	17	3289590	G	C	0.472167	0.00476783	0.00811903	0.557042	-0.515044	0.0898487	9.90E-09	-0.0092571	0.0158463	0.5590966	0.7294895	9	0.88690277
ENSG00000197417	17	SHPK	3511556	rs62069928	17	3514598	T	C	0.241551	0.0136324	0.00925157	0.140611	0.861779	0.0838672	9.09E-25	0.0158189	0.0108453	0.1446747	0.3126256	12	0.63685038
ENSG00000040531	17	CTNS	3539762	rs2235104	17	3564815	G	A	0.227634	-0.0084626	0.00916791	0.355975	-0.446647	0.0610406	2.53E-13	0.0189469	0.0206888	0.3597692	0.4270166	6	0.81243949
ENSG00000161905	17	ALOX15	4534197	rs4790671	17	4563444	A	G	0.753479	-0.0104357	0.0104743	0.319099	-0.353459	0.0471372	6.45E-14	0.0295245	0.0298941	0.3233314	0.6314191	15	0.78892126
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-0.967774	0.0938189	6.01E-25	0.0143748	0.0139103	0.3014187	0.6046294	20	0.77272183
ENSG00000108556	17	CHRNE	4801069	rs12150370	17	4777634	C	T	0.101392	-0.0131353	0.0113656	0.2478	0.873478	0.116791	7.49E-14	-0.0150379	0.0131663	0.2533914	0.3129219	20	0.74108855
ENSG00000091640	17	SPAG7	4862521	rs16954304	17	4871518	C	T	0.082505	0.00772859	0.0134213	0.564718	0.445787	0.0702743	2.25E-10	0.017337	0.0302308	0.566315	0.2309126	11	0.89190235
ENSG00000196388	17	INCA1	4891425	rs7218028	17	4952184	A	G	0.646123	0.014571	0.00820818	0.0758682	-0.477923	0.0652186	2.34E-13	-0.0304882	0.0176714	0.08447707	0.6114451	20	0.57027956
ENSG00000167840	17	ZNF232	5008836	rs11558	17	5287946	C	G	0.0954274	-0.0314593	0.017288	0.0688018	0.876306	0.147613	2.91E-09	-0.0358999	0.0206343	0.08189121	0.5335538	3	0.5652901
ENSG00000234327	17	AC012146.7	5014763	rs56197642	17	5018244	G	C	0.111332	-0.0080551	0.0103627	0.436972	-0.621284	0.0721281	7.08E-18	0.0129652	0.0167473	0.4388321	0.2046413	20	0.85502448
ENSG00000129204	17	USP6	5019733	rs143649705	17	5154016	A	G	0.0685885	-0.0459876	0.0206778	0.0261481	0.996207	0.170734	5.38E-09	-0.0461627	0.0222132	0.03769419	0.8111859	4	0.45997648
ENSG00000091592	17	NLRP1	5402747	rs114816590	17	5404500	A	G	0.0695825	0.00782313	0.0127907	0.540785	0.470043	0.0795394	3.43E-09	0.0166434	0.0273571	0.5429377	0.7611687	13	0.88006291
ENSG00000108590	17	MED31	6546635	rs930526	17	6473353	A	C	0.39165	-0.0021597	0.00842795	0.797753	-0.334517	0.0607177	3.60E-08	0.00645623	0.0252216	0.7979662	0.8234957	10	0.94842062
ENSG00000256806	17	AC004706.1	6555059	rs1808214	17	6561192	G	T	0.465209	0.0001842	0.00805871	0.981765	-0.389099	0.0486234	1.22E-15	-0.0004734	0.0207113	0.9817647	0.9004676	15	0.99662399
ENSG00000261996	17	CTC-281F24.1	6556783	rs9913412	17	6558205	T	C	0.291252	0.00453422	0.00904802	0.616281	-0.318257	0.0568333	2.15E-08	-0.014247	0.0285435	0.6176852	0.7042233	5	0.91376183
ENSG00000132507	17	EIF5A	7210318	rs28636077	17	7209386	A	G	0.558648	0.00829132	0.00869057	0.340053	-0.325996	0.0481977	1.34E-11	-0.0254338	0.0269224	0.3448083	0.0199706	11	0.80709253
ENSG00000170175	17	CHRNB1	7348380	rs7210231	17	7357864	A	C	0.185885	0.0152831	0.0105515	0.147498	0.345152	0.0620768	2.70E-08	0.0442793	0.0315909	0.1610199	0.8860153	6	0.65108594
ENSG00000141504	17	SAT2	7529552	rs858521	17	7530147	C	G	0.388668	0.00556542	0.00835195	0.50518	0.217034	0.0391637	3.00E-08	0.0256431	0.0387594	0.5082302	0.9985204	3	0.87041275
ENSG00000065325	17	GLP2R	9725523	rs2047664	17	9728611	G	C	0.117296	0.017953	0.0126163	0.154738	-0.647313	0.0843355	1.65E-14	-0.0277347	0.0198224	0.1617657	0.06283135	5	0.65108594
ENSG00000109047	17	RCVRN	9799637	rs3177567	17	9816631	C	G	0.549702	-0.0137692	0.00810942	0.089522	-1.06163	0.0762842	5.01E-44	0.0129699	0.00769529	0.09190587	0.00966367	15	0.58293002
ENSG00000133028	17	SCO1	10583654	rs56363722	17	10576357	G	T	0.471173	0.0100636	0.00817403	0.218258	0.393008	0.0461865	1.75E-17	0.0256066	0.0210152	0.2230418	0.9566136	10	0.71746678
ENSG00000187824	17	TMEM220	10602332	rs418557	17	10632975	T	C	0.474155	0.0115038	0.00812364	0.156749	-0.516856	0.0462421	5.27E-29	-0.0222573	0.0158431	0.1600632	0.9999848	17	0.65108594
ENSG00000006744	17	ELAC2	12895708	rs1044564	17	12895984	C	G	0.607356	0.00702664	0.00825115	0.394439	0.427977	0.0502679	1.68E-17	0.0164183	0.0193756	0.3967906	0.1975782	9	0.82778514
ENSG00000125409	17	TEKT3	15207128	rs189330	17	15460005	T	A	0.326044	0.0167038	0.0083859	0.0463831	-0.370049	0.0640886	7.74E-09	-0.0451394	0.0239721	0.05970107	0.08173576	6	0.52780415

ENSG00000239704	17	CDRT4	15339332	rs143003089	17	15449895	G	C	0.0656064	0.00899	0.0178279	0.614076	-0.618479	0.0766726	7.23E-16	-0.0145357	0.0288817	0.6147651	0.5046013	20	0.91218383
ENSG00000175106	17	TVP23C	15341205	rs16940991	17	15441486	A	G	0.198807	0.0270419	0.0101614	0.00778556	-0.355403	0.0650072	4.57E-08	-0.076088	0.0317986	0.01671985	0.2107263	3	0.34868323
ENSG00000214946	17	TBC1D26	15635561	rs11869390	17	15652749	G	A	0.395626	-0.0118401	0.00818091	0.147817	0.350458	0.0402519	3.13E-18	-0.0337846	0.0236638	0.1533801	0.5014265	20	0.64554258
ENSG00000233002	17	AC005324.6	15638337	rs55867746	17	15646836	G	C	0.225646	0.00112634	0.010183	0.911926	0.67929	0.0624389	1.45E-27	0.00165811	0.0149914	0.9119303	0.07823591	12	0.98830215
ENSG00000179277	17	MEIS3P1	15689932	rs10852832	17	15685233	C	G	0.33499	-0.0066028	0.00825406	0.423746	-0.285994	0.0515029	2.81E-08	0.023087	0.0291589	0.4284969	0.5045468	9	0.85416275
ENSG00000265519	17	CTD-3157E16.1	15691101	rs1054119	17	15691119	A	C	0.235586	-0.0038153	0.00947711	0.687255	-0.421743	0.0737436	1.07E-08	0.00904655	0.0225269	0.6879866	0.5060386	13	0.93137246
ENSG00000214941	17	ZSWIM7	15879874	rs1045599	17	15879910	T	C	0.570577	-0.0009432	0.00822599	0.908719	-0.61627	0.0588511	1.17E-25	0.00153042	0.0133488	0.9087239	0.7023788	20	0.98830215
ENSG00000011295	17	TTC19	15902694	rs758853	17	15903602	A	C	0.529821	0.004205	0.008102	0.603755	0.234282	0.0409193	1.03E-08	0.0179485	0.0347241	0.6052341	0.3476081	9	0.90957546
ENSG00000166582	17	CENPV	16245848	rs3112527	17	16248906	T	C	0.464215	0.00336313	0.00804952	0.676089	0.697661	0.0531119	2.06E-39	0.00482058	0.0115437	0.6762441	0.5061861	20	0.93020759
ENSG00000187688	17	TRPV2	16318856	rs3813769	17	16318932	C	T	0.33002	0.00655966	0.00903515	0.467829	-0.532826	0.0615512	4.86E-18	-0.0123111	0.0170166	0.4693877	0.9128919	8	0.85502448
ENSG00000154803	17	FLCN	17115526	rs1708618	17	17131869	C	T	0.567594	-0.008569	0.00842558	0.309142	0.47135	0.0434654	2.12E-27	-0.0181797	0.0179539	0.3112609	0.5198783	20	0.77753808
ENSG00000131899	17	LLGL1	18128901	rs11871761	17	18264227	C	T	0.246521	-0.0008911	0.00921049	0.922929	-0.215073	0.0379398	1.44E-08	0.0041431	0.0428312	0.92294	0.7296653	8	0.99020512
ENSG00000177302	17	TOP3A	18174742	rs7210790	17	18214566	G	A	0.661034	0.00290057	0.00894622	0.745768	-0.333037	0.0471862	1.69E-12	-0.0087095	0.0268909	0.7460278	0.9551091	20	0.93687539
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.859574	0.0679993	1.26E-36	-0.0062872	0.00951776	0.5088832	0.8569278	20	0.87041275
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.952687	0.0726701	2.90E-39	-0.0056727	0.0085867	0.5088426	0.8301358	20	0.87041275
ENSG00000213077	17	FAM106A	18427880	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.571175	0.0784646	3.35E-13	-0.0094618	0.0143629	0.5100453	0.9116658	12	0.87041275
ENSG00000171928	17	TVP23B	18684308	rs4924924	17	18677774	C	G	0.497018	0.0036513	0.00810652	0.652411	-0.342874	0.0479106	8.27E-13	-0.0106491	0.0236896	0.6530524	0.2152376	20	0.92458065
ENSG00000141127	17	PRPSAP2	18743398	rs28667787	17	18725527	T	C	0.468191	0.00497769	0.00820485	0.544065	0.35463	0.0474058	7.39E-14	0.0140363	0.0232123	0.5453841	0.5670083	16	0.88239085
ENSG00000235979	17	AC004448.5	19342456	rs4924992	17	19347793	C	T	0.72664	-0.0011737	0.00831244	0.887712	-0.322021	0.0521782	6.76E-10	0.00364486	0.0258201	0.8877408	0.6948541	3	0.9818645
ENSG00000142494	17	SLC47A1	19398698	rs8078268	17	19406391	T	C	0.209742	0.00586204	0.00897908	0.51385	-0.572504	0.0836264	7.60E-12	-0.0102393	0.015755	0.5157524	0.7653169	13	0.87041275
ENSG00000228331	17	RPL17P43	19400256	rs8078268	17	19406391	T	C	0.209742	0.00586204	0.00897908	0.51385	-0.369216	0.062456	3.39E-09	-0.015877	0.0244672	0.5163964	0.7897973	20	0.87041275
ENSG00000262681	17	RP11-311F12.1	19622372	rs28537694	17	19599423	A	G	0.612326	0.00928914	0.0081083	0.251947	-0.423322	0.0671742	2.94E-10	-0.0219434	0.0194679	0.2596751	0.3528423	6	0.74726023
ENSG00000261033	17	RP11-209D14.2	19911364	rs8079923	17	19869544	T	C	0.277336	0.0137353	0.00961643	0.153202	-0.564959	0.0928837	1.18E-09	-0.024312	0.0174845	0.1643795	0.8695819	8	0.6544165
ENSG00000154898	17	CCDC144CP	20224477	rs75296798	17	20217375	A	G	0.102386	0.0168417	0.0135097	0.212529	0.700501	0.113838	7.58E-10	0.0240424	0.0196776	0.2217772	0.05657239	11	0.71698145
ENSG00000189423	17	USP32P3	20318860	rs75296798	17	20217375	A	G	0.102386	0.0168417	0.0135097	0.212529	0.486138	0.0753223	1.09E-10	0.0346439	0.0283035	0.2209471	0.2353784	19	0.71649341
ENSG00000230528	17	NOS2P3	20339650	rs377645653	17	20336135	G	A	0.424453	0.00973432	0.00834183	0.243239	-0.618339	0.0708771	2.68E-18	-0.0157427	0.0136109	0.2474246	0.1337321	20	0.73815437
ENSG00000266369	17	RP11-344E13.4	20759259	rs16962541	17	20801739	G	T	0.151093	-0.011694	0.0108892	0.28286	0.81991	0.122643	2.30E-11	-0.0142625	0.0134512	0.2890013	0.8607173	6	0.76287666
ENSG00000184185	17	KCNJ12	21279509	rs9902386	17	21280185	G	T	0.703777	0.00279105	0.00840433	0.739816	-0.452147	0.0725847	4.69E-10	-0.0061729	0.018614	0.7401719	0.9451465	12	0.93605801
ENSG00000265683	17	RP11-173M1.5	25678884	rs35852868	17	25676513	C	G	0.363817	0.00832524	0.00854332	0.329822	0.457845	0.0827383	3.14E-08	0.0181835	0.018947	0.337203	0.2840564	4	0.79993575
ENSG00000007171	17	NOS2	26083792	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	-0.874187	0.0657182	2.25E-40	0.011152	0.0112177	0.3201542	0.1870547	16	0.78671432
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.574536	0.0474443	9.38E-34	-0.0169684	0.0170782	0.3204333	0.178617	14	0.78678929
ENSG00000004142	17	POLDIP2	26673659	rs2227735	17	26693258	T	C	0.575547	0.00373123	0.00810147	0.645113	0.294181	0.0419714	2.40E-12	0.0126835	0.0275985	0.6458242	0.7189195	12	0.92320922
ENSG00000244045	17	TMEM199	26684604	rs708100	17	26688663	A	G	0.497018	0.00251364	0.00809068	0.756042	0.382982	0.0621485	7.17E-10	0.00656334	0.0211523	0.756341	0.5547867	5	0.93884925
ENSG00000167525	17	PROCA1	27030215	rs9890687	17	26928363	G	A	0.0725646	-0.0136784	0.0145228	0.346267	-0.683215	0.0967773	1.67E-12	0.0200206	0.0214449	0.350518	0.3899557	10	0.81071725
ENSG00000221995	17	TIAF1	27400537	rs1873476	17	27406066	A	G	0.33499	0.00532849	0.00853655	0.532498	-0.35976	0.0479033	5.91E-14	-0.0148112	0.0238103	0.5339075	0.2432265	12	0.87447889
ENSG00000168792	17	ABHD15	27887565	rs3110496	17	27917771	G	A	0.664016	-0.0128183	0.00826022	0.120707	-0.377758	0.061447	7.86E-10	0.0339326	0.0225523	0.1324227	0.144466	5	0.61757097
ENSG00000108587	17	GOSR1	28804380	rs11080127	17	28797497	G	A	0.516899	-0.0058894	0.00805538	0.464711	-0.416945	0.056553	1.67E-13	0.0141251	0.0194148	0.4668935	0.6653958	20	0.85502448
ENSG00000231421	17	AC006050.2	28900489	rs190053	17	28896442	G	A	0.879722	-0.003338	0.0131207	0.79918	-1.21091	0.106399	5.21E-30	0.00275661	0.0108381	0.7992295	0.9712814	14	0.94846695
ENSG00000264538	17	SUZ12P	29036317	rs59284450	17	29105228	T	G	0.107356	0.00382679	0.0142578	0.788392	-0.833617	0.0843646	5.03E-23	-0.0045906	0.0171098	0.7884678	0.9971422	13	0.94647669
ENSG00000176390	17	CRLF3	29096406	rs1973252	17	29056338	A	G	0.167992	-0.0187949	0.0101105	0.0630347	0.564668	0.0772641	2.71E-13	-0.0332849	0.0184754	0.07161137	0.1494933	5	0.54614454
ENSG00000266490	17	CTD-2349P21.9	29119390	rs7504112	17	29073773	C	T	0.275348	-0.0128973	0.0089406	0.149145	0.617762	0.0744874	1.10E-16	-0.0208775	0.0146899	0.1552541	0.2855486	6	0.64842413
ENSG00000141314	17	RHBDL3	30593195	rs16967266	17	30632274	A	G	0.626243	-0.0078376	0.00849356	0.356125	-0.589513	0.0706146	6.92E-17	0.0132951	0.0144955	0.3590445	0.5241389	20	0.81243949
ENSG00000006042	17	TMEM98	31254928	rs2428358	17	31277885	G	A	0.140159	0.0155997	0.0134482	0.246055	-0.575664	0.0656224	1.75E-18	-0.0270986	0.0235646	0.2501546	0.3291083	10	0.73968148
ENSG00000132141	17	CCT6B	33254878	rs16970468	17	33270494	G	A	0.372763	-0.0075113	0.00819694	0.359479	-0.320902	0.0532924	1.73E-09	0.0234069	0.0258375	0.3649747	0.3724469	11	0.81243949
ENSG00000005156	17	LIG3	33307513	rs1634800	17	33383030	T	C	0.478131	-0.0038645	0.00812482	0.63433	-0.473508	0.0545326	3.85E-18	0.00816142	0.0171845	0.6348374	0.164463	9	0.91830913
ENSG00000092871	17	RFFL	33333009	rs1680530	17	33368056	C	A	0.572565	0.0100608	0.00878389	0.252057	-0.192526	0.0345186	2.44E-08	-0.0522568	0.0465765	0.2618809	0.4349932	3	0.75009326
ENSG00000166750	17	SLFN5	33570055	rs7211661	17	33566751	C	T	0.505964	-0.0052281	0.00808903	0.518077	0.433037	0.0504619	9.37E-18	-0.012073	0.0187327	0.5192589	0.4219992	15	0.87041275
ENSG00000263874	17	LINC00672	37081421	rs12450796	17	37187737	T	C	0.189861	-0.0190246	0.0129643	0.14225	-0.293761	0.0509839	8.32E-09	0.0647622	0.045541	0.1550076	0.1458093	4	0.64842413
ENSG00000161381	17	PLXDC1	37219556	rs6503745	17	37230414	G	C	0.559642	-0.0167882	0.00806752	0.0374378	-0.44814	0.0578497	9.44E-15	0.037462	0.0186404	0.04446156	0.20041	9	0.4920309
ENSG00000141750	17	STAC2	37366789	rs16541	17	37365138	G	A	0.214712	0.0115736	0.0116325	0.319768	0.305663	0.0457852	2.46E-11	0.0378639	0.0384769	0.3250819	0.5234618	14	0.78892126
ENSG00000161395	17	PGAP3	37827375	rs1495100	17	37832279	T	C	0.678926	0.00010312	0.00867927	0.99052	-0.230703	0.0376143	8.60E-10	-0.000447	0.037621	0.9905203	0.7735762	15	0.99793991
ENSG00000008838	17	MED24	38175350	rs12453343	17	38181176	A	C	0.368787	-0.0198277	0.00855705	0.0204975	-0.269489	0.0454389	3.01E-09	0.0735752	0.0340902	0.03090859	0.523046	13	0.43705301
ENSG00000188895	17	MSL1	38278551	rs117827273	17	38279036	G	C	0.161034	-0.0138363	0.0108414	0.20187	-0.514432	0.0830428	5.84E-10	0.0268963	0.0215171	0.2113014	0.4294895	8	0.70128891
ENSG00000108244	17	KRT23	39078948	rs8070427	17	39093376	T	C	0.299205	-0.0003685	0.00910467	0.96772	0.813722	0.0888271	5.15E-20	-0.0004528	0.011189	0.9677199	0.3064084	19	0.99373886
ENSG00000141698	17	NT5C3B	39981335	rs1865841	17	39991988	A	G	0.728628	-0.0079007	0.00853003	0.354331	-0.268621	0.0310626	5.25E-18	0.0294121	0.0319365	0.3570742	0.6426105	11	0.81071725
ENSG00000037042	17	TUBG2	40811323	rs2292750	17	40811781	T	C	0.525845	0.00575462	0.0080824	0.476468	-0.411388	0.0480304	1.08E-17	-0.0139883	0.0197144	0.4779853	0.1389927	17	0.85676979
ENSG00000198496	17	NBR2	41277627	rs34094168	17	41379112	G	A	0.358847	0.0201854	0.00829167	0.0149156	-1.1626	0.0667813	7.04E-68	-0.0173623	0.0072014	0.01591055	0.6760166	20	0.34868323
ENSG00000013306	17	SLC25A39	42396993	rs850719	17	42394461	G	A	0.630219	-0.0230185	0.00868264	0.00802324	-0.278281	0.0425253	5.99E-11	0.0827167	0.0336642	0.01400584	0.09061206	9	0.34868323
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-0.948861	0.0773055	1.25E-34	-0.026596	0.0124636	0.03285106	0.00496492	20	0.44271993
ENSG00000136448	17	NMT1	43128978	rs9899380	17	43173131	G	C	0.511928	0.0148242	0.00810083	0.0672558	-0.250149	0.045228	3.19E-08	-0.0592615	0.0341106	0.08232794	0.00215989	9	0.56645202
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.531298	0.0583466	8.56E-20	0.0364042	0.0168119	0.03035834	0.264579	13	0.43281147
ENSG00000159314	17	ARHGAP27	43471275	rs56340658	17	43689090	C	T	0.241551	-0.0038861	0.0147709	0.792479	0.422435	0.0473493	4.59E-19	-0.0091993	0.0349813	0.7925681	0.9999496	8	0.94736216
ENSG00000225190	17	PLEKHM1	43513266	rs10445365	17	43932789	T	C	0.202783	-0.007935	0.0159569	0.618993	0.499778	0.0570104	1.84E-18	-0.015877	0.0319793	0.6195579	0.7840449	15	0.91395475
ENSG00000214425	17	LRRC37A4P	43578685	rs2668645	17	44288640	G	A	0.242545	-0.0039877	0.0148208	0.787883	-1.04136	0.0645949	1.81E-58	0.00382931	0.0142341	0.7879121	0.982312	4	0.94647669
ENSG00000266918	17	RP11-798G7.8	43608943	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	0.64705	0.107203	1.58E-09	0.0113122	0.0130441	0.3858183	0.506359	14	0.82452054
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.0748	0.101848	4.92E-26	-0.0053187	0.0139377	0.7027543	0.7854772	11	0.93402459
ENSG00000263503	17	RP11-707O23.5	43678235	rs2942166	17	43715427	C	T	0.240557	-0.0038979	0.0147986	0.792244	1.15676	0.0965223	4.29E-33	-0.0033697	0.0127962	0.7922929	0.9999527	8	0.94736216
ENSG00000204650	17	CRHR1-IT1	43697694	rs9468	17	44101563	C	T	0.241551	0.00066382	0.0138135	0.961671	0.697696	0.0539877	3.33E-38	0.00095145	0.0197989	0.9616719	0.9837411	4	0.99132464
ENSG00000264589	17	MAPT-AS1	43921017	rs62055937	17	43848968	T	G	0.239563	-0.0052124	0.0149089	0.726624	-0.726148	0.075876	1.07E-21	0.00717821	0.0205452	0.7267993	0.7345121	6	0.93605801
ENSG00000120071	17	KANSL1	44107282	rs7218567	17	44870255	A	C	0.286282	-0.0092987	0.00866432	0.283172	0.342725	0.0608998	1.83E-08	-0.0271318	0.0257363	0.2917812	0.9047509	8	0.76742592
ENSG00000214401	17	KANSL1-AS1	44270942	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.06856	0.0745861	1.49E-46	-0.0053497	0.0140149	0.7026696	0.9314497	10	0.93402459
ENSG00000262500	17	RP11-259G18.2	44320972	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.18202	0.101622	2.85E-31	-0.0048362	0.0126719	0.7027215	0.7640378	10	0.93402459
ENSG00000262539	17	RP11-259G18.3	44336917	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.27538	0.0921185	1.36E-43	-0.0044822	0.0117425	0.7026767	0.7565837	10	0.93402459
ENSG00000261575	17	RP11-259G18.1	44344403	rs62057147	17	43903298	A	G	0.239563	-0.0058033	0.0148322	0.695604	0.862362	0.087992	1.12E-22	-0.0067295	0.0172132	0.6958341	0.982798	4	0.93344952
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.13101	0.102416	2.36E-28	-0.0064717	0.00740829	0.3823511	0.4939033	11	0.82180041
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.08618	0.0769026	2.70E-45	-0.0065429	0.00753216	0.385031	0.3422191	20	0.82395072
ENSG00000260075	17	NSFP1	44450221	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.04373	0.0874029	7.18E-33	-0.0070129	0.00802415	0.3821354	0.7783343	20	0.82180041
ENSG00000238083	17	LRRC37A2	44588877	rs413917	17	43723189	A	G	0.239563	-0.003857	0.0147965	0.794349	1.22188	0.0864316	2.25E-45	-0.0031566	0.0121117	0.7943834	0.9782671	4	0.947444
ENSG00000185829	17	ARL17A	44594068	rs58879558	17	44095467	C	T	0.250497	0.00159749	0.0122612	0.896338	1.0158	0.0995462	1.90E-24	0.00157264	0.0120715	0.8963468	0.162883	11	0.9845666
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-0.739538	0.0754935	1.17E-22	0.0069953	0.0119147	0.5571267	0.2561038	12	0.88690277
ENSG00000263142	17	LRRC37A17P	45055847	rs9889451	17	45153875	G	A	0.359841	0.0109849	0.00838833	0.190348	0.358896	0.0644552	2.57E-08	0.0306075	0.0240103	0.2023924	0.3516671	16	0.69575497
ENSG00000262879	17	RP11-156P1.3	45061411	rs76048354	17	45180518	T	C	0.106362	0.0355339	0.0151706	0.0191664	1.32915	0.116116	2.44E-30	0.0267343	0.0116503	0.02174813	0.6693973	20	0.38719205
ENSG00000178852	17	EFCAB13	45400656	rs7221196	17	45374994	A	G	0.571571	0.00921489	0.00830553	0.267219	0.393372	0.0688491	1.11E-08	0.0234254	0.0215081	0.2760905	0.6761165	5	0.75436188
ENSG00000141294	17	LRRC46	45908993	rs2325752	17	45921906	C	T	0.512922	0.00036902	0.00808794	0.963608	-0.392861	0.0679755	7.49E-09	-0.0009393	0.0205879	0.9636095	0.4397659	12	0.9918127
ENSG00000141295	17	SCRN2	45915058	rs11079797	17	45912302	T	C	0.158052	0.0255113	0.0119553	0.0328519	-0.416691	0.0547776	2.81E-14	-0.0612235	0.0297985	0.03991929	0.249634	18	0.4714349
ENSG00000170703	17	TTLL6	46839597	rs61596100	17	46895360	A	G	0.408549	0.0240814	0.00825179	0.00351917	-0.629934	0.0667837	4.01E-21	-0.0382284	0.0137121	0.00530447	0.08542902	20	0.25561277
ENSG00000248278	17	RP11-463M16.4	46952222	rs12941263	17	46967038	A	T	0.564612	0.0345241	0.0080749	1.91E-05	0.797775	0.0974023	2.60E-16	0.0432755	0.0114178	0.00015055	0.1679482	20	0.10369395
ENSG00000159210	17	SNF8	47006678	rs8081699	17	46976211	T	C	0.266402	-0.0214449	0.00911392	0.0186239	-0.315818	0.0505758	4.25E-10	0.0679027	0.0308389	0.02767575	0.1169522	13	0.40741278
ENSG00000261959	17	RP11-893F2.14	48240884	rs1046329	17	48248906	G	C	0.17992	-0.0081028	0.0103723	0.434688	0.379756	0.0661176	9.27E-09	-0.0213368	0.0275645	0.4388904	0.7870526	5	0.85502448
ENSG00000108823	17	SGCA	48241575	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.669119	0.0800822	6.52E-17	-0.0094125	0.0125796	0.4543174	0.7295001	12	0.85502448
ENSG00000188662	17	HILS1	48248789	rs1061947	17	48262119	A	G	0.149105	-0.0019467	0.0112073	0.862105	0.527494	0.0790585	2.52E-11	-0.0036904	0.0212535	0.8621508	0.2246378	5	0.97523491
ENSG00000136457	17	CHAD	48541857	rs2898945	17	48553916	G	C	0.577535	0.0125614	0.00807607	0.119853	0.464589	0.0568981	3.21E-16	0.0270377	0.0176958	0.1265345	0.9228753	10	0.61517925
ENSG00000136444	17	RSAD1	48556161	rs4794148	17	48524173	C	T	0.640159	0.0135181	0.00808847	0.0946673	-0.319364	0.0387391	1.67E-16	-0.0423282	0.025842	0.10143	0.9624558	13	0.59734669
ENSG00000250286	17	RP11-94C24.8	48614655	rs3785916	17	48612958	C	T	0.720676	-0.0009682	0.00870025	0.911395	-0.607311	0.0854639	1.19E-12	0.00159417	0.0143276	0.9114059	0.2230033	15	0.98830215
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.795163	0.0525488	9.98E-52	-0.0175149	0.0108397	0.1061338	0.4649245	20	0.59966108
ENSG00000154945	17	ANKRD40	48770551	rs1055371	17	48816262	A	G	0.309145	-0.0181627	0.00901872	0.044022	-0.218813	0.0326059	1.94E-11	0.0830056	0.0430325	0.05374264	0.8813957	8	0.52780415
ENSG00000229980	17	TOB1-AS1	48944040	rs4132870	17	48958850	A	G	0.272366	0.0023001	0.00875331	0.792728	0.381993	0.0617082	6.00E-10	0.00602131	0.0229355	0.7929107	0.02978493	13	0.94736216
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.507072	0.0375595	1.55E-41	-0.0240187	0.0164961	0.145387	0.4425817	20	0.63685097
ENSG00000243678	17	NME1-NME2	49230920	rs9907636	17	49256694	G	A	0.475149	-0.0105363	0.00805795	0.191021	-0.239742	0.0313953	2.24E-14	0.0439485	0.0341001	0.1974648	0.2192125	20	0.69037633
ENSG00000011260	17	UTP18	49337889	rs6504707	17	49398988	C	T	0.417495	0.00064923	0.00816904	0.936655	-0.375992	0.0509341	1.56E-13	-0.0017267	0.0217279	0.936659	0.02368704	20	0.99132464
ENSG00000166260	17	COX11	53029263	rs35573927	17	53031889	C	G	0.269384	0.00552494	0.00901827	0.540116	-0.390523	0.045533	9.76E-18	-0.0141475	0.0231516	0.5411456	0.1633509	14	0.87983781
ENSG00000214226	17	C17orf67	54869274	rs117486106	17	54911028	G	C	0.102386	0.00786886	0.0123259	0.523214	0.644665	0.108732	3.05E-09	0.0122061	0.0192304	0.5256035	0.2900449	4	0.87447889
ENSG00000121101	17	TEX14	56634039	rs1057068	17	56598439	C	T	0.370775	-0.0024655	0.00846091	0.770747	-0.492514	0.0843057	5.16E-09	0.00500595	0.0172004	0.771023	0.3285073	11	0.94267496
ENSG00000108384	17	RAD51C	56769934	rs12948424	17	56653789	C	G	0.180915	0.00327269	0.00921842	0.722577	-0.547371	0.0716834	2.24E-14	-0.0059789	0.0168595	0.7228643	0.1855062	20	0.93605801
ENSG00000267280	17	RP11-332H18.4	59470817	rs887258	17	59479580	G	C	0.799205	0.00854206	0.0106656	0.42319	-0.440045	0.0784008	1.99E-08	-0.0194118	0.024483	0.4278553	0.575464	5	0.85416275
ENSG00000136492	17	BRIP1	59758627	rs12949659	17	59893497	C	T	0.771372	-0.0180352	0.0104582	0.0846175	0.320402	0.0578703	3.08E-08	-0.0562893	0.0341876	0.09966431	0.2000577	4	0.59734669
ENSG00000008283	17	CYB561	61509665	rs2286569	17	61518005	C	T	0.478131	-0.0215308	0.00808332	0.0077309	-0.524676	0.039998	2.61E-39	0.0410364	0.0157207	0.0090453	0.774366	20	0.29864866
ENSG00000198231	17	DDX42	61850963	rs67018565	17	61928055	A	C	0.269384	-0.0013246	0.00956513	0.889857	-0.381095	0.0547068	3.26E-12	0.00347583	0.025104	0.8898793	0.6285472	13	0.9823746
ENSG00000108592	17	FTSJ3	61896793	rs2665850	17	61954112	C	T	0.591451	-0.0046933	0.00839926	0.576318	0.724721	0.0558723	1.79E-38	-0.006476	0.0116004	0.5766709	0.5044412	20	0.89639273
ENSG00000176809	17	LRRC37A3	62850430	rs41410147	17	62962184	T	C	0.084493	-0.0205939	0.0172927	0.233694	0.755891	0.12098	4.16E-10	-0.0272445	0.0232891	0.2420649	0.5819561	4	0.73372296
ENSG00000267731	17	RP11-147L13.8	66186025	rs76582927	17	66120000	A	T	0.172962	0.0284518	0.0104919	0.00669237	-0.436626	0.0771955	1.55E-08	-0.0651629	0.0266485	0.01447442	0.4832865	9	0.34868323
ENSG00000154258	17	ABCA9	66970629	rs4968839	17	67125840	T	C	0.710736	-0.0007949	0.00859186	0.926289	0.377188	0.0647013	5.55E-09	-0.0021074	0.0227816	0.9262981	0.4485489	10	0.9909256
ENSG00000154262	17	ABCA6	67074843	rs3744489	17	67138138	T	C	0.682903	0.00237021	0.00847572	0.779748	0.568997	0.0670437	2.12E-17	0.00416559	0.014904	0.7798647	0.1249969	14	0.94606047
ENSG00000256124	17	RP11-84E24.3	70026432	rs12453033	17	70028639	A	G	0.328032	-0.0020317	0.00968468	0.833835	-0.4227	0.0621753	1.06E-11	0.00480651	0.0229224	0.8339126	0.6725831	10	0.96255193
ENSG00000125450	17	NUP85	73201754	rs1478785	17	73222865	A	G	0.754473	0.0184148	0.0110806	0.0965339	-0.718286	0.0666046	4.08E-27	-0.0256371	0.0156085	0.1004849	0.3259707	20	0.59734669
ENSG00000266714	17	MYO15B	73584139	rs736522	17	73588058	T	G	0.329026	0.00031218	0.00908623	0.972592	-0.22075	0.0384364	9.29E-09	-0.0014142	0.0411615	0.972593	0.7559273	4	0.99559654
ENSG00000141569	17	TRIM65	73876416	rs8081954	17	73884193	T	A	0.362823	0.0097636	0.0093057	0.294083	0.424676	0.0482052	1.25E-18	0.0229907	0.0220673	0.2974841	0.841928	20	0.77110149
ENSG00000188878	17	FBF1	73905655	rs55793071	17	73909948	T	C	0.238569	0.0147514	0.0105385	0.161584	0.555758	0.0488023	4.80E-30	0.0265428	0.0191051	0.1647394	0.9371483	20	0.6547428
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.535331	0.0505928	3.64E-26	0.0207214	0.0200997	0.3025736	0.9369485	20	0.77300284
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.499555	0.0547323	7.03E-20	0.0222054	0.0215743	0.3033617	0.7091577	11	0.77430627
ENSG00000129646	17	QRICH2	74270130	rs3803738	17	74303832	C	G	0.239563	0.00979102	0.00991256	0.323281	-0.303729	0.0401197	3.72E-14	-0.032236	0.0329128	0.3273638	0.01105073	10	0.79101565
ENSG00000161542	17	PRPSAP1	74305567	rs2585747	17	74298257	G	C	0.294235	0.0130507	0.00926657	0.159023	-0.520154	0.0635836	2.82E-16	-0.0250901	0.0180771	0.1651536	0.3827463	19	0.65487772
ENSG00000129673	17	AANAT	74449433	rs55945712	17	74482760	C	T	0.671968	0.0112845	0.00825758	0.171761	-0.44111	0.073479	1.93E-09	-0.0255821	0.0191989	0.1827043	0.4555552	3	0.66543051
ENSG00000163597	17	SNHG16	74553848	rs3180348	17	74560569	A	G	0.171968	-0.0177767	0.0104366	0.0885095	-0.560921	0.0775487	4.72E-13	0.031692	0.0191151	0.09732671	0.2575708	11	0.59734669
ENSG00000182534	17	MXRA7	74668633	rs11869629	17	74677156	T	C	0.804175	0.003673	0.0104029	0.724031	-0.607006	0.0528039	1.39E-30	-0.006051	0.0171461	0.7241573	0.5460947	20	0.93605801
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086057	17	74819228	G	A	0.0864811	-0.007793	0.0145054	0.591099	1.50918	0.164233	3.95E-20	-0.0051637	0.00962786	0.5917303	0.1786527	13	0.90256694
ENSG00000234912	17	LINC00338	75082798	rs11868249	17	75085322	G	A	0.148111	-0.0032294	0.0140318	0.817979	-0.652213	0.100399	8.24E-11	0.00495137	0.0215276	0.8180911	0.8618871	4	0.95828989
ENSG00000167900	17	TK1	76170160	rs144204502	17	76183233	T	C	0.0119284	-0.0148516	0.0211157	0.481839	1.46518	0.170729	9.33E-18	-0.0101364	0.01446	0.483307	0.9990894	10	0.85984635
ENSG00000055483	17	USP36	76783463	rs11077397	17	76796463	T	C	0.513917	0.0172386	0.00825585	0.0367934	0.573919	0.0511849	3.53E-29	0.0300366	0.0146323	0.04009619	0.2347734	20	0.47167785
ENSG00000167280	17	ENGASE	77071021	rs8076010	17	77071002	G	C	0.240557	-0.00632	0.0097237	0.515719	0.351768	0.0584062	1.71E-09	-0.0179664	0.0278029	0.5181457	0.1852389	3	0.87041275
ENSG00000167291	17	TBC1D16	77906142	rs9891737	17	78006747	G	A	0.23161	0.00356005	0.0104463	0.733258	-0.314883	0.052473	1.96E-09	-0.0113059	0.0332286	0.7336705	0.9353406	4	0.93605801
ENSG00000141519	17	CCDC40	78010435	rs3764440	17	78011691	G	A	0.219682	0.0137119	0.00890707	0.123697	0.62406	0.0545867	2.88E-30	0.0219721	0.0144016	0.127092	0.02341909	16	0.61694199
ENSG00000171298	17	GAA	78075355	rs2304850	17	78075228	T	C	0.250497	-0.0111394	0.010043	0.267354	-0.368588	0.0496122	1.09E-13	0.0302218	0.0275492	0.272636	0.8571716	12	0.75436188
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.627251	0.0548717	2.92E-30	0.0169025	0.0135329	0.2116672	0.206478	20	0.70128891
ENSG00000171246	17	NPTX1	78440948	rs7502391	17	78875303	C	T	0.818091	0.00024384	0.0101298	0.980795	-0.34874	0.0525648	3.26E-11	-0.0006992	0.029047	0.9807953	0.07569559	9	0.99662399
ENSG00000261924	17	CTD-2561B21.5	78940039	rs6565507	17	78944840	C	T	0.752485	0.00861469	0.00924923	0.351649	-0.969146	0.0953306	2.81E-24	-0.008889	0.00958366	0.3536613	0.03976089	20	0.81071725
ENSG00000262873	17	CTD-2561B21.11	78991769	rs113473934	17	79003163	G	C	0.62326	-0.0231509	0.00860956	0.00716704	-0.416966	0.0499769	7.23E-17	0.0555223	0.021694	0.0104873	0.4108471	11	0.30983639
ENSG00000262098	17	CTD-2561B21.10	78997345	rs12944711	17	78997720	T	C	0.845924	0.00036569	0.011262	0.974096	-0.449956	0.0816153	3.52E-08	-0.0008127	0.0250295	0.9740965	0.02833158	3	0.99612776
ENSG00000263154	17	RP11-1055B8.2	79336072	rs11150783	17	79352162	G	T	0.380716	0.00226838	0.00844154	0.788148	0.527327	0.0923919	1.15E-08	0.00430166	0.0160259	0.7883768	0.8356067	7	0.94647669
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.963239	0.0936708	8.39E-25	-0.0099236	0.0130225	0.4460385	0.749075	12	0.85502448
ENSG00000185298	17	CCDC137	79633394	rs62080206	17	79635058	T	C	0.192843	-0.0110548	0.0110933	0.318994	0.477458	0.0754457	2.48E-10	-0.0231535	0.0235204	0.324919	0.4371454	6	0.78892126
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.880401	0.0683309	5.51E-38	0.01147	0.0119137	0.3356689	0.1610194	20	0.79993575
ENSG00000185105	17	MYADML2	79897521	rs34319293	17	79899900	A	G	0.540755	0.0114246	0.00815481	0.161224	-0.368072	0.0532938	4.97E-12	-0.031039	0.0226067	0.1697518	0.506039	8	0.65890878
ENSG00000169689	17	STRA13	79976578	rs3934983	17	79980756	A	C	0.55666	-0.0044455	0.00834142	0.594077	0.494094	0.0500234	5.22E-23	-0.0089972	0.0169068	0.5946133	0.02287362	8	0.90391503
ENSG00000169738	17	DCXR	79993012	rs56169754	17	79996746	C	A	0.0994036	0.0340808	0.0113357	0.00264271	0.27407	0.0385642	1.19E-12	0.124351	0.0449094	0.00562419	0.3946409	14	0.25561277
ENSG00000176155	17	CCDC57	80059336	rs4482345	17	80152919	A	G	0.482107	-0.012383	0.00809398	0.126041	-0.259029	0.0336272	1.33E-14	0.0478055	0.0318577	0.1334611	0.3014812	9	0.61757097
ENSG00000178927	17	C17orf62	80400465	rs9303029	17	80408815	T	C	0.127237	-0.0239175	0.0107878	0.0266171	-0.483487	0.0581214	8.90E-17	0.0494688	0.0230914	0.032169	0.189514	8	0.44271993
ENSG00000141562	17	NARF	80416056	rs7221018	17	80456621	C	A	0.38668	-0.0151386	0.00847401	0.0740219	-0.355296	0.0458848	9.69E-15	0.0426084	0.0244771	0.08172821	0.344736	16	0.5652901
ENSG00000263063	17	RP11-388C12.1	80671784	rs113399146	17	80672613	T	C	0.244533	-0.0131382	0.0101057	0.193574	0.694669	0.102679	1.33E-11	-0.0189129	0.0148137	0.2017014	0.9775026	5	0.69575497
ENSG00000141560	17	FN3KRP	80674559	rs58867683	17	80679455	A	T	0.406561	0.00284553	0.00848782	0.737437	-0.629435	0.0545574	8.58E-31	-0.0045208	0.0134905	0.7375442	0.4359777	20	0.93605801
ENSG00000175711	17	B3GNTL1	80900031	rs57923322	17	81009636	G	T	0.229622	0.00156324	0.00869716	0.857356	-0.487541	0.0596844	3.12E-16	-0.0032064	0.0178431	0.8573897	0.8811335	12	0.97367722
ENSG00000263006	18	ROCK1P1	109065	rs55665716	18	104374	A	T	0.298211	0.00218301	0.00840388	0.795047	0.896479	0.0833818	5.83E-27	0.00243509	0.00937705	0.7951057	0.5919847	20	0.947481

ENSG00000079101	18	CLUL1	596988	rs12955797	18	589353	C	G	0.28827	-0.0042813	0.00851332	0.615039	0.394835	0.0720356	4.23E-08	-0.0108432	0.0216523	0.6165191	0.4575042	6	0.9130945
ENSG00000132199	18	ENOSF1	670324	rs2847154	18	687270	A	G	0.212724	0.00752532	0.00909465	0.407985	0.572821	0.0635744	2.06E-19	0.0131373	0.0159438	0.4099523	0.08012014	20	0.83922113
ENSG00000266513	18	RP11-874J12.3	3770017	rs4798127	18	3770469	T	G	0.529821	0.00395012	0.00825469	0.632274	-0.555779	0.0774684	7.27E-13	-0.0071074	0.0148855	0.6330279	0.3701092	11	0.91773611
ENSG00000263753	18	LINC00667	5232875	rs9948693	18	5247432	T	C	0.387674	0.00299857	0.00830116	0.717933	0.68608	0.070127	1.33E-22	0.00437058	0.0121077	0.7181166	0.5776852	20	0.93605801
ENSG00000266441	18	RP11-91I8.3	6728820	rs12605298	18	6719503	T	A	0.483101	-0.0006147	0.00805904	0.939201	-0.902079	0.0753846	5.33E-33	0.00068142	0.00893403	0.9392023	0.5663131	20	0.99132464
ENSG00000128791	18	TWSG1	9334765	rs12457923	18	9339571	A	G	0.104374	0.0214081	0.0193671	0.268994	-0.494667	0.0725377	9.14E-12	-0.0432778	0.0396628	0.2752098	0.2137885	10	0.75436188
ENSG00000154845	18	PPP4R1	9546789	rs600622	18	9628466	G	A	0.196819	0.0135166	0.0105666	0.200834	0.337284	0.0523067	1.13E-10	0.0400748	0.031939	0.2095766	0.3021957	9	0.70128891
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-0.978047	0.0933095	1.05E-25	0.00448728	0.01087	0.6797429	0.4670386	19	0.93020759
ENSG00000134265	18	NAPG	10525902	rs495484	18	10535060	A	T	0.393638	0.00586099	0.00860103	0.4956	-0.289528	0.0336395	7.51E-18	-0.0202433	0.0298	0.4969458	0.2200889	20	0.86614223
ENSG00000264714	18	RP11-21G15.1	10724617	rs7234309	18	10752666	T	C	0.272366	0.0159097	0.00964515	0.0990444	-0.368365	0.0501061	1.96E-13	-0.04319	0.0268347	0.1075098	0.7314592	8	0.59966108
ENSG00000267079	18	RP11-820I16.1	11910633	rs1811452	18	11947700	A	C	0.337972	-0.0018671	0.00836607	0.823397	0.741919	0.0859337	5.94E-18	-0.0025166	0.01128	0.8234552	0.7695497	15	0.95876638
ENSG00000176014	18	TUBB6	12307668	rs4073975	18	12279075	T	C	0.350895	0.00773555	0.00901022	0.3906	-0.3572	0.051643	4.62E-12	-0.0216561	0.0254182	0.3942183	0.9210223	3	0.82705257
ENSG00000141391	18	SLMO1	12407895	rs34620743	18	12438519	G	C	0.151093	0.0217604	0.0134055	0.104537	0.395947	0.0694508	1.19E-08	0.0549579	0.0352024	0.1184775	0.8014166	6	0.61071871
ENSG00000267108	18	RP11-861E21.1	12432896	rs34448712	18	12439062	C	A	0.152087	0.0218674	0.0134036	0.102795	0.844879	0.105021	8.63E-16	0.0258823	0.0161875	0.1098406	0.8316971	12	0.60289081
ENSG00000267199	18	RP11-861E21.2	12438889	rs12455439	18	12438549	G	A	0.432406	-0.0025124	0.00832011	0.762674	-0.749814	0.0757106	4.01E-23	0.00335075	0.0111014	0.7627804	0.4683748	20	0.94139208
ENSG00000260302	18	RP11-973H7.1	12774650	rs7237497	18	12777325	C	T	0.861829	-0.0005753	0.0115843	0.960389	-0.904448	0.131399	5.85E-12	0.00063613	0.0128085	0.9603897	0.3933932	4	0.99132464
ENSG00000267336	18	RP11-773H22.2	12912843	rs8094285	18	12911504	C	A	0.698807	-0.0087445	0.00825785	0.289633	-1.04915	0.112529	1.13E-20	0.0083348	0.0079216	0.2927251	0.3256982	7	0.76742592
ENSG00000101639	18	CEP192	12991361	rs1787000	18	13113197	T	C	0.619284	-0.0032917	0.00820342	0.688231	-0.872368	0.0594169	8.39E-49	0.00377327	0.00940713	0.6883411	0.9263978	20	0.93142351
ENSG00000175322	18	ZNF519	14057456	rs9958799	18	14132402	C	G	0.229622	0.00025724	0.00989117	0.979252	0.297016	0.0369273	8.75E-16	0.00086606	0.033302	0.9792522	0.07166233	11	0.99662399
ENSG00000266242	18	GRAMD4P7	14485805	rs71365242	18	14452952	G	A	0.262425	0.0052391	0.00910268	0.564915	0.907778	0.0747103	5.69E-34	0.00577134	0.0100387	0.5653514	0.9374451	20	0.89125722
ENSG00000180777	18	ANKRD30B	14728271	rs143640812	18	14765332	T	C	0.214712	-0.0027324	0.00988662	0.782258	-0.58269	0.0943409	6.56E-10	0.00468935	0.0169842	0.7824703	0.5554705	20	0.94647669
ENSG00000264880	18	RP11-805F19.1	15159723	rs35269568	18	15198343	T	G	0.305169	0.00912298	0.008967	0.308965	0.665989	0.101972	6.53E-11	0.0136984	0.0136266	0.3147665	0.1142013	7	0.78204989
ENSG00000141458	18	NPC1	21086148	rs2356683	18	21101011	A	G	0.455268	-0.0096484	0.00807275	0.232014	0.209485	0.0325626	1.25E-10	-0.0460579	0.0391956	0.2399629	0.06794183	11	0.73372296
ENSG00000265752	18	RP11-403A21.1	21537718	rs9956312	18	21549677	G	T	0.677932	0.0118624	0.00846826	0.161271	0.515163	0.0705826	2.91E-13	0.0230265	0.016738	0.1689148	0.4892482	12	0.65839328
ENSG00000264745	18	RP11-403A21.2	21574177	rs8089140	18	21574459	G	A	0.206759	-0.0195431	0.0101448	0.0540518	-0.558034	0.100879	3.17E-08	0.0350213	0.0192504	0.0688725	0.5867408	5	0.53758036
ENSG00000265750	18	RP11-799B12.4	21739473	rs67109045	18	21743971	A	G	0.193837	0.0113551	0.00904292	0.20923	0.614323	0.102555	2.10E-09	0.0184839	0.0150401	0.2190801	0.1238651	20	0.71530986
ENSG00000266489	18	RP11-178F10.3	22096847	rs1791270	18	22123778	T	C	0.392644	0.0201557	0.00851826	0.0179726	0.805047	0.080167	9.95E-24	0.0250367	0.0108708	0.02127288	0.5996907	7	0.38694635
ENSG00000260372	18	AQP4-AS1	24235706	rs232319	18	24500151	C	T	0.527833	0.0009231	0.00811545	0.909439	-0.940684	0.0698426	2.39E-41	-0.0009813	0.00862749	0.9094426	0.3355919	18	0.98830215
ENSG00000154080	18	CHST9	24495595	rs12456126	18	24628679	T	A	0.407555	0.0188341	0.00819627	0.021568	0.492457	0.0610818	7.49E-16	0.0382452	0.0173065	0.02711354	0.4836269	15	0.40738371
ENSG00000197705	18	KLHL14	30252634	rs11660243	18	30334036	G	A	0.33499	-0.0060243	0.00909692	0.50782	0.813942	0.0759593	8.61E-27	-0.0074014	0.0111977	0.5086282	0.450489	12	0.87041275
ENSG00000134779	18	TPGS2	34359987	rs2654543	18	34692374	G	A	0.351889	0.00873016	0.00855805	0.307676	0.506843	0.0711276	1.03E-12	0.0172246	0.0170572	0.3125835	0.9995095	15	0.78022617
ENSG00000152223	18	EPG5	43427574	rs1075906	18	43502190	T	G	0.54672	0.00962186	0.00809116	0.234368	-0.252144	0.0375298	1.84E-11	-0.0381602	0.0325882	0.2416067	0.8097392	5	0.73372296
ENSG00000152240	18	HAUS1	43684298	rs72903449	18	43684561	A	C	0.0536779	0.00272876	0.0178673	0.878616	0.803706	0.133743	1.86E-09	0.00339522	0.0222383	0.8786551	0.5990672	5	0.97923194
ENSG00000101751	18	POLI	51795774	rs3730783	18	51815283	G	A	0.428429	-0.0003246	0.00809063	0.967992	-0.520092	0.0603107	6.49E-18	0.00062421	0.0155563	0.9679927	0.618408	20	0.99373886
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.568023	0.0869083	6.32E-11	-0.0091978	0.0216818	0.6714075	0.654425	3	0.93003269
ENSG00000263958	18	RP11-676J15.1	70535623	rs9959385	18	70582029	C	G	0.116302	0.019298	0.0148135	0.192667	0.553115	0.0762409	4.02E-13	0.0348897	0.0272103	0.1997646	0.6342709	8	0.69169397
ENSG00000133313	18	CNDP2	72163051	rs1365249	18	72164097	A	G	0.301193	0.0036411	0.00874838	0.677262	0.422974	0.0474919	5.28E-19	0.00860833	0.0207056	0.6775936	0.5095229	20	0.93020759
ENSG00000264247	18	LINC00909	72259010	rs7505289	18	72264406	G	A	0.852883	0.00502044	0.0118153	0.670902	-0.460117	0.0753674	1.03E-09	-0.0109112	0.025741	0.67165	0.7425511	4	0.93003269
ENSG00000267287	18	RP11-567M16.1	77336460	rs36103192	18	77347166	G	A	0.107356	-0.0131602	0.0151763	0.385859	0.673478	0.122158	3.52E-08	-0.0195407	0.0228113	0.3916531	0.3406806	3	0.82705257
ENSG00000141759	18	TXNL4A	77732867	rs34937055	18	77728594	G	A	0.827038	0.00949413	0.0123701	0.442779	-0.390121	0.0520404	6.55E-14	-0.0243364	0.0318741	0.4451562	0.9109356	20	0.85502448
ENSG00000267127	18	RP11-795F19.5	77794346	rs72976317	18	77848209	T	C	0.861829	0.00662401	0.0131125	0.613441	-0.850931	0.116579	2.90E-13	-0.0077844	0.0154465	0.614288	0.2476618	18	0.91218383
ENSG00000261126	18	RBFADN	77806900	rs613847	18	77845644	A	G	0.143141	-0.0060675	0.0129341	0.638991	0.805643	0.0764714	5.94E-26	-0.0075313	0.0160703	0.6393238	0.5112255	20	0.92142979
ENSG00000099866	19	MADCAM1	489176	rs111692538	19	488391	G	A	0.0516899	0.00193689	0.0257448	0.940028	-0.773933	0.132135	4.71E-09	-0.0025027	0.0332676	0.9400333	0.6569853	5	0.99132464
ENSG00000266933	19	AC005775.2	490046	rs10424907	19	488506	G	A	0.402584	-0.0035636	0.00823997	0.665399	-0.817665	0.0894026	5.91E-20	0.00435822	0.0100887	0.6657489	0.1762848	12	0.93003269
ENSG00000267751	19	AC009005.2	567212	rs111419280	19	566149	G	A	0.793241	0.00198632	0.00903012	0.825897	0.591346	0.106111	2.51E-08	0.00335898	0.0152823	0.8260309	0.9135468	4	0.95976057
ENSG00000196415	19	PRTN3	840963	rs116985340	19	843822	T	C	0.16004	-0.0006898	0.0110833	0.950376	-0.74521	0.113844	5.92E-11	0.0009256	0.0148734	0.9503783	0.4668352	3	0.99132464
ENSG00000065268	19	WDR18	983174	rs4806884	19	984554	G	C	0.55666	0.003174	0.00807364	0.694223	-0.616531	0.0635956	3.18E-22	-0.0051482	0.013106	0.694461	0.07509751	20	0.93344952
ENSG00000116032	19	GRIN3B	1000418	rs73920542	19	1015908	T	C	0.223658	-0.0117402	0.0102608	0.252547	0.507497	0.0796463	1.87E-10	-0.0231335	0.0205418	0.2600946	0.09498929	17	0.74726023
ENSG00000182087	19	TMEM259	1009647	rs2240160	19	1011215	A	G	0.172962	0.0102974	0.0097719	0.291983	0.383948	0.0462272	9.93E-17	0.0268198	0.0256551	0.2958398	0.01968024	14	0.76840073
ENSG00000207357	19	RNU6-2	1021521	rs117481827	19	1021627	C	T	0.132207	0.0238256	0.0144659	0.0995543	0.894262	0.128596	3.55E-12	0.0266428	0.0166239	0.1090053	0.03132964	9	0.60104839
ENSG00000064687	19	ABCA7	1040102	rs62131195	19	1031478	C	T	0.837972	0.0185101	0.0100978	0.0667898	-0.390936	0.0696372	1.98E-08	-0.0473482	0.0271719	0.08141389	0.38212	6	0.5652901
ENSG00000099817	19	POLR2E	1086594	rs6843	19	1088285	C	T	0.755467	0.00190824	0.00911844	0.834235	-0.404238	0.0458933	1.27E-18	-0.0047206	0.0225635	0.8342815	0.02920562	14	0.96255193
ENSG00000160953	19	MUM1	1285890	rs713042	19	1357082	C	T	0.76839	0.00780822	0.00859599	0.36369	-0.500652	0.0734511	9.35E-12	-0.0155961	0.0173214	0.3679096	0.7590387	6	0.8138073
ENSG00000115266	19	APC2	1446300	rs3894776	19	1457370	T	C	0.582505	-0.0003327	0.00854577	0.968943	0.479181	0.0633687	3.98E-14	-0.0006944	0.0178344	0.9689435	0.5092534	6	0.99434085
ENSG00000115255	19	REEP6	1491165	rs78735375	19	1497547	A	C	0.0526839	-0.0017198	0.0204739	0.933059	-0.603565	0.0869501	3.88E-12	0.00284934	0.0339241	0.9330632	0.7535739	15	0.99132464
ENSG00000185988	19	PLK5	1524073	rs35131251	19	1522595	T	C	0.62326	-0.0054054	0.00815529	0.507456	0.318595	0.0583399	4.73E-08	-0.0169662	0.0257855	0.5105538	0.4356505	6	0.87041275
ENSG00000104885	19	DOT1L	2164148	rs75613123	19	2223275	T	C	0.0516899	-0.0102597	0.0162455	0.527689	0.686511	0.0948944	4.67E-13	-0.0149447	0.0237539	0.5292519	0.0668764	16	0.87447889
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	0.792159	0.0825664	8.46E-22	-0.0201861	0.0138044	0.1436598	0.624838	9	0.63428936
ENSG00000099800	19	TIMM13	2425622	rs6945	19	2426828	C	G	0.44831	0.020336	0.00808891	0.0119349	0.262874	0.0351234	7.19E-14	0.0773603	0.0324607	0.01716301	0.8695984	7	0.34868323
ENSG00000176533	19	GNG7	2511217	rs62121677	19	2522925	C	T	0.315109	0.00400122	0.00929206	0.666755	-0.210039	0.0339337	6.03E-10	-0.0190499	0.0443466	0.6675098	0.6043228	11	0.93003269
ENSG00000175691	19	ZNF77	2933216	rs35699176	19	2936535	A	G	0.0487078	0.0385218	0.0311649	0.216436	1.70153	0.18474	3.25E-20	0.0226395	0.01848	0.2205448	0.6458469	3	0.71596877
ENSG00000125912	19	NCLN	3185561	rs566476	19	3187386	A	T	0.460239	0.00933302	0.00814695	0.251967	-0.233444	0.0376895	5.87E-10	-0.0399797	0.0354908	0.2599627	0.8440323	18	0.74726023
ENSG00000183397	19	C19orf71	3539152	rs1128872	19	3538654	C	G	0.455268	-0.0158828	0.00804448	0.0483404	-0.25094	0.0393565	1.82E-10	0.0632932	0.0335591	0.05929207	0.7742718	12	0.52780415
ENSG00000077463	19	SIRT6	4174106	rs3760907	19	4183155	G	T	0.129225	-0.0168539	0.0117973	0.153113	0.61952	0.0626769	4.87E-23	-0.0272048	0.0192405	0.1573821	0.03793831	9	0.64842413
ENSG00000178078	19	STAP2	4324040	rs55913120	19	4334402	T	C	0.439364	0.0133193	0.00808269	0.0993757	0.534433	0.0639557	6.47E-17	0.0249223	0.0154151	0.1059338	0.3354458	16	0.59966108
ENSG00000267980	19	AC007292.6	4363786	rs11085072	19	4368142	T	C	0.233598	-0.0038466	0.0110496	0.72775	-0.562259	0.0891367	2.83E-10	0.00684128	0.0196821	0.7281485	0.05628859	10	0.93605801
ENSG00000167670	19	CHAF1A	4402659	rs1127888	19	4454083	T	C	0.262425	-0.0130897	0.0102964	0.203626	-0.668467	0.0714863	8.68E-21	0.0195817	0.0155447	0.2077773	0.07669362	16	0.70128891
ENSG00000267769	19	CTB-50L17.9	4454011	rs55660045	19	4425305	G	T	0.240557	-0.0032593	0.0108775	0.764453	-0.762609	0.0791086	5.42E-22	0.00427392	0.0142704	0.7645624	0.01316092	16	0.94166946
ENSG00000196365	19	LONP1	5691845	rs809374	19	5609257	C	G	0.645129	0.00084579	0.00839012	0.919703	0.475735	0.0529824	2.73E-19	0.00177787	0.0176372	0.9197078	0.7025078	20	0.98862402
ENSG00000141994	19	DUS3L	5784843	rs113649884	19	5795083	G	A	0.196819	-0.0070684	0.00965774	0.464233	-0.625382	0.0615588	3.02E-24	0.0113026	0.015483	0.4653891	0.6291798	15	0.85502448
ENSG00000181240	19	SLC25A41	6426048	rs2860181	19	6436305	T	C	0.487078	-0.017558	0.00829139	0.0342074	0.634276	0.0526025	1.76E-33	-0.027682	0.0132723	0.03700595	0.3066424	19	0.45477223
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.498241	0.0473733	7.19E-26	-0.008316	0.0167844	0.6202764	0.03326552	13	0.91395475
ENSG00000268758	19	EMR4P	6952511	rs8110698	19	7004532	A	G	0.573559	0.00298563	0.00818915	0.715423	-0.500868	0.0590414	2.19E-17	-0.0059609	0.016365	0.7156733	0.8939437	13	0.93605801
ENSG00000104883	19	PEX11G	7541761	rs10402951	19	7555092	G	A	0.323062	0.00087236	0.0087277	0.920382	-0.350175	0.0476099	1.91E-13	-0.0024912	0.0249261	0.9203888	0.07812256	7	0.98880874
ENSG00000268297	19	CLEC4GP1	7852435	rs36056976	19	7853716	G	C	0.240557	-0.0101914	0.0105164	0.332496	1.26176	0.0925437	2.51E-42	-0.0080771	0.00835573	0.3337155	0.2714306	18	0.79946895
ENSG00000269139	19	CTD-3193O13.8	7990886	rs7899	19	7991679	A	T	0.302187	0.00605874	0.00858081	0.480138	0.760049	0.0730687	2.43E-25	0.00797151	0.0113158	0.4811469	0.0441945	11	0.85841597
ENSG00000233927	19	RPS28	8386042	rs2972583	19	8406918	T	C	0.595427	0.013055	0.00818036	0.110512	-0.276552	0.0305581	1.43E-19	-0.0472063	0.0300362	0.1160326	0.8687023	9	0.60616766
ENSG00000269386	19	RAB11B-AS1	8439257	rs72996752	19	8454236	G	A	0.265408	-0.0012485	0.00854806	0.883881	-0.351113	0.0615903	1.19E-08	0.00355569	0.0243536	0.8839192	0.4210166	3	0.98128259
ENSG00000099785	19	2-Mar	8478154	rs17160520	19	8548589	A	G	0.284294	0.0288944	0.00953741	0.00244889	0.503747	0.0455557	2.01E-28	0.057359	0.0196307	0.00347897	0.3925611	20	0.23805783
ENSG00000130803	19	ZNF317	9251056	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	-0.759475	0.123221	7.11E-10	0.0335828	0.0192858	0.08162736	0.9595675	3	0.5652901
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.61639	0.169973	1.91E-21	-0.0157792	0.00884941	0.07457376	0.8544112	8	0.54762401
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.1808	0.122365	4.93E-22	0.00239195	0.0146583	0.8703769	0.5436246	5	0.9765182
ENSG00000188629	19	ZNF177	9435021	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-0.918122	0.131813	3.28E-12	0.00307629	0.0188546	0.8703937	0.8573438	4	0.9765182
ENSG00000174652	19	ZNF266	9523272	rs8108483	19	9545030	T	C	0.558648	0.00163106	0.00810334	0.840478	0.878003	0.0565476	2.29E-54	0.00185769	0.00923006	0.840491	0.8992442	20	0.96417326
ENSG00000171469	19	ZNF561	9715356	rs10414485	19	9868404	T	C	0.212724	-0.0070667	0.00950046	0.456979	-0.611215	0.0764124	1.26E-15	0.0115618	0.0156106	0.4589142	0.2189935	9	0.85502448
ENSG00000267289	19	CTD-2623N2.11	9944755	rs730554	19	9961546	A	G	0.657058	-0.0067318	0.00848688	0.427658	-0.601994	0.0937846	1.37E-10	0.0111826	0.0142052	0.4311544	0.292813	3	0.85492516
ENSG00000080573	19	COL5A3	10070237	rs2010448	19	10103583	T	C	0.332008	0.00701436	0.00878781	0.424759	-0.625952	0.0556808	2.54E-29	-0.0112059	0.0140745	0.425923	0.2363093	20	0.85416275
ENSG00000220201	19	ZGLP1	10415479	rs75231016	19	10420982	C	G	0.0934394	0.00282269	0.0144258	0.844869	-0.266027	0.0415493	1.53E-10	-0.0106105	0.0542521	0.8449403	0.81906	7	0.96612574
ENSG00000129347	19	KRI1	10663761	rs1465701	19	10678842	C	T	0.777336	-0.0143817	0.0094741	0.129015	0.566827	0.0669703	2.59E-17	-0.0253723	0.016981	0.1351336	0.076242	18	0.61985195
ENSG00000197256	19	KANK2	11274943	rs7187	19	11275258	G	A	0.318091	-0.0129319	0.00889674	0.146068	0.338871	0.0428521	2.62E-15	-0.0381617	0.0266939	0.1528304	0.01730054	8	0.64465192
ENSG00000267174	19	CTC-510F12.4	11411453	rs322158	19	11413454	G	A	0.295229	0.0113108	0.00890174	0.20386	-0.826958	0.0784104	5.27E-26	-0.0136776	0.0108423	0.2071267	0.443375	20	0.70128891
ENSG00000197054	19	ZNF763	12035890	rs279273	19	12069444	G	T	0.0884692	-0.0218128	0.014145	0.123052	-0.682195	0.117622	6.64E-09	0.0319744	0.0214549	0.1361434	0.4838646	4	0.62098749
ENSG00000219665	19	CTD-2006C1.2	12098432	rs10403392	19	12153589	T	A	0.0367793	-0.0165431	0.0175465	0.345776	-1.06154	0.186109	1.17E-08	0.0155841	0.0167536	0.3522711	0.7287586	6	0.81071725
ENSG00000180855	19	ZNF443	12540521	rs61221985	19	12546744	T	G	0.279324	-0.0020981	0.00917215	0.819067	0.556441	0.0620347	2.97E-19	-0.0037706	0.016489	0.8191243	0.955798	9	0.95828989
ENSG00000242852	19	ZNF709	12571998	rs72999876	19	12626928	A	T	0.427435	0.00400786	0.00809987	0.620738	0.320382	0.0521261	7.93E-10	0.0125096	0.0253637	0.6218644	0.9580177	5	0.91426882
ENSG00000269560	19	CTD-2192J16.21	12640582	rs12982356	19	12640516	C	G	0.701789	0.0153191	0.00926062	0.0980822	-0.670977	0.0899793	8.85E-14	-0.022831	0.0141372	0.1063192	0.7230233	4	0.59966108
ENSG00000213290	19	PGK1P2	12670385	rs2861410	19	12664631	A	G	0.647117	0.00469852	0.00825374	0.56918	-0.507477	0.0920302	3.50E-08	-0.0092586	0.0163507	0.5712237	0.775432	9	0.89520588
ENSG00000105607	19	GCDH	13001840	rs8012	19	13010520	G	A	0.521869	-0.0028336	0.00806037	0.72518	0.447936	0.0435426	8.04E-25	-0.0063258	0.018005	0.7253345	0.2436707	17	0.93605801
ENSG00000037757	19	MRI1	13875346	rs62111893	19	13874258	T	G	0.414513	-0.0047543	0.00815023	0.55967	-0.608694	0.0661882	3.70E-20	0.00781062	0.0134166	0.5604584	0.7169993	4	0.8873691
ENSG00000104979	19	C19orf53	13884982	rs10104	19	13885484	G	A	0.255467	0.00183705	0.00899581	0.838188	-0.326451	0.0413618	2.96E-15	-0.0056273	0.0275656	0.8382414	0.2535571	5	0.96350438
ENSG00000141854	19	hsa-mir-1199	14183348	rs899170	19	14183577	G	C	0.377734	0.0117622	0.00828937	0.155914	0.435066	0.0570125	2.33E-14	0.0270354	0.0193797	0.1630044	0.9075335	12	0.65178939
ENSG00000267723	19	CTD-2189E23.1	14365001	rs609626	19	14378816	G	C	0.403579	-0.004009	0.00807433	0.619532	-0.638335	0.0789278	6.09E-16	0.00628042	0.0126729	0.6201908	0.2796335	8	0.91395475
ENSG00000105143	19	SLC1A6	15060846	rs7259656	19	15090314	C	T	0.314115	-0.0011756	0.00839384	0.888618	0.324077	0.0353383	4.70E-20	-0.0036275	0.0259038	0.8886303	0.8869495	20	0.9818645
ENSG00000186529	19	CYP4F3	15751707	rs1290617	19	15751897	G	T	0.426441	-0.0041973	0.00851787	0.622179	-0.726293	0.0775859	7.89E-21	0.0057791	0.0117441	0.6226592	0.05009405	20	0.91426882
ENSG00000267594	19	CYP4F24P	15871051	rs3752145	19	15882788	T	C	0.595427	-0.0058603	0.00815741	0.472507	-1.08549	0.0705594	2.09E-53	0.00539879	0.00752315	0.4729894	0.7027143	20	0.85664168
ENSG00000105072	19	C19orf44	16607122	rs967886	19	16607233	C	G	0.841948	0.010735	0.00988882	0.277668	0.499973	0.0776923	1.23E-10	0.0214712	0.0200581	0.2844187	0.3447946	4	0.75895423
ENSG00000214046	19	SMIM7	16741562	rs62116934	19	16775097	A	G	0.0854871	0.0206391	0.0154462	0.181484	-0.536796	0.0889767	1.61E-09	-0.0384487	0.0294721	0.1920364	0.6562524	5	0.6823907
ENSG00000188039	19	NWD1	16830787	rs12973121	19	16828840	C	T	0.436382	0.00364853	0.00848547	0.667215	-0.428094	0.0479443	4.30E-19	-0.0085227	0.0198445	0.6675767	0.1058906	10	0.93003269
ENSG00000099330	19	OCEL1	17337013	rs10426800	19	17337447	T	C	0.107356	0.00017741	0.0156761	0.99097	-0.595983	0.0778602	1.94E-14	-0.0002977	0.026303	0.9909703	0.4927432	6	0.99793991
ENSG00000130312	19	MRPL34	17403418	rs7253389	19	17415781	T	G	0.426441	-0.0009474	0.00826353	0.908724	0.441737	0.0424492	2.32E-25	-0.0021447	0.018708	0.9087296	0.3595331	16	0.98830215
ENSG00000105650	19	PDE4C	18318771	rs62120394	19	18338709	A	G	0.289264	-0.0156782	0.00913244	0.0860241	-0.508046	0.0897942	1.53E-08	0.0308598	0.0187849	0.1004245	0.71142	14	0.59734669
ENSG00000130518	19	KIAA1683	18367908	rs11086102	19	18398628	C	G	0.640159	0.0137505	0.00853611	0.10721	-0.450007	0.053551	4.34E-17	-0.0305562	0.0193142	0.1136365	0.8881651	20	0.60439303
ENSG00000130517	19	PGPEP1	18451397	rs67348050	19	18458003	T	C	0.286282	-0.0017972	0.00812607	0.824961	-0.48866	0.059316	1.75E-16	0.00367787	0.0166353	0.8250233	0.1205549	10	0.95947138
ENSG00000175489	19	LRRC25	18501954	rs1985157	19	18513594	C	T	0.398608	-0.0125065	0.00811361	0.123215	-0.273779	0.0427099	1.45E-10	0.045681	0.0304804	0.133951	0.224156	20	0.61801008
ENSG00000064545	19	TMEM161A	19229978	rs4808925	19	19249379	G	A	0.0298211	-0.0328681	0.0206276	0.111069	-0.6466	0.10802	2.15E-09	0.0508322	0.0330125	0.1236128	0.9468681	3	0.61194908
ENSG00000254901	19	MEF2BNB	19287712	rs4808185	19	19296217	G	A	0.531809	-0.0101345	0.00828781	0.221399	0.255358	0.0389522	5.54E-11	-0.0396874	0.0330154	0.2293299	0.166478	6	0.72438037
ENSG00000160161	19	CILP2	19649057	rs1064395	19	19361735	A	G	0.166004	0.00075452	0.012622	0.952332	0.505916	0.0679973	1.01E-13	0.00149139	0.0249496	0.952334	0.2819541	20	0.99132464
ENSG00000266904	19	LINC00663	19868175	rs248971	19	19871649	G	T	0.44334	0.00868358	0.00806336	0.281517	0.466038	0.0688185	1.27E-11	0.0186328	0.0175193	0.2875307	0.9685507	4	0.76026288
ENSG00000081665	19	ZNF506	19896648	rs4808993	19	19920967	A	C	0.167992	0.00317048	0.00985339	0.74763	0.611135	0.0759207	8.30E-16	0.00518786	0.016136	0.747825	0.97394	20	0.93704979
ENSG00000184635	19	ZNF93	20011722	rs1019279	19	20047327	C	A	0.23161	0.00613454	0.00967747	0.526147	0.557103	0.0882422	2.73E-10	0.0110115	0.0174584	0.5282185	0.7433113	20	0.87447889
ENSG00000267268	19	AC007204.2	20011777	rs10408752	19	20026607	C	T	0.242545	0.00611329	0.0096525	0.526513	0.641108	0.0947084	1.29E-11	0.00953551	0.0151217	0.5283129	0.8004631	20	0.87447889
ENSG00000213985	19	AC078899.1	20368529	rs7256154	19	20404660	C	T	0.176938	-0.0050043	0.00983895	0.611017	0.622748	0.105161	3.18E-09	-0.0080359	0.0158574	0.6123249	0.9843105	11	0.91218383
ENSG00000231205	19	ZNF826P	20451078	rs73012627	19	20733420	C	G	0.0586481	0.0329066	0.0201395	0.102273	1.12344	0.178298	2.96E-10	0.0292909	0.0185196	0.1137363	0.6307137	4	0.60439303
ENSG00000188171	19	ZNF626	20802867	rs7254897	19	20816572	C	T	0.370775	0.00713678	0.00842675	0.39704	0.376228	0.0591844	2.06E-10	0.0189693	0.0225959	0.4011878	0.9558788	14	0.83159183
ENSG00000105750	19	ZNF85	21106028	rs56231962	19	21131664	T	G	0.130219	-0.0099122	0.0123847	0.423504	0.801817	0.115142	3.31E-12	-0.0123621	0.0155475	0.4265422	0.8655483	7	0.85416275
ENSG00000196705	19	ZNF431	21324827	rs145645636	19	21334003	T	C	0.0149105	-0.0671681	0.115578	0.561141	1.38973	0.196674	1.59E-12	-0.0483318	0.0834466	0.5624583	0.8457983	4	0.8885229
ENSG00000172687	19	ZNF738	21541732	rs8103417	19	21556721	C	A	0.257455	-0.0157915	0.00888142	0.0753963	-0.407415	0.0581228	2.39E-12	0.0387602	0.0224898	0.0848061	0.05704759	16	0.57027956
ENSG00000268555	19	RP11-678G14.3	21753624	rs6511251	19	21656286	T	C	0.755467	0.00621697	0.00956784	0.515836	-0.716302	0.0978799	2.51E-13	-0.0086793	0.0134098	0.5174821	0.5849068	20	0.87041275
ENSG00000268433	19	RP11-420K14.2	21860352	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-0.636616	0.0866542	2.03E-13	-0.0095867	0.0133833	0.4737933	0.7390886	20	0.85664168
ENSG00000197020	19	ZNF100	21905568	rs7252798	19	21908053	T	C	0.436382	-0.0010028	0.00807812	0.901207	0.549667	0.057166	6.89E-22	-0.0018244	0.0146976	0.9012153	0.2866688	20	0.98700246
ENSG00000160321	19	ZNF208	22115760	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-0.510724	0.0922182	3.06E-08	-0.0119498	0.0167423	0.4753831	0.8258602	4	0.85676979
ENSG00000197134	19	ZNF257	22235254	rs281161	19	22418243	T	G	0.335984	-0.0100901	0.0084993	0.235159	0.585013	0.0860232	1.04E-11	-0.0172477	0.0147481	0.2422091	0.8232027	18	0.73372296
ENSG00000269332	19	CTC-457E21.3	22779059	rs1807159	19	22778183	G	C	0.0646123	-0.0059895	0.0204844	0.769988	1.04537	0.160398	7.16E-11	-0.0057295	0.0196151	0.7702121	0.2537646	11	0.9422966
ENSG00000269416	19	CTB-175P5.4	23582035	rs675277	19	23604186	T	C	0.253479	-0.0072968	0.00933857	0.434592	0.816448	0.0768412	2.28E-26	-0.0089372	0.0114689	0.43583	0.1450947	20	0.85502448
ENSG00000261824	19	LINC00662	28175488	rs62116584	19	28333969	T	C	0.322068	0.0109503	0.00924091	0.236025	-0.366778	0.0547915	2.17E-11	-0.0298554	0.0255865	0.2432751	0.07857229	20	0.73372296
ENSG00000261770	19	CTC-459F4.1	28248092	rs6510333	19	28312200	G	A	0.847913	0.0136975	0.00918799	0.136013	-1.3996	0.107877	1.72E-38	-0.0097867	0.00660792	0.1385908	0.879472	16	0.62395431
ENSG00000267623	19	AC022153.1	28393503	rs151164120	19	27747466	A	G	0.370775	-0.00292	0.0082598	0.723699	-0.449141	0.0662073	1.17E-11	0.00650132	0.0184152	0.7240572	0.4943532	11	0.93605801
ENSG00000260725	19	AC005307.1	28909390	rs757596	19	28899982	G	C	0.360835	0.0259135	0.00818024	0.00153585	0.461383	0.0806301	1.05E-08	0.0561648	0.0202654	0.00558041	0.4362744	6	0.25561277
ENSG00000169021	19	UQCRFS1	29698173	rs10406650	19	29722624	G	A	0.918489	0.00288297	0.0157117	0.854413	-0.347525	0.0558937	5.05E-10	-0.0082957	0.04523	0.8544747	0.2228335	3	0.97211086
ENSG00000267213	19	AC007773.2	32880956	rs10408437	19	32988000	G	A	0.164016	0.0158643	0.00971006	0.102301	-0.810759	0.0873531	1.67E-20	-0.0195672	0.0121606	0.107603	0.3674741	20	0.59966108
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.472948	0.0485261	1.91E-22	0.0022465	0.017095	0.8954485	0.1103209	17	0.9845666
ENSG00000105186	19	ANKRD27	33087913	rs11084655	19	33034698	G	A	0.28827	-0.0067932	0.0087212	0.43602	-0.447692	0.0768943	5.81E-09	0.0151739	0.0196539	0.4400831	0.02101419	14	0.85502448
ENSG00000173809	19	TDRD12	33210659	rs2112917	19	33317543	T	C	0.213718	-0.002896	0.00978443	0.767243	-0.367542	0.0596416	7.16E-10	0.00787945	0.0266519	0.767503	0.8359747	8	0.94219749
ENSG00000021488	19	SLC7A9	33321415	rs73041757	19	33369028	A	G	0.184891	0.00686517	0.0102422	0.502677	-0.776817	0.0714478	1.56E-27	-0.0088376	0.0132099	0.5034874	0.4833433	20	0.87041275
ENSG00000131941	19	RHPN2	33469499	rs10411739	19	33616327	C	T	0.356859	-0.0044364	0.00873081	0.611361	-0.388734	0.0533969	3.34E-13	0.0114124	0.0225142	0.612227	0.8359097	20	0.91218383
ENSG00000124299	19	PEPD	33877856	rs56187503	19	33853260	T	C	0.44334	-0.0023426	0.00817019	0.774326	0.374745	0.0520267	5.89E-13	-0.0062511	0.0218193	0.7745002	0.808656	15	0.94408015
ENSG00000153885	19	KCTD15	34286838	rs28524164	19	34287386	T	C	0.531809	0.00899349	0.00808361	0.265898	-0.237956	0.0398851	2.43E-09	-0.0377948	0.0345567	0.2740848	0.03189904	5	0.75436188
ENSG00000268751	19	SCGB1B2P	35067638	rs149038801	19	35149244	T	A	0.0357853	-0.0103911	0.0306052	0.734216	-0.774701	0.118085	5.36E-11	0.013413	0.0395587	0.7345593	0.05954788	10	0.93605801
ENSG00000089335	19	ZNF302	35168544	rs10401309	19	35175749	G	C	0.115308	-0.0008643	0.0124057	0.944459	-0.772614	0.0975636	2.39E-15	0.00111861	0.0160574	0.9444616	0.132747	6	0.99132464
ENSG00000197841	19	ZNF181	35225060	rs7247952	19	35246250	T	C	0.317097	-0.01252	0.00861958	0.146361	-0.376216	0.0513131	2.27E-13	0.0332788	0.0233565	0.1542106	0.7950803	16	0.64645901
ENSG00000168661	19	ZNF30	35417807	rs55712935	19	35418193	T	C	0.338966	-0.0072885	0.00832274	0.381178	-0.398764	0.0522896	2.42E-14	0.0182776	0.0210085	0.3842951	0.6126824	15	0.82377214
ENSG00000089351	19	GRAMD1A	35485688	rs35879596	19	35498890	T	C	0.33499	0.0118577	0.0086929	0.172546	-0.371044	0.0545609	1.04E-11	-0.0319577	0.0238949	0.181083	0.9084673	9	0.66258927

ENSG00000236144	19	AD000090.2	36031640	rs12608794	19	36022638	C	T	0.161034	-0.0060263	0.0105956	0.56952	-0.353675	0.0607099	5.69E-09	0.0170391	0.030101	0.5713493	0.7447453	6	0.89520588
ENSG00000105668	19	UPK1A	36157715	rs6510503	19	36143992	C	G	0.494036	0.010042	0.00806785	0.213245	0.638745	0.0968989	4.34E-11	0.0157215	0.012854	0.2212993	0.8750667	7	0.7166259
ENSG00000011590	19	ZBTB32	36195429	rs231588	19	36199020	T	C	0.484095	0.00839211	0.00805028	0.297197	0.672551	0.0882426	2.51E-14	0.012478	0.0120812	0.3016762	0.2843939	12	0.77272183
ENSG00000161265	19	U2AF1L4	36233365	rs12459634	19	36230174	C	T	0.157058	0.0243268	0.0147209	0.0984238	0.5579	0.0929506	1.95E-09	0.0436042	0.0273681	0.1111041	0.7370168	7	0.60330103
ENSG00000225872	19	AC002398.5	36279778	rs75120684	19	36288595	C	G	0.028827	0.0221798	0.0202265	0.272829	-0.924521	0.12407	9.22E-14	-0.0239906	0.0221134	0.2779717	0.4953192	6	0.75436188
ENSG00000161281	19	COX7A1	36641824	rs14100	19	36640769	C	T	0.955268	0.0139272	0.0275547	0.613251	0.948614	0.134014	1.46E-12	0.0146816	0.0291213	0.6141527	0.1685353	3	0.91218383
ENSG00000232677	19	LINC00665	36803969	rs2967501	19	36825029	C	T	0.631213	0.00377864	0.00838207	0.652134	-0.656486	0.0656619	1.56E-23	-0.0057559	0.0127811	0.6524633	0.7232032	20	0.92458065
ENSG00000233527	19	AC092295.7	37063972	rs3108208	19	37140528	T	C	0.599404	0.00069012	0.00835463	0.934167	-0.770492	0.0836219	3.14E-20	-0.0008957	0.0108437	0.9341692	0.8111796	19	0.99132464
ENSG00000198453	19	ZNF568	37407231	rs997516	19	37474264	C	T	0.151093	0.0105493	0.0108044	0.328873	0.439125	0.0791838	2.93E-08	0.0240235	0.0249828	0.3362511	0.2367178	13	0.79993575
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.26101	0.0842388	1.16E-50	-0.0050427	0.00675121	0.4551046	0.06296856	20	0.85502448
ENSG00000180458	19	CTD-3064H18.4	38036372	rs12151280	19	38067890	C	A	0.22167	0.0166532	0.00997028	0.0948637	-0.329439	0.0514847	1.57E-10	-0.0505502	0.0312785	0.1060658	0.6556382	4	0.59966108
ENSG00000196381	19	ZNF781	38158652	rs11671953	19	38180680	A	G	0.612326	-0.0016716	0.00811094	0.836724	-0.30967	0.0423585	2.66E-13	0.00539784	0.0262026	0.8367878	0.183231	20	0.96327684
ENSG00000198182	19	ZNF607	38187264	rs241947	19	38264891	C	T	0.785288	0.0131459	0.009741	0.177164	-0.490297	0.0880926	2.61E-08	-0.0268121	0.0204433	0.1896759	0.1346003	6	0.67986888
ENSG00000167644	19	C19orf33	38794801	rs11672219	19	38793596	C	G	0.182903	0.00432424	0.00969497	0.655576	-0.726603	0.0941796	1.21E-14	-0.0059513	0.0133652	0.6561133	0.3114321	20	0.92532717
ENSG00000196218	19	RYR1	38924339	rs73032627	19	39029132	G	A	0.0447316	0.00951624	0.0268273	0.722798	-0.937986	0.138428	1.24E-11	-0.0101454	0.0286401	0.7231611	0.08444734	10	0.93605801
ENSG00000268055	19	AC067969.2	39026157	rs73032627	19	39029132	G	A	0.0447316	0.00951624	0.0268273	0.722798	-0.967278	0.155051	4.42E-10	-0.0098382	0.0277796	0.7232263	0.298343	8	0.93605801
ENSG00000269486	19	CTC-360G5.9	39425976	rs1865049	19	39437560	G	A	0.667992	-0.0023076	0.00866337	0.789958	-0.638038	0.0742463	8.43E-18	0.00361674	0.0135847	0.7900565	0.1452447	20	0.94736216
ENSG00000269190	19	FBXO17	39432044	rs9403	19	39406167	G	C	0.392644	0.00011874	0.00813427	0.988354	0.384114	0.0699499	3.99E-08	0.00030912	0.0211768	0.9883537	0.5935178	4	0.9968577
ENSG00000161243	19	FBXO27	39481354	rs598468	19	39539632	A	G	0.362823	0.0003503	0.00862655	0.967609	-0.323564	0.0531628	1.16E-09	-0.0010826	0.0266616	0.9676097	0.3134849	9	0.99373886
ENSG00000183760	19	PAPL	39574553	rs481802	19	39573851	A	C	0.586481	-0.0147787	0.00818557	0.0710035	-0.37834	0.0670082	1.64E-08	0.039062	0.0227147	0.085491	0.9117144	4	0.57027956
ENSG00000130669	19	PAK4	39616410	rs1529712	19	39666967	T	C	0.576541	0.00264869	0.00833625	0.750689	0.355033	0.046408	2.01E-14	0.0074604	0.0235005	0.7508962	0.03204832	15	0.93846386
ENSG00000196235	19	SUPT5H	39926796	rs28620146	19	39985015	T	C	0.523857	0.00434957	0.00821981	0.596697	-0.2658	0.0393317	1.40E-11	-0.0163641	0.0310195	0.5978171	0.4721251	15	0.9057382
ENSG00000197782	19	ZNF780A	40575059	rs186815	19	40594335	A	C	0.0934394	-0.0245227	0.0139301	0.0783376	0.569952	0.101371	1.88E-08	-0.0430259	0.0256108	0.09295962	0.4980609	7	0.58407271
ENSG00000198077	19	CYP2A7	41381344	rs10411877	19	41410115	T	G	0.527833	-0.0034002	0.00809481	0.674452	0.595265	0.085701	3.76E-12	-0.0057121	0.0136235	0.6750117	0.3628919	13	0.93020759
ENSG00000105341	19	ATP5SL	41937223	rs878083	19	41897688	A	G	0.585487	-0.0031252	0.00839741	0.709771	0.596944	0.0713751	6.09E-17	-0.0052354	0.0140813	0.7100441	0.7531736	6	0.93556097
ENSG00000176531	19	PHLDB3	43979106	rs2599440	19	43987950	T	C	0.65507	6.44E-05	0.00881744	0.994175	0.415062	0.0563206	1.71E-13	0.0001551	0.0212437	0.9941746	0.9281207	16	0.99803567
ENSG00000073050	19	XRCC1	44047192	rs3213245	19	44079687	A	G	0.597416	0.00359659	0.00811474	0.657609	-0.329627	0.0583647	1.63E-08	-0.0109111	0.0246936	0.6585917	0.9533943	10	0.92641899
ENSG00000234465	19	PINLYP	44080952	rs8101200	19	44051558	A	G	0.0884692	-0.0222048	0.0160574	0.166713	-0.550345	0.091942	2.15E-09	0.0403471	0.0299454	0.1778669	0.02426347	6	0.65919056
ENSG00000104783	19	KCNN4	44270685	rs349054	19	44303427	T	C	0.10338	-0.0085075	0.012176	0.48473	0.397604	0.0701453	1.44E-08	-0.021397	0.0308552	0.4880187	0.183756	7	0.8628934
ENSG00000268601	19	AC115522.3	44298461	rs8109812	19	44298494	A	C	0.419483	0.00607261	0.0081441	0.455882	-0.615278	0.0910824	1.43E-11	-0.0098697	0.0133168	0.4586062	0.4161569	7	0.85502448
ENSG00000176222	19	ZNF404	44376515	rs108775	19	44405922	C	G	0.512922	-0.0039527	0.00806048	0.623866	-0.409864	0.0530364	1.09E-14	0.00964391	0.0197058	0.6245623	0.9776758	18	0.91490418
ENSG00000167384	19	ZNF180	44979854	rs2686767	19	44995037	G	C	0.444334	-5.85E-05	0.00822543	0.99433	0.490939	0.0669339	2.22E-13	-0.0001191	0.0167545	0.9943299	0.2105612	20	0.99803567
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.31101	0.117048	4.05E-29	-0.0047964	0.00773728	0.535315	0.9291487	13	0.87447889
ENSG00000234906	19	APOC2	45449243	rs11669173	19	45492559	A	G	0.514911	-0.0184629	0.00805963	0.0219756	-0.670031	0.0718198	1.07E-20	0.0275553	0.0123861	0.02610125	0.8110016	16	0.40738371
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.382735	0.0595711	1.32E-10	-0.0025883	0.0211072	0.9024045	0.9899515	3	0.98758999
ENSG00000104892	19	KLC3	45836692	rs12975413	19	45836525	C	T	0.354871	-0.005194	0.00829607	0.53126	0.430513	0.0638383	1.54E-11	-0.0120648	0.0193531	0.5330193	0.3789149	17	0.87447889
ENSG00000268401	19	CTC-344H19.4	46530912	rs12982683	19	46534284	A	G	0.336978	-0.0085299	0.00877421	0.330972	0.405275	0.058686	4.99E-12	-0.0210472	0.0218635	0.335715	0.03794508	5	0.79993575
ENSG00000169515	19	CCDC8	46913629	rs8100952	19	46938483	T	C	0.575547	0.0123234	0.0080953	0.127936	-0.421778	0.0461123	5.87E-20	-0.0292177	0.0194573	0.1331911	0.8308557	12	0.61757097
ENSG00000182013	19	PNMAL1	46969748	rs11083832	19	46970739	T	C	0.702783	0.00975686	0.00885488	0.270522	-0.244204	0.0260672	7.37E-21	-0.0399537	0.0365101	0.273815	0.7742283	20	0.75436188
ENSG00000245598	19	DACT3-AS1	47163621	rs314673	19	47194309	C	A	0.733598	-0.0280946	0.0090132	0.00182671	-0.800948	0.114059	2.18E-12	0.0350767	0.012312	0.00438581	0.7095306	16	0.2393289
ENSG00000105287	19	PRKD2	47177532	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.359599	0.0479282	6.24E-14	0.0636673	0.0244361	0.00917519	0.00538513	10	0.29864866
ENSG00000243560	19	RN7SL364P	47192056	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.672118	0.0974531	5.32E-12	0.0340635	0.0132177	0.00996318	0.07318029	6	0.30378948
ENSG00000134815	19	DHX34	47852538	rs2694543	19	47893669	G	A	0.17495	0.0031396	0.0100142	0.753888	0.418787	0.0575957	3.56E-13	0.00749689	0.0239346	0.7541107	0.6201016	20	0.93884925
ENSG00000105483	19	CARD8	48684027	rs116950953	19	48732930	T	C	0.0427435	0.0637044	0.0283751	0.0247628	-0.528488	0.0710117	9.90E-14	-0.120541	0.0560809	0.03160195	0.05483697	10	0.44256713
ENSG00000105479	19	CCDC114	48799714	rs438767	19	48863386	T	C	0.592445	-0.0001309	0.00850202	0.987719	0.384172	0.0650409	3.49E-09	-0.0003406	0.0221308	0.9877193	0.8198789	8	0.99662399
ENSG00000232871	19	SEC1P	49141328	rs4365394	19	49145513	T	C	0.732604	0.00254457	0.00841135	0.762258	0.731061	0.0984322	1.11E-13	0.00348065	0.0115152	0.7624496	0.4267904	13	0.94139208
ENSG00000142233	19	NTN5	49164664	rs601338	19	49206674	A	G	0.441352	0.00988338	0.00831758	0.234735	0.377081	0.0615793	9.15E-10	0.0262102	0.0224693	0.2434152	0.7263485	13	0.73372296
ENSG00000176920	19	FUT2	49199228	rs838145	19	49248730	A	G	0.581511	-0.0084806	0.0084855	0.31759	-0.433337	0.0637358	1.05E-11	0.0195704	0.0197922	0.3227626	0.9576753	20	0.78881178
ENSG00000176909	19	MAMSTR	49215999	rs676388	19	49211969	C	T	0.470179	0.00700955	0.00818607	0.391845	0.381927	0.0685645	2.54E-08	0.0183531	0.0216854	0.397365	0.9090864	15	0.82778514
ENSG00000087076	19	HSD17B14	49316274	rs8110220	19	49339098	C	T	0.267396	-0.0021664	0.00918945	0.81363	-0.707117	0.0567445	1.21E-35	0.00306367	0.012998	0.813663	0.00298494	20	0.9566283
ENSG00000104818	19	CGB2	49535169	rs3810177	19	49535024	C	T	0.305169	-0.0002564	0.00847298	0.975855	0.687086	0.0889233	1.10E-14	-0.0003732	0.0123319	0.9758557	0.7520435	12	0.99631719
ENSG00000074219	19	TEAD2	49843852	rs3745306	19	49863041	G	C	0.259443	-0.0126842	0.00872912	0.146198	0.369048	0.0508157	3.80E-13	-0.0343701	0.0241219	0.1542006	0.7022201	8	0.64645901
ENSG00000161618	19	ALDH16A1	49956426	rs2335183	19	49957010	T	C	0.751491	-0.0141771	0.00873574	0.104614	-0.640906	0.0691067	1.79E-20	0.0221204	0.0138374	0.1099109	0.00066318	8	0.60289081
ENSG00000142534	19	RPS11	49999622	rs17555056	19	49999647	G	C	0.130219	-0.0098188	0.013582	0.469726	-0.190701	0.0334301	1.17E-08	0.0514878	0.0717911	0.4732575	0.9887843	3	0.85664168
ENSG00000039650	19	PNKP	50364461	rs2257103	19	50370066	T	C	0.406561	0.00596491	0.00831595	0.473198	0.410381	0.0541234	3.39E-14	0.0145351	0.0203544	0.475167	0.4614922	7	0.85676979
ENSG00000161640	19	SIGLEC11	50452242	rs8103552	19	50458931	A	C	0.242545	0.00051116	0.0101815	0.959959	0.536203	0.0817551	5.43E-11	0.0009533	0.0189887	0.9599602	0.5359913	3	0.99132464
ENSG00000161643	19	SIGLEC16	50472857	rs7507392	19	50470850	T	C	0.171968	-0.0035156	0.0113868	0.757518	0.596539	0.108909	4.32E-08	-0.0058933	0.0191184	0.7578909	0.4847398	6	0.93920309
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.624573	0.0702405	6.01E-19	0.0152595	0.014154	0.2809854	0.03163472	10	0.75586089
ENSG00000204653	19	ASPDH	51014857	rs2607238	19	51019404	T	C	0.684891	0.00050582	0.00864702	0.953353	-0.406947	0.0601982	1.38E-11	-0.001243	0.0212493	0.953355	0.6687242	14	0.99132464
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.821728	0.0923793	5.83E-19	0.00894917	0.0112506	0.4263595	0.8925192	7	0.85416275
ENSG00000142549	19	IGLON5	51815102	rs192435	19	51804020	T	C	0.497018	0.00251427	0.00808823	0.755912	0.32002	0.0547965	5.22E-09	0.0078566	0.0253099	0.7562446	0.2181619	11	0.93884925
ENSG00000262874	19	CTD-2616J11.4	51891543	rs7257275	19	51893931	G	C	0.152087	0.00378997	0.012936	0.76954	0.76328	0.110081	4.10E-12	0.00496537	0.016963	0.7697382	0.870828	4	0.94219749
ENSG00000254415	19	SIGLEC14	52145806	rs112456998	19	52125447	T	C	0.109344	0.0112439	0.0113129	0.320271	-0.674605	0.104522	1.09E-10	-0.0166674	0.0169673	0.3259414	0.00251219	8	0.78892126
ENSG00000243469	19	RPL7P51	52152115	rs872629	19	52130638	A	C	0.124254	-0.0073576	0.010921	0.500496	1.13968	0.125315	9.50E-20	-0.0064558	0.00960877	0.5016686	0.07367049	12	0.87041275
ENSG00000161551	19	ZNF577	52359055	rs8107969	19	52376952	A	T	0.389662	-0.0018287	0.008437	0.828402	-0.479142	0.0625301	1.82E-14	0.0038167	0.0176156	0.8284689	0.152966	20	0.96118184
ENSG00000198093	19	ZNF649	52392477	rs11667971	19	52407694	A	G	0.100398	0.00383114	0.0140436	0.785004	-0.806237	0.112215	6.73E-13	-0.0047519	0.0174313	0.7851555	0.488345	20	0.94647669
ENSG00000269235	19	HCCAT3	52452387	rs7246064	19	52442262	T	C	0.151093	-0.0010387	0.0113297	0.926952	0.775643	0.0974123	1.69E-15	-0.0013392	0.0146078	0.9269576	0.3484765	20	0.9909256
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	1.05893	0.0731752	1.84E-47	0.00855868	0.0078411	0.2750462	0.2727848	12	0.75436188
ENSG00000167555	19	ZNF528	52901102	rs162123	19	52917626	G	A	0.762425	-0.0017064	0.00925264	0.853681	0.556443	0.0514704	3.06E-27	-0.0030666	0.0166306	0.8537026	0.4889793	18	0.97158171
ENSG00000198633	19	ZNF534	52932440	rs80078717	19	52928725	G	A	0.0894632	-0.017851	0.0164648	0.278279	1.00642	0.100642	1.52E-23	-0.0177371	0.0164556	0.2810895	0.2602684	13	0.75586089
ENSG00000167766	19	ZNF83	53097313	rs73934857	19	53210250	A	G	0.0228628	-0.0142947	0.0516936	0.782143	-1.28619	0.197143	6.84E-11	0.011114	0.0402273	0.7823335	0.3177065	3	0.94647669
ENSG00000268225	19	CTD-2331H12.5	53365060	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.447372	0.0566583	2.88E-15	-0.0259111	0.0189027	0.1704486	0.5275195	18	0.65919056
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.573723	0.0473872	9.68E-34	-0.0202047	0.0146115	0.1667291	0.4552346	20	0.65566494
ENSG00000180257	19	ZNF816	53430388	rs12979823	19	53478392	A	G	0.0506958	0.0200144	0.0172067	0.244759	0.921429	0.154726	2.60E-09	0.021721	0.0190268	0.2536192	0.9472463	6	0.74108855
ENSG00000242779	19	ZNF702P	53471504	rs329744	19	53541112	A	C	0.827038	-0.0097736	0.010364	0.345663	-0.836617	0.103197	5.19E-16	0.0116823	0.0124715	0.348902	0.2117882	4	0.81017963
ENSG00000170949	19	ZNF160	53569859	rs12985137	19	53617818	T	C	0.579523	0.0131474	0.00810928	0.104957	0.360869	0.061573	4.61E-09	0.0364326	0.0233155	0.1181485	0.1854122	16	0.61071871
ENSG00000269001	19	ZNF818P	53716241	rs11673357	19	53700807	C	T	0.798211	-0.0108801	0.00952774	0.253481	-0.522779	0.0710221	1.83E-13	0.020812	0.0184432	0.259134	0.0279186	13	0.7469573
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-1.0816	0.103107	9.59E-26	0.0035433	0.00954573	0.7104948	0.6566898	20	0.93556097
ENSG00000213777	19	CTD-2224J9.8	54006646	rs2708824	19	54006497	A	G	0.744533	-0.006851	0.00945058	0.468495	-0.680162	0.0962351	1.58E-12	0.0100726	0.0139675	0.4708199	0.3914727	14	0.85568282
ENSG00000170906	19	NDUFA3	54606036	rs56049745	19	54603648	A	G	0.0994036	0.0176864	0.0130639	0.175789	0.292428	0.0511321	1.07E-08	0.0604812	0.0459086	0.1876953	0.01075073	4	0.67814569
ENSG00000167608	19	TMC4	54663846	rs653560	19	54677103	G	C	0.2167	-0.0029496	0.00992907	0.766419	0.689673	0.0676027	1.95E-24	-0.0042768	0.0144029	0.7665144	0.2455831	20	0.94202502
ENSG00000125505	19	MBOAT7	54677107	rs653560	19	54677103	G	C	0.2167	-0.0029496	0.00992907	0.766419	-0.246899	0.042626	6.95E-09	0.0119464	0.040268	0.7667161	0.1733972	10	0.94202502
ENSG00000170889	19	RPS9	54704610	rs35740980	19	54713254	A	C	0.422465	-0.0057883	0.00820889	0.480729	-0.302812	0.0366222	1.36E-16	0.0191153	0.0272073	0.4823172	0.1106572	10	0.85953488
ENSG00000244482	19	LILRA6	54720737	rs62133061	19	54701848	T	A	0.419483	-0.0067342	0.00833983	0.419391	0.480845	0.07525	1.66E-10	-0.014005	0.017482	0.4230689	0.1237812	6	0.85396242
ENSG00000267838	19	AC008746.12	54949847	rs111257921	19	54948808	T	A	0.304175	0.00090988	0.00936767	0.922623	-0.402203	0.0552737	3.42E-13	-0.0022623	0.023293	0.9226299	0.9886968	19	0.99020512
ENSG00000104970	19	KIR3DX1	55043909	rs272409	19	55110405	T	C	0.027833	0.00545712	0.0206962	0.792029	1.14487	0.164049	2.98E-12	0.00476658	0.0180902	0.7921734	0.5649193	11	0.94736216
ENSG00000022556	19	NLRP2	55464498	rs269914	19	55483013	C	G	0.729622	0.00298895	0.00902248	0.740433	0.786484	0.0873873	2.26E-19	0.0038004	0.0114797	0.7406038	0.7658386	20	0.93605801
ENSG00000267265	19	CTC-550B14.7	55517561	rs514148	19	55474502	G	A	0.432406	-0.0026768	0.00823073	0.745013	0.555265	0.0745449	9.42E-14	-0.0048208	0.0148372	0.7452487	0.8629061	20	0.93687539
ENSG00000125503	19	PPP1R12C	55602281	rs75790451	19	55637610	A	G	0.116302	-0.0033971	0.0118292	0.773975	-0.338088	0.0593996	1.26E-08	0.010048	0.035033	0.7742538	0.4911603	5	0.94408015
ENSG00000108107	19	RPL28	55896713	rs17700376	19	55897327	G	A	0.37674	0.0024536	0.008364	0.769253	-0.223899	0.0301219	1.06E-13	-0.0109585	0.0373852	0.7694272	0.7370477	9	0.94219749
ENSG00000179954	19	SSC5D	55999771	rs62130160	19	56000896	T	G	0.184891	-0.0202558	0.0107051	0.0584696	0.700776	0.0949884	1.61E-13	-0.0289048	0.0157705	0.06682628	0.5924672	6	0.53758036
ENSG00000267522	19	CTD-2621I17.6	56578050	rs494190	19	56577994	G	A	0.0884692	0.0324591	0.0132912	0.0145999	0.828697	0.123209	1.74E-11	0.0391688	0.0170632	0.02170354	0.04791473	5	0.38719205
ENSG00000267454	19	ZNF582-AS1	56905025	rs59858465	19	56912996	G	A	0.498012	-0.0029438	0.00820143	0.71964	-0.409839	0.0659495	5.15E-10	0.00718289	0.0200447	0.720086	0.2846595	10	0.93605801
ENSG00000198046	19	ZNF667	56950694	rs10413986	19	56983930	G	A	0.15507	-0.0110619	0.0137144	0.4199	0.239529	0.0434116	3.44E-08	-0.0461819	0.0578642	0.4248081	0.419743	4	0.85416275
ENSG00000166770	19	ZNF667-AS1	56988619	rs3971706	19	57006069	A	G	0.72167	-0.008557	0.00831014	0.303147	-0.509533	0.0583739	2.57E-18	0.0167938	0.0164224	0.3064888	0.07313135	19	0.77648702
ENSG00000196263	19	ZNF471	57019212	rs993510	19	57046781	T	A	0.49006	-0.0141578	0.00809993	0.0804822	-0.263603	0.0443544	2.80E-09	0.0537088	0.0320291	0.0935673	0.7425667	5	0.58407271
ENSG00000269696	19	AC007228.11	57056935	rs2215151	19	57043981	T	G	0.281312	-0.0203395	0.00898657	0.0236157	0.80043	0.0822187	2.13E-22	-0.0254107	0.0115266	0.02748713	0.2058734	20	0.40738371
ENSG00000105146	19	AURKC	57742377	rs8111661	19	57752326	G	C	0.579523	-0.0056653	0.00812083	0.485414	-0.580242	0.0893781	8.47E-11	0.00976362	0.0140762	0.4879158	0.7806366	8	0.8628934
ENSG00000131845	19	ZNF304	57862675	rs862703	19	57865082	C	T	0.710736	-0.0075504	0.0086202	0.381086	0.395352	0.0558337	1.43E-12	-0.0190979	0.02197	0.3846984	0.5845908	11	0.82379596
ENSG00000186272	19	ZNF17	57922531	rs28660398	19	57935028	C	T	0.270378	0.00813081	0.00869389	0.349668	-0.524073	0.0846332	5.93E-10	-0.0155147	0.0167772	0.3550985	0.352606	9	0.81071725
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	1.0323	0.0603566	1.40E-65	-0.0009472	0.0078353	0.9037821	0.7620137	20	0.9879812
ENSG00000268266	19	AC003005.2	57989017	rs12977532	19	57984037	A	G	0.352883	-0.0278476	0.0089032	0.00176108	-0.791799	0.0979902	6.46E-16	0.03517	0.0120573	0.00353514	0.7420281	12	0.23805783
ENSG00000105136	19	ZNF419	57999079	rs12461717	19	58009020	G	A	0.682903	-0.0020721	0.00913606	0.820578	-0.581388	0.0701305	1.13E-16	0.00356402	0.0157201	0.8206434	0.7127101	14	0.95876638
ENSG00000121406	19	ZNF549	58038693	rs2285668	19	58062274	T	C	0.271372	-0.0001998	0.00988255	0.983872	0.325909	0.0439264	1.18E-13	-0.000613	0.0303231	0.9838724	0.0501643	12	0.99662399
ENSG00000171649	19	ZIK1	58089824	rs727963	19	58090818	A	C	0.0805169	0.00498458	0.0169252	0.768371	-0.589621	0.102066	7.61E-09	-0.0084539	0.0287425	0.7686628	0.1310852	7	0.94219749
ENSG00000083828	19	ZNF586	58281023	rs7255898	19	58313576	A	G	0.593439	0.0152914	0.008163	0.0610323	0.426354	0.0721159	3.38E-09	0.0358655	0.0200842	0.07413822	0.2148092	11	0.54762401
ENSG00000178935	19	ZNF552	58315209	rs55658516	19	58301410	C	T	0.365805	0.0169075	0.00820446	0.0393251	0.50033	0.086117	6.25E-09	0.0337927	0.0173991	0.05211157	0.7558883	6	0.52157942
ENSG00000204514	19	ZNF814	58360099	rs8103104	19	58355699	C	T	0.383698	0.0155964	0.00814226	0.0554307	-0.334584	0.0425866	3.95E-15	-0.0466143	0.0250483	0.06274755	0.6548401	20	0.53416173
ENSG00000269867	19	CTD-2583A14.8	58378406	rs2012034	19	58380385	C	T	0.2833	0.00606795	0.00847922	0.474222	0.481213	0.0697971	5.41E-12	0.0126097	0.0177152	0.4765875	0.1778478	7	0.85676979
ENSG00000270804	19	CTD-2583A14.11	58379253	rs11084521	19	58382542	G	C	0.287276	0.00626483	0.00848203	0.46015	0.658813	0.077117	1.31E-17	0.00950927	0.0129227	0.4618188	0.04527046	20	0.85502448
ENSG00000196724	19	ZNF418	58433252	rs58182062	19	58426941	T	C	0.250497	0.00632085	0.00855086	0.459782	-0.392556	0.0618291	2.17E-10	-0.0161018	0.0219297	0.4627985	0.0588683	12	0.85502448
ENSG00000243234	19	CTD-2583A14.1	58464526	rs11084525	19	58485189	G	T	0.225646	0.028844	0.00949378	0.00237996	0.572261	0.100926	1.43E-08	0.0504036	0.0188215	0.00740664	0.5719334	5	0.28561033
ENSG00000177025	19	C19orf18	58469805	rs11084525	19	58485189	G	T	0.225646	0.028844	0.00949378	0.00237996	0.357409	0.064844	3.55E-08	0.0807031	0.0303309	0.00779661	0.05429241	10	0.28561033
ENSG00000176593	19	CTD-2368P22.1	58513429	rs1035522	19	58510932	C	T	0.703777	0.0158274	0.00885709	0.0739418	-0.403795	0.0579617	3.25E-12	-0.0391966	0.0226447	0.08346279	0.04978031	16	0.57012048
ENSG00000268660	19	LETM1P2	58555960	rs159870	19	58549366	G	C	0.734592	-0.0127976	0.00880718	0.146199	0.442088	0.06881	1.32E-10	-0.0289481	0.020425	0.1563981	0.2239682	5	0.64842413
ENSG00000121413	19	ZSCAN18	58595205	rs2014592	19	58593174	G	A	0.765408	-0.0022319	0.00919611	0.808236	0.422843	0.0468126	1.68E-19	-0.0052783	0.0217561	0.8083045	0.9879299	10	0.95458349
ENSG00000198131	19	ZNF544	58739960	rs439333	19	58783027	A	T	0.553678	0.00219636	0.00812496	0.786912	-0.358105	0.0614352	5.58E-09	-0.0061333	0.0227131	0.7871354	0.5632602	12	0.94647669
ENSG00000121410	19	A1BG	58856544	rs1265960	19	58859822	A	G	0.932406	-0.0157419	0.0201355	0.434333	0.511147	0.0931193	4.04E-08	-0.0307972	0.0397903	0.4389382	0.2407183	8	0.85502448
ENSG00000171574	19	ZNF584	58912871	rs56390031	19	58998327	G	A	0.257455	0.00636364	0.00866791	0.462851	0.331099	0.0516541	1.46E-10	0.0192197	0.0263504	0.4657618	0.616559	11	0.85502448
ENSG00000083807	19	SLC27A5	58990879	rs73066226	19	59008213	C	T	0.187873	-0.0181579	0.0103697	0.0799374	0.330353	0.0571068	7.26E-09	-0.0549651	0.0327963	0.0937469	0.2721839	10	0.58407271
ENSG00000213753	19	RPL23AP79	59084870	rs895374	19	59066918	C	A	0.596421	-0.0073105	0.00848721	0.389044	0.690617	0.0631379	7.57E-28	-0.0105854	0.0123274	0.3905092	0.6127196	20	0.82705257
ENSG00000101255	20	TRIB3	361261	rs62191440	20	360225	C	A	0.437376	0.00621094	0.00809408	0.442877	0.565124	0.062686	1.97E-19	0.0109904	0.0143745	0.4445223	0.8172637	20	0.85502448
ENSG00000125818	20	PSMF1	1093906	rs45443791	20	1115681	T	C	0.126243	0.0157101	0.0135843	0.247481	-0.501281	0.0794683	2.83E-10	-0.0313399	0.0275508	0.255317	0.9339901	5	0.74148168
ENSG00000125895	20	TMEM74B	1161205	rs73577451	20	1172157	G	T	0.0795229	0.0132915	0.0236091	0.573447	0.41917	0.06767	5.85E-10	0.0317091	0.0565556	0.5750217	0.6346344	5	0.89639273
ENSG00000101307	20	SIRPB1	1544167	rs4813331	20	1897442	T	C	0.374751	-0.001907	0.0083717	0.819812	1.09433	0.0780669	1.21E-44	-0.0017426	0.00765108	0.8198356	0.9999708	20	0.95828989
ENSG00000230839	20	RP5-968J1.1	1784662	rs200895	20	1789798	C	G	0.653082	-0.0173099	0.00833653	0.0378582	0.49365	0.0804917	8.63E-10	-0.0350651	0.0178292	0.04921437	0.1579279	5	0.50903098
ENSG00000226644	20	RP11-128M1.1	2187863	rs2295571	20	2188163	A	C	0.918489	0.00837988	0.0217539	0.700079	-0.660611	0.115935	1.21E-08	-0.012685	0.0330051	0.7007298	0.4238768	3	0.93402459
ENSG00000185019	20	UBOX5	3088219	rs3827132	20	3138280	A	C	0.427435	0.0165286	0.00817788	0.0432653	0.323924	0.0541108	2.15E-09	0.0510262	0.0266464	0.0555006	0.3219621	9	0.52780415
ENSG00000125877	20	ITPA	3189514	rs7270101	20	3193893	C	A	0.129225	-0.0024956	0.0146584	0.864813	-0.726037	0.0727077	1.76E-23	0.00343729	0.0201925	0.8648326	0.05500825	20	0.9765182
ENSG00000088836	20	SLC4A11	3208063	rs6051845	20	3402792	C	T	0.303181	0.0171447	0.00924696	0.0637265	0.461918	0.0708064	6.86E-11	0.0371163	0.0208114	0.07451153	0.03879664	8	0.54762401
ENSG00000088854	20	C20orf194	3229951	rs6051783	20	3338118	A	C	0.215706	0.0278927	0.01186	0.0186819	0.352347	0.05159	8.51E-12	0.0791626	0.0355998	0.02616978	0.00123477	17	0.40738371
ENSG00000132622	20	HSPA12B	3713314	rs45495794	20	3734167	C	T	0.0596421	-0.0759165	0.0238023	0.00142538	1.471	0.141599	2.80E-25	-0.0516088	0.0169265	0.00229608	0.5000235	4	0.21373776
ENSG00000101222	20	SPEF1	3758151	rs6084459	20	3751900	C	T	0.482107	-0.0026592	0.00844019	0.752712	0.229352	0.0387705	3.31E-09	-0.0115944	0.0368523	0.7530507	0.8614167	4	0.93884925
ENSG00000101236	20	RNF24	3907956	rs6116153	20	3996208	T	C	0.446322	-0.0211003	0.00807461	0.00897078	-0.459042	0.0526138	2.67E-18	0.0459659	0.0183622	0.01230427	0.08147957	20	0.33092283
ENSG00000089063	20	TMEM230	5080486	rs2715	20	5081049	C	T	0.548708	0.00115186	0.00814015	0.887472	0.371985	0.0488366	2.60E-14	0.00309652	0.0218868	0.8874915	0.1952867	10	0.9818645
ENSG00000101290	20	CDS2	5107432	rs6053188	20	5174039	T	C	0.457256	-0.0074023	0.00826433	0.37042	0.340793	0.0382249	4.86E-19	-0.0217207	0.0243724	0.3728216	0.6441917	19	0.81772721
ENSG00000226995	20	LINC00658	5407541	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	1.05502	0.134315	4.00E-15	0.0157721	0.014494	0.2765142	0.5684905	7	0.75436188
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	0.928092	0.100463	2.51E-20	0.00352364	0.0106329	0.7403489	0.8756183	8	0.93605801
ENSG00000205181	20	LINC00654	5476713	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	0.970284	0.105088	2.63E-20	0.0171495	0.0157179	0.2752379	0.5366521	5	0.75436188
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.454191	0.063165	6.45E-13	0.00703074	0.0217532	0.7465402	0.7184079	8	0.93687539
ENSG00000101251	20	SEL1L2	13829893	rs6110093	20	13927834	A	G	0.173956	0.0166612	0.0107921	0.122627	0.663309	0.0936205	1.39E-12	0.0251183	0.0166519	0.1314425	0.3403148	14	0.61757097
ENSG00000125871	20	MGME1	17949556	rs55776024	20	17963860	C	T	0.136183	0.0206129	0.0154308	0.181605	-0.385837	0.067945	1.36E-08	-0.0534239	0.0410847	0.1934862	0.1174802	8	0.68437166
ENSG00000101310	20	SEC23B	18488137	rs6045505	20	18592900	G	A	0.925447	0.00754908	0.0148366	0.610882	-0.626408	0.0738507	2.21E-17	-0.0120514	0.0237278	0.6115223	0.1123466	20	0.91209617
ENSG00000232388	20	LINC00493	18548064	rs2424211	20	18456635	A	G	0.110338	-0.0019353	0.0120671	0.872583	-0.355819	0.0568508	3.88E-10	0.00543897	0.0339247	0.8726253	0.1237976	20	0.977264
ENSG00000125821	20	DTD1	18568537	rs67039652	20	18567354	C	T	0.621272	0.00679297	0.00812889	0.403347	0.248136	0.0416555	2.57E-09	0.027376	0.0330806	0.4079229	0.09601693	18	0.83733092
ENSG00000234646	20	RP4-753D10.3	23012179	rs6082981	20	23011278	C	T	0.411531	-0.0190041	0.00824273	0.0211354	0.653783	0.0820523	1.61E-15	-0.0290679	0.0131249	0.02678019	0.3201937	14	0.40738371
ENSG00000132671	20	SSTR4	23016057	rs6082981	20	23011278	C	T	0.411531	-0.0190041	0.00824273	0.0211354	0.369843	0.0603394	8.82E-10	-0.0513842	0.0238116	0.03093203	0.9461611	5	0.43705301
ENSG00000232645	20	RP3-322G13.5	23337231	rs4813491	20	23338089	G	C	0.302187	0.0157171	0.00881034	0.0744338	0.426742	0.074008	8.11E-09	0.0368305	0.0216111	0.08833631	0.9498002	8	0.57027956
ENSG00000100987	20	VSX1	25051521	rs62217196	20	25050251	C	G	0.22167	-0.0100839	0.0101973	0.322721	-0.426189	0.0602419	1.50E-12	0.0236606	0.0241593	0.327403	0.3047485	11	0.79101565
ENSG00000100994	20	PYGB	25228705	rs1118963	20	25247449	A	G	0.427435	-0.0028537	0.00810305	0.724706	-0.272955	0.0487412	2.14E-08	0.0104548	0.029745	0.725227	0.5254628	12	0.93605801
ENSG00000100997	20	ABHD12	25275379	rs6132845	20	25547767	G	A	0.482107	0.0011052	0.00805247	0.890833	0.233339	0.0345193	1.38E-11	0.00473646	0.0345169	0.8908557	0.2108833	20	0.98276692
ENSG00000175170	20	FAM182B	25744102	rs2424750	20	25978849	A	C	0.599404	-0.0112209	0.00822069	0.172267	0.897218	0.0928129	4.17E-22	-0.0125063	0.00925331	0.1765187	0.2904531	20	0.65919056

ENSG00000125804	20	FAM182A	26035291	rs6138803	20	26096555	G	T	0.258449	-0.0047226	0.0101304	0.641083	-1.07793	0.121661	7.99E-19	0.00438119	0.00941101	0.6415455	0.3516652	20	0.92253135
ENSG00000205611	20	RP4-610C12.4	29513582	rs6119125	20	29641570	C	G	0.522863	-0.0187987	0.00809703	0.0202502	0.495848	0.0792351	3.90E-10	-0.0379122	0.0174172	0.0295025	0.9550882	20	0.42832758
ENSG00000238151	20	MLLT10P1	29637799	rs6119047	20	29574340	A	G	0.149105	-0.0036042	0.00991427	0.716201	0.839813	0.124421	1.48E-11	-0.0042917	0.0118224	0.7165948	0.6867381	12	0.93605801
ENSG00000198547	20	C20orf203	31219428	rs112089953	20	31275239	T	C	0.242545	-0.0016673	0.00983722	0.865416	0.624521	0.0668133	9.00E-21	-0.0026697	0.0157542	0.865438	0.5990236	20	0.9765182
ENSG00000149600	20	COMMD7	31290493	rs4911106	20	31331330	G	A	0.408549	0.00819629	0.00809415	0.311243	0.196225	0.0349868	2.04E-08	0.0417699	0.0419163	0.3190038	0.183581	10	0.78571753
ENSG00000101460	20	MAP1LC3A	33134658	rs2295444	20	33173883	T	C	0.49503	-2.64E-05	0.00812702	0.997405	0.227294	0.0395738	9.27E-09	-0.0001163	0.0357555	0.997405	0.4281526	20	0.99803567
ENSG00000126005	20	MMP24-AS1	33804265	rs8117162	20	33869167	C	T	0.201789	0.0202639	0.00964254	0.0355959	-0.528554	0.0568673	1.48E-20	-0.0383384	0.0187037	0.04038695	0.7120354	12	0.47167785
ENSG00000224497	20	RPL36P4	34132175	rs60517948	20	34124336	C	A	0.147117	0.00199119	0.0142062	0.88853	0.997343	0.0955323	1.63E-25	0.00199649	0.0142453	0.8885408	0.4278726	20	0.9818645
ENSG00000214078	20	CPNE1	34213953	rs6060643	20	34449851	T	C	0.107356	0.00892148	0.0146532	0.542628	-0.769957	0.0698354	2.89E-28	-0.011587	0.0190602	0.5432435	0.7624106	20	0.88006291
ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.11095	0.0919712	1.36E-33	0.00356586	0.00994704	0.719981	0.4101032	20	0.93605801
ENSG00000196756	20	SNHG17	37049235	rs788347	20	37062583	T	C	0.159046	0.0114055	0.0110916	0.30381	1.35494	0.0877098	7.78E-54	0.00841772	0.00820416	0.3048774	0.6777399	20	0.77629684
ENSG00000229771	20	RP4-644L1.2	39326535	rs6102201	20	39519806	T	A	0.55169	0.00444825	0.00814732	0.585081	-0.78	0.0849509	4.24E-20	-0.0057029	0.0104637	0.5857436	0.7226461	19	0.89819694
ENSG00000132793	20	LPIN3	39969560	rs16985665	20	39968988	G	A	0.192843	0.00346432	0.00973352	0.721903	0.312456	0.0572934	4.94E-08	0.0110874	0.0312179	0.722469	0.07790377	6	0.93605801
ENSG00000183798	20	EMILIN3	39988606	rs4810317	20	40023046	T	C	0.213718	0.00623052	0.00862337	0.469977	-0.671366	0.0870185	1.21E-14	-0.0092804	0.0129007	0.4719141	0.09171691	20	0.85664168
ENSG00000196839	20	ADA	43248163	rs6103815	20	43299464	G	A	0.17992	-0.0024321	0.0106154	0.818784	0.48696	0.0730421	2.61E-11	-0.0049944	0.0218122	0.8188888	0.4634394	7	0.95828989
ENSG00000101104	20	PABPC1L	43538703	rs16989474	20	43522725	G	A	0.287276	-0.0296735	0.00940353	0.00160181	-0.3127	0.0420455	1.03E-13	0.0948945	0.032667	0.00367366	0.8005171	8	0.2393289
ENSG00000124107	20	SLPI	43880880	rs1883829	20	43891253	C	G	0.250497	0.00921366	0.00856369	0.281973	-0.493065	0.085845	9.26E-09	-0.0186865	0.0176704	0.2902811	0.5482316	7	0.76497892
ENSG00000124116	20	WFDC3	44376583	rs6032548	20	44425837	G	C	0.657058	-0.0071994	0.00853688	0.399048	1.02922	0.0732346	7.31E-45	-0.006995	0.00830943	0.3998948	0.3762233	20	0.83103548
ENSG00000225849	20	MKRN7P	45092541	rs6011967	20	45095161	C	T	0.0596421	-0.0003255	0.0182511	0.98577	1.05293	0.105718	2.28E-23	-0.0003092	0.0173337	0.98577	0.2600573	6	0.99662399
ENSG00000158296	20	SLC13A3	45186463	rs6066018	20	45175457	A	T	0.193837	0.00084174	0.0109753	0.938867	0.477859	0.0753994	2.33E-10	0.00176149	0.0229693	0.9388712	0.5144152	6	0.99132464
ENSG00000237595	20	RP11-112L6.3	48780001	rs1974106	20	48780137	A	T	0.338966	0.00507058	0.00848818	0.55026	0.667048	0.0736997	1.42E-19	0.00760152	0.0127527	0.5511267	0.2362065	15	0.88409326
ENSG00000231742	20	RP11-112L6.4	48789087	rs6122884	20	48789388	G	A	0.345924	0.00624765	0.00847793	0.461165	0.707758	0.0830774	1.61E-17	0.00882738	0.0120233	0.4628333	0.661496	7	0.85502448
ENSG00000019186	20	CYP24A1	52769988	rs2259735	20	52788314	C	T	0.420477	-0.0055553	0.0083262	0.504642	-0.464233	0.0611969	3.30E-14	0.0119666	0.0180046	0.5062815	0.05844112	8	0.87041275
ENSG00000124164	20	VAPB	56964178	rs3787147	20	57012941	C	G	0.392644	-0.0088107	0.00807566	0.275264	0.368021	0.0491782	7.24E-14	-0.0239408	0.0221755	0.2803172	0.1016697	11	0.75586089
ENSG00000101158	20	NELFCD	57556263	rs6070690	20	57574816	C	G	0.190855	-0.0027002	0.00968677	0.780435	-0.434589	0.0699384	5.17E-10	0.00621323	0.0223119	0.7806506	0.6720502	5	0.94646204
ENSG00000176659	20	C20orf197	58630980	rs77388520	20	58661234	G	A	0.109344	-0.0118457	0.012555	0.345424	0.963548	0.119494	7.41E-16	-0.0122938	0.0131189	0.3487012	0.7258141	3	0.81017963
ENSG00000101181	20	MTG2	60758085	rs6062133	20	60768615	A	G	0.135189	-0.0132231	0.0104603	0.206189	0.709218	0.0845422	4.91E-17	-0.0186446	0.0149156	0.2112959	0.6349822	6	0.70128891
ENSG00000101188	20	NTSR1	61340189	rs35927656	20	61342535	C	T	0.477137	-0.0094427	0.0082197	0.250643	-0.314405	0.0562022	2.22E-08	0.0300336	0.0266892	0.2604587	0.9579525	5	0.74737243
ENSG00000060491	20	OGFR	61436187	rs6011380	20	61427085	C	A	0.449304	-0.0001889	0.0083052	0.981854	-0.345838	0.0440245	3.98E-15	0.0005462	0.0240148	0.9818543	0.7387152	20	0.99662399
ENSG00000101190	20	TCFL5	61472467	rs1980500	20	61473841	C	T	0.274354	0.0195559	0.00915807	0.0327303	0.499984	0.0509245	9.41E-23	0.0391131	0.0187449	0.03692497	0.2860243	10	0.45477223
ENSG00000231133	20	HAR1B	61726845	rs6090242	20	61738232	A	C	0.327038	0.0164527	0.00856162	0.0546462	0.398296	0.0658434	1.46E-09	0.0413077	0.0225542	0.06702814	0.5475542	12	0.53758036
ENSG00000225978	20	HAR1A	61733483	rs3746746	20	61735112	C	A	0.258449	-0.0143809	0.00940234	0.12614	-0.540444	0.0632139	1.24E-17	0.0266094	0.0176736	0.1321703	0.2479912	12	0.61757097
ENSG00000101198	20	NKAIN4	61872136	rs75829408	20	61883367	T	C	0.0914513	-0.0212714	0.0172104	0.216471	0.681057	0.0737359	2.55E-20	-0.0312329	0.0254954	0.2205591	0.4771465	20	0.71596877
ENSG00000101204	20	CHRNA4	61975420	rs45577639	20	61983311	A	G	0.230616	0.0294331	0.0101616	0.00377355	0.47642	0.0689452	4.84E-12	0.0617797	0.0231271	0.00755544	0.6826997	9	0.28561033
ENSG00000203900	20	RP11-261N11.8	61991340	rs73157403	20	61997382	T	C	0.0785288	0.0187634	0.0161577	0.245531	0.602423	0.108888	3.16E-08	0.0311466	0.0274057	0.255747	0.9769597	3	0.74192416
ENSG00000130584	20	ZBTB46	62375019	rs8118848	20	62461572	A	G	0.237575	-0.0024819	0.00984269	0.800919	0.329056	0.0528111	4.64E-10	-0.0075425	0.0299364	0.8010786	0.09961807	11	0.94959317
ENSG00000171695	20	C20orf201	62714733	rs6090043	20	62717930	T	C	0.483101	-0.0108509	0.00815244	0.183189	-0.38465	0.0527257	2.98E-13	0.0282098	0.0215443	0.1904036	0.6473338	5	0.68016636
ENSG00000228314	21	CYP4F29P	15215454	rs7277366	21	15352881	C	G	0.243539	-0.0172991	0.00972978	0.0754102	-0.543696	0.0765674	1.24E-12	0.0318176	0.0184481	0.08457933	0.909266	6	0.57027956
ENSG00000215559	21	ANKRD20A11P	15281895	rs7277366	21	15352881	C	G	0.243539	-0.0172991	0.00972978	0.0754102	-0.613639	0.0958696	1.55E-10	0.028191	0.0164562	0.08669543	0.9603424	4	0.57027956
ENSG00000224905	21	AP001347.6	15399742	rs73338200	21	15454161	T	C	0.312127	0.00453642	0.00860573	0.598098	0.635434	0.0824147	1.26E-14	0.00713909	0.0135747	0.5989495	0.7823174	13	0.90595547
ENSG00000155304	21	HSPA13	15743436	rs2822648	21	15754578	G	A	0.534791	-0.0086105	0.00805489	0.285082	-0.14831	0.025415	5.36E-09	0.0580572	0.0552149	0.2930397	0.674356	15	0.76742592
ENSG00000224924	21	LINC00320	22114908	rs8131245	21	22116149	A	C	0.0815109	0.0083757	0.0118954	0.481362	0.353524	0.0463812	2.50E-14	0.023692	0.0337913	0.4832236	0.1956631	20	0.85984635
ENSG00000154721	21	JAM2	27011584	rs11087969	21	27019326	T	C	0.724652	-0.0124605	0.00891715	0.162304	-0.564958	0.0771603	2.45E-13	0.0220556	0.0160686	0.1698798	0.5314741	16	0.65890878
ENSG00000273492	21	AP000230.1	27543189	rs2045	21	27600057	C	T	0.234592	-0.0074507	0.00930951	0.423518	0.862103	0.0794779	2.06E-27	-0.0086425	0.010828	0.4247762	0.2102349	20	0.85416275
ENSG00000232855	21	AF131217.1	29811667	rs2737045	21	29923340	T	G	0.642147	-3.02E-05	0.00884539	0.997277	-0.453967	0.0829293	4.40E-08	6.65E-05	0.0194847	0.9972771	0.7114735	11	0.99803567
ENSG00000156239	21	N6AMT1	30244513	rs60584984	21	30276780	G	C	0.204771	-0.0164	0.00997588	0.100183	-0.421699	0.0711745	3.13E-09	0.0388903	0.0245502	0.1131673	0.2614755	4	0.60439303
ENSG00000156253	21	RWDD2B	30376705	rs2832155	21	30410350	C	A	0.71173	-0.0211194	0.0106838	0.0480684	-0.714221	0.0630723	1.00E-29	0.0295698	0.0151849	0.05149635	0.522	20	0.52072188
ENSG00000156265	21	MAP3K7CL	30449792	rs4817263	21	30462771	G	A	0.565606	0.00381276	0.00830232	0.646062	-0.538681	0.0921617	5.07E-09	-0.007078	0.0154598	0.6470751	0.1914913	4	0.92376756
ENSG00000142207	21	URB1	33683329	rs73359972	21	33782263	T	C	0.083499	0.0209332	0.0206413	0.310515	0.599535	0.0789912	3.20E-14	0.0349157	0.0347348	0.3147967	0.495354	12	0.78204989
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.553282	0.0626976	1.10E-18	-0.0286192	0.0160182	0.07399181	0.08299557	5	0.54762401
ENSG00000142188	21	TMEM50B	34804792	rs2834223	21	34825147	A	C	0.446322	0.0130874	0.00805026	0.10401	-0.570002	0.0567845	1.04E-23	-0.0229603	0.0143072	0.1085376	0.5888506	12	0.60007461
ENSG00000241837	21	ATP5O	35275757	rs202020645	21	35301105	A	T	0.271372	0.0153299	0.00924008	0.0971024	-0.225438	0.0343465	5.25E-11	-0.0680005	0.0422763	0.1077306	0.2525388	11	0.59966108
ENSG00000185917	21	SETD4	37406839	rs2051395	21	37431265	T	G	0.435388	0.0075279	0.00808913	0.352051	-0.402536	0.0532785	4.18E-14	-0.0187012	0.0202473	0.3556743	0.4128814	20	0.81071725
ENSG00000159228	21	CBR1	37442239	rs6517327	21	37440892	A	G	0.718688	0.0114272	0.00907169	0.207794	-0.335044	0.0376384	5.50E-19	-0.0341066	0.0273459	0.2123134	0.9483063	20	0.70128891
ENSG00000233393	21	AP000688.29	37477179	rs2040447	21	37451125	T	C	0.725646	0.0106959	0.00907856	0.238739	-0.486462	0.0724966	1.94E-11	-0.0219871	0.0189479	0.2458864	0.8513712	20	0.73556754
ENSG00000224790	21	AP000704.5	38338812	rs2154530	21	38348663	A	G	0.430417	0.00929214	0.00808004	0.250139	-0.861268	0.0860861	1.45E-23	-0.0107889	0.00944334	0.2532509	0.2719876	20	0.74108855
ENSG00000185808	21	PIGP	38431470	rs2073356	21	38600226	C	T	0.350895	0.0130949	0.00853223	0.124845	0.357016	0.0530559	1.71E-11	0.0366787	0.0245125	0.1345675	0.07254921	12	0.61985195
ENSG00000182670	21	TTC3	38445526	rs1003721	21	38492657	G	T	0.537773	0.00379382	0.00816842	0.642325	0.27014	0.0358297	4.72E-14	0.0140439	0.030295	0.6429552	0.3562564	17	0.92288763
ENSG00000157578	21	LCA5L	40777770	rs4816628	21	40822940	A	C	0.520875	0.00452343	0.00806455	0.574864	-0.762144	0.0761498	1.40E-23	-0.0059351	0.010598	0.5754629	0.03186118	20	0.89639273
ENSG00000184809	21	C21orf88	40969074	rs550569	21	40981775	T	A	0.466203	-0.0031532	0.00833309	0.705136	-0.397966	0.039078	2.34E-24	0.00792332	0.0209537	0.7053301	0.4120375	19	0.93460877
ENSG00000183067	21	IGSF5	41117334	rs465258	21	41171744	A	G	0.818091	0.00543069	0.00979533	0.579294	-0.568427	0.0749394	3.32E-14	-0.0095539	0.0172783	0.5803037	0.7141422	6	0.89680723
ENSG00000226496	21	LINC00323	42513427	rs9974272	21	42521711	G	A	0.193837	0.0251611	0.0113042	0.0260262	-0.665057	0.104835	2.24E-10	-0.037833	0.0180132	0.03570311	0.2157704	4	0.45477223
ENSG00000183844	21	FAM3B	42676139	rs66817580	21	42689637	T	G	0.137177	0.00278559	0.0136851	0.838706	0.697169	0.120591	7.41E-09	0.00399557	0.0196417	0.8388044	0.3575695	10	0.96352591
ENSG00000157601	21	MX1	42792231	rs17000900	21	42798030	A	C	0.0974155	-0.0030224	0.0141706	0.831105	0.702535	0.10395	1.40E-11	-0.0043021	0.0201807	0.8311878	0.1236743	4	0.96173345
ENSG00000141956	21	PRDM15	43218385	rs143393748	21	43298846	T	C	0.12326	-0.0021272	0.0141624	0.880606	0.626838	0.0949815	4.12E-11	-0.0033935	0.0225992	0.8806371	0.2202495	6	0.98076949
ENSG00000160188	21	RSPH1	43892596	rs2839537	21	43906351	C	G	0.373757	0.0143166	0.00831722	0.0851942	0.426076	0.050488	3.20E-17	0.033601	0.0199224	0.09168142	0.8116666	15	0.58277666
ENSG00000160191	21	PDE9A	44073746	rs9976560	21	44038275	G	C	0.254473	0.0106781	0.00885896	0.228071	-0.448444	0.0643772	3.26E-12	-0.0238114	0.0200484	0.2349535	0.7231004	9	0.72976234
ENSG00000160200	21	CBS	44473301	rs234728	21	44448775	A	G	0.372763	0.00043497	0.0081349	0.957358	-0.840451	0.0865791	2.81E-22	-0.0005175	0.00967935	0.9573589	0.8188397	20	0.99132464
ENSG00000160218	21	TRAPPC10	45432200	rs3788104	21	45512094	A	G	0.16501	-0.0090425	0.0116415	0.437309	0.209057	0.0367429	1.27E-08	-0.0432537	0.0562023	0.4415332	0.1086716	4	0.85502448
ENSG00000241945	21	PWP2	45527171	rs9981485	21	45515366	G	A	0.17992	0.00099668	0.0108812	0.927018	1.363	0.101087	1.96E-41	0.00073124	0.00798346	0.9270201	0.1764171	18	0.9909256
ENSG00000160221	21	C21orf33	45553487	rs35985715	21	45490684	A	G	0.161034	-0.0074208	0.011636	0.523639	1.40924	0.103577	3.70E-42	-0.0052658	0.008266	0.5240952	0.1147795	18	0.87303227
ENSG00000160226	21	C21orf2	45748827	rs73374031	21	45759197	C	G	0.238569	-0.003711	0.0100537	0.712041	0.417866	0.0631939	3.78E-11	-0.0088808	0.0240971	0.7124691	0.7393176	4	0.93605801
ENSG00000142185	21	TRPM2	45770046	rs56195574	21	45806160	A	G	0.17495	-0.0052028	0.00921724	0.572441	-0.551953	0.0505821	1.01E-27	0.00942609	0.0167216	0.5729543	0.3526608	20	0.89520588
ENSG00000160233	21	LRRC3	45875369	rs2838569	21	45898223	G	C	0.472167	-0.0026474	0.00806452	0.742706	-0.599336	0.0717853	6.88E-17	0.00441714	0.0134662	0.7428982	0.2846377	4	0.93605801
ENSG00000184787	21	UBE2G2	46188955	rs7282882	21	46237409	T	G	0.402584	-0.0084918	0.00820585	0.300743	-0.332914	0.0597567	2.53E-08	0.0255073	0.0250702	0.3089453	0.9270228	10	0.77648702
ENSG00000183250	21	C21orf67	46352729	rs4818989	21	46356816	G	A	0.356859	-0.004873	0.00848587	0.5658	-0.496991	0.0662752	6.44E-14	0.00980501	0.0171245	0.5669343	0.6027629	13	0.89226607
ENSG00000235374	21	SSR4P1	46491648	rs2838769	21	46492270	A	G	0.16998	-0.0111579	0.00900544	0.215341	0.718266	0.100944	1.11E-12	-0.0155345	0.0127264	0.2222184	0.1445886	11	0.71746291
ENSG00000215447	21	BX322557.10	46707967	rs2838868	21	46714641	T	C	0.295229	0.0191592	0.00874259	0.0284178	-0.499609	0.0488779	1.59E-24	-0.0383484	0.0178965	0.03213043	0.0439482	20	0.44271993
ENSG00000223768	21	LINC00205	46713200	rs2838867	21	46713092	T	C	0.294235	0.0136848	0.0091233	0.13362	-0.992703	0.0674888	5.63E-49	-0.0137854	0.00923802	0.135635	0.2102546	20	0.62035372
ENSG00000183570	21	PCBP3	47063608	rs56213918	21	47078365	A	G	0.188867	-0.0106462	0.0120508	0.377	0.585911	0.0893562	5.49E-11	-0.0181703	0.0207535	0.3812842	0.9883704	20	0.82180041
ENSG00000142156	21	COL6A1	47401651	rs9983378	21	47398411	G	A	0.32008	0.00249089	0.00873512	0.775524	0.406692	0.0532236	2.15E-14	0.00612476	0.0214934	0.775675	0.8745396	20	0.94457502
ENSG00000160282	21	FTCD	47556176	rs7281805	21	47597767	T	C	0.238569	-0.0097845	0.0110813	0.377249	-0.547767	0.0538973	2.90E-24	0.0178626	0.0203062	0.3790424	0.4866941	20	0.82169123
ENSG00000160284	21	SPATC1L	47581062	rs12482934	21	47605335	T	C	0.0795229	-0.0202182	0.0139903	0.148414	-0.951809	0.127928	1.01E-13	0.0212419	0.0149734	0.1560026	0.7592189	20	0.64842413
ENSG00000239415	21	AP001469.9	47671463	rs17176800	21	47670270	C	G	0.120278	-0.010862	0.014429	0.451577	0.668177	0.082374	5.00E-16	-0.0162562	0.0216874	0.4535146	0.09950033	20	0.85502448
ENSG00000182362	21	YBEY	47706251	rs62224180	21	47726332	G	C	0.785288	-0.0182852	0.00947401	0.0536019	-0.896631	0.0848866	4.44E-26	0.0203932	0.0107412	0.05761662	0.4357003	20	0.52780415
ENSG00000160299	21	PCNT	47744036	rs9975345	21	47843004	C	T	0.555666	0.00097231	0.00806056	0.903987	-0.209799	0.038182	3.91E-08	-0.0046345	0.0384296	0.9040106	0.7327163	20	0.9879812
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.20483	0.0908281	3.70E-40	0.013142	0.00776602	0.09059892	0.402147	20	0.57964609
ENSG00000235478	22	AC006946.15	17602476	rs13056292	22	17615851	A	G	0.0457256	-0.014366	0.0185701	0.439161	-0.659052	0.113311	6.02E-09	0.021798	0.0284251	0.4431673	0.2616663	12	0.85502448
ENSG00000093072	22	CECR1	17660194	rs5992639	22	17680971	A	G	0.497018	-0.0109395	0.00808566	0.176072	0.490929	0.0521391	4.70E-21	-0.0222833	0.0166393	0.1805068	0.8290663	15	0.66258927
ENSG00000015475	22	BID	18216906	rs2535698	22	18171590	A	G	0.172962	-0.015037	0.00976513	0.123592	-0.33188	0.0495768	2.17E-11	0.0453085	0.0301921	0.1334394	0.247042	15	0.61757097
ENSG00000237517	22	DGCR5	18958027	rs2540626	22	18954191	C	T	0.322068	-0.0055612	0.0094633	0.55676	-0.365737	0.0587107	4.68E-10	0.0152055	0.0259895	0.5585052	0.8128628	12	0.88690277
ENSG00000273032	22	DGCR9	19005347	rs5993429	22	18935759	A	G	0.232604	-0.0061502	0.0104468	0.556055	0.421483	0.0527023	1.27E-15	-0.0145917	0.0248529	0.55712	0.2527363	17	0.88690277
ENSG00000273164	22	DGCR10	19010569	rs28757280	22	19009723	C	A	0.286282	0.0142016	0.00868107	0.101854	-0.911223	0.0819708	1.04E-28	-0.0155852	0.00962944	0.1055559	0.1047729	20	0.59966108
ENSG00000070413	22	DGCR2	19023795	rs1557846	22	19055459	A	G	0.184891	0.0170772	0.011031	0.121594	0.456374	0.0606454	5.26E-14	0.0374193	0.0246771	0.1294295	0.05576954	20	0.61757097
ENSG00000273311	22	DGCR11	19033675	rs5993483	22	19041896	A	C	0.354871	0.0198361	0.00883859	0.0248159	0.469006	0.0812175	7.71E-09	0.0422939	0.0202185	0.03645291	0.3568515	4	0.45477223
ENSG00000070371	22	CLTCL1	19166986	rs9605957	22	19187375	A	G	0.494036	0.00819769	0.00809098	0.31097	-0.406025	0.0650384	4.30E-10	-0.0201901	0.020188	0.3172606	0.2703557	6	0.78557346
ENSG00000185065	22	AC000068.5	19435416	rs2238769	22	19453727	G	C	0.182903	-0.0034977	0.00982324	0.721792	-0.659771	0.117435	1.93E-08	0.0053014	0.0149187	0.722326	0.5657023	3	0.93605801
ENSG00000185838	22	GNB1L	19770747	rs8139091	22	19845283	C	G	0.240557	-0.0009363	0.00965918	0.922781	0.47672	0.0667288	9.06E-13	-0.001964	0.0202636	0.922788	0.2726812	17	0.99020512
ENSG00000215012	22	C22orf29	19833661	rs8138689	22	19812973	T	C	0.435388	0.00341557	0.00824345	0.678627	-0.339229	0.0469137	4.80E-13	-0.0100686	0.0243404	0.6791239	0.2121723	18	0.93020759
ENSG00000099940	22	SNAP29	21213271	rs1978098	22	21288871	C	T	0.0755467	0.0190763	0.0170415	0.262969	-0.706091	0.0962437	2.19E-13	-0.0270168	0.0244143	0.2684688	0.2882141	8	0.75396333
ENSG00000230513	22	THAP7-AS1	21356175	rs28372939	22	21356824	A	G	0.21173	0.00642448	0.00951388	0.499502	-0.82647	0.0908353	9.15E-20	-0.0077734	0.0115431	0.5006787	0.4514606	16	0.86973001
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.59285	0.140076	5.81E-30	0.00481492	0.0112251	0.6679655	0.8261339	13	0.93003269
ENSG00000183506	22	PI4KAP2	21827289	rs853148	22	21033724	A	T	0.499006	-0.0052035	0.00862867	0.546473	-0.424941	0.0571267	1.02E-13	0.0122453	0.0203722	0.5477865	0.9310231	20	0.88276185
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.835404	0.0591135	2.40E-45	-0.0013102	0.0099778	0.8955256	0.1145724	20	0.9845666
ENSG00000228050	22	TOP3BP1	22577580	rs5756324	22	22335125	C	T	0.256461	-0.0006001	0.00931467	0.948635	0.959649	0.0937443	1.36E-24	-0.0006253	0.00970652	0.9486358	0.128391	14	0.99132464
ENSG00000272779	22	LL22NC03-80A10.6	22657589	rs8138217	22	22660748	T	C	0.413519	-0.0001369	0.00824809	0.986761	0.326931	0.0473867	5.23E-12	-0.0004186	0.0252289	0.9867615	0.1835689	13	0.99662399
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.574488	0.0764122	5.55E-14	-0.0062351	0.0154854	0.6872113	0.2249477	14	0.93137246
ENSG00000128266	22	GNAZ	23412540	rs5759587	22	23441515	C	G	0.444334	0.0206539	0.00807655	0.0105499	0.300086	0.0466934	1.30E-10	0.0688266	0.0289666	0.01749809	0.1141783	9	0.34868323
ENSG00000100228	22	RAB36	23487513	rs6519420	22	23512767	A	C	0.235586	-0.0138741	0.0088712	0.117829	0.242751	0.0436156	2.61E-08	-0.0571536	0.0379598	0.1321608	0.9853718	7	0.61757097
ENSG00000186716	22	BCR	23521891	rs13053509	22	23663772	C	G	0.321074	0.00471858	0.00948905	0.619002	0.373035	0.0385856	4.13E-22	0.0126492	0.0254711	0.6194646	0.103332	18	0.91395475
ENSG00000230701	22	FBXW4P1	23605323	rs1811018	22	23606965	A	G	0.323062	-0.010405	0.00941949	0.269323	0.468154	0.0784768	2.44E-09	-0.0222256	0.0204625	0.2774079	0.5090883	9	0.75436188
ENSG00000236611	22	AP000343.2	23668803	rs180817	22	23658007	A	G	0.370775	-0.0079527	0.00822837	0.333797	0.625373	0.0793961	3.36E-15	-0.0127167	0.0132562	0.3374074	0.1848963	6	0.79993575
ENSG00000215478	22	CES5AP1	23701790	rs7287011	22	23730370	C	T	0.455268	0.00369253	0.00810408	0.648651	0.473937	0.0838685	1.60E-08	0.00779118	0.017155	0.6497105	0.3130513	9	0.92429596
ENSG00000133519	22	ZDHHC8P1	23732793	rs8135792	22	23744814	A	G	0.0238569	-0.0203824	0.0280214	0.46699	1.24701	0.176413	1.56E-12	-0.016345	0.0225895	0.4693321	0.884363	3	0.85502448
ENSG00000234928	22	AP000344.3	23775751	rs56806351	22	23776219	A	G	0.158052	-0.001095	0.0103144	0.915454	0.701897	0.106314	4.05E-11	-0.0015601	0.0146969	0.9154645	0.2075053	5	0.98830215
ENSG00000227755	22	AP000344.4	23788785	rs56806351	22	23776219	A	G	0.158052	-0.001095	0.0103144	0.915454	0.549334	0.0999938	3.94E-08	-0.0019933	0.0187797	0.9154693	0.1245292	3	0.98830215
ENSG00000272733	22	KB-208E9.1	23923067	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.389381	0.0658463	3.35E-09	0.0110442	0.0224136	0.6221906	0.5230614	5	0.91426882
ENSG00000189269	22	C22orf43	23950639	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.794345	0.0974698	3.65E-16	0.00541379	0.0109689	0.6216169	0.5978796	9	0.91426882
ENSG00000234353	22	AP000347.4	23980679	rs73386620	22	24001256	C	A	0.185885	-0.0011573	0.0136929	0.932647	-0.301016	0.0464275	8.96E-11	0.00384451	0.0454928	0.9326524	0.5763478	4	0.99132464
ENSG00000272578	22	AP000347.2	24000281	rs71318929	22	24029075	G	A	0.167992	-0.0035493	0.0139074	0.798563	-0.393844	0.0531212	1.22E-13	0.00901189	0.0353329	0.7986791	0.6046665	4	0.94842062
ENSG00000128218	22	VPREB3	24094930	rs131441	22	24108756	C	T	0.83996	-0.0086888	0.0105722	0.411159	-0.833525	0.105349	2.53E-15	0.0104242	0.012752	0.4136688	0.05864453	12	0.84359649
ENSG00000133460	22	SLC2A11	24198890	rs73158772	22	24200827	A	G	0.082505	0.00843489	0.0231695	0.71582	-0.627626	0.070706	6.90E-19	-0.0134394	0.0369471	0.7160479	0.7257412	3	0.93605801
ENSG00000218537	22	AP000350.4	24236613	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.890163	0.0927033	7.82E-22	0.00985628	0.0094362	0.2962455	0.2004394	20	0.76853853
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.20594	0.0716106	1.24E-63	0.0072754	0.00693745	0.2943096	0.1712679	20	0.76840073
ENSG00000225282	22	AP000350.6	24269087	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.0654	0.0823173	2.59E-38	0.00823512	0.00786313	0.2949575	0.2124583	20	0.76840073
ENSG00000133433	22	GSTT2B	24299601	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	-0.936726	0.0783184	5.72E-33	-0.0093664	0.00894826	0.2952277	0.2014023	20	0.76840073
ENSG00000099977	22	DDT	24313554	rs5751771	22	24258777	T	C	0.606362	0.00963985	0.0083451	0.248028	0.409062	0.052409	5.94E-15	0.0235657	0.0206228	0.2531614	0.1974531	19	0.74108855
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.707132	0.0933138	3.51E-14	0.0175112	0.0118726	0.1402325	0.774188	20	0.6277735
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.25261	0.107521	2.30E-31	-0.0102535	0.00874345	0.2409147	0.5206846	20	0.73372296
ENSG00000224205	22	AP000351.4	24329511	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.900582	0.08373	5.57E-27	0.0137497	0.00923292	0.1364349	0.7980605	20	0.62098749
ENSG00000128262	22	POM121L9P	24647796	rs28668707	22	24653314	T	C	0.529821	-0.0090936	0.00818508	0.266569	-0.449155	0.0595398	4.57E-14	0.0202461	0.0184199	0.271705	0.9279929	20	0.75436188
ENSG00000100024	22	UPB1	24863206	rs2186376	22	24848460	G	A	0.610338	-0.0143942	0.00814934	0.0773464	-0.591201	0.059198	1.74E-23	0.0243474	0.0139983	0.08198046	0.6731245	20	0.5652901
ENSG00000197077	22	KIAA1671	25348697	rs5760855	22	25500496	T	G	0.327038	-0.007662	0.00896954	0.392978	-0.205841	0.0321774	1.58E-10	0.0372231	0.0439619	0.397155	0.340678	19	0.82778514
ENSG00000244752	22	CRYBB2	25615489	rs2269672	22	25597331	C	T	0.521869	0.00642978	0.0080907	0.42678	-0.41438	0.0588758	1.95E-12	-0.0155166	0.0196489	0.4297064	0.29473	7	0.85492516
ENSG00000272942	22	CTA-246H3.12	25830291	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-0.765218	0.120958	2.51E-10	0.0523738	0.0220006	0.01728638	0.4912717	9	0.34868323
ENSG00000100058	22	CRYBB2P1	25844072	rs760554	22	25872592	C	A	0.0725646	-0.041638	0.015736	0.00814404	1.20205	0.12446	4.54E-22	-0.0346392	0.0135734	0.01071093	0.3936844	18	0.30983639
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.13616	0.127496	5.04E-19	0.0352744	0.0142879	0.01355533	0.3161985	11	0.34598887
ENSG00000100099	22	HPS4	26839389	rs113661443	22	26927867	T	C	0.0109344	0.0484565	0.0451962	0.283659	-1.13952	0.199414	1.10E-08	-0.0425236	0.0403545	0.2919974	0.7174191	4	0.76742592
ENSG00000223704	22	RP1-90L6.2	27254597	rs9306427	22	27252454	C	T	0.246521	0.0303621	0.0103134	0.00324056	0.486654	0.0778718	4.12E-10	0.0623895	0.0234262	0.00773925	0.3815481	8	0.28561033
ENSG00000230051	22	CTA-929C8.8	27727748	rs79116812	22	27737393	C	T	0.22664	-0.001246	0.00953811	0.896064	0.360344	0.0527672	8.55E-12	-0.0034578	0.0264743	0.896083	0.4994477	4	0.9845666
ENSG00000235954	22	TTC28-AS1	28315364	rs78320689	22	28407763	T	A	0.0616302	-0.024597	0.0194977	0.207115	0.914083	0.109312	6.16E-17	-0.0269089	0.0215717	0.2122443	0.7135841	20	0.70128891
ENSG00000100249	22	C22orf31	29454660	rs4823007	22	29452278	G	A	0.489066	-0.0028627	0.00810449	0.723921	-0.369527	0.0624986	3.37E-09	0.0077469	0.0219712	0.7243928	0.9421943	5	0.93605801
ENSG00000185340	22	GAS2L1	29702572	rs2301586	22	29702910	T	A	0.379722	0.00814503	0.00814193	0.317126	0.212824	0.0362459	4.31E-09	0.0382712	0.0388079	0.3240496	0.7766221	8	0.78892126
ENSG00000100276	22	RASL10A	29708922	rs131184	22	29681216	G	A	0.154076	0.023708	0.0129834	0.0678469	-0.506543	0.0843957	1.95E-09	-0.0468035	0.0267914	0.08064361	0.03668577	5	0.56468369
ENSG00000225465	22	RFPL1S	29832818	rs2106107	22	29835987	T	C	0.171968	0.00098069	0.0113072	0.930885	-0.240432	0.0341406	1.89E-12	-0.0040789	0.0470322	0.93089	0.2881388	5	0.99132464
ENSG00000184117	22	NIPSNAP1	29950797	rs468217	22	29952226	C	T	0.488072	0.00759714	0.00810171	0.348388	-0.176052	0.0299577	4.19E-09	-0.0431528	0.046601	0.3544429	0.8145391	5	0.81071725
ENSG00000100325	22	ASCC2	30184597	rs73394838	22	30225973	G	A	0.0467197	0.0138839	0.0164485	0.398625	0.421965	0.0647065	6.97E-11	0.032903	0.0393059	0.4025364	0.9105568	6	0.83271709
ENSG00000214491	22	SEC14L6	30918786	rs4820865	22	30936781	G	A	0.754473	-0.0085131	0.00891926	0.339851	0.499281	0.0634162	3.46E-15	-0.0170507	0.017995	0.3433724	0.8751942	10	0.80681043
ENSG00000237977	22	EIF4HP2	31298206	rs12167144	22	31298208	C	A	0.286282	0.00904248	0.00892191	0.310815	-0.705354	0.0717189	7.96E-23	-0.0128198	0.0127158	0.3133706	0.8518234	15	0.78098967
ENSG00000182541	22	LIMK2	31608225	rs5997969	22	31790014	C	T	0.676938	-0.0064255	0.00824726	0.435917	0.282057	0.0512821	3.80E-08	-0.0227808	0.0295316	0.4404668	0.5956896	10	0.85502448
ENSG00000241878	22	PISD	32014477	rs5753733	22	32027922	G	A	0.266402	-0.006997	0.00925658	0.449715	0.255308	0.0372414	7.11E-12	-0.027406	0.0364762	0.4524492	0.160034	20	0.85502448
ENSG00000100191	22	SLC5A4	32614465	rs16990269	22	32761468	A	G	0.0407555	0.00214923	0.0196136	0.912743	1.21728	0.168173	4.54E-13	0.0017656	0.0161145	0.9127536	0.8508479	9	0.98830215

ENSG00000205853	22	RFPL3S	32755893	rs75521069	22	32783041	G	A	0.0467197	0.00535153	0.0193943	0.782598	-1.04225	0.153695	1.19E-11	-0.0051346	0.0186235	0.7827747	0.8916877	20	0.94647669
ENSG00000100336	22	APOL4	36585172	rs6000186	22	36598711	A	G	0.144135	-0.001064	0.0127172	0.933322	-0.611811	0.0895845	8.53E-12	0.0017391	0.0207877	0.9333268	0.8374259	3	0.99132464
ENSG00000100348	22	TXN2	36863083	rs76174946	22	36913495	C	T	0.026839	-0.0142077	0.0191011	0.456988	0.51254	0.0878529	5.41E-09	-0.0277202	0.0375692	0.4606098	0.3707239	12	0.85502448
ENSG00000100350	22	FOXRED2	36883237	rs146532334	22	36903096	T	C	0.0377734	0.00927211	0.0202896	0.647679	0.987105	0.132897	1.11E-13	0.00939324	0.0205935	0.6482995	0.6243297	18	0.92429596
ENSG00000234688	22	RP1-293L6.1	37099963	rs5756319	22	37117819	T	C	0.67992	-0.0142456	0.0082256	0.083299	0.509827	0.0737248	4.67E-12	-0.027942	0.0166324	0.09296153	0.06193327	9	0.58407271
ENSG00000100360	22	IFT27	37154246	rs1048015	22	37163080	T	C	0.752485	-0.0089149	0.00891641	0.317393	-0.395891	0.0606326	6.61E-11	0.0225185	0.0227849	0.3230016	0.396078	7	0.78881178
ENSG00000187045	22	TMPRSS6	37461476	rs5756506	22	37467392	C	G	0.402584	0.00682625	0.00816894	0.40336	0.35766	0.0473324	4.15E-14	0.0190859	0.0229792	0.4062158	0.03263706	19	0.8370267
ENSG00000133466	22	C1QTNF6	37576207	rs229534	22	37588013	C	T	0.212724	-0.0212904	0.0101187	0.0353728	-0.728112	0.074021	7.83E-23	0.0292406	0.0142115	0.03963614	0.9939394	17	0.46984413
ENSG00000233360	22	Z83844.1	38037839	rs9622682	22	38074434	A	G	0.405567	-0.0197999	0.008298	0.0170279	0.705594	0.0956313	1.60E-13	-0.0280613	0.01236	0.02318725	0.6723862	7	0.39677591
ENSG00000100106	22	TRIOBP	38093011	rs4821698	22	38115318	T	C	0.332008	0.00622659	0.00836981	0.456916	-0.222485	0.0380266	4.89E-09	-0.0279866	0.0379225	0.4605189	0.246867	11	0.85502448
ENSG00000272720	22	CTA-228A9.3	38486134	rs112110095	22	38502411	T	C	0.0636183	0.0307678	0.0152225	0.0432584	0.476468	0.0866087	3.77E-08	0.0645747	0.0340366	0.05779992	0.5245599	5	0.52780415
ENSG00000198792	22	TMEM184B	38615298	rs9610924	22	38652339	G	C	0.317097	-0.0004038	0.00857198	0.962425	-0.253837	0.0413013	7.95E-10	0.0015909	0.0337706	0.9624265	0.08421715	8	0.99132464
ENSG00000184949	22	FAM227A	38974125	rs5757176	22	39006934	G	A	0.367793	-0.006983	0.00835986	0.403548	0.285789	0.0460466	5.42E-10	-0.0244341	0.0295156	0.4077619	0.1882098	13	0.83733092
ENSG00000235209	22	CTA-150C2.13	39317232	rs132507	22	39287435	G	A	0.628231	0.0117426	0.00828463	0.156368	0.867639	0.0921977	4.93E-21	0.013534	0.00965617	0.1610385	0.1212209	16	0.65108594
ENSG00000239713	22	APOBEC3G	39436924	rs5757472	22	39483967	C	T	0.619284	-0.0020091	0.00817026	0.805759	-0.488664	0.0588069	9.60E-17	0.00411135	0.0167269	0.8058426	0.495559	16	0.95309859
ENSG00000128268	22	MGAT3	39853349	rs6001582	22	39806153	C	T	0.33996	-0.0001677	0.00889909	0.984964	-0.22556	0.0373025	1.48E-09	0.00074355	0.0394535	0.9849638	0.682572	10	0.99662399
ENSG00000128272	22	ATF4	39915700	rs5757703	22	39932516	A	G	0.321074	0.00196216	0.00861393	0.81981	0.300912	0.046699	1.17E-10	0.00652071	0.028644	0.8199207	0.4826592	5	0.95828989
ENSG00000100372	22	SLC25A17	41165634	rs13054099	22	41215672	C	T	0.262425	0.0356669	0.00961968	0.00020915	0.329277	0.0562986	4.95E-09	0.108319	0.0345902	0.0017392	0.04744768	11	0.19685577
ENSG00000100395	22	L3MBTL2	41601209	rs7286979	22	41498627	A	G	0.328032	-0.0018751	0.00883228	0.83187	0.25982	0.0452882	9.63E-09	-0.007217	0.0340171	0.831983	0.0145505	8	0.96173345
ENSG00000172346	22	CSDC2	41956767	rs4822038	22	41958495	A	G	0.202783	0.0179741	0.00947655	0.0578682	0.415446	0.0653903	2.11E-10	0.0432646	0.0238053	0.06915088	0.08609054	10	0.53758036
ENSG00000100418	22	DESI1	41994032	rs28582339	22	42629354	G	A	0.975149	0.0341558	0.0210513	0.104696	1.37519	0.206734	2.89E-11	0.0248371	0.0157567	0.1149588	0.5664329	6	0.60439303
ENSG00000159958	22	TNFRSF13C	42321045	rs67797654	22	42360407	A	G	0.105368	0.040387	0.0203508	0.0471954	0.581532	0.102255	1.29E-08	0.0694493	0.0370646	0.06096696	0.01246853	14	0.52874239
ENSG00000100162	22	CENPM	42334725	rs3752592	22	42342765	T	G	0.119284	0.00812135	0.0130513	0.53377	1.0273	0.135698	3.72E-14	0.00790553	0.0127473	0.5351444	0.6202375	20	0.87447889
ENSG00000183066	22	WBP2NL	42394729	rs7285557	22	42348790	C	T	0.450298	-0.0198886	0.00822787	0.015639	-0.572626	0.078593	3.19E-13	0.0347323	0.0151388	0.02177573	0.06311065	20	0.38719205
ENSG00000198951	22	NAGA	42454358	rs10854749	22	42447341	T	G	0.411531	0.0126571	0.00810456	0.118351	0.453923	0.0504277	2.23E-19	0.0278838	0.0181212	0.1238681	0.03804414	20	0.61194908
ENSG00000183172	22	SMDT1	42475695	rs2236779	22	42551344	A	G	0.203777	-0.0278703	0.0127313	0.0285878	0.257888	0.0358251	6.09E-13	-0.108071	0.0515999	0.03622332	0.1163432	20	0.45477223
ENSG00000184983	22	NDUFA6	42481529	rs117529804	22	42669104	T	C	0.028827	0.0291349	0.0283791	0.304594	0.921902	0.0927473	2.79E-23	0.031603	0.030947	0.3071597	0.188088	17	0.77648702
ENSG00000270083	22	RP1-257I20.14	42485634	rs3021083	22	42538103	T	C	0.535785	-0.0078297	0.00808253	0.332686	-0.554398	0.0961082	8.00E-09	0.0141229	0.0147831	0.3394056	0.02119752	14	0.80225446
ENSG00000100197	22	CYP2D6	42522501	rs2743451	22	42534682	T	C	0.531809	-0.0072824	0.00808875	0.367954	0.720643	0.0523981	4.87E-43	-0.0101054	0.0112484	0.3689774	0.1150956	20	0.8138073
ENSG00000227370	22	RP4-669P10.19	42528550	rs2856962	22	42535461	T	C	0.05666	-0.0650332	0.0254997	0.0107614	0.90159	0.152854	3.67E-09	-0.0721317	0.0308136	0.01923726	0.2450346	14	0.36241624
ENSG00000205702	22	CYP2D7P1	42536214	rs2413666	22	42459622	T	C	0.664016	-0.0040065	0.00829838	0.629238	0.436587	0.055673	4.43E-15	-0.0091768	0.0190434	0.6298865	0.5008055	20	0.91743708
ENSG00000189306	22	RRP7A	42905974	rs136980	22	42943481	A	G	0.154076	0.00772185	0.0112081	0.490851	0.610774	0.0937269	7.20E-11	0.0126427	0.0184529	0.4932592	0.6893048	10	0.86532344
ENSG00000182841	22	RRP7B	42951229	rs137114	22	43011246	T	C	0.109344	-0.0002578	0.0136654	0.984947	-0.497252	0.0559443	6.20E-19	0.00051851	0.0274819	0.984947	0.545576	20	0.99662399
ENSG00000100243	22	CYB5R3	43013846	rs137124	22	43015716	C	T	0.16998	0.00536171	0.0104934	0.60938	-0.361988	0.0564166	1.40E-10	-0.0148118	0.02908	0.6105085	0.9212711	7	0.91209617
ENSG00000100271	22	TTLL1	43435522	rs5996269	22	43470919	C	G	0.543738	0.00813394	0.00809111	0.314755	-0.35861	0.060256	2.66E-09	-0.0226819	0.022882	0.3215628	0.4208352	13	0.7877293
ENSG00000100304	22	TTLL12	43562628	rs9612021	22	43583598	C	T	0.662028	0.0059384	0.00832874	0.475846	-0.536367	0.0622591	6.99E-18	-0.0110715	0.0155812	0.4773497	0.1274065	10	0.85676979
ENSG00000159307	22	SCUBE1	43593289	rs2007836	22	43693733	C	T	0.822068	-0.0088793	0.00984306	0.367011	-0.83234	0.095148	2.17E-18	0.0106679	0.0118885	0.3695434	0.1668651	7	0.81388426
ENSG00000186976	22	EFCAB6	43924624	rs2014189	22	43962668	C	T	0.408549	0.00511909	0.00806151	0.525427	0.34272	0.0551587	5.19E-10	0.0149367	0.0236447	0.5275742	0.3507798	6	0.87447889
ENSG00000130540	22	SULT4A1	44220389	rs138123	22	44269104	A	G	0.218688	0.0108142	0.00974567	0.267154	0.19863	0.0293123	1.23E-11	0.0544439	0.0497179	0.2734918	0.3117699	9	0.75436188
ENSG00000100341	22	PNPLA5	44275558	rs138129	22	44276105	C	T	0.55666	0.00234848	0.00835488	0.778641	0.308946	0.0442415	2.89E-12	0.00760159	0.0270651	0.7788152	0.6974862	16	0.9451639
ENSG00000100347	22	SAMM50	44351301	rs6006467	22	44382247	C	A	0.134195	-0.0068485	0.0104519	0.51231	-0.521812	0.0827069	2.81E-10	0.0131245	0.0201377	0.5145701	0.8236423	7	0.87041275
ENSG00000093000	22	NUP50	45559722	rs2176039	22	45585032	G	A	0.540755	-0.0087865	0.00812786	0.279683	0.354376	0.0458273	1.05E-14	-0.0247942	0.0231587	0.2843403	0.7632047	11	0.75895423
ENSG00000100373	22	UPK3A	45680863	rs2673088	22	45683246	T	C	0.73161	0.00334794	0.0091134	0.713347	-0.660892	0.0983044	1.78E-11	-0.0050658	0.0138101	0.7137553	0.2559719	7	0.93605801
ENSG00000100376	22	FAM118A	45704849	rs5765271	22	45746826	G	T	0.865805	0.0127513	0.0105659	0.227499	-1.47393	0.102499	6.92E-47	-0.0086512	0.00719372	0.2291283	0.5482615	20	0.72438037
ENSG00000128408	22	RIBC2	45809572	rs5765329	22	45803336	C	A	0.505964	-0.0041095	0.00807386	0.610758	-0.581567	0.0666068	2.52E-18	0.00706631	0.0139065	0.6113626	0.4718169	20	0.91209617
ENSG00000130943	22	PKDREJ	46651560	rs6007740	22	46654323	A	G	0.16004	0.0195389	0.0122569	0.11091	-0.523239	0.0928088	1.72E-08	-0.0373422	0.0243435	0.1250363	0.5809212	3	0.61194908
ENSG00000075234	22	TTC38	46663858	rs60032274	22	46693060	T	A	0.0248509	-0.0228733	0.0296319	0.440166	0.731573	0.107059	8.29E-12	-0.0312659	0.040762	0.4430599	0.9982225	3	0.85502448
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.814854	0.062808	1.72E-38	0.0027463	0.010428	0.7922746	0.900064	20	0.94736216
ENSG00000054611	22	TBC1D22A	47158518	rs135366	22	47573810	G	C	0.513917	-0.0028749	0.00805528	0.721166	0.41246	0.0680211	1.33E-09	-0.0069702	0.0195636	0.7216274	0.6653141	7	0.93605801
ENSG00000182858	22	ALG12	50293877	rs7287579	22	50321623	T	C	0.219682	0.0195461	0.0106653	0.0668498	0.560027	0.0786885	1.10E-12	0.0349021	0.0196655	0.0759337	0.2798657	20	0.54873624
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.36465	0.121382	2.52E-29	0.0369169	0.0192413	0.05503068	0.00061797	20	0.52780415
ENSG00000128159	22	TUBGCP6	50656118	rs17248273	22	50658570	G	A	0.395626	0.0105491	0.00823539	0.200213	0.233514	0.0304624	1.78E-14	0.0451755	0.0357562	0.206435	0.740388	17	0.70128891
ENSG00000100429	22	HDAC10	50683612	rs13058062	22	50684296	C	T	0.735586	0.00076408	0.0093756	0.935047	-0.465688	0.0602993	1.14E-14	-0.0016408	0.0201339	0.9350507	0.6834695	7	0.99132464
ENSG00000188130	22	MAPK12	50683879	rs5771284	22	50695270	C	A	0.700795	0.00447029	0.00907365	0.622247	-0.605663	0.0656622	2.86E-20	-0.0073808	0.0150027	0.6227434	0.8995743	13	0.91426882
ENSG00000100239	22	PPP6R2	50781733	rs7511136	22	50846887	G	T	0.331014	-0.0063916	0.00814368	0.432537	0.282507	0.0473948	2.51E-09	-0.0226247	0.0290753	0.4364851	0.8824345	7	0.85502448
ENSG00000217442	22	SYCE3	50989541	rs78789402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.47512	0.1489	3.89E-23	0.00237965	0.0104051	0.819102	0.4866044	20	0.95828989
ENSG00000205560	22	CPT1B	51007290	rs470117	22	51009953	T	C	0.460239	0.00783411	0.00809346	0.333067	0.309815	0.0428785	5.00E-13	0.0252864	0.0263569	0.3373648	0.9955206	18	0.79993575
ENSG00000100288	22	CHKB	51017378	rs86337	22	51020668	A	C	0.569583	0.00626675	0.0083578	0.45337	0.319946	0.0448714	1.00E-12	0.0195869	0.0262666	0.4558506	0.6691608	6	0.85502448
ENSG00000100299	22	ARSA	51061182	rs6151419	22	51064915	A	G	0.159046	-0.0028998	0.0140875	0.836914	-0.670105	0.0864395	9.02E-15	0.0043274	0.0210302	0.8369704	0.6700852	11	0.96327684
ENSG00000184319	22	AC002055.4	51195376	rs9616955	22	51181687	T	A	0.0586481	-0.0129725	0.0154355	0.400667	-0.641056	0.114804	2.35E-08	0.0202361	0.0243494	0.4059328	0.8373455	12	0.83698848
ENSG00000101825	23	MXRA5	3226606	rs7889855	23	3075967	T	G	0.215405	0.0102211	0.0082711	0.216547	-0.396884	0.0573739	4.60E-12	-0.0257534	0.02117	0.2237938	0.3990482	4	0.71746678
ENSG00000205664	23	RP11-706O15.1	3735569	rs6655837	23	3747314	A	G	0.18799	0.0114228	0.00976392	0.242041	-0.379062	0.0553479	7.45E-12	-0.0301344	0.0261312	0.2488303	0.9789185	7	0.73968148
ENSG00000234449	23	RP11-706O15.3	3771051	rs5916198	23	3905650	A	G	0.434726	0.0102514	0.00705988	0.146484	-0.395686	0.0695525	1.28E-08	-0.0259079	0.0184141	0.1594399	0.8632541	10	0.65108594
ENSG00000205663	23	RP11-706O15.5	3809479	rs6608343	23	3868488	G	A	0.313316	-0.0057109	0.00773376	0.460248	0.44918	0.066088	1.07E-11	-0.0127141	0.0173188	0.4628763	0.8534518	3	0.85502448
ENSG00000182583	23	VCX	7810303	rs2529876	23	7810800	T	C	0.64752	-0.0100402	0.00725075	0.166141	-0.537401	0.0653906	2.06E-16	0.0186829	0.0136824	0.1721068	0.6713609	4	0.65919056
ENSG00000205642	23	VCX3B	8432871	rs2404240	23	8439382	C	T	0.421671	0.00322087	0.00712926	0.651426	-0.45626	0.0754558	1.48E-09	-0.0070593	0.015669	0.6523312	0.9270205	6	0.92458065
ENSG00000176896	23	TCEANC	13671225	rs5934125	23	13679956	G	A	0.515666	0.00174635	0.00711004	0.805978	-0.300879	0.0520724	7.56E-09	-0.0058042	0.0236522	0.8061499	0.2690236	4	0.95310588
ENSG00000046651	23	OFD1	13752832	rs7065102	23	13749780	A	G	0.24282	0.00334058	0.00808421	0.679443	-0.347134	0.0408656	1.99E-17	-0.0096233	0.023316	0.679801	0.5935679	16	0.93020759
ENSG00000046647	23	GEMIN8	14026398	rs11797935	23	14047834	T	G	0.296345	0.00323054	0.00785174	0.680747	-0.577137	0.0532084	2.07E-27	-0.0055975	0.0136144	0.6809648	0.6833878	16	0.93046593
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.35296	0.0377579	8.93E-21	-0.0258237	0.0215783	0.2314068	0.02848469	20	0.72599673
ENSG00000087842	23	PIR	15402921	rs3827466	23	15512734	G	A	0.650131	0.019018	0.00759353	0.0122625	0.421138	0.0423354	2.58E-23	0.0451586	0.0185937	0.01515269	0.2168649	20	0.34868323
ENSG00000130234	23	ACE2	15579156	rs5936019	23	15723145	C	T	0.533943	-0.0007882	0.0070492	0.910976	0.617837	0.075676	3.23E-16	-0.0012757	0.0114106	0.910984	0.7216493	10	0.98830215
ENSG00000147003	23	TMEM27	15645441	rs5936026	23	15734004	T	C	0.527415	-0.0013704	0.00705872	0.846063	0.590963	0.0624243	2.88E-21	-0.0023189	0.0119469	0.8460949	0.4726167	16	0.96709655
ENSG00000169249	23	ZRSR2	15808595	rs2189277	23	15847052	C	T	0.74282	-0.0075056	0.00824779	0.362816	-0.544333	0.0447065	4.19E-34	0.0137886	0.0151944	0.3641511	0.3898883	13	0.81243949
ENSG00000169891	23	REPS2	16964814	rs5924602	23	17151123	G	T	0.396867	-0.0072563	0.00715849	0.310743	0.138329	0.0249468	2.94E-08	-0.0524568	0.0526073	0.3186971	0.6762354	4	0.78557346
ENSG00000173681	23	CXorf23	19930978	rs7885068	23	20041696	A	T	0.207572	0.0165836	0.00830994	0.0459738	-0.320223	0.053135	1.67E-09	-0.0517877	0.0273362	0.05816283	0.7836332	10	0.52780415
ENSG00000173674	23	EIF1AX	20142636	rs59952398	23	20149005	A	G	0.203655	0.0142083	0.00845143	0.0927299	-0.211145	0.0355505	2.86E-09	-0.0672917	0.0415993	0.1057453	0.8247536	9	0.59966108
ENSG00000147041	23	SYTL5	37865835	rs4827326	23	37906636	G	A	0.695822	-0.0030471	0.00752601	0.685567	-0.245583	0.0375701	6.29E-11	0.0124077	0.0307042	0.6861362	0.4223941	13	0.93137246
ENSG00000183690	23	EFHC2	44007128	rs5906930	23	44206036	C	G	0.398172	0.00183632	0.00713144	0.796796	-0.275979	0.03675	5.93E-14	-0.0066538	0.0258557	0.7969123	0.8437519	15	0.94842062
ENSG00000147119	23	CHST7	46433219	rs6611274	23	46471748	T	C	0.516971	-0.0050781	0.00703873	0.470632	-0.352252	0.0412554	1.36E-17	0.0144161	0.0200533	0.4722082	0.02871645	16	0.85664168
ENSG00000068354	23	TBC1D25	48397845	rs77810867	23	48398114	A	G	0.0626632	-0.0267744	0.0124374	0.0313401	-0.237443	0.0388177	9.54E-10	0.112761	0.0555298	0.04229075	0.6561266	4	0.48672809
ENSG00000102007	23	PLP2	49028273	rs184339396	23	49043608	C	G	0.0221932	0.0156061	0.017018	0.359123	-0.722138	0.0915681	3.11E-15	-0.021611	0.0237249	0.3623495	0.9125224	3	0.81243949
ENSG00000204272	23	RP11-622K12.1	56755692	rs1930989	23	56949803	C	T	0.745431	0.00747995	0.0098437	0.447331	-0.246138	0.0378747	8.10E-11	-0.0303893	0.0402651	0.4504109	0.7302934	12	0.85502448
ENSG00000231831	23	MTHFD1P1	57419079	rs5914879	23	57058759	A	C	0.195822	0.00731701	0.0115465	0.526278	0.598918	0.0756728	2.48E-15	0.012217	0.0193406	0.5275974	0.05239782	11	0.87447889
ENSG00000169083	23	AR	66764465	rs2361629	23	66804969	G	A	0.856397	0.00722548	0.0103092	0.48338	0.432227	0.0643915	1.91E-11	0.0167169	0.023981	0.4857482	0.4570703	5	0.86080238
ENSG00000215162	23	LINC00269	68399400	rs6624391	23	68427473	C	T	0.313316	-0.0066514	0.0074666	0.373028	0.631117	0.0583204	2.72E-27	-0.010539	0.0118708	0.3746411	0.1420707	18	0.81854251
ENSG00000147164	23	SNX12	70279094	rs34211894	23	70282696	G	A	0.586162	-0.0012872	0.00706388	0.855414	-0.235649	0.0388047	1.26E-09	0.00546215	0.0299898	0.8554778	0.5234299	5	0.97220368
ENSG00000231963	23	RP11-493K23.4	72300006	rs67276087	23	72210780	A	G	0.133159	-0.0083423	0.0107421	0.437395	-0.461416	0.078895	4.96E-09	0.0180798	0.0234851	0.4413946	0.2933121	6	0.85502448
ENSG00000204118	23	NAP1L6	72345876	rs7066168	23	72376766	G	T	0.0953003	-0.0248176	0.0130524	0.0572519	0.582077	0.0855204	1.00E-11	-0.0426363	0.0232824	0.06706051	0.2014887	14	0.53758036
ENSG00000186675	23	MAGEE2	75002823	rs6647655	23	74398165	T	C	0.0274151	-0.0058622	0.0155135	0.705523	-0.568465	0.0988055	8.75E-09	0.0103123	0.027349	0.7061273	0.7853487	3	0.93460877
ENSG00000187325	23	TAF9B	77385245	rs321089	23	77556644	C	T	0.79765	-0.0006757	0.00868373	0.937975	0.310787	0.0434465	8.47E-13	-0.0021743	0.0279428	0.9379784	0.2004077	20	0.99132464
ENSG00000184788	23	SATL1	84347293	rs73234664	23	84516091	C	T	0.139687	-0.0058585	0.00948697	0.536886	-0.712381	0.0835706	1.54E-17	0.00822382	0.0133522	0.5379499	0.09729344	12	0.87657378
ENSG00000102362	23	SYTL4	99929488	rs4828052	23	99995933	G	C	0.519582	0.0005755	0.00708899	0.935297	0.423439	0.0403922	1.03E-25	0.00135911	0.016742	0.935299	0.3309519	11	0.99132464
ENSG00000188917	23	TRMT2B	100264335	rs5921708	23	100274985	G	C	0.417755	-0.0055615	0.00741717	0.453366	0.466332	0.0511637	7.90E-20	-0.0119261	0.0159591	0.4548886	0.4332097	7	0.85502448
ENSG00000126950	23	TMEM35	100333709	rs57587585	23	100339690	G	C	0.439948	-0.0008402	0.00715397	0.906508	0.140749	0.0211353	2.75E-11	-0.0059694	0.0508358	0.9065224	0.5442262	4	0.98799704
ENSG00000196440	23	ARMCX4	100673275	rs6621083	23	100760626	T	C	0.711488	0.00783139	0.00752249	0.297845	-0.266469	0.0337383	2.83E-15	-0.0293895	0.0284744	0.3020085	0.1048557	15	0.77272183
ENSG00000184905	23	TCEAL2	101380660	rs5944799	23	101051358	G	A	0.224543	-0.0133339	0.00917481	0.146135	-0.211962	0.0334174	2.26E-10	0.062907	0.0444068	0.1565979	0.3353667	15	0.64842413
ENSG00000184515	23	BEX5	101408680	rs5944784	23	101174719	A	G	0.698433	-0.0060389	0.00765976	0.430469	0.185291	0.0323051	9.71E-09	-0.0325913	0.0417278	0.434776	0.04715611	6	0.85502448
ENSG00000198932	23	GPRASP1	101906294	rs1034444	23	102164984	T	C	0.0796345	0.0078405	0.0104805	0.454397	-0.367144	0.0387205	2.50E-21	-0.0213554	0.0286347	0.4557967	0.3307398	15	0.85502448
ENSG00000102409	23	BEX4	102470020	rs2756051	23	102544041	A	G	0.413838	0.00095884	0.00705172	0.891843	0.136915	0.0239204	1.04E-08	0.00700315	0.0515189	0.8918738	0.4405344	10	0.98320466
ENSG00000172476	23	RAB40A	102754678	rs5987522	23	102690288	G	A	0.750653	-0.0056037	0.00901313	0.534121	-0.382189	0.036563	1.42E-25	0.0146621	0.0236246	0.5348427	0.03244037	18	0.87447889
ENSG00000231728	23	LL0XNC01-116E7.:	103172005	rs6621753	23	103173082	T	C	0.315927	-0.0054787	0.00740401	0.459323	-0.482255	0.0699009	5.23E-12	0.0113606	0.0154409	0.4618872	0.5619889	3	0.85502448
ENSG00000101812	23	H2BFM	103268269	rs3213519	23	103295320	C	G	0.332898	-0.0052145	0.00728671	0.474231	0.604903	0.0624055	3.23E-22	-0.0086203	0.0120789	0.475432	0.3051434	14	0.85676979
ENSG00000243978	23	RGAG1	109602044	rs5985472	23	109704185	C	T	0.417755	-0.0095446	0.00729944	0.191015	0.238222	0.0321324	1.23E-13	-0.0400661	0.0311143	0.1978474	0.3207345	7	0.69037633
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.422057	0.0462351	6.95E-20	-0.0309816	0.0189914	0.1028159	0.6275838	15	0.59893029
ENSG00000018610	23	CXorf56	118672112	rs12011895	23	118632618	A	G	0.0417755	0.00673613	0.019649	0.731732	-0.663838	0.0559981	2.04E-32	-0.0101472	0.0296115	0.7318394	0.995971	20	0.93605801
ENSG00000125351	23	UPF3B	118967985	rs2496229	23	119012300	T	G	0.549608	0.00352266	0.00705621	0.617618	-0.367177	0.0615549	2.45E-09	-0.0095939	0.0192846	0.6188442	0.6435287	9	0.91395475
ENSG00000125352	23	RNF113A	119004497	rs2496213	23	118977332	G	A	0.541775	0.00456456	0.00704922	0.517291	0.266388	0.0317902	5.31E-17	0.017135	0.0265411	0.518537	0.7382717	20	0.87041275
ENSG00000171155	23	C1GALT1C1	119759648	rs184429750	23	119789088	G	A	0.0391645	0.0312736	0.021201	0.140186	-0.519013	0.0899505	7.93E-09	-0.0602559	0.0421624	0.1529648	0.9873124	9	0.64465192
ENSG00000213468	23	RP11-453F18 B.1	130836678	rs4830233	23	130969964	C	T	0.711488	-0.0064044	0.00780573	0.411946	0.379703	0.0584872	8.47E-11	-0.0168669	0.020721	0.4156454	0.4288363	9	0.84490539
ENSG00000212747	23	FAM127C	134154543	rs2475853	23	134156121	C	G	0.75718	0.0049918	0.00754638	0.508302	0.350089	0.0540334	9.23E-11	0.0142587	0.0216677	0.5104983	0.08218132	3	0.87041275
ENSG00000203950	23	FAM127B	134184962	rs12849220	23	134195844	G	A	0.454308	0.00571699	0.00715181	0.424072	-0.183966	0.0288573	1.83E-10	-0.0310763	0.0391801	0.4276814	0.4480846	18	0.85416275
ENSG00000169551	23	CXorf48	134290461	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.555361	0.0723125	1.59E-14	-0.0166328	0.013896	0.2313245	0.6180642	16	0.72599673
ENSG00000236491	23	RP13-565O16.2	134314179	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.560368	0.0737506	3.00E-14	-0.0164842	0.0137754	0.2314473	0.7495304	11	0.72599673
ENSG00000203930	23	LINC00632	139791932	rs4824956	23	139854825	G	A	0.139687	0.0130813	0.0106195	0.218019	-0.439004	0.0703461	4.36E-10	-0.0297977	0.0246567	0.2268545	0.4601241	3	0.72023813
ENSG00000179542	23	SLITRK4	142710596	rs146188921	23	142714243	C	T	0.0691906	-0.0111979	0.0177088	0.527166	-0.337243	0.0574277	4.29E-09	0.0332042	0.052814	0.5295448	0.2866854	3	0.87447889
ENSG00000238039	23	AF011889.2	148593039	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.687749	0.0592719	3.97E-31	-0.0075715	0.0104722	0.4696763	0.9819245	20	0.85502448
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.708187	0.077108	4.14E-20	0.00631513	0.010691	0.5547233	0.6602134	13	0.88690277
ENSG00000063601	23	MTMR1	149861435	rs222424	23	149846229	G	A	0.560052	0.00076427	0.00704937	0.913665	-0.316567	0.0453935	3.08E-12	-0.0024143	0.0222709	0.9136753	0.3608986	15	0.98830215
ENSG00000130032	23	PRRG3	150863596	rs35662236	23	150863991	T	C	0.518277	-0.0048579	0.00726914	0.503948	-0.145082	0.0236856	9.05E-10	0.0334838	0.050401	0.5064681	0.6445419	4	0.87041275
ENSG00000224931	23	AC152010.1	152537078	rs2301185	23	152228776	T	C	0.25718	0.00862907	0.00828876	0.29785	-0.61438	0.0609711	7.01E-24	-0.0140452	0.0135631	0.3004145	0.5583882	17	0.77272183
ENSG00000225110	23	LL0XNC01-16G2.1	152583141	rs10183	23	152583276	A	G	0.532637	-0.0004651	0.00708097	0.947633	-0.301373	0.0317931	2.56E-21	0.00154319	0.0234963	0.9476341	0.8523823	14	0.99132464
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.10749	0.141666	5.38E-15	-0.0121665	0.0188539	0.5187304	0.3871253	9	0.87041275
ENSG00000177854	23	TMEM187	153237778	rs5945172	23	153243315	G	A	0.194517	0.00955257	0.00924187	0.301314	-0.357938	0.0618938	7.33E-09	-0.0266878	0.0262289	0.3089181	0.100335	5	0.77648702
ENSG00000147403	23	RPL10	153618315	rs12559	23	153630293	C	T	0.0835509	0.00758254	0.00984919	0.44138	-0.266756	0.0338916	3.52E-15	-0.028425	0.0370983	0.4435527	0.02760912	13	0.85502448
ENSG00000130827	23	PLXNA3	153686621	rs2239470	23	153598413	C	T	0.197128	-0.0098336	0.00825642	0.233643	-0.313381	0.0424557	1.57E-13	0.0313792	0.026687	0.2396668	0.12646	20	0.73372296
ENSG00000185010	23	F8	154064063	rs3861554	23	154209158	C	T	0.317232	-0.0170741	0.00757556	0.0242058	-0.234154	0.0411108	1.23E-08	0.0729183	0.0347938	0.03610675	0.3849376	15	0.45477223
ENSG00000185973	23	TMLHE	154719776	rs5940510	23	154683663	T	C	0.789817	0.0163699	0.00812381	0.0438985	-0.236104	0.0426554	3.11E-08	-0.0693334	0.0366169	0.05829366	0.7281287	11	0.52780415

Table S6. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in putamen

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000225880	1	LINC00115	761586	rs3115850	1	761147	C	T	0.838966	-0.0077542	0.0101849	0.446454	-0.843174	0.125115	1.59E-11	0.00919638	0.0121561	0.4493342	0.555489	4	0.84260552
ENSG00000272512	1	RP11-54O7.17	931346	rs2799060	1	931362	A	G	0.360835	-0.0060207	0.00818077	0.461758	-0.774435	0.0800127	3.71E-22	0.0077743	0.010594	0.4630474	0.5564943	20	0.84977892
ENSG00000131591	1	C1orf159	1017198	rs6689308	1	1029805	G	A	0.166998	-0.0045701	0.00996982	0.646667	-0.635485	0.0659197	5.40E-22	0.00719155	0.0157062	0.64704	0.6670122	18	0.91325402
ENSG00000205231	1	TTLL10-AS1	1108436	rs12096422	1	1110420	C	T	0.054672	-0.0009217	0.0155225	0.952652	1.07444	0.135113	1.83E-15	-0.0008578	0.0144475	0.9526539	0.6709716	9	0.98687457
ENSG00000162571	1	TTLL10	1109264	rs12096422	1	1110420	C	T	0.054672	-0.0009217	0.0155225	0.952652	0.833815	0.128487	8.61E-11	-0.0011054	0.018617	0.9526546	0.7049374	9	0.98687457
ENSG00000176022	1	B3GALT6	1167629	rs77994686	1	1170982	A	C	0.100398	-0.0095706	0.0120718	0.427894	-0.530265	0.0718101	1.53E-13	0.0180487	0.0228964	0.4305366	0.2144386	20	0.83898251
ENSG00000242485	1	MRPL20	1337288	rs2275915	1	1342612	C	G	0.16998	-0.0225282	0.0117561	0.0553261	0.393864	0.0525651	6.74E-14	-0.0571979	0.0308088	0.06337601	0.4497559	17	0.5655354
ENSG00000235098	1	ANKRD65	1353800	rs1240713	1	1345003	C	T	0.0944334	-0.0085408	0.0114184	0.454467	-0.937953	0.102185	4.35E-20	0.00910581	0.0122141	0.4559597	0.6711512	20	0.84363563
ENSG00000215915	1	ATAD3C	1385069	rs4590	1	1375810	G	C	0.188867	-0.0138068	0.00926983	0.136373	-0.744962	0.0855547	3.11E-18	0.0185336	0.0126241	0.1420741	0.9059465	20	0.65915078
ENSG00000160072	1	ATAD3B	1407143	rs144526264	1	1466393	A	G	0.0129225	0.0361086	0.042041	0.390401	-1.9242	0.210193	5.46E-20	-0.0187655	0.0219445	0.3924766	0.6326634	18	0.81370679
ENSG00000272106	1	RP11-345P4.9	1549138	rs4648611	1	1550702	G	A	0.706759	0.00023827	0.00908885	0.979085	-0.294936	0.0422224	2.84E-12	-0.0008079	0.0308166	0.9790852	0.02625463	12	0.99203323
ENSG00000189339	1	SLC35E2B	1592939	rs79113395	1	1590521	A	G	0.256461	0.00473859	0.00961137	0.621998	-0.86429	0.0672717	8.85E-38	-0.0054826	0.0111287	0.6222552	0.3594374	20	0.90610189
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.71568	0.222427	1.22E-14	-0.0077486	0.0180551	0.6678044	0.3309669	5	0.91826822
ENSG00000227775	1	RP1-283E3.4	1655951	rs147261530	1	1600156	G	C	0.245527	0.00236205	0.00975658	0.808704	0.886878	0.079946	1.35E-28	0.00266333	0.0110037	0.8087488	0.4503247	17	0.95110877
ENSG00000231050	1	RP1-140A9.1	1822910	rs3806168	1	1823524	C	G	0.197813	-0.0017534	0.0109635	0.872936	-1.02204	0.120073	1.71E-17	0.00171558	0.010729	0.8729586	0.7288668	20	0.97632232
ENSG00000233542	1	RP11-547D24.1	1944652	rs3128322	1	1954436	A	G	0.826044	-9.86E-05	0.0110353	0.992873	0.547579	0.0907425	1.60E-09	-0.00018	0.0201529	0.9928729	0.4262582	5	0.997455
ENSG00000162585	1	C1orf86	2115903	rs2503701	1	2121118	T	C	0.60835	-0.0103917	0.00836139	0.213935	-0.282967	0.0459921	7.63E-10	0.0367241	0.0301458	0.2231428	0.6458091	4	0.72892317
ENSG00000272420	1	RP4-740C4.7	2294500	rs10910055	1	2295778	C	A	0.352883	-0.0022631	0.00836611	0.786774	0.346579	0.0599673	7.49E-09	-0.0065297	0.0241655	0.7870016	0.9429646	6	0.94619098
ENSG00000157911	1	PEX10	2336236	rs10910063	1	2326918	A	G	0.274354	-0.0178106	0.00937622	0.0574923	0.301057	0.0498958	1.60E-09	-0.0591602	0.0326513	0.07000468	0.2689274	3	0.58210547
ENSG00000157870	1	FAM213B	2517930	rs368077828	1	2716569	G	C	0.0198807	-0.0168076	0.0328531	0.608932	-1.08443	0.195962	3.13E-08	0.015499	0.0304245	0.6104535	0.1700456	3	0.90402898
ENSG00000158109	1	TPRG1L	3541566	rs9662052	1	3574420	A	C	0.494036	0.0188646	0.00808505	0.0196341	-0.208906	0.0345839	1.54E-09	-0.0903019	0.0414887	0.02951493	0.5623494	4	0.45663232
ENSG00000130764	1	LRRC47	3696784	rs8520	1	3697137	T	G	0.310139	-0.0133087	0.00946581	0.159731	-0.29113	0.0526858	3.28E-08	0.0457139	0.03355	0.1730207	0.0638716	11	0.67633689
ENSG00000116198	1	CEP104	3728645	rs6688969	1	3743391	T	C	0.294235	0.00938638	0.00825216	0.255352	-0.274692	0.0416587	4.29E-11	-0.0341706	0.0304852	0.2623344	0.3042318	12	0.75616222
ENSG00000169598	1	DFFB	3773845	rs12071660	1	3796542	A	G	0.514911	-0.0031751	0.00805876	0.693585	0.419299	0.0543085	1.16E-14	-0.0075724	0.0192446	0.6939638	0.8738399	17	0.93377999
ENSG00000198912	1	C1orf174	3805689	rs35241263	1	3831232	G	A	0.737575	-0.0057946	0.00938069	0.536762	0.790147	0.112266	1.95E-12	-0.0073336	0.0119177	0.5383227	0.1542869	4	0.88027458
ENSG00000116237	1	ICMT	6281253	rs12070839	1	6283062	A	C	0.0467197	-0.0343259	0.0298971	0.250912	-0.432862	0.0657737	4.67E-11	0.0792999	0.0701116	0.2580335	0.07180062	8	0.75616222
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.869895	0.0874261	2.52E-23	0.00236411	0.00927877	0.7988874	0.02601175	20	0.94796036
ENSG00000269978	1	RP11-338N10.3	7760764	rs3124803	1	7755806	A	G	0.45328	0.00501282	0.00813458	0.537738	0.499	0.0860448	6.66E-09	0.0100457	0.0163935	0.5400178	0.07766977	5	0.88027458
ENSG00000238290	1	RP11-431K24.1	8086798	rs11577776	1	8094641	A	G	0.421471	0.00229403	0.00854176	0.788263	0.691787	0.108383	1.74E-10	0.00331609	0.0123583	0.7884461	0.2212526	8	0.94619098
ENSG00000142599	1	RERE	8412457	rs6678140	1	8436802	T	C	0.688867	0.0321028	0.00836653	0.00012452	-0.355498	0.0622151	1.10E-08	-0.0903037	0.0283486	0.00144518	0.9058548	6	0.15891002
ENSG00000198793	1	MTOR	11166592	rs7526649	1	11278163	T	C	0.723658	-0.0013049	0.00923862	0.88768	-0.327985	0.0587908	2.42E-08	0.00397844	0.0281768	0.8877155	0.08552038	13	0.97641549
ENSG00000242349	1	NPPA-AS1	11901074	rs198367	1	11906735	C	T	0.12326	0.0043671	0.0147681	0.76745	-0.807798	0.140607	9.19E-09	-0.0054062	0.0183061	0.7677489	0.1051021	4	0.94619098
ENSG00000116688	1	MFN2	12040238	rs2236054	1	12040324	G	A	0.44334	-0.0009977	0.00818773	0.903017	0.375037	0.0571221	5.18E-11	-0.0026602	0.0218356	0.9030339	0.8829719	5	0.97933547
ENSG00000175147	1	TMEM51-AS1	15442448	rs2013089	1	15479577	G	C	0.791252	0.00048646	0.0101937	0.961938	0.52107	0.0940625	3.03E-08	0.00093358	0.0195637	0.9619395	0.820358	10	0.98687457
ENSG00000162461	1	SLC25A34	16062900	rs12744547	1	16062378	G	A	0.210736	-0.0043028	0.0101469	0.671531	-0.747555	0.0896363	7.44E-17	0.00575578	0.013591	0.6719307	0.4428726	9	0.91829369
ENSG00000186510	1	CLCNKA	16345370	rs1763604	1	16339772	G	C	0.595427	0.0162148	0.00812784	0.0460458	-0.7246	0.0895712	5.98E-16	-0.0223776	0.0115531	0.05275247	0.5150235	20	0.56134584
ENSG00000232456	1	RP11-5P18.10	16361673	rs12728542	1	16383267	G	A	0.315109	-0.0090613	0.010737	0.398704	0.843336	0.107496	4.32E-15	-0.0107446	0.012805	0.4014171	0.3997843	14	0.81951022
ENSG00000185519	1	FAM131C	16384264	rs61769867	1	16380634	A	G	0.308151	-0.0079878	0.0107433	0.457166	0.690932	0.0853088	5.53E-16	-0.011561	0.0156144	0.4590543	0.6658978	20	0.84716384
ENSG00000142632	1	ARHGEF19	16524349	rs221052	1	16533022	T	C	0.740557	0.00746333	0.0095429	0.434166	-0.597014	0.0771501	1.01E-14	-0.0125011	0.0160658	0.4364994	0.6299314	5	0.84015584
ENSG00000058453	1	CROCC	17066768	rs6691985	1	17289911	T	C	0.310139	0.0143631	0.00840636	0.0875246	0.476796	0.0575849	1.23E-16	0.0301242	0.0180024	0.0942598	0.8541341	16	0.6126887
ENSG00000186715	1	MST1L	17081405	rs1985272	1	17188391	C	T	0.465209	0.00134508	0.0084758	0.873908	-0.624735	0.0956088	6.39E-11	-0.002153	0.013571	0.8739448	0.3023108	16	0.97641549
ENSG00000238142	1	RP11-108M9.4	17215033	rs696095	1	16802890	A	G	0.55169	-0.0035179	0.00807396	0.66305	-0.550886	0.0934933	3.81E-09	0.00638586	0.0146963	0.6639105	0.8469651	10	0.91799792
ENSG00000159423	1	ALDH4A1	19197926	rs17492693	1	19238529	C	T	0.0387674	0.0515468	0.0235094	0.0283361	0.711562	0.0980761	4.01E-13	0.0724418	0.0345149	0.03582996	0.3485159	9	0.46953024
ENSG00000127463	1	EMC1	19542158	rs10799717	1	19498296	G	A	0.429423	-0.0200842	0.00819341	0.0142357	-0.582793	0.055412	7.18E-26	0.034462	0.0144357	0.01697349	0.7239438	20	0.3923078
ENSG00000169914	1	OTUD3	20209006	rs10492999	1	20237760	G	A	0.05666	0.015587	0.0132551	0.239624	0.883438	0.106697	1.23E-16	0.0176436	0.0151546	0.244326	0.7661556	7	0.75018932
ENSG00000090432	1	MUL1	20825943	rs529974	1	20826910	A	G	0.357853	-0.0010286	0.00863291	0.90516	-0.431195	0.0647408	2.73E-11	0.00238542	0.0200241	0.9051745	0.6136689	19	0.97933547
ENSG00000158825	1	CDA	20915441	rs879088	1	20969441	A	T	0.243539	-0.0116375	0.00978924	0.234515	0.432524	0.0731557	3.37E-09	-0.026906	0.0230858	0.2438252	0.355645	17	0.75018932
ENSG00000117242	1	PINK1-AS	20969150	rs9287034	1	20973892	T	C	0.410537	-0.0138117	0.00828206	0.0953828	0.559893	0.100956	2.92E-08	-0.0246685	0.0154465	0.1102602	0.1766605	3	0.61771552
ENSG00000117245	1	KIF17	20990507	rs604659	1	21043913	C	T	0.661034	-0.007593	0.00850219	0.371823	0.367443	0.0466711	3.46E-15	-0.0206644	0.0232872	0.374878	0.1804851	10	0.8131246
ENSG00000227001	1	NBPF2P	21751118	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	0.780261	0.120242	8.64E-11	-0.0171173	0.0123012	0.1640692	0.9529183	3	0.6673288
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.14341	0.090407	1.16E-36	0.0116808	0.00825092	0.1568624	0.3474293	16	0.66726768
ENSG00000218510	1	LINC00339	22351681	rs11801382	1	22352108	T	C	0.27833	0.0065088	0.00916258	0.477476	1.17764	0.0970792	7.26E-34	0.00552699	0.00779379	0.4782297	0.1492449	13	0.85504619
ENSG00000133216	1	EPHB2	23037332	rs35801029	1	23142053	T	C	0.71173	-0.0171638	0.00888057	0.0532684	0.571503	0.0863746	3.68E-11	-0.0300327	0.0161883	0.06356657	0.5467016	5	0.5655354
ENSG00000179546	1	HTR1D	23516993	rs654585	1	23514714	C	T	0.449304	-0.0090247	0.00821002	0.271666	-0.290808	0.0475719	9.78E-10	0.0310333	0.0286846	0.2793057	0.9944726	10	0.76523773
ENSG00000204219	1	TCEA3	23707554	rs4649090	1	23781642	T	C	0.671968	-0.0132101	0.00910564	0.146845	0.448995	0.067164	2.31E-11	-0.0294215	0.0207521	0.1562611	0.1463994	17	0.66726768
ENSG00000001460	1	STPG1	24683489	rs2206348	1	24754268	G	A	0.237575	0.0161299	0.010101	0.110297	-0.490696	0.0592736	1.25E-16	-0.0328715	0.0209645	0.1168909	0.7891949	13	0.62351589
ENSG00000261349	1	RP3-465N24.5	25592593	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.757917	0.0988711	1.78E-14	0.0399851	0.0123181	0.00117015	0.4163407	12	0.15048433
ENSG00000187010	1	RHD	25598884	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-1.14152	0.0895478	3.21E-37	0.0268319	0.00770278	0.00049509	0.2371088	16	0.14569265
ENSG00000224183	1	SDHDP6	25620655	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-0.779228	0.0965742	7.11E-16	0.039307	0.0118977	0.00095401	0.1755022	8	0.15048433
ENSG00000188672	1	RHCE	25688740	rs1053438	1	25687901	C	T	0.44334	0.0129332	0.00805866	0.10852	-0.881757	0.0777439	8.14E-30	-0.0146675	0.00923036	0.1120485	0.01625959	12	0.61771552
ENSG00000157978	1	LDLRAP1	25870071	rs56214942	1	25891959	A	G	0.469185	-0.015201	0.00807624	0.0598109	0.478745	0.0452056	3.30E-26	-0.0317518	0.017134	0.06386114	0.01272385	7	0.5655354
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.831534	0.0732027	6.66E-30	0.017235	0.0119351	0.1487205	0.011366	20	0.66214005
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.53741	0.10454	5.86E-49	0.0139488	0.0125356	0.2658203	0.8129772	19	0.75616222
ENSG00000130770	1	ATPIF1	28562620	rs505966	1	28553377	G	A	0.262425	-0.0037502	0.00932152	0.687451	-0.209219	0.0339029	6.78E-10	0.0179247	0.0446485	0.6880792	0.8384498	6	0.93024642
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.09623	0.0818529	6.67E-41	0.0062789	0.00824536	0.4463543	0.5282279	20	0.84232919
ENSG00000204138	1	PHACTR4	28696114	rs9663017	1	28652725	G	A	0.461233	0.0148628	0.00811552	0.0670409	-0.463638	0.0478042	3.05E-22	-0.0320569	0.0178133	0.07192358	0.3593708	17	0.58576292
ENSG00000084628	1	NKAIN1	31652592	rs11584136	1	31685616	C	G	0.760437	0.00128925	0.00890456	0.88488	1.02243	0.0710033	5.19E-47	0.00126097	0.00870965	0.8848861	0.08331302	20	0.97641549
ENSG00000121766	1	ZCCHC17	31769842	rs10914374	1	31872581	G	T	0.166998	0.00370469	0.0101335	0.714671	-0.358126	0.0629755	1.29E-08	-0.0103447	0.0283543	0.7152344	0.05358343	7	0.93557648
ENSG00000121769	1	FABP3	31838472	rs6683793	1	31864450	A	G	0.152087	0.0155904	0.0115545	0.177242	-0.347063	0.0607714	1.12E-08	-0.044921	0.0342088	0.1891357	0.04872868	14	0.69131456
ENSG00000235790	1	RP11-73M7.6	32109650	rs10798887	1	32173811	A	G	0.537773	-0.0002472	0.008081	0.975592	0.413306	0.0586166	1.78E-12	-0.0005982	0.0195523	0.975592	0.7571552	6	0.99107604
ENSG00000084636	1	COL16A1	32117848	rs10798887	1	32173811	A	G	0.537773	-0.0002472	0.008081	0.975592	0.482356	0.0529481	8.24E-20	-0.0005126	0.0167533	0.9755919	0.7695214	11	0.99107604
ENSG00000121904	1	CSMD2	33979609	rs10914786	1	34292015	T	G	0.134195	0.00788664	0.0117141	0.500782	0.391295	0.064615	1.40E-09	0.0201552	0.0301212	0.5034076	0.55789	7	0.86961087
ENSG00000116883	1	RP11-268J15.5	36789335	rs12116935	1	36789546	G	A	0.421471	-0.0073506	0.00831824	0.376874	0.290856	0.0496272	4.61E-09	-0.0252722	0.0289224	0.3822306	0.6462977	4	0.8131246
ENSG00000233621	1	RP11-422J8.1	37920480	rs11264060	1	37944506	A	G	0.329026	-0.0196281	0.00818396	0.0164687	-0.862236	0.0863383	1.74E-23	0.0227642	0.00976143	0.01969781	0.05883908	15	0.40512316
ENSG00000163879	1	DNALI1	38022520	rs149082223	1	38016589	G	A	0.054672	0.0107942	0.0138871	0.436991	-0.519646	0.0860977	1.58E-09	-0.0207722	0.0269449	0.4407568	0.3019503	3	0.84015584
ENSG00000168653	1	NDUFS5	39491990	rs6682588	1	39521809	G	C	0.297217	0.00473042	0.00938508	0.614236	-0.286088	0.0380308	5.37E-14	-0.0165348	0.0328784	0.6150286	0.5650419	9	0.90402898
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.789132	0.0750496	7.38E-26	-0.0006005	0.0105945	0.9547984	0.416396	18	0.98687457
ENSG00000043514	1	TRIT1	40306723	rs3131689	1	40359485	T	C	0.16501	0.0167222	0.0101439	0.0992499	-0.456032	0.0725547	3.27E-10	-0.0366689	0.0229962	0.1108093	0.6330881	9	0.61771552
ENSG00000187815	1	ZFP69	40942887	rs74823942	1	40939387	C	T	0.175944	-0.0062836	0.0111886	0.574384	-0.578108	0.0960961	1.79E-09	0.0108693	0.019438	0.5760398	0.917659	3	0.88600607
ENSG00000238287	1	RP11-656D10.3	40958829	rs11208254	1	40959506	T	G	0.328032	-0.0033593	0.00881244	0.703059	-0.883771	0.11575	2.25E-14	0.00380104	0.00998383	0.7034111	0.7740259	18	0.93408
ENSG00000164008	1	C1orf50	43232940	rs61775634	1	43233484	A	G	0.253479	0.00382943	0.00845235	0.650504	-0.68113	0.0795206	1.08E-17	-0.0056222	0.0124267	0.6509603	0.4671097	20	0.91325402
ENSG00000228452	1	RP5-994D16.9	43241484	rs11210680	1	43076154	C	G	0.297217	0.00124731	0.00825226	0.879859	0.644989	0.111937	8.31E-09	0.00193385	0.0127988	0.8799002	0.6863344	12	0.97641549
ENSG00000177868	1	CCDC23	43272723	rs68054072	1	43280038	C	T	0.705765	-0.0007906	0.00833522	0.924432	-0.691678	0.0808636	1.19E-17	0.00114305	0.0120515	0.9244362	0.3114964	18	0.98428281
ENSG00000164010	1	ERMAP	43282795	rs12406643	1	43311563	G	A	0.16501	0.00028238	0.0113317	0.980119	-0.588061	0.0804601	2.70E-13	-0.0004802	0.0192697	0.9801193	0.1259411	3	0.99214992
ENSG00000227533	1	SLC2A1-AS1	43424720	rs841574	1	43436513	C	T	0.466203	-0.0085189	0.00812441	0.294383	0.809422	0.0954047	2.17E-17	-0.0105247	0.0101137	0.2980433	0.5539663	12	0.77262895
ENSG00000070785	1	EIF2B3	45316450	rs6688710	1	45218542	C	T	0.398608	-0.0029771	0.00808268	0.712623	0.270097	0.0443693	1.15E-09	-0.0110224	0.0299798	0.7131252	0.3071708	9	0.93557648
ENSG00000070759	1	TESK2	45809555	rs1417578	1	45850590	G	A	0.242545	0.00418296	0.00967741	0.665567	0.37217	0.0636242	4.93E-09	0.0112394	0.0260736	0.6664216	0.8835793	6	0.91826822
ENSG00000232022	1	RP5-1109J22.1	46897801	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	-0.774735	0.0815444	2.08E-21	-0.0017619	0.0111398	0.8743253	0.7833166	20	0.97641549
ENSG00000162366	1	PDZK1IP1	47649265	rs2248907	1	47655816	G	A	0.818091	0.00348568	0.0108468	0.74794	0.719762	0.103022	2.82E-12	0.00484282	0.0150859	0.7481981	0.4853129	7	0.94125725
ENSG00000272491	1	RP5-1024N4.4	48693560	rs3767618	1	48857670	A	G	0.422465	-0.0029459	0.0083369	0.723817	0.582272	0.0855622	1.01E-11	-0.0050594	0.0143372	0.7241738	0.5650836	6	0.93728518
ENSG00000227742	1	CALR4P	52027538	rs6588412	1	52016713	C	T	0.521869	-0.0073958	0.00825707	0.370418	-0.57604	0.0920858	3.96E-10	0.012839	0.0144804	0.3752686	0.6134946	4	0.8131246
ENSG00000134744	1	ZCCHC11	52873954	rs3087484	1	52850446	C	T	0.0596421	-0.0062208	0.0166944	0.709426	0.635121	0.0782976	4.99E-16	-0.0097946	0.0263131	0.7097189	0.929162	19	0.9353504
ENSG00000162377	1	SELRC1	53152508	rs269323	1	53126515	A	G	0.576541	-0.0055793	0.00829572	0.501237	0.262672	0.0459288	1.07E-08	-0.0212404	0.0317997	0.50417	0.8011273	4	0.86961087
ENSG00000162378	1	ZYG11B	53192126	rs533935	1	53308807	C	T	0.589463	0.00963005	0.00806681	0.232562	-0.215808	0.0370203	5.56E-09	-0.0446232	0.0381553	0.242196	0.3481441	14	0.75018932
ENSG00000162383	1	SLC1A7	53552855	rs3737989	1	53600078	G	A	0.159046	0.0209027	0.0107785	0.052465	0.994952	0.107663	2.43E-20	0.0210088	0.0110691	0.05770186	0.744707	19	0.56212074
ENSG00000162384	1	C1orf123	53679771	rs12145535	1	53693831	T	C	0.316103	-0.0129892	0.00825884	0.115773	-0.515936	0.0665649	9.13E-15	0.025176	0.0163337	0.1232313	0.2453514	14	0.6364137
ENSG00000162390	1	ACOT11	55007930	rs1655530	1	55074463	C	T	0.649105	0.00229919	0.0083241	0.782388	-0.295665	0.0480456	7.56E-10	-0.0077763	0.0281822	0.782601	0.9779982	8	0.94619098
ENSG00000134716	1	CYP2J2	60358980	rs12125747	1	60409057	T	C	0.111332	-0.0141602	0.0132529	0.285314	0.449962	0.0765268	4.11E-09	-0.0314698	0.0299357	0.2931462	0.1491973	4	0.77262895
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.17672	0.089288	1.16E-39	0.0138244	0.00735263	0.06008204	0.2499588	9	0.56212074
ENSG00000203965	1	EFCAB7	63989043	rs3850637	1	64061137	T	C	0.144135	-0.0240683	0.0118547	0.0423282	0.450774	0.0800862	1.82E-08	-0.0533933	0.0279571	0.05615512	0.7809204	3	0.56212074
ENSG00000185483	1	ROR1	64239693	rs35421478	1	64556678	A	T	0.229622	0.00903938	0.0100981	0.370702	-0.658637	0.0800026	1.83E-16	-0.0137244	0.0154222	0.3735134	0.7722401	3	0.8131246
ENSG00000213625	1	LEPROT	65886270	rs7545720	1	65856443	T	G	0.579523	0.0111858	0.00814174	0.169476	-0.412958	0.0430588	8.76E-22	-0.027087	0.0199169	0.1738301	0.08169718	17	0.67633689
ENSG00000197568	1	HHLA3	70820488	rs542842	1	70860841	G	A	0.193837	0.0018099	0.0110949	0.870417	-0.529296	0.0737974	7.38E-13	-0.0034195	0.020967	0.8704501	0.793522	7	0.97500756
ENSG00000172260	1	NEGR1	71861623	rs3101339	1	72748669	C	A	0.640159	0.0241719	0.00845008	0.00422902	0.204212	0.0342972	2.61E-09	0.118367	0.0459066	0.0099252	0.7628684	5	0.34100144
ENSG00000162620	1	LRRIQ3	74491699	rs533371	1	74687012	G	A	0.464215	0.00108298	0.00807081	0.893257	-0.921862	0.0985697	8.57E-21	-0.0011748	0.0087558	0.8932674	0.9406835	12	0.97905377
ENSG00000116783	1	TNNI3K	74663947	rs792323	1	74707594	T	C	0.142147	-0.0077154	0.0104864	0.461883	-0.656159	0.0999807	5.28E-11	0.0117584	0.0160816	0.4646732	0.734772	5	0.85004484
ENSG00000272864	1	RP11-17E13.2	75164453	rs28879157	1	75208034	G	C	0.685885	-0.0032761	0.00855508	0.701761	-0.651191	0.0808764	8.17E-16	0.00503097	0.0131524	0.7020816	0.2381658	17	0.93377999
ENSG00000116791	1	CRYZ	75171170	rs4145871	1	75218704	T	C	0.685885	-0.0032886	0.00855513	0.700679	-0.593115	0.0776212	2.15E-14	0.00554469	0.0144423	0.7010377	0.1777863	4	0.93377999
ENSG00000057468	1	MSH4	76262567	rs4612585	1	76369901	T	C	0.383698	-0.0051365	0.00816623	0.529353	-0.553213	0.0908029	1.11E-09	0.00928489	0.0148399	0.5315316	0.9960479	20	0.88027458
ENSG00000154027	1	AK5	77747736	rs6667519	1	78023753	T	C	0.746521	0.0145528	0.00878374	0.0975618	-0.235695	0.0397992	3.18E-09	-0.0617442	0.0386983	0.1105947	0.5015585	8	0.61771552
ENSG00000077254	1	USP33	78161672	rs6667519	1	78023753	T	C	0.746521	0.0145528	0.00878374	0.0975618	-0.215107	0.0382646	1.89E-08	-0.0676538	0.0425708	0.1120138	0.4865048	10	0.61771552
ENSG00000153898	1	MCOLN2	85391268	rs7516610	1	85459198	A	G	0.467197	-0.0019824	0.00824046	0.809889	-0.74919	0.0933678	1.02E-15	0.00264606	0.0110041	0.8099729	0.5089118	18	0.95170013
ENSG00000055732	1	MCOLN3	85483765	rs4907019	1	85522897	C	G	0.241551	0.00666912	0.00967591	0.490666	-0.840286	0.0829682	4.16E-24	-0.0079367	0.0115417	0.4916674	0.4507219	19	0.86503051
ENSG00000171502	1	COL24A1	86194916	rs12120396	1	86610803	A	G	0.16501	0.0116348	0.00923165	0.207554	-0.728428	0.0813896	3.56E-19	-0.0159725	0.0127984	0.2120299	0.00959141	20	0.71706814
ENSG00000122417	1	ODF2L	86814344	rs1830675	1	86810693	C	T	0.324056	0.00692597	0.00845273	0.412571	-0.319866	0.0490458	6.95E-11	-0.0216527	0.0266336	0.4162264	0.3100142	9	0.82837215
ENSG00000183291	1	15-Sep	87328132	rs519710	1	87351803	A	G	0.195825	-0.0101488	0.0107199	0.343779	0.442232	0.0480048	3.19E-20	-0.022949	0.0243681	0.3463129	0.5470691	20	0.80339547
ENSG00000267272	1	RP5-1052I5.1	87595448	rs6686259	1	87598117	G	T	0.728628	0.0114793	0.00893255	0.198755	0.2726	0.0454798	2.05E-09	0.0421104	0.0335127	0.2089158	0.4083261	9	0.71706814
ENSG00000137944	1	CCBL2	89401456	rs4656071	1	89440977	A	G	0.477137	-0.0093642	0.00810133	0.24773	-0.75159	0.0757031	3.14E-23	0.0124592	0.0108517	0.2509163	0.5730351	20	0.75417781
ENSG00000117226	1	GBP3	89472349	rs12121223	1	89481583	T	C	0.32008	0.0176619	0.00946381	0.0620055	-0.878284	0.0716293	1.46E-34	-0.0201096	0.0108994	0.06503634	0.4526414	20	0.57090013
ENSG00000213512	1	GBP7	89597434	rs6659897	1	89527757	T	C	0.493042	-0.0159769	0.00815991	0.0502331	0.6049	0.0915233	3.86E-11	-0.0264125	0.0140692	0.06047321	0.9465912	16	0.56212074
ENSG00000231613	1	RP5-943J3.1	90254473	rs36186660	1	90242817	A	G	0.470179	-0.0064849	0.00830534	0.434916	-0.629533	0.100118	3.22E-10	0.0103011	0.0132942	0.4384247	0.2937178	4	0.84015584
ENSG00000162669	1	HFM1	91726323	rs4658222	1	91866751	G	C	0.0725646	-0.0266111	0.0134686	0.0481792	1.03893	0.144799	7.23E-13	-0.0256139	0.0134465	0.05679505	0.8493984	9	0.56212074
ENSG00000067208	1	EVI5	92974253	rs11164605	1	92946479	A	G	0.809145	-0.0141159	0.00964956	0.143507	-0.347673	0.0623556	2.47E-08	0.0406011	0.0286941	0.1570788	0.8357004	12	0.66726768
ENSG00000223745	1	RP4-717I23.3	93727743	rs10874774	1	93799002	T	C	0.805169	-0.0013983	0.0109173	0.898083	0.968178	0.0812886	1.05E-32	-0.0014443	0.0112768	0.8980885	0.07162069	16	0.97933547
ENSG00000230439	1	RP11-488P3.1	94218480	rs1980083	1	94207992	A	G	0.37674	0.0057744	0.00850483	0.497166	0.737088	0.106725	4.97E-12	0.00783407	0.011594	0.4992323	0.547645	11	0.86847333
ENSG00000143036	1	SLC44A3	95285898	rs4847361	1	95302656	T	C	0.892644	0.0158103	0.0126938	0.212942	0.585578	0.0702792	7.94E-17	0.0269995	0.0219182	0.2180137	0.2168155	3	0.72551687
ENSG00000122481	1	RWDD3	95699711	rs77027822	1	95676957	T	C	0.918489	-0.0105899	0.013548	0.434413	-0.881589	0.107769	2.83E-16	0.0120123	0.0154377	0.436502	0.5301703	20	0.84015584
ENSG00000162688	1	AGL	100315640	rs2392075	1	100311034	C	T	0.181909	-0.0113617	0.0101275	0.261918	-0.460625	0.0628016	2.22E-13	0.0246658	0.0222421	0.2674436	0.4283575	10	0.75616222
ENSG00000240038	1	AMY2B	104096437	rs11184556	1	104125556	T	C	0.298211	0.0183674	0.00919841	0.0458469	-0.221997	0.0396449	2.15E-08	-0.0827372	0.0439905	0.0599994	0.433434	5	0.56212074
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-0.47418	0.0682358	3.68E-12	-0.0200419	0.0201032	0.3187865	0.4194438	10	0.77686195
ENSG00000181754	1	AMIGO1	110046797	rs2570972	1	110052139	G	A	0.484095	-0.0009225	0.00808647	0.909171	0.238311	0.0356347	2.27E-11	-0.0038712	0.0339374	0.909184	0.4830075	11	0.97933547
ENSG00000168765	1	GSTM4	110198703	rs524998	1	110169957	G	A	0.676938	0.00637293	0.00892459	0.475173	0.486513	0.0615763	2.77E-15	0.0130992	0.0184188	0.4769678	0.6139362	4	0.85452952
ENSG00000134201	1	GSTM5	110254864	rs4970776	1	110271457	A	T	0.379722	0.00238489	0.00822266	0.771786	-0.886253	0.0924173	8.84E-22	-0.002691	0.00928225	0.771888	0.2581262	20	0.94619098
ENSG00000134202	1	GSTM3	110276554	rs11101992	1	110266754	C	A	0.23161	-0.013022	0.00967612	0.17837	0.907526	0.0798346	6.06E-30	-0.0143489	0.0107365	0.1814009	0.2191236	17	0.68192098
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.765957	0.0701469	9.32E-28	0.00609671	0.011294	0.5893207	0.3479584	19	0.89299276
ENSG00000085465	1	OVGP1	111956936	rs1264899	1	111992095	T	C	0.393638	0.00443182	0.00809663	0.584128	-0.226735	0.0405174	2.19E-08	-0.0195463	0.0358801	0.5859144	0.07653185	8	0.89030461
ENSG00000260948	1	RP11-552M11.8	111973668	rs1264914	1	111973893	T	C	0.387674	0.00642657	0.00814226	0.429945	-0.751283	0.0881259	1.53E-17	-0.0085541	0.0108842	0.4319117	0.02148674	15	0.83899778
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	0.726153	0.0779977	1.28E-20	-0.0002429	0.013474	0.9856174	0.4784595	8	0.99484259
ENSG00000273483	1	RP4-671G15.2	113060421	rs12046466	1	113208039	C	T	0.512922	0.0094902	0.00825223	0.250137	0.407917	0.0717203	1.29E-08	0.023265	0.0206396	0.2596557	0.6305336	5	0.75616222
ENSG00000007341	1	ST7L	113066140	rs7512948	1	113081176	A	G	0.523857	-0.0048398	0.00824842	0.557368	0.492567	0.0865013	1.24E-08	-0.0098257	0.0168344	0.5594453	0.2532553	7	0.88384542
ENSG00000226419	1	RP11-31F15.1	113499037	rs7524567	1	113504658	G	A	0.235586	-0.00478	0.0089281	0.592381	-0.482027	0.082299	4.71E-09	0.00991648	0.0185992	0.5939183	0.9177118	3	0.89561036
ENSG00000116830	1	TTF2	117602925	rs3767775	1	117603871	G	A	0.0526839	-0.0078851	0.015567	0.612486	1.29501	0.164755	3.84E-15	-0.0060889	0.0120457	0.6132212	0.740609	4	0.90402898
ENSG00000116874	1	WARS2	119573839	rs2645291	1	119572541	T	C	0.45328	-0.009137	0.00805614	0.256725	-0.810805	0.0868978	1.05E-20	0.011269	0.0100091	0.2602168	0.2201933	20	0.75616222
ENSG00000231365	1	RP11-418J17.1	119683019	rs10923767	1	119732347	T	C	0.27833	-0.011797	0.00933834	0.206486	-0.803224	0.101338	2.26E-15	0.0146871	0.0117728	0.2121993	0.4948227	20	0.71706814
ENSG00000223345	1	HIST2H2BA	120906028	rs10903164	1	121160302	A	G	0.60338	-0.0105787	0.00845471	0.210856	0.61153	0.0942534	8.69E-11	-0.0172987	0.0140802	0.2192283	0.3357314	15	0.72614309
ENSG00000223804	1	RP6-206I17.1	143647638	rs80255091	1	144600865	T	C	0.223658	-0.000861	0.00951408	0.927893	-0.606787	0.101689	2.42E-09	0.00141892	0.0156812	0.9279014	0.7266725	8	0.98448404
ENSG00000237188	1	RP11-337C18.8	146644350	rs112057010	1	146598683	A	G	0.233598	0.0011436	0.00949181	0.904101	0.567855	0.0877897	9.91E-11	0.00201389	0.0167181	0.9041172	0.9824503	20	0.97933547
ENSG00000162836	1	ACP6	147101453	rs2275552	1	147131945	C	T	0.718688	-0.0044343	0.00923196	0.631004	0.753692	0.0666386	1.17E-29	-0.0058834	0.01226	0.6313109	0.4758985	13	0.90905977
ENSG00000143437	1	ARNT	150782181	rs9733	1	150618961	G	T	0.579523	-0.0010474	0.00855124	0.902515	-0.359569	0.0513375	2.49E-12	0.00291293	0.0237856	0.9025296	0.121377	20	0.97933547

ENSG00000159352	1	PSMD4	151227179	rs7518924	1	151291701	C	T	0.639165	0.0070028	0.00810996	0.387873	0.247715	0.0443389	2.31E-08	0.0282696	0.0331278	0.3934656	0.04886823	6	0.81370679
ENSG00000178796	1	RIIAD1	151682909	rs76990585	1	151795777	T	C	0.193837	-0.0152776	0.0115232	0.184903	-0.383584	0.0590232	8.09E-11	0.0398286	0.0306596	0.1939249	0.7565531	7	0.69251395
ENSG00000237975	1	FLG-AS1	152140601	rs61815526	1	152238688	A	G	0.133201	-0.0067935	0.0119593	0.570003	-1.20919	0.151841	1.67E-15	0.00561818	0.00991547	0.5709807	0.223157	19	0.88600607
ENSG00000203786	1	KPRP	152730506	rs11588950	1	152710165	T	G	0.39165	0.00024774	0.00873288	0.977368	0.375522	0.067385	2.51E-08	0.00065973	0.0232556	0.9773681	0.3132093	9	0.99140252
ENSG00000189171	1	S100A13	153591263	rs9726753	1	153591652	A	G	0.460239	0.014715	0.00816134	0.0713855	0.4366	0.0410827	2.22E-26	0.0337036	0.0189601	0.07546775	0.8451135	18	0.58576292
ENSG00000272030	1	RP1-178F15.4	153603914	rs28510471	1	153609886	G	C	0.524851	0.0106166	0.00805305	0.187394	-0.511855	0.0827032	6.05E-10	-0.0207414	0.016086	0.1972573	0.7365029	5	0.69946642
ENSG00000143575	1	HAX1	154244987	rs7522777	1	154260361	G	C	0.327038	-0.0091118	0.00836598	0.276086	0.312866	0.0444309	1.90E-12	-0.0291237	0.0270578	0.2817692	0.7487872	6	0.76635258
ENSG00000163354	1	DCST2	154990996	rs12404174	1	155001004	C	G	0.360835	0.00908685	0.0081725	0.266189	-0.552844	0.077375	9.00E-13	-0.0164366	0.0149606	0.2719173	0.07096998	13	0.76018963
ENSG00000163382	1	APOA1BP	156561554	rs35792841	1	156584249	T	C	0.244533	0.0224824	0.00962949	0.0195569	-0.49544	0.071693	4.83E-12	-0.0453787	0.0205155	0.02697238	0.9510626	13	0.45557341
ENSG00000188004	1	C1orf204	159804264	rs11807946	1	159824205	T	C	0.241551	-0.0003187	0.00923912	0.972483	-0.658829	0.0884217	9.26E-14	0.00048373	0.0140237	0.9724834	0.2875102	10	0.99011717
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.988681	0.067867	4.49E-48	0.0131352	0.0084651	0.1207373	0.3559583	13	0.63597951
ENSG00000162728	1	KCNJ9	160051360	rs7512587	1	160033143	C	T	0.526839	-0.0021641	0.00806536	0.788453	0.388854	0.0646231	1.77E-09	-0.0055653	0.020762	0.7886597	0.9502709	9	0.94619098
ENSG00000122218	1	COPA	160259063	rs6669995	1	160297924	T	C	0.511928	0.00036243	0.00806663	0.964163	0.281453	0.0407944	5.23E-12	0.00128772	0.0286613	0.9641639	0.3679328	12	0.98687457
ENSG00000185860	1	C1orf110	162794248	rs12137443	1	162835703	C	T	0.186879	0.0342065	0.0107684	0.00149032	0.792362	0.0952988	9.21E-17	0.0431703	0.0145483	0.00300356	0.3009742	13	0.21967892
ENSG00000225171	1	DUTP6	166837985	rs6675750	1	166827224	A	G	0.417495	0.00012425	0.00821184	0.987928	0.658603	0.0995828	3.75E-11	0.00018866	0.0124686	0.9879276	0.7092758	5	0.99484259
ENSG00000143194	1	MAEL	166958346	rs7551881	1	166955312	T	G	0.32505	-0.0066086	0.00853796	0.438916	-0.750379	0.0931544	7.93E-16	0.008807	0.0114306	0.4410178	0.6901775	20	0.84015584
ENSG00000143162	1	CREG1	167498914	rs41270716	1	167511595	T	A	0.0964215	-0.011778	0.0138766	0.39601	-0.488691	0.0893946	4.59E-08	0.0241011	0.0287357	0.4016276	0.4763071	3	0.81951022
ENSG00000188404	1	SELL	169659808	rs17589728	1	169615767	A	C	0.237575	0.0165366	0.0101078	0.101836	-0.439574	0.0794613	3.17E-08	-0.0376196	0.0239791	0.1166822	0.1188216	11	0.62351589
ENSG00000171806	1	METTL18	169761670	rs9645329	1	169804720	A	T	0.0964215	-0.0211875	0.0159972	0.185354	-0.987355	0.128218	1.35E-14	0.0214588	0.01644	0.1917958	0.6373908	7	0.69251395
ENSG00000000457	1	SCYL3	169818772	rs10753796	1	169757487	C	A	0.489066	0.00879637	0.00815605	0.280807	-0.540035	0.0823401	5.43E-11	-0.0162885	0.0153057	0.287231	0.5263167	8	0.76780717
ENSG00000162753	1	SLC9C2	173469603	rs10494491	1	174003151	C	G	0.111332	0.0217829	0.0136264	0.109914	0.899273	0.152497	3.70E-09	0.0242228	0.0156996	0.1228564	0.6606466	8	0.6364137
ENSG00000117593	1	DARS2	173793641	rs2144708	1	173780119	G	A	0.277336	0.0149788	0.00945185	0.113024	-0.58508	0.0927294	2.80E-10	-0.0256013	0.0166566	0.1242912	0.9584059	7	0.64063374
ENSG00000242193	1	RP11-568K15.1	177975271	rs7530170	1	178001395	A	G	0.128231	0.00097572	0.012676	0.938645	-0.330763	0.0499527	3.56E-11	-0.0029499	0.0383261	0.9386488	0.9117161	3	0.9855112
ENSG00000143322	1	ABL2	179068462	rs2793803	1	179201438	C	A	0.38668	0.0012603	0.00848299	0.881894	0.337165	0.0482572	2.81E-12	0.00373793	0.0251654	0.8819211	0.1588001	20	0.97641549
ENSG00000135835	1	KIAA1614	180882290	rs4652542	1	180929200	C	T	0.399602	0.00912457	0.0080991	0.259905	-0.460612	0.0736987	4.11E-10	-0.0198097	0.0178667	0.2675399	0.2341758	8	0.75616222
ENSG00000135823	1	STX6	180941861	rs1411478	1	180962282	G	A	0.569583	0.0153279	0.00846962	0.0703348	-0.460344	0.0627955	2.29E-13	-0.0332966	0.0189508	0.07891728	0.9795265	3	0.59555489
ENSG00000058085	1	LAMC2	183155373	rs2276543	1	183155305	A	G	0.293241	0.0117543	0.00840645	0.162039	0.433599	0.0611166	1.30E-12	0.0271087	0.0197606	0.1701076	0.3101704	14	0.67466827
ENSG00000198756	1	COLGALT2	183898796	rs7539021	1	183935831	G	A	0.604374	0.00067192	0.00818955	0.934611	0.567042	0.0578772	1.16E-22	0.00118495	0.0144431	0.9346128	0.8716332	10	0.9855112
ENSG00000118197	1	DDX59	200593024	rs12061556	1	200650239	C	G	0.425447	0.0215943	0.00805502	0.00734345	-0.518801	0.0675034	1.52E-14	-0.0416235	0.0164437	0.01136486	0.5483111	10	0.36134778
ENSG00000260088	1	RP11-92G12.3	200638635	rs6688581	1	200639156	A	G	0.477137	-0.0192724	0.00806751	0.0168993	-0.895348	0.0771796	4.08E-31	0.021525	0.00919953	0.01929424	0.2945149	20	0.40512316
ENSG00000198892	1	SHISA4	201857808	rs10920265	1	201822955	T	C	0.206759	-0.0148616	0.00946628	0.116426	-0.377082	0.0583527	1.03E-10	0.0394121	0.0258343	0.1271158	0.4039896	5	0.64885609
ENSG00000214796	1	RP11-480I12.5	202820956	rs11580430	1	202833085	A	G	0.564612	-0.0050222	0.00806159	0.533299	0.676293	0.0928731	3.29E-13	-0.0074261	0.0119638	0.5347903	0.5891212	5	0.88027458
ENSG00000163444	1	TMEM183A	202976514	rs1690820	1	202994633	G	C	0.512922	0.00806549	0.00820009	0.325319	-0.243508	0.0358013	1.03E-11	-0.0331221	0.0340251	0.3303249	0.8558199	3	0.79175968
ENSG00000174529	1	TMEM81	205052258	rs10751429	1	205107478	T	C	0.607356	0.01047	0.00819346	0.201302	-0.405792	0.0647703	3.73E-10	-0.0258014	0.020607	0.2105443	0.07387902	13	0.71706814
ENSG00000133059	1	DSTYK	205111632	rs12136320	1	205110946	C	T	0.60835	0.0111712	0.0082032	0.173259	0.395577	0.0683083	6.99E-09	0.0282403	0.021303	0.1849558	0.4256447	14	0.68770868
ENSG00000133069	1	TMCC2	205197304	rs1172129	1	205244972	A	T	0.369781	0.00706545	0.00813249	0.38496	-0.286247	0.0515279	2.77E-08	-0.0246831	0.0287561	0.3906942	0.06145735	10	0.8131246
ENSG00000117266	1	CDK18	205473723	rs4623769	1	205492679	A	G	0.0506958	0.0222228	0.0186629	0.233752	-0.374693	0.0680219	3.62E-08	-0.0593094	0.050959	0.2444788	0.6334291	3	0.75018932
ENSG00000117280	1	RAB7L1	205737114	rs823118	1	205723572	T	C	0.534791	0.0126965	0.0081637	0.119889	0.23266	0.0399393	5.70E-09	0.054571	0.0363175	0.1329399	0.4433453	4	0.64953202
ENSG00000162877	1	PM20D1	205797150	rs9438393	1	205782718	G	A	0.394632	0.0119225	0.00809409	0.140753	-0.808826	0.11014	2.08E-13	-0.0147405	0.0102065	0.1486764	0.06215326	7	0.66214005
ENSG00000261000	1	RP11-534L20.5	206677281	rs6693843	1	206677765	A	G	0.492048	0.0103029	0.0082178	0.209941	0.847711	0.0788926	6.25E-27	0.0121538	0.00975987	0.2130282	0.450277	13	0.71706814
ENSG00000117335	1	CD46	207925402	rs4844619	1	207960708	T	C	0.203777	0.00645693	0.00973027	0.506951	-0.460213	0.0540063	1.58E-17	-0.0140303	0.021207	0.5082346	0.3276718	11	0.87067964
ENSG00000143469	1	SYT14	210111538	rs61820640	1	210041297	T	G	0.22167	0.00529455	0.00975466	0.587286	-0.5389	0.0826619	7.06E-11	-0.0098247	0.0181637	0.5885765	0.9814193	3	0.89267436
ENSG00000203706	1	SERTAD4-AS1	210404801	rs624270	1	210406940	C	T	0.440358	-0.011447	0.00811761	0.158497	0.433731	0.0673451	1.19E-10	-0.0263919	0.0191591	0.1683541	0.2657246	8	0.67338032
ENSG00000153363	1	LINC00467	211556145	rs111743427	1	211727564	C	T	0.0218688	-0.0101676	0.0259867	0.695602	-0.976382	0.178568	4.56E-08	0.0104135	0.0266834	0.6963415	0.3386658	6	0.93377999
ENSG00000236809	1	SNX25P1	211590367	rs34160213	1	211589798	C	G	0.205765	-0.0041904	0.0110908	0.705562	0.843846	0.124374	1.16E-11	-0.0049658	0.0131635	0.705995	0.2711227	20	0.93408
ENSG00000226251	1	RP11-15I11.3	212398620	rs2884466	1	212555668	A	G	0.200795	-0.0007562	0.010457	0.94235	1.10128	0.105851	2.38E-25	-0.0006867	0.00949554	0.9423515	0.6950743	16	0.98645998
ENSG00000065600	1	TMEM206	212537273	rs12410664	1	212494650	T	C	0.366799	0.00940489	0.00911468	0.302147	-0.303551	0.0412829	1.94E-13	-0.0309829	0.0303211	0.3068625	0.5490815	20	0.7730656
ENSG00000123685	1	BATF3	212859760	rs2202683	1	212873074	T	C	0.12326	-0.0061392	0.0138313	0.65714	0.384445	0.0657262	4.94E-09	-0.0159691	0.0360808	0.6580605	0.9287	3	0.9169069
ENSG00000198468	1	FLVCR1-AS1	213025450	rs12043852	1	213059806	A	C	0.526839	0.00210317	0.00819708	0.797506	1.10954	0.091156	4.39E-34	0.00189553	0.00738946	0.7975505	0.5464492	20	0.94705994
ENSG00000162769	1	FLVCR1	213031597	rs12036853	1	213078181	T	A	0.249503	0.00227949	0.010291	0.824701	0.531812	0.069031	1.32E-14	0.00428627	0.0193588	0.8247718	0.7651481	14	0.9562081
ENSG00000067533	1	RRP15	218458629	rs56238934	1	218496066	C	T	0.403579	0.0143169	0.00806445	0.0758473	0.67377	0.0787216	1.14E-17	0.0212489	0.0122239	0.08215633	0.09777892	6	0.59786567
ENSG00000162817	1	C1orf115	220863187	rs6669951	1	220875918	G	C	0.027833	-0.0134598	0.0223661	0.547312	-0.557009	0.0998845	2.45E-08	0.0241644	0.0403871	0.5496259	0.6882421	12	0.88223002
ENSG00000272823	1	RP11-295M18.6	221002018	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.745174	0.10135	1.95E-13	-0.0074222	0.011497	0.5185515	0.3082341	12	0.87335446
ENSG00000238078	1	RP11-295M18.2	221002597	rs11118618	1	221011546	T	C	0.244533	-0.0084943	0.00939039	0.365691	0.87988	0.120446	2.77E-13	-0.0096539	0.0107539	0.3693361	0.05237873	15	0.8131246
ENSG00000154305	1	MIA3	222791428	rs17163345	1	222806218	G	A	0.729622	0.00419489	0.00920053	0.648433	-0.226106	0.038044	2.79E-09	-0.0185528	0.0408108	0.649394	0.4638144	10	0.91325402
ENSG00000272750	1	RP11-378J18.8	222832209	rs36079339	1	222841614	A	G	0.737575	0.00622464	0.00925388	0.501169	-0.823638	0.0780814	5.16E-26	-0.0075575	0.0112582	0.5020368	0.3677298	20	0.86877057
ENSG00000203697	1	CAPN8	223711349	rs12132879	1	223900795	T	C	0.0924453	0.00611804	0.0207217	0.767805	1.03823	0.172801	1.88E-09	0.00589276	0.0199828	0.7680763	0.947433	9	0.94619098
ENSG00000272645	1	RP11-504P24.8	224139096	rs9699672	1	224119289	A	G	0.413519	-0.0114515	0.00817586	0.161318	-0.425389	0.0575108	1.40E-13	0.0269201	0.0195613	0.1687624	0.07232799	11	0.67338032
ENSG00000196187	1	TMEM63A	226033237	rs360063	1	226036309	G	A	0.576541	0.0126273	0.00811281	0.119599	-0.222302	0.0359286	6.12E-10	-0.0568025	0.0376315	0.131187	0.4215879	12	0.64953202
ENSG00000243709	1	LEFTY1	226073982	rs4653689	1	226024216	C	T	0.275348	-0.0124125	0.00855166	0.146647	-0.421825	0.0761861	3.08E-08	0.0294257	0.020958	0.1603101	0.4329646	5	0.66726768
ENSG00000163041	1	H3F3A	226249552	rs6692329	1	226278185	A	G	0.718688	-0.0073238	0.00897563	0.414519	-0.786534	0.0796763	5.53E-23	0.00931151	0.0114505	0.4161069	0.1654921	20	0.82837215
ENSG00000143740	1	SNAP47	227916240	rs12073225	1	227953387	G	A	0.240557	-0.0220878	0.00902071	0.0143427	-0.254551	0.0390392	7.01E-11	0.0867716	0.037854	0.02189015	0.09639913	9	0.43015016
ENSG00000135744	1	AGT	230838269	rs3789649	1	230816460	T	C	0.210736	-0.0033623	0.00912646	0.712564	-0.257045	0.0388891	3.85E-11	0.0130807	0.0355604	0.7129899	0.1767718	15	0.93557648
ENSG00000135773	1	CAPN9	230883130	rs11579420	1	230896238	G	A	0.571571	0.00289741	0.00826379	0.725877	0.49447	0.0673231	2.06E-13	0.00585963	0.0167315	0.7261763	0.630762	20	0.93728518
ENSG00000182118	1	FAM89A	231154704	rs11122202	1	231179085	G	A	0.468191	0.00956844	0.00812875	0.239151	-0.500489	0.0737586	1.16E-11	-0.0191182	0.0164842	0.2461346	0.1418884	9	0.75018932
ENSG00000135778	1	NTPCR	233086351	rs12744791	1	233089728	T	C	0.16004	0.0029736	0.0107728	0.782526	1.10304	0.0915405	1.95E-33	0.00269582	0.00976903	0.7825818	0.4912838	11	0.94619098
ENSG00000224939	1	LINC00184	234765057	rs12725027	1	234765989	A	G	0.232604	-0.0111387	0.0103995	0.284137	0.646743	0.104759	6.68E-10	-0.0172228	0.01632	0.291281	0.04342868	8	0.77023102
ENSG00000086619	1	ERO1LB	236378855	rs56810408	1	236355457	T	C	0.111332	-0.0091972	0.0126098	0.465777	-0.805713	0.115765	3.40E-12	0.011415	0.0157362	0.4682086	0.08664702	11	0.85004484
ENSG00000230325	1	RP11-385F5.4	236703394	rs2472124	1	236701862	T	C	0.675944	0.0240415	0.00919191	0.00890964	0.892917	0.107014	7.19E-17	0.0269247	0.0107881	0.01256862	0.3847872	20	0.36421138
ENSG00000180875	1	GREM2	240652873	rs2153290	1	240696879	A	G	0.540755	0.00483692	0.00809495	0.550159	-0.342558	0.0425366	8.06E-16	-0.01412	0.0236958	0.5512519	0.05816655	6	0.88223002
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.00624	0.0738192	2.61E-42	0.00646889	0.00823506	0.4321426	0.6834354	20	0.83899778
ENSG00000224525	1	RP11-561I11.3	242366857	rs2840603	1	242315883	C	A	0.408549	0.00617772	0.00827328	0.455241	0.845856	0.0820112	6.10E-25	0.00730351	0.00980656	0.4564179	0.6978637	20	0.84363563
ENSG00000253326	1	RP11-261C10.7	243218163	rs806233	1	243181422	A	G	0.497018	-0.0053669	0.00817562	0.511535	0.651276	0.110924	4.32E-09	-0.0082406	0.0126315	0.5141532	0.5694805	20	0.87335446
ENSG00000272195	1	RP11-156E8.1	245132652	rs4658684	1	245157882	T	C	0.584493	0.0261224	0.00866204	0.0025636	1.03339	0.0778847	3.54E-40	0.0252784	0.00859595	0.00327441	0.1005644	20	0.22156814
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.799601	0.0582526	7.05E-43	-0.0142651	0.0101889	0.1614933	0.00148578	20	0.66726768
ENSG00000235021	1	RP11-439E19.7	246853349	rs10802432	1	246854862	C	T	0.337972	0.00449357	0.00884209	0.611312	0.612402	0.0996642	8.01E-10	0.00733761	0.0144877	0.6125247	0.5019511	5	0.90402898
ENSG00000260855	1	RP11-439E19.10	246935603	rs3795465	1	246939856	A	G	0.408549	0.0123795	0.00859621	0.149836	0.388552	0.069636	2.41E-08	0.0318606	0.0228487	0.1631918	0.7053099	16	0.66726768
ENSG00000221953	1	C1orf229	247273462	rs6696117	1	247273748	T	C	0.364811	0.00668193	0.00866841	0.440803	-0.568165	0.0808341	2.08E-12	-0.0117605	0.0153483	0.4435319	0.6596934	18	0.84025893
ENSG00000196418	1	ZNF124	247285277	rs4925710	1	247288022	C	T	0.277336	0.00976945	0.0093627	0.296743	-1.0304	0.102519	9.11E-24	-0.0094812	0.00913531	0.2993326	0.9006677	20	0.77288957
ENSG00000162714	1	ZNF496	247460714	rs10754544	1	247484791	A	G	0.33499	-0.0102459	0.00828146	0.216009	0.409801	0.0651693	3.21E-10	-0.0250021	0.0205959	0.224772	0.8469485	9	0.72892317
ENSG00000226191	1	RP11-438H8.8	248099363	rs6587406	1	248087470	A	G	0.204771	-0.0151256	0.00923356	0.1014	0.662202	0.101003	5.52E-11	-0.0228414	0.0143724	0.1120025	0.5816634	16	0.61771552
ENSG00000196071	1	OR2L13	248100493	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.773019	0.0935384	1.41E-16	-0.0052296	0.011033	0.6355044	0.2378207	18	0.91047563
ENSG00000203663	1	OR2L2	248201474	rs12125187	1	248099308	C	T	0.687873	0.00918306	0.00882165	0.29789	-0.535625	0.0938548	1.15E-08	-0.0171446	0.0167416	0.3058013	0.6712606	16	0.7730656
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs12993215	2	3473727	C	T	0.420477	-0.0074904	0.00820813	0.361476	-0.511349	0.0661182	1.04E-14	0.0146483	0.0161633	0.3647941	0.9966678	20	0.81292847
ENSG00000234171	2	AC108488.3	3606082	rs12629	2	3609064	A	G	0.295229	0.0086602	0.00838912	0.301926	-1.09681	0.0721791	3.78E-52	-0.0078958	0.00766628	0.3030385	0.5150095	14	0.7730656
ENSG00000118004	2	COLEC11	3642426	rs66718279	2	3653279	T	C	0.635189	-0.0078864	0.00896676	0.379122	-0.871593	0.108368	8.77E-16	0.00904826	0.0103491	0.3819532	0.6004652	15	0.8131246
ENSG00000151360	2	ALLC	3705785	rs9808287	2	3624799	A	G	0.110338	-0.0119715	0.0130822	0.360141	1.15916	0.133139	3.14E-18	-0.0103277	0.0113481	0.3627776	0.3886652	8	0.81273673
ENSG00000205837	2	LINC00487	6868309	rs10495545	2	6990020	T	C	0.115308	0.00656604	0.0120227	0.584973	1.07927	0.147938	2.98E-13	0.00608378	0.0111708	0.5860197	0.4969873	3	0.89030461
ENSG00000225964	2	AC017076.5	6968645	rs10495545	2	6990020	T	C	0.115308	0.00656604	0.0120227	0.584973	1.02878	0.161188	1.74E-10	0.00638236	0.0117291	0.5863393	0.3088118	3	0.89030461
ENSG00000228203	2	RNF144A-AS1	7052408	rs13011206	2	7120481	T	G	0.367793	-0.0038709	0.00843397	0.646263	-0.434928	0.0392178	1.40E-28	0.00889998	0.0194082	0.6465452	0.2490415	20	0.91325402
ENSG00000272002	2	RP11-557L19.1	7401002	rs1016515	2	7372224	G	A	0.564612	0.0031334	0.00805628	0.697321	0.44866	0.0604351	1.14E-13	0.00698391	0.0179809	0.6977155	0.7404636	9	0.93377999
ENSG00000115761	2	NOL10	10710892	rs55974540	2	10835999	A	G	0.319085	0.00044722	0.00863223	0.958682	0.384673	0.0679318	1.49E-08	0.00116259	0.0224414	0.9586836	0.883866	5	0.98687457
ENSG00000271952	2	RP11-245G13.2	11018395	rs34414864	2	10979488	T	G	0.422465	0.0127356	0.00842393	0.130577	0.661573	0.0800788	1.44E-16	0.0192505	0.0129446	0.1369778	0.5081248	4	0.64953202
ENSG00000196208	2	GREB1	11674242	rs35217326	2	11720282	G	A	0.125249	-0.0137836	0.0136258	0.311737	0.739104	0.12438	2.81E-09	-0.0186491	0.0187008	0.3186507	0.4145509	5	0.77686195
ENSG00000134324	2	LPIN1	11817721	rs3795974	2	11924950	C	T	0.596421	0.0121625	0.00833667	0.144589	0.46688	0.0594918	4.23E-15	0.0260506	0.0181621	0.1514748	0.06330948	12	0.66402325
ENSG00000178295	2	GEN1	17935125	rs9753425	2	17873067	G	A	0.38668	0.00410131	0.00806075	0.610891	0.469156	0.0791765	3.11E-09	0.00874189	0.0172446	0.6122007	0.8737058	11	0.90402898
ENSG00000183891	2	TTC32	20096404	rs2304588	2	20101717	G	A	0.111332	-0.0305858	0.0150852	0.0426079	0.774875	0.113174	7.56E-12	-0.0394719	0.0203036	0.05188513	0.9675077	4	0.55616904
ENSG00000118961	2	C2orf43	20883788	rs10182643	2	20884586	C	G	0.246521	0.00474416	0.00930063	0.609988	-0.791978	0.0744143	1.88E-26	-0.0059903	0.011757	0.6103981	0.4105073	18	0.90402898
ENSG00000219626	2	FAM228B	24299396	rs7577426	2	24313687	T	G	0.139165	0.0327723	0.0101483	0.00124068	-0.698144	0.0867005	8.12E-16	-0.046942	0.0156615	0.00272394	0.7784978	8	0.205385
ENSG00000232642	2	AC008073.7	24388753	rs2288074	2	24413595	T	C	0.251491	-0.0220943	0.0100833	0.0284381	0.919451	0.129893	1.46E-12	-0.0240299	0.0114801	0.03633279	0.0751709	20	0.46953024
ENSG00000138029	2	HADHB	26466038	rs12162334	2	26404510	G	T	0.0596421	-0.0183474	0.0178824	0.304891	0.449518	0.073373	8.98E-10	-0.0408157	0.0403353	0.3115805	0.9733076	19	0.77400383
ENSG00000138030	2	KHK	27309615	rs3769139	2	27315714	T	C	0.616302	0.0179275	0.00846403	0.034168	-0.408779	0.0655308	4.43E-10	-0.0438562	0.0218667	0.044897	0.3990804	11	0.51644866
ENSG00000213639	2	PPP1CB	28974506	rs7475	2	29023749	G	A	0.486083	0.0125334	0.00807698	0.120724	0.24988	0.0446063	2.12E-08	0.0501577	0.0335406	0.134802	0.7127422	10	0.64953202
ENSG00000171103	2	TRMT61B	29072687	rs3190	2	29025479	G	A	0.583499	0.011817	0.00815338	0.147244	-0.408677	0.0700032	5.28E-09	-0.0289153	0.0205563	0.1595348	0.7552687	15	0.66726768
ENSG00000189350	2	FAM179A	29179477	rs74175081	2	29180123	A	G	0.208748	-0.0120832	0.0122227	0.322867	0.879298	0.0928538	2.81E-21	-0.0137419	0.0139761	0.3254876	0.9433562	20	0.78372425
ENSG00000179270	2	C2orf71	29283842	rs17744052	2	29289411	G	A	0.219682	0.00429992	0.0123128	0.726922	-0.788049	0.100229	3.77E-15	-0.0054564	0.0156398	0.7271797	0.08179192	9	0.93728518
ENSG00000018699	2	TTC27	32853099	rs111896629	2	32903548	A	G	0.120278	0.00637116	0.0138566	0.645666	-0.78772	0.109817	7.34E-13	-0.0080881	0.0176269	0.6463414	0.2055564	9	0.91325402
ENSG00000218739	2	AC007390.5	37423631	rs2465488	2	37425103	A	G	0.697813	0.00298033	0.008739	0.733076	-0.486203	0.0631568	1.38E-14	-0.0061298	0.0179916	0.7333266	0.4282823	20	0.93762059
ENSG00000115816	2	CEBPZ	37428755	rs3213745	2	37458711	A	G	0.423459	-0.0017744	0.00811365	0.826892	-0.385599	0.0601853	1.49E-10	0.00460159	0.0210539	0.8269911	0.9347411	20	0.95804632
ENSG00000115825	2	PRKD3	37477645	rs2540974	2	37422265	G	A	0.707753	0.00065977	0.00887961	0.940771	-0.218792	0.0374519	5.16E-09	-0.0030155	0.040588	0.9407753	0.4433888	20	0.98574434
ENSG00000162882	2	HAAO	42994229	rs12617051	2	43013772	T	C	0.622266	-0.0033974	0.00828712	0.681831	0.409583	0.0650052	2.96E-10	-0.0082949	0.0202758	0.6824662	0.7037576	20	0.9269317
ENSG00000226491	2	FTOP1	43024365	rs13006059	2	43022720	G	A	0.640159	0.00065291	0.00838324	0.937921	-0.588056	0.103432	1.30E-08	-0.0011103	0.0142572	0.9379271	0.5838173	11	0.9855112
ENSG00000138095	2	LRPPRC	44113647	rs4507144	2	44164481	A	T	0.406561	-0.00708	0.00817545	0.386484	0.394864	0.0418442	3.85E-21	-0.0179303	0.0207915	0.3884752	0.4662997	20	0.8131246
ENSG00000259439	2	RP11-89K21.1	45147332	rs480385	2	45147724	C	A	0.232604	0.0164157	0.00985059	0.0956203	0.235237	0.0424533	3.01E-08	0.0697837	0.043728	0.1105204	0.1969812	4	0.61771552
ENSG00000225156	2	AC012354.6	45181803	rs62131236	2	45171546	T	C	0.215706	0.0205026	0.00933127	0.0280072	-0.367487	0.0599544	8.82E-10	-0.0557914	0.0269742	0.03860988	0.1102374	9	0.47612838
ENSG00000250565	2	ATP6V1E2	46717889	rs3754553	2	46769135	C	T	0.477137	-0.0072811	0.00805789	0.366206	-0.540361	0.0769868	2.24E-12	0.0134746	0.0150351	0.3701419	0.3276425	10	0.8131246
ENSG00000119878	2	CRIPT	46843555	rs896212	2	46869721	A	G	0.312127	0.0025327	0.00909227	0.780586	0.520095	0.0640306	4.56E-16	0.00486969	0.0174922	0.7807117	0.9592583	20	0.94619098
ENSG00000180398	2	MCFD2	47129009	rs11890177	2	47133055	C	T	0.192843	-0.0106044	0.0114068	0.352545	-0.608569	0.0613483	3.41E-23	0.0174251	0.0188258	0.3546538	0.6295861	18	0.8103302
ENSG00000170802	2	FOXN2	48541776	rs79073127	2	48573895	C	G	0.12326	-0.0080756	0.0148553	0.586703	0.576681	0.0586584	8.26E-23	-0.0140036	0.0257993	0.5872742	0.3346309	20	0.89121139
ENSG00000272663	2	RP11-191L17.1	48667182	rs55952008	2	48674015	C	G	0.175944	0.00240112	0.00966851	0.803868	-0.760388	0.117946	1.14E-10	-0.0031578	0.0127247	0.8040104	0.09213205	20	0.94938927
ENSG00000162869	2	PPP1R21	48667737	rs80016200	2	48689477	G	C	0.146123	0.00017354	0.00994699	0.98608	0.759681	0.105318	5.47E-13	0.00022844	0.0130937	0.9860804	0.03257524	20	0.99484259
ENSG00000243244	2	STON1	48756522	rs4953593	2	48780022	G	T	0.323062	0.00481853	0.00813084	0.553433	0.573501	0.0749451	1.97E-14	0.00840196	0.01422	0.5546178	0.4116797	20	0.88290059
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.70266	0.0960871	2.62E-13	-0.0039229	0.0118996	0.7416514	0.1166122	9	0.93871369
ENSG00000233266	2	HMGB1P31	54278471	rs6746965	2	54223525	C	G	0.430417	-0.0108348	0.00808819	0.18038	0.798217	0.10311	9.83E-15	-0.0135738	0.0102834	0.1868462	0.1604061	20	0.68770868
ENSG00000162994	2	CLHC1	55401927	rs17046778	2	55459373	G	T	0.159046	-0.0285992	0.014326	0.0458997	1.03976	0.0896833	4.44E-31	-0.0275056	0.0139809	0.0491415	0.2434609	20	0.53702243
ENSG00000055813	2	CCDC85A	56411258	rs62161879	2	56651981	A	G	0.4334	-0.0075749	0.00804936	0.346673	-0.398923	0.0708488	1.80E-08	0.0189885	0.0204576	0.3533107	0.9574421	15	0.8086617
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.573846	0.0460993	1.43E-35	-0.0074453	0.0141146	0.5978534	0.03225801	20	0.89730513
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.890894	0.0710067	4.15E-36	0.00940094	0.00933927	0.3141256	0.231592	20	0.77424244
ENSG00000186889	2	TMEM17	62727356	rs12618875	2	62750163	G	C	0.567594	0.0115485	0.00824878	0.161507	-0.337664	0.0576322	4.66E-09	-0.0342012	0.0251167	0.1732961	0.07056212	6	0.67633689
ENSG00000225889	2	AC074289.1	64370373	rs58136932	2	64459585	A	G	0.119284	0.0117723	0.0102784	0.252068	-0.809861	0.102263	2.39E-15	-0.0145362	0.0128236	0.2569833	0.03386015	8	0.75616222
ENSG00000124380	2	SNRNP27	70120692	rs3755391	2	70141519	T	C	0.245527	0.00031307	0.0096084	0.974007	-0.408353	0.0683812	2.35E-09	-0.0007667	0.02353	0.9740075	0.5304224	9	0.99107604
ENSG00000163016	2	ALMS1P	73872046	rs6546821	2	73558881	A	G	0.279324	0.0103092	0.00913033	0.258848	0.80974	0.105922	2.09E-14	0.0127315	0.011398	0.2639952	0.8690091	20	0.75616222
ENSG00000257800	2	FNBP1P1	74347807	rs828881	2	74356597	T	A	0.435388	-0.0003513	0.00827109	0.966122	0.536913	0.072566	1.37E-13	-0.0006543	0.0154052	0.9661223	0.7799571	9	0.98745033
ENSG00000217702	2	MGC10955	74361599	rs12619982	2	74356022	A	G	0.181909	-0.0040329	0.0108064	0.709005	1.30828	0.125708	2.30E-25	-0.0030826	0.00826531	0.7091834	0.8555648	15	0.9353504
ENSG00000225439	2	BOLA3-AS1	74375136	rs828855	2	74420507	C	T	0.435388	-0.0095317	0.00807191	0.237662	-0.319108	0.0542494	4.05E-09	0.0298699	0.0257999	0.2469641	0.5038794	9	0.75018932
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.13935	0.0711409	9.98E-58	-0.007447	0.00790669	0.3462636	0.3849853	20	0.80339547
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.02307	0.0798658	1.44E-37	-0.0082934	0.00881392	0.3467328	0.4139255	20	0.80339547
ENSG00000115364	2	MRPL19	75873909	rs34081022	2	75902380	T	C	0.242545	-0.002606	0.00871732	0.764983	-0.721061	0.0599953	2.84E-33	0.00361409	0.0120933	0.7650542	0.2322775	20	0.94565716
ENSG00000270996	2	RP11-342K6.4	75946246	rs7607937	2	75966134	T	C	0.255467	-0.0158654	0.00894867	0.0762395	0.511094	0.0913648	2.22E-08	-0.031042	0.0183672	0.09101226	0.6571058	5	0.60921089
ENSG00000152292	2	SH2D6	85645844	rs6547617	2	85655402	A	T	0.554672	0.010847	0.00809998	0.180527	-0.499763	0.0664904	5.63E-14	-0.0217043	0.0164629	0.1873771	0.5793159	20	0.68870218
ENSG00000115486	2	GGCX	85771846	rs6743030	2	85763520	T	C	0.497018	-0.0045353	0.00809918	0.575498	0.437049	0.0752176	6.23E-09	-0.0103771	0.0186174	0.5772608	0.6323487	9	0.88600607
ENSG00000115523	2	GNLY	85912298	rs3755007	2	85920249	G	T	0.367793	0.0127483	0.00880952	0.147869	-0.555343	0.0976716	1.30E-08	-0.0229557	0.0163689	0.1607968	0.5132634	7	0.66726768
ENSG00000272564	2	RP11-548P2.2	86131402	rs6747179	2	86123333	G	A	0.431412	-0.017642	0.00811446	0.0296948	-0.607489	0.0888939	8.27E-12	0.0290409	0.0140171	0.03828214	0.3847654	6	0.47612838
ENSG00000068654	2	POLR1A	86247339	rs4832021	2	86301218	T	C	0.882704	0.022262	0.0123973	0.0725404	0.635604	0.0882004	5.75E-13	0.035025	0.0201012	0.0814329	0.0619749	12	0.5969484
ENSG00000132305	2	IMMT	86371055	rs6749439	2	86400092	T	G	0.507952	0.0118388	0.00812274	0.14498	-0.336099	0.0552498	1.18E-09	-0.0352241	0.0248517	0.1563733	0.1289298	15	0.66726768
ENSG00000273080	2	RP11-301O19.1	86422713	rs6740287	2	86424326	C	T	0.476143	0.0155945	0.00806181	0.0530677	0.860792	0.103469	8.85E-17	0.0181165	0.00961541	0.05955056	0.3137409	20	0.56212074
ENSG00000068615	2	REEP1	86441116	rs7571424	2	86539160	C	T	0.417495	0.023429	0.00849794	0.00583297	0.12172	0.0206785	3.95E-09	0.192483	0.0770941	0.0125346	0.2630576	9	0.36421138
ENSG00000115561	2	CHMP3	86730554	rs11891659	2	86747335	A	G	0.139165	0.0599011	0.0135531	9.88E-06	0.271582	0.0409354	3.26E-11	0.220564	0.0599641	0.00023483	0.352474	9	0.13512398
ENSG00000183281	2	PLGLB1	87229682	rs181970253	2	87130278	G	C	0.0596421	0.051602	0.0202532	0.010839	-1.19765	0.178627	2.02E-11	-0.043086	0.0180906	0.01723395	0.09300588	4	0.3923078
ENSG00000231259	2	AC125232.1	87257800	rs11901025	2	87278601	T	C	0.532803	0.00099593	0.00829796	0.904466	-0.966833	0.0933334	3.81E-25	-0.0010301	0.0085832	0.9044725	0.02058672	20	0.97933547
ENSG00000163586	2	FABP1	88422510	rs2970901	2	88428834	T	G	0.474155	0.0110355	0.00834403	0.185981	-0.826426	0.0897887	3.44E-20	-0.0133533	0.0102002	0.1904949	0.6240798	9	0.69244634
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.11074	0.0857317	2.17E-38	0.00347454	0.00781519	0.6566175	0.7034175	20	0.91586342

ENSG00000143429	2	AC027612.6	91805186	rs144087595	2	92183872	G	T	0.0934394	0.017796	0.0192353	0.354875	-1.07081	0.17339	6.59E-10	-0.0166192	0.0181638	0.3602105	0.3367787	5	0.81217999
ENSG00000223564	2	CYP4F32P	95425004	rs1809636	2	95421697	G	C	0.406561	-0.0262031	0.00857997	0.00225819	0.813729	0.0678117	3.56E-33	-0.0322013	0.0108801	0.00308	0.7977257	20	0.21967892
ENSG00000232502	2	AC073464.7	95426519	rs10185133	2	95542788	C	G	0.342942	-0.0232605	0.00878864	0.00812924	0.388852	0.0672844	7.50E-09	-0.0598184	0.0248589	0.01611408	0.2908181	13	0.39086858
ENSG00000229089	2	ANKRD20A8P	95476791	rs34196616	2	95410952	A	C	0.595427	0.0248653	0.00858655	0.00378138	-0.510317	0.0767913	3.02E-11	-0.0487252	0.018354	0.00793692	0.7862462	13	0.33463226
ENSG00000144026	2	ZNF514	95813075	rs76433362	2	95926363	A	C	0.0347913	0.0472647	0.0298422	0.113235	-1.63513	0.220592	1.24E-13	-0.0289058	0.0186626	0.1214156	0.0229313	11	0.6364137
ENSG00000163121	2	NEURL3	97163383	rs72827924	2	97149664	C	G	0.196819	-0.0037648	0.00861349	0.66205	0.63984	0.114324	2.18E-08	-0.005884	0.0135029	0.663012	0.207553	4	0.91799792
ENSG00000168754	2	FAM178B	97541620	rs1964494	2	97751832	A	C	0.0526839	0.0372324	0.0207759	0.0731173	-0.472016	0.0747326	2.68E-10	-0.0788795	0.0457527	0.08470047	0.5571098	19	0.60204943
ENSG00000144199	2	FAHD2B	97749320	rs1148587	2	97716214	G	A	0.797217	-0.0080656	0.0111156	0.468076	0.376292	0.0554302	1.13E-11	-0.0214344	0.0297081	0.4706008	0.3392269	15	0.85004484
ENSG00000135951	2	TSGA10	99613724	rs6732980	2	99921613	G	A	0.244533	-0.0055053	0.00982971	0.575435	-0.703064	0.095848	2.21E-13	0.00783041	0.0140219	0.576544	0.8794548	20	0.88600607
ENSG00000144182	2	LIPT1	99771418	rs720228	2	99704547	G	A	0.633201	-4.27E-05	0.00815635	0.995819	0.549067	0.0808167	1.09E-11	-7.78E-05	0.0148549	0.9958192	0.6577217	12	0.99770952
ENSG00000144218	2	AFF3	100162323	rs78633727	2	100669457	C	T	0.191849	0.0118778	0.010884	0.275137	0.259204	0.0447221	6.80E-09	0.0458241	0.042728	0.2835122	0.1722485	3	0.76718272
ENSG00000163162	2	RNF149	101887681	rs2056717	2	101920279	C	T	0.436382	0.00340723	0.00807489	0.673059	0.409417	0.0700763	5.14E-09	0.00832215	0.0197743	0.6738591	0.6992977	8	0.92045247
ENSG00000212283	2	SNORD89	101889398	rs13017536	2	101892138	T	C	0.437376	0.00366428	0.00806873	0.649733	0.847323	0.0997553	2.00E-17	0.00432454	0.00953621	0.650199	0.529968	7	0.91325402
ENSG00000115602	2	IL1RL1	102927962	rs1558619	2	102931550	T	G	0.493042	0.0125135	0.00803017	0.11916	-0.632123	0.0553562	3.35E-30	-0.019796	0.0128212	0.1225882	0.5150515	20	0.6364137
ENSG00000115604	2	IL18R1	102927989	rs12712135	2	102930948	G	A	0.498012	0.01259	0.00802994	0.116909	-0.698208	0.0575661	7.43E-34	-0.0180319	0.0115965	0.1199594	0.3985993	20	0.63371996
ENSG00000234177	2	AC068057.2	105363096	rs2443490	2	105396991	A	G	0.499006	0.0073636	0.00806326	0.361122	-0.474574	0.0653168	3.71E-13	-0.0155162	0.0171242	0.3648832	0.2754192	4	0.81292847
ENSG00000224509	2	AC010884.1	105552869	rs13419511	2	105656718	G	A	0.407555	0.00525435	0.00808244	0.515631	0.449629	0.0813198	3.22E-08	0.011686	0.0180996	0.5185079	0.3026611	5	0.87335446
ENSG00000135972	2	MRPS9	105654441	rs56067963	2	105704073	A	G	0.224652	0.00823717	0.0107396	0.443087	-0.410856	0.0731281	1.93E-08	-0.0200488	0.026382	0.4472894	0.1344044	9	0.84253871
ENSG00000119147	2	C2orf40	106679702	rs3820893	2	106707977	C	T	0.225646	-0.0086355	0.00840028	0.303947	-0.637944	0.0980388	7.66E-11	0.0135365	0.0133311	0.3099092	0.09153687	14	0.77338489
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.24385	0.129398	7.07E-22	0.00115634	0.00793684	0.8841643	0.2290582	15	0.97641549
ENSG00000198075	2	SULT1C4	108994367	rs145991542	2	109385605	G	A	0.0149105	0.00160523	0.0300192	0.957355	-1.24609	0.225568	3.31E-08	-0.0012882	0.0240918	0.9573567	0.677073	10	0.98687457
ENSG00000186522	2	10-Sep	110300559	rs12998808	2	110283216	C	A	0.600398	0.00322985	0.00833121	0.698252	0.232885	0.0365354	1.84E-10	0.0138689	0.03584	0.6987816	0.01106941	12	0.93377999
ENSG00000169629	2	RGPD8	113127669	rs6542056	2	113192136	A	G	0.159046	-0.0007438	0.0108914	0.945549	-1.09453	0.101782	5.70E-27	0.00067961	0.00995096	0.9455504	0.5624995	20	0.98685901
ENSG00000125630	2	POLR1B	113299492	rs3748026	2	113342051	T	G	0.0705765	0.0071433	0.0181049	0.693175	1.17173	0.148043	2.48E-15	0.00609637	0.0154706	0.6935358	0.3200272	8	0.93377999
ENSG00000237753	2	AC079922.3	113399409	rs11123144	2	113403662	C	T	0.831014	-0.0142907	0.0119218	0.230641	-0.895871	0.0901968	3.01E-23	0.0159517	0.0134041	0.2340197	0.9195636	20	0.74357473
ENSG00000125637	2	PSD4	113914902	rs2241976	2	113943470	G	A	0.452286	-0.0135383	0.00815674	0.0969617	0.209278	0.0378392	3.19E-08	-0.0646905	0.0406929	0.1118966	0.718444	5	0.61771552
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-1.07123	0.106118	5.83E-24	0.00822191	0.00767495	0.2840498	0.4454784	20	0.76725427
ENSG00000125618	2	PAX8	113973574	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.969267	0.10538	3.65E-20	0.00908683	0.00849209	0.2846038	0.4346684	20	0.76742901
ENSG00000136682	2	CBWD2	114195268	rs2757893	2	114171423	A	G	0.158052	-0.005963	0.00985063	0.544954	-0.558739	0.0752246	1.11E-13	0.0106722	0.0176886	0.5462848	0.4919959	6	0.88105123
ENSG00000184492	2	FOXD4L1	114256661	rs2441606	2	114235488	A	G	0.161034	-0.0090723	0.00978035	0.353611	-0.749311	0.0965816	8.61E-15	0.0121076	0.0131454	0.3570254	0.779148	8	0.81129128
ENSG00000225398	2	RP11-395L14.5	114299514	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.889846	0.105756	3.96E-17	0.0135934	0.0101861	0.1820405	0.2218351	19	0.68239329
ENSG00000226516	2	FAM138B	114334959	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.903071	0.101277	4.80E-19	0.0133943	0.0100231	0.1814376	0.2467697	20	0.68192098
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.828376	0.0772129	7.48E-27	-0.0149834	0.0108916	0.1689192	0.4214452	20	0.67338032
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	1.03528	0.0841012	8.01E-35	0.0116838	0.00869633	0.1790997	0.2078316	20	0.68053895
ENSG00000240356	2	RPL23AP7	114368079	rs144468477	2	114366384	T	A	0.345924	0.0147856	0.0091274	0.105251	0.701365	0.0784637	3.94E-19	0.0210812	0.0132257	0.1109471	0.254133	20	0.61771552
ENSG00000144134	2	RABL2A	114384806	rs793079	2	114391721	C	T	0.136183	0.0163522	0.0105756	0.122053	-0.310009	0.05228	3.03E-09	-0.0527475	0.0352545	0.134604	0.1238967	10	0.64953202
ENSG00000228857	2	AC104653.1	114588626	rs4241126	2	114603003	T	G	0.628231	0.0102744	0.00842121	0.222441	0.575487	0.0651976	1.08E-18	0.0178534	0.0147723	0.2268274	0.1313146	20	0.73111964
ENSG00000236255	2	AC009404.2	118591513	rs67260381	2	118519547	A	G	0.15507	-0.004773	0.0119476	0.689533	-0.611195	0.103624	3.67E-09	0.00780921	0.0195927	0.6902048	0.05667292	3	0.93168822
ENSG00000144120	2	TMEM177	120436743	rs17611296	2	120687460	G	A	0.054672	-0.0014064	0.0183824	0.939015	0.673114	0.119511	1.78E-08	-0.0020894	0.027312	0.9390206	0.4319039	13	0.9855112
ENSG00000163161	2	ERCC3	128014866	rs7567389	2	127982645	T	A	0.693837	-0.0002669	0.00893436	0.976168	0.348073	0.049808	2.78E-12	-0.0007668	0.0256683	0.9761678	0.5186151	13	0.99119154
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.37756	0.0866322	6.21E-57	-0.008037	0.00661679	0.2245063	0.9711709	20	0.72892317
ENSG00000115718	2	PROC	128176003	rs2069914	2	128178272	A	G	0.259443	-0.0103829	0.00896665	0.246886	0.639626	0.10175	3.25E-10	-0.0162328	0.0142544	0.2547918	0.5681483	10	0.75616222
ENSG00000144231	2	POLR2D	128603840	rs17600636	2	128600609	C	T	0.411531	-0.0004029	0.00814083	0.960524	-0.454489	0.0668545	1.06E-11	0.00088657	0.0179125	0.9605253	0.09214536	13	0.98687457
ENSG00000214100	2	AC079776.2	130680435	rs10928946	2	130733087	A	G	0.691849	-0.0152997	0.00826767	0.0642347	0.499799	0.0700375	9.60E-13	-0.0306117	0.0170891	0.07324578	0.4837097	10	0.58576292
ENSG00000225449	2	AC079776.7	130724165	rs1882608	2	130695820	A	C	0.694831	-0.008326	0.00822806	0.311582	1.00279	0.0794739	1.68E-36	-0.0083029	0.00823151	0.3131331	0.09319037	20	0.77424244
ENSG00000222014	2	RAB6C	130737235	rs11674996	2	130739891	A	T	0.692843	-0.0153721	0.00827086	0.0630856	0.94909	0.0852201	8.29E-29	-0.0161967	0.00883503	0.06676801	0.4787103	20	0.57928068
ENSG00000236595	2	MED15P5	131009141	rs938869	2	131019189	C	T	0.498012	-0.0137374	0.00811117	0.0903337	0.638314	0.111748	1.12E-08	-0.0215214	0.013254	0.1044254	0.3518403	9	0.61771552
ENSG00000224425	2	AC073869.2	132109787	rs6430749	2	132113928	T	G	0.885686	-0.012217	0.011678	0.295488	0.647934	0.0996033	7.76E-11	-0.0188553	0.018255	0.3016583	0.6900718	15	0.77288957
ENSG00000273073	2	RP11-109E12.1	132219394	rs6430835	2	132267689	A	G	0.102386	0.0192921	0.0167748	0.250119	0.883049	0.132262	2.45E-11	0.0218471	0.0192762	0.2570577	0.4664726	16	0.75616222
ENSG00000173272	2	MZT2A	132222473	rs6430825	2	132244046	C	T	0.0924453	0.0256285	0.0171855	0.135887	-0.675594	0.0811195	8.20E-17	-0.0379348	0.0258422	0.1421208	0.8363678	13	0.65915078
ENSG00000152117	2	AC093838.4	132250386	rs12990156	2	132250941	C	T	0.219682	-0.0102496	0.00915287	0.262791	-1.05352	0.0823901	1.94E-37	0.00972891	0.00872115	0.2646131	0.9837826	20	0.75616222
ENSG00000163040	2	CCDC74A	132285248	rs6709245	2	132248876	G	A	0.312127	-0.001054	0.00863335	0.902836	-0.279964	0.0512951	4.82E-08	0.00376463	0.0308451	0.9028598	0.6346694	20	0.97933547
ENSG00000235615	2	AJ239322.1	132722304	rs35817281	2	132776877	G	A	0.373757	0.00960055	0.00872425	0.271138	0.647923	0.0856366	3.85E-14	0.0148174	0.0136066	0.2761601	0.3054209	11	0.76018963
ENSG00000236485	2	RP1-156L9.1	132741510	rs4125665	2	132790493	G	C	0.713718	0.0151666	0.00852791	0.0753269	0.772664	0.0874834	1.03E-18	0.019629	0.0112586	0.08125138	0.6639957	9	0.5969484
ENSG00000227745	2	AC098826.5	132890429	rs13397190	2	132968081	A	G	0.0467197	-0.0050571	0.0204863	0.805024	-1.02965	0.119937	9.09E-18	0.00491143	0.0199046	0.805103	0.6490484	20	0.94938927
ENSG00000163046	2	ANKRD30BL	132905164	rs13397190	2	132968081	A	G	0.0467197	-0.0050571	0.0204863	0.805024	-1.31206	0.12966	4.54E-24	0.00385428	0.0156185	0.8050809	0.8537574	20	0.94938927
ENSG00000168702	2	LRP1B	140988992	rs10211565	2	142889154	A	C	0.483101	0.0123492	0.00810656	0.12767	-0.419939	0.055893	5.77E-14	-0.0294071	0.0196969	0.1354425	0.7213896	20	0.64953202
ENSG00000123610	2	TNFAIP6	152214106	rs4664373	2	152204474	T	C	0.428429	0.0049997	0.00814353	0.53925	-0.487333	0.0798366	1.03E-09	-0.0102593	0.0167947	0.5412886	0.9573588	19	0.88027458
ENSG00000080345	2	RIF1	152266397	rs2290368	2	152266473	C	T	0.402584	0.010231	0.00820666	0.212517	-0.290367	0.0462016	3.28E-10	-0.0352347	0.0288137	0.2213885	0.3878882	13	0.7284841
ENSG00000196151	2	WDSUB1	160092304	rs714156	2	160141068	C	T	0.342942	0.0129889	0.00821119	0.113683	-0.702597	0.0789208	5.46E-19	-0.018487	0.01187	0.1193617	0.8877554	16	0.63252114
ENSG00000054219	2	LY75	160628362	rs62176692	2	160743463	T	C	0.527833	0.00705169	0.00823019	0.391551	0.392708	0.0655684	2.11E-09	0.0179566	0.0211709	0.3963419	0.00448052	6	0.81535453
ENSG00000115339	2	GALNT3	166604101	rs4667850	2	166728896	C	A	0.111332	-0.0086924	0.0117283	0.458604	0.768322	0.13794	2.55E-08	-0.0113135	0.0153994	0.4625396	0.7456439	7	0.84943772
ENSG00000152253	2	SPC25	169690642	rs509988	2	169734975	A	C	0.828032	0.00463451	0.0122121	0.704317	-0.891344	0.135917	5.45E-11	-0.0051995	0.0137237	0.7047862	0.2440015	9	0.93408
ENSG00000138399	2	FASTKD1	170386259	rs10803835	2	170363282	G	A	0.159046	0.00255235	0.0103518	0.805247	0.642977	0.0867967	1.28E-13	0.00396958	0.0161087	0.8053536	0.5172654	20	0.94938927
ENSG00000071967	2	CYBRD1	172378757	rs7581904	2	172426997	C	T	0.466203	0.00640242	0.0081085	0.429765	-0.244165	0.0350166	3.11E-12	-0.0262217	0.0334213	0.4327003	0.8169303	20	0.83899778
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs767072	2	173592148	A	G	0.696819	-0.0076858	0.00827968	0.353268	-0.374302	0.0562638	2.88E-11	0.0205336	0.0223346	0.3579061	0.1663507	11	0.81213603
ENSG00000236449	2	AC018890.6	175411869	rs2646144	2	175594623	G	C	0.512922	-0.0098033	0.00816673	0.229986	0.491496	0.0717456	7.36E-12	-0.0199458	0.0168692	0.237055	0.4668813	6	0.74484613
ENSG00000115935	2	WIPF1	175424300	rs11675139	2	175440316	A	G	0.54672	0.0161976	0.00820556	0.0483849	-0.380336	0.0443072	9.16E-18	-0.0425876	0.0221376	0.05438361	0.7658237	12	0.56212074
ENSG00000154518	2	ATP5G3	176040986	rs268232	2	176048107	T	C	0.794235	-0.018503	0.0118956	0.119838	-0.189809	0.0344017	3.44E-08	0.0974822	0.0651143	0.1343686	0.04563735	7	0.64953202
ENSG00000144320	2	KIAA1715	176788620	rs4246623	2	176878946	A	G	0.483101	-0.0083236	0.00810957	0.304708	-0.364037	0.0556594	6.13E-11	0.0228646	0.0225494	0.3105928	0.6317757	10	0.77377995
ENSG00000079156	2	OSBPL6	179059208	rs62179165	2	179149749	G	A	0.157058	0.00118945	0.0113767	0.916732	-0.414353	0.0746468	2.84E-08	-0.0028706	0.0274614	0.9167465	0.5793586	10	0.97960182
ENSG00000115252	2	PDE1A	183004763	rs7607891	2	183427391	A	G	0.758449	0.0119926	0.0113948	0.292588	-1.00623	0.078371	9.87E-38	-0.0119183	0.0113622	0.2942038	0.8770178	20	0.77262895
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.15925	0.0992324	1.57E-31	0.00996196	0.0071262	0.162133	0.1752969	20	0.66726768
ENSG00000259915	2	RP11-410E4.1	187219299	rs73035235	2	187138410	A	G	0.300199	0.0106951	0.00828154	0.19655	0.578883	0.0787987	2.04E-13	0.0184754	0.0145254	0.2033963	0.4191001	20	0.71094415
ENSG00000138448	2	ITGAV	187454792	rs68105141	2	187431600	T	C	0.263419	-0.0020643	0.00886982	0.815967	-0.375008	0.0564282	3.02E-11	0.00550474	0.0236668	0.8160777	0.1684555	16	0.95462281
ENSG00000138381	2	ASNSD1	190526111	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	0.641161	0.0665597	5.81E-22	0.0316334	0.0141038	0.02490335	0.03216928	20	0.44349033
ENSG00000273240	2	RP11-455J20.3	190628585	rs7603192	2	190581557	A	C	0.269384	-0.0191254	0.0087743	0.0292793	-0.748528	0.101747	1.88E-13	0.0255507	0.0122258	0.03662634	0.03822993	16	0.46953024
ENSG00000128699	2	ORMDL1	190635049	rs4667299	2	190542687	T	G	0.728628	0.0200938	0.00878285	0.0221462	-0.525147	0.0741635	1.43E-12	-0.0382632	0.0175759	0.02947819	0.06550717	15	0.45663232
ENSG00000198130	2	HIBCH	191054461	rs2136569	2	191167414	C	T	0.597416	-0.0098979	0.00827122	0.231439	0.479617	0.0424011	1.15E-29	-0.020637	0.0173417	0.2340383	0.02429632	20	0.74357473
ENSG00000151689	2	INPP1	191208196	rs2067402	2	191224752	G	T	0.232604	-0.0060702	0.0113692	0.593399	0.507305	0.0568685	4.63E-19	-0.0119656	0.0224511	0.5940602	6.79E-05	20	0.89561036
ENSG00000151690	2	MFSD6	191273081	rs61117285	2	191468986	C	G	0.154076	0.0121081	0.0139421	0.385144	0.245805	0.0411613	2.35E-09	0.049259	0.0573168	0.3901113	0.03640031	19	0.8131246
ENSG00000118997	2	DNAH7	196602427	rs7587769	2	196985112	G	A	0.385686	-0.0157047	0.00828242	0.0579402	0.522371	0.0586662	5.38E-19	-0.0300643	0.016211	0.06365849	0.2514815	20	0.5655354
ENSG00000226124	2	FTCDNL1	200625267	rs11687699	2	200626678	A	G	0.66004	0.00644104	0.00947927	0.496829	-0.860752	0.0863695	2.15E-23	-0.007483	0.0110383	0.4978268	0.01772418	20	0.86774434
ENSG00000162971	2	TYW5	200794698	rs281791	2	200850402	A	G	0.643141	-0.0218033	0.00826765	0.00835969	0.457685	0.0791054	7.22E-09	-0.0476382	0.0198521	0.01641023	0.3453955	6	0.3910135
ENSG00000240344	2	PPIL3	201735630	rs7559150	2	201754063	C	T	0.263419	0.00811619	0.00936911	0.386341	-1.02174	0.0889417	1.52E-30	-0.0079435	0.00919579	0.3876875	0.4344103	20	0.8131246
ENSG00000155749	2	ALS2CR12	202152994	rs9288316	2	202163483	A	G	0.614314	-0.0002332	0.00827033	0.977502	-0.749807	0.0756879	3.90E-23	0.00031105	0.01103	0.9775026	0.4642222	20	0.99140252
ENSG00000155755	2	TMEM237	202484907	rs56321285	2	202505545	A	G	0.335984	-0.0016913	0.00877563	0.847174	0.47598	0.0612271	7.60E-15	-0.0035533	0.0184426	0.8472201	0.4771939	6	0.96746596
ENSG00000023228	2	NDUFS1	206979541	rs12620907	2	207000898	C	T	0.478131	-0.0009702	0.00806287	0.904218	-0.324628	0.0451271	6.31E-13	0.00298877	0.0248407	0.9042316	0.5847301	10	0.97933547
ENSG00000204186	2	ZDBF2	207139387	rs1375352	2	207192379	C	T	0.569583	-0.0120757	0.00806323	0.134232	-0.225671	0.0391547	8.24E-09	0.0535102	0.0369165	0.1472005	0.6310679	9	0.66214005
ENSG00000138400	2	MDH1B	207602487	rs4488642	2	207645464	G	A	0.260437	0.00665362	0.00857958	0.438033	0.622754	0.0787903	2.70E-15	0.0106842	0.013843	0.4402259	0.7254005	20	0.84015584
ENSG00000168582	2	CRYGA	209025464	rs12992988	2	209031976	A	G	0.693837	0.00320434	0.00825726	0.697969	0.620823	0.101613	9.98E-10	0.00516144	0.0133273	0.6985468	0.8651935	4	0.93377999
ENSG00000188674	2	C2orf80	209030067	rs7562540	2	209033173	G	A	0.884692	-0.0076968	0.0126227	0.54202	-0.24935	0.0409218	1.11E-09	0.0308676	0.0508753	0.5440297	0.8180771	3	0.880541
ENSG00000234281	2	AC007970.1	211189483	rs11884252	2	211291582	G	C	0.423459	-0.0027965	0.00816518	0.731985	0.393628	0.0684324	8.82E-09	-0.0071044	0.0207801	0.7324399	0.8583398	8	0.93735246
ENSG00000138376	2	BARD1	215590370	rs17489363	2	215674341	G	A	0.740557	0.00141295	0.00980199	0.885382	0.356423	0.0602231	3.25E-09	0.00396425	0.0275092	0.8854163	0.2823555	10	0.97641549
ENSG00000138363	2	ATIC	216176540	rs10932613	2	216234657	A	G	0.16501	0.00777893	0.0112046	0.487518	0.442478	0.0698447	2.37E-10	0.0175804	0.025474	0.4901122	0.8909002	4	0.86457627
ENSG00000079246	2	XRCC5	216972187	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	-0.7534	0.119578	2.97E-10	0.00967489	0.026792	0.7180163	0.4648741	3	0.9357669
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	1.17757	0.114	5.18E-25	-0.0061899	0.0171236	0.7177374	0.948756	8	0.9357669
ENSG00000261338	2	RP11-378A13.1	219120042	rs12999734	2	219121528	G	A	0.587475	-0.0025925	0.00858517	0.762669	0.689823	0.0516913	1.27E-40	-0.0037583	0.0124487	0.7627271	0.4524921	20	0.94539028
ENSG00000115661	2	STK16	220110177	rs8447	2	220113384	A	G	0.719682	-0.0159884	0.0093263	0.0864689	0.358681	0.0575783	4.68E-10	-0.0445755	0.0269683	0.09835389	0.4192613	3	0.61356312
ENSG00000054356	2	PTPRN	220154345	rs2271594	2	220168616	T	C	0.261431	0.00978416	0.0112721	0.385396	0.223922	0.0362517	6.54E-10	0.0436945	0.050834	0.3900357	0.3253878	8	0.8131246
ENSG00000182698	2	RESP18	220192131	rs10932800	2	220205441	T	A	0.719682	-0.0101054	0.0108054	0.349676	0.922875	0.0750169	8.81E-35	-0.0109499	0.0117422	0.3510643	0.3386093	20	0.80500918
ENSG00000116106	2	EPHA4	222282747	rs13029372	2	222348434	G	A	0.400596	0.00456905	0.00806892	0.571221	-0.342055	0.0625323	4.50E-08	-0.0133576	0.0237156	0.5732693	0.4427439	3	0.88600607
ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.759973	0.0888642	1.21E-17	0.00929753	0.0116788	0.4259725	0.7774734	6	0.83452424
ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-1.59135	0.197853	8.76E-16	-0.0005454	0.0107369	0.9594846	0.8653109	4	0.98687457
ENSG00000135899	2	SP110	231032009	rs34122378	2	231040163	T	C	0.107356	0.00462755	0.0139354	0.739837	0.646177	0.0981833	4.66E-11	0.00716143	0.0215934	0.7401538	0.8859156	3	0.93797307
ENSG00000173699	2	SPATA3	231860836	rs925398	2	231876291	T	C	0.324056	0.0123666	0.00828444	0.135504	-0.640746	0.0769285	8.14E-17	-0.0193003	0.0131354	0.1417408	0.5194004	10	0.65915078
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-0.908915	0.121237	6.53E-14	-0.0140975	0.0101731	0.1658208	0.4006449	6	0.6701395
ENSG00000182600	2	C2orf82	233721980	rs812383	2	233737132	A	C	0.626243	-0.014024	0.00882846	0.112174	0.773504	0.0656599	4.92E-32	-0.0181305	0.0115169	0.1154293	0.1277634	20	0.62351589
ENSG00000085982	2	USP40	234384166	rs62192778	2	234475415	A	G	0.149105	-0.0116882	0.0126571	0.355769	0.33754	0.051997	8.50E-11	-0.0346276	0.0378756	0.3605877	0.9627525	4	0.81217999
ENSG00000182177	2	ASB18	237102095	rs6431443	2	237150311	C	T	0.209742	0.0145588	0.00925316	0.11563	-0.502256	0.0819278	8.76E-10	-0.0289868	0.0190203	0.12751	0.5267573	9	0.64953202
ENSG00000177483	2	RBM44	238707032	rs72987103	2	238684337	T	C	0.126243	-0.0019631	0.0118924	0.868887	0.968753	0.15511	4.22E-10	-0.0020264	0.0122803	0.8689322	0.2518134	19	0.97500756
ENSG00000144488	2	ESPNL	239008798	rs12471185	2	239035937	A	G	0.405567	0.0071965	0.00830035	0.385936	0.621138	0.101191	8.34E-10	0.011586	0.0134958	0.3906218	0.4791824	6	0.8131246
ENSG00000186235	2	AC016757.3	239133193	rs3795902	2	239136143	T	C	0.333002	-0.0083865	0.00869205	0.334622	-0.599422	0.0909968	4.48E-11	0.013991	0.0146554	0.3397492	0.7394354	8	0.80246118
ENSG00000144485	2	HES6	239146908	rs11685264	2	239130085	A	G	0.324056	-0.0090838	0.00874569	0.298961	0.526832	0.0596469	1.02E-18	-0.0172424	0.0167149	0.3022804	0.9341507	15	0.77298253
ENSG00000130414	2	NDUFA10	240831867	rs34849118	2	240919912	C	T	0.353877	0.00526928	0.00811401	0.516076	0.316461	0.0527516	1.98E-09	0.0166506	0.0257896	0.5185168	0.8243538	14	0.87335446
ENSG00000144504	2	ANKMY1	241418839	rs13394744	2	241461372	A	T	0.178926	0.0004461	0.00909418	0.960877	-0.480115	0.072494	3.52E-11	-0.0009291	0.0189422	0.9608782	0.4088725	4	0.98687457
ENSG00000122085	2	MTERFD2	242011584	rs733997	2	242052632	T	C	0.167992	0.00203708	0.0106323	0.848061	-0.657516	0.110756	2.91E-09	-0.0030982	0.0161788	0.8481387	0.5428426	6	0.96809603
ENSG00000115687	2	PASK	242045514	rs6724057	2	242113751	A	G	0.700795	-0.0048933	0.00894008	0.584143	-0.334984	0.0478377	2.51E-12	0.0146076	0.0267695	0.5852861	0.3243636	8	0.89024209
ENSG00000146205	2	ANO7	242127924	rs76832527	2	242157241	A	G	0.171968	-0.0235225	0.0118568	0.0472694	0.780585	0.112748	4.41E-12	-0.0301345	0.015801	0.05650399	0.6048776	18	0.56212074
ENSG00000115677	2	HDLBP	242166679	rs58771961	2	242266079	A	C	0.192843	0.0126502	0.00923933	0.170947	-0.416516	0.0718127	6.63E-09	-0.0303715	0.0227921	0.1826816	0.2629589	16	0.68382517
ENSG00000168385	2	2-Sep	242254515	rs115271170	2	242347614	T	C	0.0974155	0.00844605	0.0150171	0.573824	0.520671	0.0541789	7.24E-22	0.0162215	0.0288912	0.5744785	0.04888649	20	0.88600607
ENSG00000180902	2	D2HGDH	242673994	rs10755057	2	242710662	G	T	0.519881	0.00872973	0.00811414	0.281987	-0.566262	0.0589381	7.42E-22	-0.0154164	0.0144189	0.2849869	0.7798847	20	0.76742901
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.19871	0.0941231	3.75E-37	0.0146754	0.00774226	0.05802649	0.4904199	20	0.56212074
ENSG00000237940	2	AC093642.3	242912834	rs559186830	2	243087313	T	C	0.026839	-0.0413214	0.02827	0.143832	-1.2594	0.190263	3.61E-11	0.0328104	0.022988	0.1534977	0.7746753	3	0.66578807
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	0.803871	0.10381	9.66E-15	0.0182175	0.0111984	0.1037822	0.2419756	20	0.61771552
ENSG00000224318	3	CHL1-AS2	237441	rs11718250	3	246835	A	G	0.104374	0.0106035	0.0146424	0.468962	0.813579	0.139987	6.18E-09	0.0130332	0.0181367	0.472383	0.2125937	4	0.85209756
ENSG00000144455	3	SUMF1	3742498	rs2633852	3	4403837	G	A	0.590457	-0.0040736	0.00814173	0.616838	-0.498649	0.0636245	4.60E-15	0.00816929	0.0163608	0.6175535	0.4821029	10	0.90489933
ENSG00000180914	3	OXTR	8792094	rs968389	3	8811163	G	A	0.468191	-7.81E-05	0.00813508	0.992343	0.528037	0.0674761	5.05E-15	-0.0001479	0.0154063	0.9923427	0.2341916	15	0.997455
ENSG00000214021	3	TTLL3	9849770	rs4686376	3	9866064	G	C	0.899602	0.00135669	0.0166625	0.935107	0.464565	0.0752478	6.67E-10	0.00292034	0.03587	0.9351122	0.429424	7	0.9855112
ENSG00000156990	3	RPUSD3	9879533	rs17050606	3	9888685	G	A	0.055666	0.00283251	0.0188448	0.880523	-0.721536	0.0955403	4.28E-14	-0.0039257	0.0261228	0.8805457	0.1842167	3	0.97641549
ENSG00000157014	3	TATDN2	10289707	rs35681	3	10329377	C	T	0.539761	0.00454654	0.00810796	0.574967	-0.224743	0.0398325	1.68E-08	-0.02023	0.0362543	0.5768436	0.6386303	6	0.88600607
ENSG00000240288	3	GHRLOS	10327438	rs35681	3	10329377	C	T	0.539761	0.00454654	0.00810796	0.574967	0.610688	0.0838316	3.22E-13	0.00744495	0.013316	0.5760961	0.8622268	20	0.88600607
ENSG00000255021	3	RP11-536I6.2	14313873	rs9813518	3	14316508	T	C	0.319085	-0.0033079	0.00833266	0.691379	-0.638505	0.0982027	7.93E-11	0.00518076	0.0130746	0.6919228	0.4718812	12	0.93305277
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.652684	0.0707706	2.90E-20	0.00750181	0.0125899	0.5512684	0.6751362	11	0.88223002
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	1.02255	0.0764385	8.19E-41	-0.0006225	0.00814934	0.9391074	0.00034643	20	0.9855112
ENSG00000170275	3	CRTAP	33155471	rs7611841	3	33156196	C	T	0.858847	-0.0133712	0.0132332	0.312294	0.347452	0.0438364	2.26E-15	-0.0384836	0.0383946	0.3161907	0.5143264	18	0.7762114
ENSG00000093167	3	LRRFIP2	37094117	rs9829683	3	37217622	A	C	0.437376	-0.0061799	0.00834158	0.458778	0.349246	0.0603104	7.01E-09	-0.0176951	0.0240792	0.4624187	0.6341176	8	0.84943772
ENSG00000236411	3	NDUFAF4P3	37831412	rs4679005	3	37832429	C	G	0.39165	0.00525684	0.0085552	0.53891	-0.612811	0.107289	1.12E-08	-0.0085782	0.0140411	0.5412417	0.4597959	3	0.88027458
ENSG00000136059	3	VILL	38029550	rs9311173	3	38045528	A	G	0.187873	0.00569744	0.0110647	0.606608	-0.90328	0.078516	1.25E-30	-0.0063075	0.0122617	0.6069686	0.1825664	14	0.90402898
ENSG00000157036	3	EXOG	38537618	rs2070489	3	38519424	G	A	0.615308	-0.0124042	0.00814263	0.127667	-0.428403	0.063804	1.89E-11	0.0289545	0.01949	0.1373826	0.1989814	11	0.64953202
ENSG00000168036	3	CTNNB1	41236328	rs9872571	3	41232162	T	C	0.427435	-0.0122326	0.00809331	0.130675	0.274221	0.0444658	6.96E-10	-0.0446085	0.0303873	0.1421043	0.2303031	9	0.65915078
ENSG00000168038	3	ULK4	41288090	rs9856633	3	42013850	G	A	0.809145	-0.0057511	0.0100337	0.566522	-1.24265	0.113053	4.19E-28	0.00462809	0.00808541	0.5670512	0.5544056	4	0.8844256
ENSG00000093183	3	SEC22C	42589461	rs55994846	3	42699716	A	G	0.114314	0.00317083	0.0132647	0.811073	0.609883	0.0842325	4.47E-13	0.00519908	0.0217614	0.8111734	0.9962798	11	0.95268652
ENSG00000230084	3	RP4-613B23.1	42643455	rs3846059	3	42695313	A	G	0.140159	0.00283538	0.0127062	0.823419	1.05165	0.120581	2.75E-18	0.00269613	0.0120861	0.8234761	0.564047	11	0.95584789
ENSG00000010282	3	HHATL	42734155	rs3895740	3	42754912	G	A	0.45825	-0.0111839	0.00807394	0.165995	-0.336118	0.0531013	2.46E-10	0.0332737	0.0245896	0.1760037	0.1901628	3	0.67694186
ENSG00000181061	3	HIGD1A	42798669	rs112042968	3	42860158	G	A	0.217694	0.0273547	0.00915005	0.0027937	-0.384261	0.0498291	1.24E-14	-0.0711878	0.0255388	0.00531271	0.9555432	4	0.2983029
ENSG00000144647	3	POMGNT2	43120724	rs1949585	3	43146116	T	A	0.466203	-0.0019268	0.008266	0.815681	0.457779	0.0527759	4.17E-18	-0.0042091	0.0180633	0.8157458	0.0952521	19	0.95462281
ENSG00000144792	3	ZNF660	44619715	rs939649	3	44632212	T	G	0.899602	0.00131379	0.0142605	0.926596	-0.730988	0.109249	2.22E-11	-0.0017973	0.0195104	0.9266034	0.6390177	15	0.98448404
ENSG00000186446	3	ZNF501	44771088	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.475371	0.0720475	4.17E-11	-0.0564448	0.022165	0.01087879	0.2205295	17	0.35886409
ENSG00000163808	3	KIF15	44803209	rs77950368	3	44819982	G	A	0.055666	0.00149906	0.0215046	0.944425	-1.05191	0.161234	6.84E-11	-0.0014251	0.0204446	0.9444286	0.6338429	6	0.98685901
ENSG00000011376	3	LARS2	45429998	rs3821895	3	45587983	G	A	0.333002	-0.0074022	0.0096328	0.442229	-0.597376	0.0558873	1.15E-26	0.0123912	0.0161668	0.4434039	0.1554306	20	0.84025893
ENSG00000144791	3	LIMD1	45596886	rs2578679	3	45715688	A	G	0.759443	0.00296573	0.00929975	0.749799	-0.487065	0.0759991	1.47E-10	-0.006089	0.0191171	0.750098	0.6708828	9	0.9421745

ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.737219	0.0815666	1.59E-19	-0.0287377	0.0122325	0.01880879	0.76136	10	0.40354794
ENSG00000188086	3	PRSS45	46783582	rs151101330	3	46795340	A	G	0.149105	-0.0096819	0.0102913	0.346817	0.9175	0.13067	2.20E-12	-0.0105524	0.0113169	0.3511048	0.5447471	9	0.80500918
ENSG00000164048	3	ZNF589	48282590	rs6796490	3	48237104	G	T	0.33002	-0.0245223	0.00961301	0.0107429	0.637656	0.0859616	1.19E-13	-0.0384569	0.0159421	0.01585248	0.406984	17	0.39086858
ENSG00000228638	3	FCF1P2	48332283	rs6794644	3	48330037	C	T	0.290258	-0.027675	0.00998649	0.00558432	-0.484904	0.0854702	1.40E-08	0.0570732	0.0229204	0.01277221	0.5412053	5	0.36421138
ENSG00000232112	3	TMA7	48481667	rs11797	3	48508585	C	T	0.55666	-0.0041652	0.00825411	0.613827	0.321647	0.0509891	2.82E-10	-0.0129495	0.025744	0.6149558	0.1716787	11	0.90402898
ENSG00000213689	3	TREX1	48506445	rs922075	3	48489398	G	A	0.534791	-0.0018327	0.00821377	0.823434	0.408419	0.0535232	2.34E-14	-0.0044874	0.0201197	0.8235084	0.1705452	13	0.95584789
ENSG00000213672	3	NCKIPSD	48701364	rs6792510	3	48723302	C	G	0.647117	-0.0282879	0.00849467	0.00086822	0.480171	0.0416467	9.35E-31	-0.0589121	0.018414	0.0013776	0.06836632	20	0.15806463
ENSG00000178467	3	P4HTM	49027319	rs7373072	3	48960017	A	T	0.779324	-0.019922	0.009802	0.0421085	0.188354	0.0318996	3.54E-09	-0.105769	0.055037	0.05463355	0.03255689	9	0.56212074
ENSG00000178252	3	WDR6	49044495	rs7621015	3	49016056	G	A	0.66501	-0.0286604	0.00854233	0.00079336	-0.321659	0.0457982	2.17E-12	0.0891018	0.0294317	0.0024666	0.3185395	13	0.19870039
ENSG00000145020	3	AMT	49454211	rs138084484	3	49483193	T	C	0.230616	0.016924	0.0100565	0.0923975	-0.476616	0.0680976	2.58E-12	-0.0355087	0.0217012	0.101786	0.04676943	13	0.61771552
ENSG00000226913	3	BSN-AS2	49586739	rs4855836	3	49590256	T	C	0.4334	0.0142825	0.00839585	0.088916	-0.476543	0.0864625	3.56E-08	-0.0299711	0.0184383	0.1040616	7.37E-05	11	0.61771552
ENSG00000173540	3	GMPPB	49754277	rs62262722	3	49769419	C	G	0.16004	0.0237903	0.0130644	0.0686072	0.835224	0.0837958	2.12E-23	0.0284837	0.0159007	0.07323688	0.00014241	16	0.58576292
ENSG00000004534	3	RBM6	49977440	rs6446190	3	50052729	G	C	0.479125	-0.0013031	0.00807147	0.871744	0.425416	0.0485312	1.85E-18	-0.0030631	0.0189763	0.8717653	0.02554001	20	0.97584893
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.483035	0.0585328	1.55E-16	0.0251027	0.0171561	0.143413	0.00219738	10	0.66001207
ENSG00000164088	3	PPM1M	52279841	rs56352611	3	52338590	C	T	0.104374	0.00758487	0.0166594	0.6489	0.39408	0.0638112	6.59E-10	0.019247	0.0423889	0.6497867	0.3204125	12	0.91325402
ENSG00000114841	3	DNAH1	52350335	rs123602	3	52442354	C	G	0.163022	-0.0091053	0.0135607	0.501939	-0.305059	0.0530661	9.00E-09	0.0298475	0.0447549	0.5048294	0.3992068	5	0.87017948
ENSG00000055955	3	ITIH4	52846991	rs9682464	3	52888485	T	C	0.275348	-0.0343851	0.00906807	0.00014951	0.562399	0.0607552	2.11E-20	-0.06114	0.0174243	0.00044996	0.4595548	20	0.14569265
ENSG00000242142	3	SERBP1P3	53098299	rs1864367	3	53111704	C	T	0.597416	0.00306764	0.00816143	0.707014	0.870021	0.0720204	1.34E-33	0.00352594	0.00938527	0.7071484	2.29E-05	20	0.93448404
ENSG00000163933	3	RFT1	53122499	rs2581800	3	53109352	G	A	0.59841	0.00258218	0.0081657	0.751834	-0.698218	0.0803434	3.61E-18	-0.0036982	0.0117028	0.7519922	5.41E-05	19	0.94275887
ENSG00000163931	3	TKT	53258723	rs3821692	3	53272067	A	G	0.167992	0.0420954	0.00994903	2.33E-05	0.409305	0.0607313	1.59E-11	0.102846	0.0287002	0.00033907	0.4442898	8	0.14569265
ENSG00000113812	3	ACTR8	53901093	rs6794006	3	53933458	A	T	0.374751	0.00328344	0.00855867	0.701245	-0.423412	0.0630435	1.87E-11	-0.0077547	0.0202465	0.7017089	0.04001779	11	0.93377999
ENSG00000180376	3	CCDC66	56591189	rs112312748	3	56578372	A	G	0.534791	0.00112007	0.00807401	0.889667	0.536523	0.0606443	8.99E-19	0.00208765	0.0150506	0.8896806	0.6431995	20	0.97736051
ENSG00000244342	3	LINC00698	62936105	rs114127353	3	62936125	G	A	0.0228628	-0.0507343	0.0409236	0.215074	1.44519	0.223481	1.00E-10	-0.0351056	0.0288328	0.2233913	0.03321729	4	0.72892317
ENSG00000163634	3	THOC7	63819546	rs832190	3	63842629	T	C	0.60338	0.00819559	0.0083862	0.328435	0.246192	0.0447327	3.72E-08	0.0332894	0.0345965	0.3359396	0.9912021	5	0.79837012
ENSG00000144741	3	SLC25A26	66119285	rs146159281	3	66287056	A	G	0.341948	-0.0119615	0.00811514	0.140489	-0.807721	0.0711563	7.30E-30	0.0148089	0.0101313	0.1438229	0.6228719	20	0.66001207
ENSG00000183662	3	FAM19A1	68053359	rs2361371	3	68032964	C	T	0.116302	-0.0393589	0.0132593	0.00299357	0.82056	0.135825	1.53E-09	-0.0479659	0.0180041	0.00771787	0.6727777	7	0.33463226
ENSG00000144746	3	ARL6IP5	69134095	rs7039	3	69154343	G	C	0.510934	0.00875843	0.00808718	0.278808	-0.31119	0.0413253	5.06E-14	-0.028145	0.0262553	0.2837326	0.204104	11	0.76718272
ENSG00000163412	3	EIF4E3	71724567	rs1447902	3	71755928	T	A	0.667992	0.00580888	0.00921255	0.528342	0.267706	0.0328564	3.71E-16	0.0216987	0.0345158	0.5295716	0.5665308	9	0.88006263
ENSG00000241163	3	LINC00877	72084451	rs4677118	3	72291862	T	A	0.357853	-0.0083957	0.00841929	0.318669	0.519443	0.0755796	6.30E-12	-0.0161629	0.016378	0.3237103	0.5070714	5	0.78086973
ENSG00000172986	3	GXYLT2	72937224	rs1108154	3	73024609	T	A	0.590457	-0.0032441	0.00858514	0.705521	0.737954	0.0830676	6.46E-19	-0.0043961	0.0116442	0.7057745	0.2755467	15	0.93408
ENSG00000244026	3	FAM86DP	75470703	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.50545	0.161615	1.22E-20	0.0114095	0.0101999	0.2633128	0.895245	9	0.75616222
ENSG00000243422	3	RP11-413E6.1	75673837	rs9869748	3	75863554	C	T	0.640159	-0.0045159	0.00893557	0.613289	-0.779342	0.115187	1.33E-11	0.00579452	0.0114975	0.6142742	0.3059373	9	0.90402898
ENSG00000242516	3	LINC00960	75721542	rs9869748	3	75863554	C	T	0.640159	-0.0045159	0.00893557	0.613289	-0.824273	0.115705	1.05E-12	0.00547866	0.0108678	0.6141779	0.5179857	10	0.90402898
ENSG00000227124	3	ZNF717	75758794	rs6549798	3	75849185	T	C	0.469185	-0.0138111	0.00807736	0.0872931	-0.63462	0.0979242	9.13E-11	0.0217628	0.0131634	0.0982741	0.2932209	20	0.61356312
ENSG00000175161	3	CADM2	85008132	rs6791363	3	85073170	C	T	0.397614	-0.0105261	0.00917595	0.251323	0.269848	0.0439147	8.01E-10	-0.0390075	0.0345916	0.2594642	0.5531041	20	0.75616222
ENSG00000239519	3	CADM2-AS1	86041333	rs62263325	3	86122523	G	A	0.416501	0.00126664	0.00826507	0.8782	0.864141	0.107808	1.10E-15	0.00146578	0.00956624	0.8782215	0.6049245	20	0.97641549
ENSG00000163320	3	CGGBP1	88101094	rs8274	3	88107179	C	T	0.12326	0.00916312	0.0110021	0.404928	0.357405	0.0497887	7.05E-13	0.0256379	0.0309898	0.4080657	0.8665316	4	0.82519953
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.728989	0.0760128	8.78E-22	0.00628325	0.0111184	0.5719901	0.730077	16	0.88600607
ENSG00000206535	3	LNP1	100120037	rs378535	3	100076688	G	C	0.67495	0.00223968	0.00841941	0.790229	-0.238054	0.0364682	6.68E-11	-0.0094083	0.035397	0.7903984	0.8594001	5	0.94619098
ENSG00000154175	3	ABI3BP	100468000	rs73143029	3	100631031	A	G	0.321074	-0.001333	0.0106004	0.899934	0.405363	0.0683325	2.99E-09	-0.0032883	0.0261563	0.8999559	0.8232337	13	0.97933547
ENSG00000256628	3	ZBTB11-AS1	101395274	rs7613198	3	101429915	T	C	0.374751	0.0129087	0.00831953	0.120754	-0.619834	0.099161	4.08E-10	-0.0208261	0.0138295	0.1320895	0.5488556	15	0.64953202
ENSG00000244119	3	PDCL3P4	101431316	rs3094296	3	101400167	C	T	0.328032	-0.0061938	0.0083759	0.459614	0.699027	0.0684369	1.71E-24	-0.0088607	0.0120136	0.460786	0.04809956	20	0.84857938
ENSG00000273125	3	RP11-115H18.1	107149777	rs6778790	3	107184851	A	C	0.277336	0.00049142	0.00930055	0.957861	0.534456	0.0777033	6.06E-12	0.00091948	0.0174024	0.9578624	0.7820133	7	0.98687457
ENSG00000121570	3	DPPA4	109044988	rs9288894	3	109054872	C	T	0.482107	0.00334324	0.00811131	0.680215	-0.687328	0.0889912	1.13E-14	-0.0048641	0.011818	0.680644	0.4191568	17	0.92588635
ENSG00000177707	3	PVRL3	110788918	rs59618276	3	110649218	T	C	0.0467197	0.025526	0.0214913	0.234938	1.47218	0.160624	4.94E-20	0.0173389	0.0147203	0.2388415	0.7604372	11	0.74857805
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.729946	0.0964735	3.84E-14	-0.0113227	0.0111714	0.3108021	0.9963233	13	0.77377995
ENSG00000243795	3	RP11-572M11.3	112861197	rs2245698	3	112828278	T	G	0.389662	0.00853135	0.00808166	0.291131	0.578641	0.0924922	3.95E-10	0.0147438	0.0141641	0.2979088	0.6884123	5	0.77262895
ENSG00000163389	3	POGLUT1	119187785	rs116524207	3	119206620	T	C	0.0725646	-0.0310745	0.0161451	0.0542663	1.03735	0.122821	3.01E-17	-0.0299557	0.0159628	0.06057404	0.1547804	13	0.56212074
ENSG00000173226	3	IQCB1	121488610	rs12695416	3	121551570	G	A	0.616302	-0.0041428	0.00852513	0.627001	0.717815	0.0834381	7.77E-18	-0.0057714	0.0118954	0.6275483	0.8199305	20	0.90645866
ENSG00000114030	3	KPNA1	122140796	rs9818363	3	122112291	C	T	0.426441	0.0108132	0.00806312	0.1799	0.288947	0.052856	4.59E-08	0.0374228	0.0287326	0.1927624	0.894496	5	0.69251395
ENSG00000144909	3	OSBPL11	125247702	rs2979350	3	125362215	C	T	0.168986	-0.0032056	0.0132779	0.809226	0.401598	0.0713928	1.85E-08	-0.0079822	0.0330931	0.8093976	0.1865036	10	0.95144778
ENSG00000243429	3	OR7E29P	125430983	rs6800886	3	125408094	G	A	0.594433	0.00511017	0.00881834	0.562256	-0.549109	0.0966707	1.35E-08	-0.0093063	0.0161427	0.5642766	0.197512	4	0.88384542
ENSG00000241288	3	RP11-379B18.5	125546081	rs11721242	3	125578642	T	C	0.161034	0.0125641	0.00956112	0.188817	0.487389	0.0854818	1.19E-08	0.0257784	0.0201313	0.2003646	0.5608318	6	0.70501624
ENSG00000171084	3	FAM86JP	125635463	rs12495005	3	125636177	C	T	0.168986	-0.017924	0.0141968	0.206753	1.28407	0.127703	8.72E-24	-0.0139587	0.0111429	0.2103143	0.1971938	20	0.71706814
ENSG00000189366	3	ALG1L	125648118	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.948658	0.115312	1.92E-16	-0.0181553	0.00955552	0.05743529	0.5163304	20	0.56212074
ENSG00000241439	3	RP11-666A20.3	125677399	rs112454226	3	125686859	A	G	0.27336	0.0167621	0.00870106	0.054048	-0.785652	0.131822	2.52E-09	-0.0213353	0.0116391	0.06679318	0.5756821	15	0.57928068
ENSG00000114547	3	ROPN1B	125687987	rs6790101	3	125706012	A	G	0.397614	0.0140959	0.00821756	0.086282	-0.619845	0.0656936	3.90E-21	-0.022741	0.0134747	0.09147341	0.821837	20	0.60921089
ENSG00000070476	3	ZXDC	126156444	rs12957	3	126170695	G	T	0.622266	0.00776475	0.00821966	0.344834	0.437656	0.0606758	5.47E-13	0.0177417	0.0189415	0.3489349	0.07904371	13	0.80500918
ENSG00000261159	3	RP11-723O4.9	128578559	rs6764681	3	128568380	C	G	0.809145	0.0120996	0.0104858	0.248539	-0.781586	0.112108	3.13E-12	-0.0154808	0.0135986	0.2549469	0.2594776	9	0.75616222
ENSG00000231305	3	RP11-723O4.2	128580156	rs9872706	3	128567105	G	A	0.83002	0.00830916	0.0109876	0.449513	-0.641595	0.105672	1.27E-09	-0.0129508	0.0172578	0.4529944	0.4697755	8	0.84363563
ENSG00000177646	3	ACAD9	128598439	rs62272594	3	128506907	G	A	0.0208748	0.00757702	0.020347	0.709602	1.61235	0.210839	2.05E-14	0.00469936	0.0126344	0.7099306	0.9932791	16	0.9353504
ENSG00000251474	3	RPL32P3	129101765	rs3806709	3	129109764	A	C	0.159046	0.0218715	0.0154017	0.155587	0.403075	0.0668135	1.61E-09	0.0542616	0.0392548	0.1668822	0.3905388	10	0.67236966
ENSG00000163913	3	IFT122	129158968	rs12631122	3	129119518	G	A	0.168986	0.0202512	0.0152781	0.185003	-0.308421	0.0461673	2.38E-11	-0.0656609	0.0505022	0.1935462	0.9843908	16	0.69251395
ENSG00000251287	3	ALG1L2	129800674	rs2449402	3	129840060	T	A	0.196819	0.0240964	0.0101851	0.0179887	0.531342	0.0960606	3.18E-08	0.0453501	0.0208484	0.02961298	0.4142461	9	0.45663232
ENSG00000253540	3	FAM86HP	129817935	rs7616082	3	129820737	C	T	0.383698	-0.005894	0.0082162	0.473147	-0.535501	0.0620218	5.92E-18	0.0110066	0.0153959	0.4746686	0.2480917	13	0.85330411
ENSG00000249846	3	RP11-77P16.4	129831393	rs12497877	3	129843458	A	G	0.508946	-0.008735	0.00808534	0.279989	0.567503	0.0812454	2.85E-12	-0.0153919	0.0144166	0.2856785	0.1675487	12	0.7677711
ENSG00000228252	3	COL6A4P2	129931666	rs12233374	3	129845660	A	T	0.476143	-0.010803	0.00809546	0.182056	-1.11869	0.0917499	3.39E-34	0.00965683	0.00727977	0.184664	0.1223079	20	0.68770868
ENSG00000014257	3	ACPP	132036211	rs35164802	3	132044301	C	G	0.0467197	-0.0166634	0.0131343	0.204552	1.84615	0.236145	5.37E-15	-0.009026	0.0072075	0.2104567	0.9231921	4	0.71706814
ENSG00000113971	3	NPHP3	132276986	rs66564593	3	132436967	G	A	0.21173	-0.001187	0.00997949	0.905317	-0.836236	0.0704216	1.60E-32	0.0014195	0.0119344	0.9053213	0.9911556	9	0.97933547
ENSG00000260633	3	RP11-375I20.6	134066130	rs3732852	3	134076154	T	G	0.60835	-0.0055943	0.00828211	0.499375	-0.723209	0.0856689	3.12E-17	0.00773544	0.0114885	0.5007432	0.3974802	10	0.86877057
ENSG00000154928	3	EPHB1	134316643	rs9814028	3	134607804	C	T	0.289264	-0.0019092	0.00846031	0.821461	-0.286863	0.0505085	1.35E-08	0.00665548	0.0295158	0.8215991	0.7339835	5	0.95584789
ENSG00000261758	3	RP11-102M11.2	136471472	rs9832813	3	136065565	G	A	0.256461	0.0164103	0.0091767	0.0737344	-0.619723	0.103383	2.04E-09	-0.0264801	0.0154526	0.08659661	0.5992566	20	0.60671733
ENSG00000168917	3	SLC35G2	136537489	rs116415933	3	135858924	T	G	0.0695825	-0.0025498	0.017578	0.884666	-0.569603	0.0971715	4.58E-09	0.00447647	0.0308695	0.884701	0.5572715	15	0.97641549
ENSG00000273486	3	RP11-731C17.2	136556180	rs12491278	3	136599052	A	G	0.661034	0.00265148	0.00870369	0.760641	0.563239	0.0818947	6.09E-12	0.00470756	0.0154681	0.7608687	0.6096784	7	0.94511498
ENSG00000071794	3	HLTF	148747914	rs6802828	3	148714894	C	T	0.365805	-0.0094397	0.00813973	0.246168	0.311574	0.0490298	2.09E-10	-0.0302968	0.026556	0.2539262	0.01544301	9	0.75616222
ENSG00000114744	3	COMMD2	149456257	rs1851374	3	149475412	G	C	0.421471	0.0183294	0.0082927	0.0270844	0.478472	0.0598966	1.37E-15	0.0383082	0.0179828	0.03314985	0.1139276	20	0.4653322
ENSG00000243321	3	snoU13	149795281	rs56198011	3	149797925	T	C	0.317097	0.0168637	0.00869025	0.0523142	-0.664846	0.0831401	1.28E-15	-0.0253648	0.0134504	0.05932184	0.2992891	5	0.56212074
ENSG00000144895	3	EIF2A	150264465	rs2090916	3	150307263	G	A	0.856859	-0.0136395	0.0109944	0.214758	0.774409	0.0745834	2.96E-25	-0.0176128	0.0142981	0.2180146	0.4431094	20	0.72551687
ENSG00000240137	3	RP11-103G8.2	150421351	rs9869495	3	150443248	G	C	0.357853	-0.0019225	0.00888676	0.828733	0.588969	0.0838367	2.14E-12	-0.0032641	0.0150958	0.8288124	0.07057339	3	0.95889343
ENSG00000243069	3	ARHGEF26-AS1	153742190	rs4256090	3	153755820	A	C	0.241551	-0.0133258	0.00900433	0.138891	0.352795	0.0491843	7.34E-13	-0.0377721	0.0260604	0.1472247	0.8336545	16	0.66214005
ENSG00000240045	3	RP11-451G4.2	155008018	rs978934	3	155011481	T	C	0.44831	0.0209472	0.00825346	0.0111494	-0.498966	0.0517163	5.01E-22	-0.0419812	0.0171039	0.01410855	0.06501787	10	0.3799231
ENSG00000197980	3	LEKR1	156543270	rs344074	3	156548657	G	A	0.807157	0.0102344	0.00958216	0.285489	0.654952	0.11554	1.44E-08	0.0156262	0.0148878	0.2939022	0.2809529	6	0.77262895
ENSG00000244515	3	KRT18P34	156880452	rs12495519	3	157017674	C	T	0.275348	-0.0191645	0.00992694	0.0535377	-0.634499	0.0903768	2.21E-12	0.0302041	0.0162261	0.06267945	0.05290462	18	0.5645429
ENSG00000174899	3	C3orf55	157261035	rs6441135	3	157260961	G	T	0.522863	0.00694582	0.00806644	0.389196	-0.474932	0.0732708	9.06E-11	-0.0146249	0.0171336	0.3933391	0.7128294	6	0.81370679
ENSG00000079257	3	LXN	158363611	rs6803608	3	158313583	C	T	0.519881	-0.002228	0.0080787	0.782716	0.419988	0.0767803	4.50E-08	-0.0053048	0.01926	0.7829852	0.02020102	4	0.94619098
ENSG00000240207	3	RP11-379F4.4	158450052	rs61794821	3	158460936	G	A	0.220676	0.0197886	0.0103114	0.0549731	0.544894	0.0928015	4.32E-09	0.0363164	0.0199088	0.06813128	0.05949113	7	0.58020773
ENSG00000272247	3	RP11-379F4.9	158519046	rs2244996	3	158519446	C	T	0.72167	-0.0201126	0.00842173	0.0169321	-0.719896	0.110721	7.93E-11	0.0279382	0.0124627	0.02497799	0.8520786	10	0.44349033
ENSG00000068885	3	IFT80	159974774	rs1920664	3	160304614	T	C	0.511928	0.00051022	0.008283	0.950883	0.24442	0.0411743	2.92E-09	0.00208747	0.0338902	0.9508852	0.1998312	20	0.98687457
ENSG00000114200	3	BCHE	165490692	rs183693361	3	165722424	A	T	0.0208748	0.0114015	0.0365757	0.75525	-1.41819	0.242581	5.03E-09	-0.0080395	0.025827	0.7555869	0.9528271	5	0.94386409
ENSG00000114757	3	PEX5L	179512746	rs4855126	3	179676551	C	T	0.707753	-0.0081327	0.00929513	0.381607	-0.236818	0.0421567	1.94E-08	0.0343415	0.0397233	0.387304	0.9965286	6	0.8131246
ENSG00000241231	3	RP11-275H4.1	181138846	rs6443742	3	181160258	G	A	0.687873	0.0257017	0.00867556	0.00305105	0.85893	0.0720031	8.35E-33	0.0299229	0.0104072	0.00403769	0.1012818	20	0.23678826
ENSG00000078070	3	MCCC1	182733006	rs4859151	3	182745131	G	A	0.932406	-0.0143521	0.0164109	0.381819	0.719889	0.103876	4.20E-12	-0.0199365	0.0229772	0.3855775	0.7873771	11	0.8131246
ENSG00000240024	3	LINC00888	183165396	rs6792590	3	183161350	A	G	0.263419	0.00691141	0.00920658	0.452832	-0.27235	0.0447837	1.19E-09	-0.0253769	0.0340608	0.4562425	0.5415033	5	0.84363563
ENSG00000114796	3	KLHL24	183353356	rs11711420	3	183349010	G	T	0.257455	-0.0063396	0.00959868	0.508957	-0.265839	0.0434816	9.73E-10	0.0238474	0.0363172	0.5114116	0.3767412	7	0.87184445
ENSG00000233885	3	YEATS2-AS1	183524245	rs262958	3	183492988	A	G	0.470179	0.00404625	0.00840577	0.630257	0.640874	0.0633798	4.91E-24	0.00631364	0.013131	0.6306435	0.6204789	18	0.90905977
ENSG00000180834	3	MAP6D1	183533664	rs35323257	3	183487635	C	A	0.16998	-0.0058309	0.0105652	0.581017	0.279803	0.041306	1.25E-11	-0.0208394	0.0378845	0.5822673	0.3134239	20	0.88718441
ENSG00000145194	3	ECE2	183967438	rs56172794	3	184001146	T	C	0.530815	0.00249554	0.00805989	0.756847	-0.286797	0.0446925	1.39E-10	-0.0087014	0.0281358	0.7571201	0.752363	7	0.94386409
ENSG00000156931	3	VPS8	184529931	rs62286929	3	184524492	G	A	0.055666	0.00299175	0.0230759	0.896844	0.933304	0.133348	2.58E-12	0.00320555	0.0247292	0.8968623	0.38781	20	0.97933547
ENSG00000230102	3	RP11-407B7.1	193723226	rs4687494	3	193728370	G	T	0.520875	0.0040165	0.00817629	0.623258	0.617351	0.0788256	4.81E-15	0.00650602	0.0132702	0.62394	0.3987369	20	0.90620675
ENSG00000225742	3	RP11-513G11.4	193920805	rs11918985	3	193942879	G	A	0.565606	-0.0015768	0.00808558	0.845378	0.577323	0.0999725	7.70E-09	-0.0027313	0.0140133	0.8454652	0.8693795	4	0.96746596
ENSG00000231770	3	TMEM44-AS1	194304740	rs56852992	3	194307659	T	C	0.115308	0.00844927	0.0135198	0.531999	0.734734	0.116134	2.51E-10	0.0114998	0.0184905	0.5339891	0.239771	5	0.88027458
ENSG00000041802	3	LSG1	194361517	rs3821403	3	194369580	A	C	0.163022	0.00854817	0.0109511	0.435053	0.982893	0.100076	9.10E-23	0.00869695	0.0111768	0.4364967	0.2160849	8	0.84015584
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.561904	0.0527074	1.55E-26	0.0273759	0.0150089	0.06815627	0.2468455	18	0.58020773
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.899801	0.0924128	2.10E-22	0.0101009	0.00907228	0.2655444	0.3902247	20	0.75616222
ENSG00000271662	3	RP11-141C7.3	195377017	rs6768928	3	195329888	G	A	0.328032	-0.0076577	0.00929046	0.409793	-0.656286	0.110639	3.00E-09	0.0116683	0.0142921	0.4142646	0.7986221	20	0.82837215
ENSG00000229178	3	AC069513.4	195382436	rs56401727	3	195636800	G	C	0.17495	-0.0045788	0.0118013	0.69802	-1.04153	0.132541	3.90E-15	0.00439625	0.0113445	0.6983701	0.3353003	20	0.93377999
ENSG00000215837	3	SDHAP2	195384967	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.720334	0.102139	1.76E-12	0.0132674	0.0113939	0.2442519	0.6292475	20	0.75018932
ENSG00000176945	3	MUC20	195447753	rs75683599	3	195644262	A	G	0.171968	0.0221268	0.0103841	0.0331032	0.79037	0.101493	6.84E-15	0.0279955	0.0136212	0.03985169	0.1316423	20	0.48050864
ENSG00000145113	3	MUC4	195473636	rs28551645	3	195822889	T	C	0.082505	-0.0056089	0.0131582	0.669914	0.943368	0.160662	4.31E-09	-0.0059456	0.0139848	0.6707296	0.343999	11	0.91826822
ENSG00000231443	3	AC024937.6	195664114	rs9829723	3	195646776	A	G	0.224652	-0.0106279	0.00961389	0.268953	-0.638072	0.10427	9.39E-10	0.0166563	0.015311	0.2766547	0.1973886	8	0.76018963
ENSG00000260261	3	RP11-480A16.1	195676059	rs6793240	3	195757067	C	A	0.161034	0.0127923	0.0115241	0.266981	0.472341	0.085957	3.91E-08	0.0270828	0.0248907	0.2765646	0.9910676	6	0.76018963
ENSG00000231464	3	AC024937.4	195723609	rs7610260	3	195682526	T	A	0.661034	0.00538053	0.00831442	0.517546	0.815542	0.11868	6.34E-12	0.00659749	0.0102401	0.5193928	0.9017873	20	0.87335446
ENSG00000163959	3	SLC51A	195938358	rs78736929	3	195955203	C	T	0.0815109	0.0103216	0.0214356	0.63015	-0.992641	0.177839	2.38E-08	-0.0103981	0.0216747	0.6314159	0.3989774	9	0.90905977
ENSG00000163964	3	PIGX	196366646	rs4916543	3	196462949	T	C	0.228628	-0.0080248	0.0109728	0.464575	0.411522	0.0506948	4.75E-16	-0.0195002	0.0267719	0.4663798	0.1501208	9	0.85004484
ENSG00000174007	3	CEP19	196433148	rs7647102	3	196433984	T	C	0.318091	0.0247317	0.00844398	0.00340142	-0.316325	0.0502852	3.16E-10	-0.0781845	0.0294456	0.00792573	0.4390555	4	0.33463226
ENSG00000230732	3	AC127904.2	196639821	rs2342067	3	196597803	C	A	0.294235	-0.010274	0.00931357	0.269974	-0.737762	0.113261	7.33E-11	0.0139259	0.0128038	0.2767562	0.5274763	15	0.76018963
ENSG00000119227	3	PIGZ	196673214	rs28498807	3	196679395	G	A	0.314115	-0.0064267	0.00934673	0.491713	0.682934	0.0690633	4.67E-23	-0.0094104	0.0137192	0.4927574	0.5296975	8	0.86503051
ENSG00000214135	3	AC024560.3	197305084	rs139136086	3	197349309	A	G	0.084493	0.0196681	0.0202604	0.331665	0.56709	0.0954154	2.79E-09	0.0346825	0.0362004	0.3380276	0.8000806	14	0.80076736
ENSG00000250312	4	ZNF718	124386	rs7678326	4	166811	T	A	0.455268	-0.0095533	0.00812549	0.239707	0.851575	0.0790704	4.78E-27	-0.0112184	0.00959841	0.2424939	0.6660277	20	0.75018932
ENSG00000242686	4	RP11-1191J2.2	646639	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	-0.806177	0.0855367	4.30E-21	0.00995565	0.0136684	0.4663872	0.140954	20	0.85004484
ENSG00000145217	4	SLC26A1	972861	rs3796622	4	983060	C	T	0.639165	0.00568932	0.00910228	0.531943	-0.42181	0.0684833	7.31E-10	-0.0134879	0.0216899	0.5340407	0.5907025	7	0.88027458
ENSG00000251639	4	RP11-20I20.1	1093804	rs649950	4	1090786	A	G	0.0735586	-0.001378	0.0131071	0.916272	1.07238	0.190479	1.80E-08	-0.001285	0.0122246	0.9162866	0.9735713	6	0.97960182
ENSG00000163945	4	UVSSA	1341054	rs9996817	4	1377615	G	A	0.705765	-0.0204523	0.00899245	0.022943	-0.442646	0.0665751	2.95E-11	0.0462046	0.0214709	0.03140027	0.2785913	20	0.46267021
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.72277	0.150434	2.30E-30	-0.0099632	0.0140925	0.4795765	0.781459	20	0.85571493
ENSG00000168936	4	TMEM129	1717679	rs1793990	4	1722187	A	G	0.177932	0.00493011	0.0134413	0.713776	-0.366394	0.0463379	2.64E-15	-0.0134558	0.0367248	0.714071	0.9565631	14	0.93557648
ENSG00000063978	4	RNF4	2463947	rs4974697	4	2473092	T	A	0.366799	-0.0013522	0.00817838	0.86868	-0.337133	0.0592122	1.24E-08	0.00401082	0.0242688	0.8687344	0.04252713	10	0.97500756
ENSG00000261643	4	RP11-529E10.6	3505324	rs3468	4	3505448	A	G	0.348907	0.0109854	0.00806661	0.173251	-0.591672	0.0618785	1.16E-21	-0.0185667	0.0137712	0.1775843	0.540095	20	0.68018138
ENSG00000132406	4	TMEM128	4237269	rs2916466	4	4249483	T	C	0.827038	-0.0062208	0.0119414	0.602404	0.644426	0.0927915	3.79E-12	-0.0096533	0.0185823	0.6034206	0.2683918	9	0.90069398
ENSG00000013288	4	MAN2B2	6576902	rs4689486	4	6610622	T	C	0.173956	0.00715418	0.0112231	0.523833	-0.464435	0.0786392	3.51E-09	-0.015404	0.0243054	0.5262307	0.2302938	3	0.8764094
ENSG00000251580	4	RP11-539L10.3	6672452	rs56350728	4	6666777	C	G	0.467197	0.00256985	0.00810161	0.75109	0.569254	0.0818406	3.51E-12	0.00451442	0.0142468	0.7513399	0.8823345	15	0.94238878
ENSG00000245468	4	RP11-367J11.3	7096298	rs73202186	4	7097025	T	C	0.188867	-0.0027266	0.00986784	0.782312	-0.62287	0.0898839	4.22E-12	0.00437743	0.0158551	0.7824795	0.7610435	13	0.94619098
ENSG00000205959	4	RP11-689P11.2	8483997	rs2010758	4	8475623	A	G	0.641153	-0.0062217	0.008171	0.446398	-0.381757	0.0462904	1.62E-16	0.0162975	0.0214947	0.4483256	0.08529211	20	0.84260552
ENSG00000004468	4	CD38	15779898	rs4698413	4	15737882	T	C	0.562624	0.00235747	0.0081332	0.771925	-0.316867	0.0469153	1.44E-11	-0.0074399	0.0256912	0.7721291	0.8797693	10	0.94619098
ENSG00000249506	4	ZEB2P1	16362309	rs7673302	4	16411757	A	G	0.26839	-0.0082691	0.00899659	0.358026	1.23531	0.113801	1.89E-27	-0.0066939	0.00730892	0.3597428	0.4740403	17	0.81217999
ENSG00000163138	4	PACRGL	20697905	rs62410096	4	20693070	A	C	0.082505	-0.0026313	0.0147037	0.857973	-1.15107	0.133006	4.96E-18	0.00228596	0.0127767	0.8580031	0.5510361	18	0.97143175
ENSG00000053900	4	ANAPC4	25378835	rs3822217	4	25378719	T	C	0.581511	0.0137156	0.00847589	0.105622	-0.499204	0.0688333	4.10E-13	-0.0274749	0.0173963	0.1142551	0.2142586	20	0.62310716
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.808749	0.0843366	8.85E-22	0.00278185	0.0101149	0.7832969	0.2562592	20	0.94619098
ENSG00000169299	4	PGM2	37828255	rs12512677	4	37817932	G	C	0.604374	-0.0007842	0.00852531	0.92671	-0.467911	0.0494912	3.25E-21	0.00167596	0.0182208	0.9267133	0.69596	20	0.98448404
ENSG00000231160	4	RP11-617D20.1	38614322	rs337605	4	38647753	T	C	0.563618	-0.0105142	0.00835074	0.208005	-0.479073	0.0694002	5.09E-12	0.021947	0.0177186	0.2154791	0.6203354	14	0.72255317
ENSG00000249685	4	RP11-360F5.3	39135533	rs11096978	4	39111201	A	G	0.576541	0.00743307	0.0081817	0.363615	0.556446	0.0887796	3.66E-10	0.0133581	0.0148572	0.3685976	0.7780832	8	0.8131246
ENSG00000163682	4	RPL9	39455744	rs2687958	4	39459724	C	T	0.67992	0.00023959	0.00844861	0.977376	-0.744257	0.0525657	1.65E-45	-0.0003219	0.0113518	0.9773759	0.5816262	20	0.99140252
ENSG00000178343	4	SHISA3	42399856	rs78055139	4	42424214	C	T	0.173956	0.00175185	0.0105918	0.868631	0.492187	0.0886366	2.81E-08	0.00355932	0.0215294	0.8686894	0.3321766	13	0.97500756
ENSG00000251350	4	RP11-328N19.1	44018878	rs6829662	4	44026000	C	T	0.178926	0.00015943	0.0100935	0.987397	0.838166	0.103069	4.22E-16	0.00019022	0.0120424	0.9873974	0.6555984	20	0.99484259
ENSG00000177752	4	YIPF7	44624086	rs28368279	4	44725272	A	T	0.60835	0.00105676	0.00846296	0.900628	-0.631899	0.109184	7.15E-09	-0.0016724	0.013396	0.9006504	0.5265925	9	0.97933547
ENSG00000151806	4	GUF1	44680444	rs11724396	4	44725334	C	G	0.244533	-0.0205507	0.0105638	0.0517285	-0.782269	0.100632	7.63E-15	0.0262706	0.0139205	0.0591348	0.7484544	9	0.56212074
ENSG00000163281	4	GNPDA2	44684217	rs12646633	4	44644687	G	A	0.241551	-0.0208187	0.0105703	0.0488911	0.53302	0.0679925	4.53E-15	-0.039058	0.0204473	0.05610956	0.7132914	12	0.56212074
ENSG00000170448	4	NFXL1	47849257	rs6826122	4	47916346	G	C	0.977137	-0.0956639	0.0387364	0.013526	-1.35909	0.195033	3.20E-12	0.0703882	0.0302386	0.01992504	0.8241176	7	0.40512316
ENSG00000198515	4	CNGA1	47937994	rs321645	4	48008920	G	A	0.239563	0.00337932	0.0108055	0.754479	0.827533	0.110321	6.33E-14	0.00408361	0.0130688	0.7546839	0.9491732	13	0.94386409
ENSG00000128039	4	SRD5A3	56212276	rs36110240	4	56217015	T	C	0.152087	0.00688796	0.0114885	0.548805	0.641323	0.0803745	1.47E-15	0.0107402	0.0179642	0.5499285	0.2267029	9	0.88223002
ENSG00000269949	4	RP11-738E22.3	57827093	rs4865166	4	57833470	T	C	0.286282	0.00243572	0.00979199	0.803557	-0.762764	0.111946	9.51E-12	-0.0031933	0.0128461	0.8036852	0.07497019	20	0.94938927
ENSG00000163453	4	IGFBP7	57896939	rs1718859	4	57948224	C	T	0.599404	0.00767243	0.00812004	0.344722	0.294854	0.0428546	5.97E-12	0.0260211	0.0277977	0.3492268	0.2206675	16	0.80500918
ENSG00000174792	4	C4orf26	76481258	rs2061742	4	76480880	A	G	0.451292	0.00229637	0.00813892	0.777831	0.542365	0.0907884	2.32E-09	0.00423399	0.0150231	0.7780719	0.4440008	6	0.94619098

ENSG00000138744	4	NAAA	76831809	rs1554013	4	76933484	C	T	0.510934	0.00423802	0.00807063	0.599503	-0.48501	0.0708956	7.85E-12	-0.008738	0.0166891	0.6005733	0.3282507	9	0.89796767
ENSG00000138750	4	NUP54	77035812	rs6836715	4	77030160	A	G	0.132207	-0.0062049	0.0120881	0.60774	0.641595	0.0822532	6.18E-15	-0.009671	0.0188815	0.6085149	0.3334936	20	0.90402898
ENSG00000189157	4	FAM47E	77135193	rs964051	4	77199414	A	C	0.408549	-0.0021062	0.00812312	0.795418	-0.635863	0.0580428	6.28E-28	0.0033123	0.0127785	0.7954745	0.6614276	20	0.94619098
ENSG00000118804	4	FAM47E-STBD1	77172886	rs111424216	4	77210435	T	G	0.05666	0.00971992	0.0134704	0.470557	-0.757918	0.11391	2.86E-11	-0.0128245	0.0178771	0.4731458	0.5011146	15	0.85223985
ENSG00000138767	4	CNOT6L	78634541	rs6829203	4	78739891	T	C	0.870775	-0.0129272	0.0109246	0.236686	0.458083	0.0710952	1.17E-10	-0.0282202	0.0242474	0.2444861	0.5989848	14	0.75018932
ENSG00000163291	4	PAQR3	79808281	rs6534087	4	79859824	C	A	0.826044	-0.0057871	0.0104029	0.57801	-0.302927	0.0491266	6.99E-10	0.0191039	0.0344807	0.5795482	0.5097448	10	0.88600607
ENSG00000251022	4	THAP9-AS1	83814162	rs28655592	4	83910406	T	G	0.242545	-0.0212515	0.00992501	0.0322567	-0.634393	0.0567736	5.46E-29	0.033499	0.0159295	0.03547051	0.3994855	20	0.46953024
ENSG00000163623	4	NKX6-1	85413140	rs7671732	4	85022310	A	G	0.203777	0.028204	0.0103467	0.00641283	0.443382	0.0808778	4.20E-08	0.0636111	0.0260615	0.01465442	0.5870611	5	0.38894064
ENSG00000180769	4	WDFY3-AS2	85887538	rs4624645	4	85884375	G	A	0.350895	-0.0101729	0.00904336	0.260629	0.194995	0.0337792	7.80E-09	-0.0521701	0.0472498	0.269535	0.1254011	8	0.75831862
ENSG00000163629	4	PTPN13	87515468	rs28634740	4	87693018	A	G	0.11332	0.00158939	0.0146459	0.913583	-0.873391	0.0970067	2.19E-19	-0.0018198	0.0167702	0.9135886	0.3210776	7	0.97933547
ENSG00000170509	4	HSD17B13	88224941	rs10433879	4	88231140	C	G	0.251491	-0.0050529	0.00972387	0.603319	0.793981	0.129325	8.28E-10	-0.006364	0.0122908	0.6046094	0.8203694	7	0.90195829
ENSG00000152583	4	SPARCL1	88394487	rs4693830	4	88440891	A	T	0.472167	0.00877475	0.00808177	0.277591	-0.171122	0.0309529	3.23E-08	-0.0512777	0.0481303	0.2866975	0.4211733	11	0.76780717
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	0.968458	0.0851265	5.46E-30	-0.0140464	0.00854177	0.1000871	0.256797	18	0.61568731
ENSG00000138722	4	MMRN1	90800683	rs116370523	4	90846066	A	G	0.0407555	0.00868592	0.0189722	0.647079	1.79866	0.214218	4.60E-17	0.00482911	0.0105636	0.6475672	0.9748292	20	0.91325402
ENSG00000248144	4	ADH1C	100257649	rs10031168	4	100281893	C	T	0.258449	0.00716982	0.0100534	0.47574	0.647388	0.110856	5.22E-09	0.011075	0.0156445	0.4789984	0.2950198	6	0.85526169
ENSG00000109270	4	LAMTOR3	100799493	rs11097682	4	100853259	A	T	0.257455	0.00555329	0.00932489	0.551487	-0.297538	0.0436153	8.99E-12	-0.0186641	0.0314594	0.5529953	0.5707725	15	0.88290059
ENSG00000254531	4	AP001816.1	102268937	rs2850369	4	102232985	T	C	0.289264	0.0172548	0.00833005	0.0383222	-0.343753	0.0401147	1.04E-17	-0.0501953	0.0249306	0.04407203	0.02542174	20	0.51236162
ENSG00000164039	4	BDH2	104000592	rs6830624	4	104020422	C	T	0.293241	-0.0016966	0.00962065	0.860019	0.254193	0.0407952	4.64E-10	-0.0066745	0.037863	0.8600738	0.4734267	14	0.97246562
ENSG00000138777	4	PPA2	106290234	rs2647252	4	106288220	A	G	0.281312	-0.0148572	0.00935407	0.112216	0.331124	0.0556407	2.66E-09	-0.044869	0.0292383	0.1248827	0.6474341	10	0.64117791
ENSG00000123739	4	PLA2G12A	110631145	rs6854876	4	110653440	G	C	0.523857	0.00703103	0.00808235	0.384342	0.397092	0.0544933	3.17E-13	0.0177063	0.0204984	0.387703	0.6124635	15	0.8131246
ENSG00000109534	4	GAR1	110736666	rs13107617	4	110757803	G	A	0.641153	-0.010711	0.0081919	0.191039	0.469299	0.0677598	4.33E-12	-0.0228234	0.0177639	0.1988565	0.09869865	20	0.70158062
ENSG00000174749	4	C4orf32	113066553	rs4833392	4	113058401	C	A	0.300199	0.0144557	0.00875608	0.0987529	-0.355351	0.0558658	2.01E-10	-0.0406801	0.0254571	0.1100462	0.3717065	12	0.61771552
ENSG00000138658	4	C4orf21	113460492	rs13146963	4	113558602	G	A	0.563618	0.012802	0.00806337	0.112359	-0.34833	0.0576923	1.56E-09	-0.0367525	0.0239356	0.1246675	0.00575989	7	0.64117791
ENSG00000236922	4	AC092661.1	118349552	rs68096032	4	118352364	G	A	0.117296	-0.0169699	0.0110796	0.12561	0.596774	0.0980517	1.16E-09	-0.0284361	0.0191447	0.1374578	0.9355827	5	0.64953202
ENSG00000269893	4	SNHG8	119199864	rs28517808	4	119204466	C	T	0.535785	0.00430028	0.0082348	0.601525	-0.271643	0.0458678	3.17E-09	-0.0158306	0.0304324	0.6029313	0.1856653	14	0.90047295
ENSG00000260404	4	RP11-384K6.6	119512928	rs6811780	4	119485345	T	C	0.385686	0.00745489	0.00809708	0.357213	-0.380878	0.0510381	8.48E-14	-0.0195729	0.0214202	0.3608426	0.01778678	16	0.81217999
ENSG00000249244	4	RP11-548H18.2	120312986	rs12505735	4	120532956	A	C	0.292247	-0.0123604	0.00926147	0.182007	0.696135	0.112895	6.99E-10	-0.0177558	0.0136122	0.1920967	0.9974723	13	0.69251395
ENSG00000245958	4	RP11-33B1.1	120375946	rs6820115	4	120398182	C	T	0.318091	-0.0205661	0.00869282	0.0179875	-0.828788	0.0628282	9.84E-40	0.0248147	0.0106559	0.01987417	0.124337	8	0.40512316
ENSG00000164111	4	ANXA5	122589110	rs13109053	4	122599447	A	G	0.312127	0.00512921	0.00900707	0.56904	-0.499423	0.0479843	2.28E-25	-0.0102703	0.0180619	0.5696178	0.4474945	16	0.88600607
ENSG00000151470	4	C4orf33	130014472	rs337276	4	130030944	A	C	0.593439	-0.0056429	0.00826593	0.494819	-0.467848	0.0742217	2.91E-10	0.0120613	0.0177713	0.4973296	0.4856929	17	0.86756558
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.15167	0.104128	1.96E-28	-0.0081758	0.0123718	0.5087144	0.5264885	10	0.87067964
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.0273	0.13054	3.56E-15	-0.0091656	0.0138937	0.5094506	0.7480449	5	0.87075138
ENSG00000251600	4	RP11-673E1.1	144833484	rs1828508	4	144882669	A	T	0.680915	0.00107903	0.00873835	0.901725	0.835221	0.106938	5.70E-15	0.00129191	0.0104636	0.9017375	0.2983789	14	0.97933547
ENSG00000250673	4	RP11-6L6.2	147145709	rs12152692	4	147130540	T	A	0.353877	0.00060345	0.00842199	0.942879	0.552711	0.0892876	6.01E-10	0.0010918	0.0152386	0.9428827	0.03161413	10	0.98662468
ENSG00000250538	4	RP11-92A5.2	156127681	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.54973	0.165765	8.85E-21	0.0158504	0.00954154	0.09667384	0.09881181	10	0.61356312
ENSG00000185149	4	NPY2R	156129781	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.54641	0.163397	2.96E-21	0.0158844	0.00955837	0.09654642	0.08460209	9	0.61356312
ENSG00000248429	4	RP11-597D13.9	159091904	rs2346784	4	159065799	T	C	0.849901	-0.0143316	0.0111066	0.196924	0.785438	0.0992594	2.51E-15	-0.0182466	0.0143274	0.2028243	0.6578512	8	0.71082779
ENSG00000171503	4	ETFDH	159593277	rs11559290	4	159601676	T	C	0.863817	0.0186238	0.01518	0.219876	0.415637	0.0594737	2.78E-12	0.0448079	0.0370808	0.2268992	0.5136223	4	0.73111964
ENSG00000271817	4	U3	159621843	rs9918016	4	159621997	A	G	0.28827	-0.0096292	0.00919347	0.294918	0.879334	0.120164	2.52E-13	-0.0109505	0.0105616	0.2998165	0.3874425	6	0.77288957
ENSG00000052795	4	FNIP2	159690290	rs7668454	4	159848885	G	A	0.627237	-0.016912	0.00855086	0.0479502	0.353442	0.0608449	6.29E-09	-0.0478494	0.025557	0.0611699	0.8662939	7	0.56212074
ENSG00000273449	4	RP11-218F10.3	164450923	rs2276979	4	164415734	G	A	0.580517	-0.0079547	0.00831519	0.338747	-0.78941	0.106637	1.33E-13	0.0100767	0.010621	0.3427458	0.3060146	10	0.80339547
ENSG00000250486	4	FAM218A	165878100	rs6841786	4	165913861	C	A	0.32008	-0.0143642	0.00945353	0.128649	0.426973	0.0746592	1.07E-08	-0.0336419	0.0229089	0.1419667	0.2967483	8	0.65915078
ENSG00000137601	4	NEK1	170314426	rs6836285	4	170299950	T	C	0.851889	-0.0074652	0.0109693	0.496157	-0.32704	0.057558	1.33E-08	0.0228265	0.0337809	0.4992175	0.4051727	7	0.86847333
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.434478	0.0409876	2.97E-26	0.00043017	0.0188511	0.9817945	0.3989482	15	0.9934646
ENSG00000248174	4	RP11-148L24.1	175015811	rs60611867	4	175041460	T	G	0.249503	0.00870729	0.00885363	0.325376	0.8422	0.0989887	1.77E-17	0.0103387	0.0105825	0.3285861	0.688922	9	0.78974382
ENSG00000249106	4	RP11-806K15.1	176711458	rs78640136	4	176721419	G	A	0.0447316	0.0536789	0.0178709	0.0026671	-1.08469	0.180747	1.96E-09	-0.0494878	0.0184241	0.00723054	0.1045114	3	0.33463226
ENSG00000164122	4	ASB5	177134824	rs4637338	4	177156168	T	C	0.706759	-0.0002715	0.00854732	0.974661	0.702196	0.0830488	2.79E-17	-0.0003866	0.0121724	0.9746617	0.8048896	11	0.99107604
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.581517	0.0602041	4.50E-22	-0.0086811	0.0142266	0.5417274	0.4472158	7	0.88027458
ENSG00000251504	4	RP11-162G9.1	178650792	rs62339417	4	179155642	A	C	0.308151	0.00661757	0.00852894	0.43781	0.646969	0.113067	1.05E-08	0.0102286	0.0133036	0.4419766	0.9306071	13	0.84015584
ENSG00000248197	4	LINC00290	181985242	rs10016374	4	182096043	A	G	0.493042	0.00760692	0.00839927	0.365114	0.341629	0.0595459	9.62E-09	0.0222666	0.0248904	0.3710079	0.6571788	7	0.8131246
ENSG00000129187	4	DCTD	183811213	rs4073675	4	183806412	A	G	0.157058	-0.0102065	0.0110732	0.356671	-0.402648	0.0613548	5.29E-11	0.0253484	0.0277709	0.361363	0.5607117	4	0.81217999
ENSG00000151725	4	MLF1IP	185615772	rs7660116	4	185626542	A	G	0.305169	-0.0108971	0.00880831	0.216034	-0.471779	0.0773829	1.08E-09	0.0230979	0.0190509	0.2253484	0.5762091	20	0.72892317
ENSG00000109775	4	UFSP2	186320694	rs2289720	4	186347055	A	G	0.710736	-0.0167689	0.0095778	0.0799779	0.93218	0.0743051	4.22E-36	-0.0179889	0.0103742	0.08291733	0.5798479	20	0.59786567
ENSG00000168491	4	CCDC110	186366336	rs66481949	4	186391898	T	C	0.201789	0.0087066	0.00959688	0.364284	0.533203	0.0695211	1.72E-14	0.0163289	0.018124	0.3676143	0.8331407	9	0.8131246
ENSG00000109794	4	FAM149A	187025573	rs4861705	4	187099852	A	G	0.593439	-0.0025811	0.00805107	0.748524	0.543333	0.0553061	8.87E-23	-0.0047504	0.0148258	0.7486544	0.2786861	17	0.94125725
ENSG00000145476	4	CYP4V2	187112674	rs7663027	4	187112629	C	G	0.370775	0.00708736	0.00825851	0.390788	-0.33314	0.0486314	7.37E-12	-0.0212744	0.0249837	0.3944736	0.2635963	8	0.81370679
ENSG00000088926	4	F11	187187099	rs28380417	4	187161506	T	A	0.833996	-0.0016308	0.010916	0.881246	-0.934306	0.125089	8.07E-14	0.00174541	0.0116859	0.8812688	0.7604109	8	0.97641549
ENSG00000245685	4	AF146191.4	190701490	rs13121183	4	190890245	C	T	0.322068	-0.0162079	0.008738	0.0636136	0.801032	0.122784	6.85E-11	-0.0202338	0.0113408	0.07439722	0.5707928	20	0.58576292
ENSG00000164366	5	CCDC127	196986	rs11739540	5	340325	T	C	0.140159	0.0181238	0.0104099	0.0816808	0.555292	0.0972997	1.15E-08	0.0326383	0.0195996	0.09586267	0.5149421	4	0.61356312
ENSG00000221990	5	C5orf55	441645	rs2241598	5	438564	C	T	0.787276	0.00494702	0.0115339	0.667987	0.550709	0.0852144	1.03E-10	0.008983	0.0209898	0.6686731	0.01863832	14	0.91826822
ENSG00000180104	5	EXOC3	443273	rs13356700	5	477719	G	A	0.507952	0.0198069	0.00810736	0.0145626	-0.499325	0.0644576	9.44E-15	-0.0396674	0.017025	0.01980869	0.8280973	20	0.40512316
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	1.0816	0.0856884	1.59E-36	0.00309657	0.00822106	0.706424	0.1502388	20	0.93408
ENSG00000066230	5	SLC9A3	473425	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.805268	0.0786177	1.27E-24	0.00415917	0.0110447	0.7064887	0.1370932	20	0.93408
ENSG00000171368	5	TPPP	660883	rs4957107	5	699647	A	G	0.151093	0.0214771	0.0114396	0.0604589	0.331255	0.0606638	4.75E-08	0.0648356	0.0365183	0.07582756	0.6482733	13	0.58682971
ENSG00000249201	5	CTD-3080P12.3	1173256	rs34200966	5	1181998	G	T	0.435388	0.00246398	0.00813942	0.762102	-0.578333	0.0863456	2.11E-11	-0.0042605	0.0140883	0.7623372	0.07742835	3	0.94539028
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.07362	0.0763297	6.18E-45	0.0037983	0.00779705	0.6261552	0.774636	20	0.90645866
ENSG00000250490	5	CTD-2324F15.2	6310554	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	0.561479	0.081093	4.39E-12	0.00446626	0.0143548	0.7556996	0.04111208	9	0.94386409
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-0.974534	0.0763888	2.83E-37	-0.0006049	0.00835087	0.942253	0.5724469	20	0.98645998
ENSG00000250060	5	RP11-332J15.2	6868672	rs1074437	5	6872682	G	A	0.382704	-0.0136968	0.00884086	0.12132	-0.474108	0.0844412	1.97E-08	0.0288896	0.0193442	0.1353196	0.6667537	3	0.64953202
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.341391	0.0544277	3.56E-10	-0.0141343	0.0240222	0.5562738	0.3034284	7	0.88327711
ENSG00000250786	5	SNHG18	9546312	rs59758866	5	9546372	G	C	0.300199	-0.0004098	0.0098573	0.966837	-0.655529	0.081311	7.51E-16	0.00062518	0.0150374	0.9668376	0.3397803	10	0.98748223
ENSG00000272324	5	CTD-2154B17.4	10761177	rs11740255	5	10760890	C	G	0.642147	-0.0016584	0.00841679	0.843801	0.727381	0.0922386	3.12E-15	-0.00228	0.011575	0.8438494	0.350433	11	0.96696421
ENSG00000183666	5	GUSBP1	21341942	rs12519825	5	21473709	T	C	0.140159	-0.0242674	0.0139401	0.0817128	1.21926	0.142767	1.34E-17	-0.0199034	0.0116684	0.08805333	0.4239218	20	0.60671733
ENSG00000272130	5	RP11-360I2.1	21569864	rs10050904	5	21532051	C	G	0.858847	0.0259994	0.0139589	0.062523	-1.30055	0.151177	7.78E-18	-0.0199911	0.0109818	0.06869948	0.3786242	13	0.5810831
ENSG00000224282	5	CTD-2290C23.1	31822668	rs2042962	5	31820098	A	G	0.604374	-0.010975	0.00813528	0.177319	-0.581439	0.104213	2.41E-08	0.0188756	0.0143948	0.1897649	0.7434986	5	0.69244634
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-0.804462	0.111199	4.67E-13	-0.010746	0.0121229	0.3753936	0.3857921	5	0.8131246
ENSG00000151388	5	ADAMTS12	33523640	rs202051389	5	33794724	C	A	0.173956	-0.0021975	0.0094688	0.81648	-0.821098	0.121651	1.48E-11	0.00267626	0.0115387	0.8165864	0.92243	4	0.95479464
ENSG00000242110	5	AMACR	33986283	rs10941112	5	34004707	T	C	0.503976	-0.0141563	0.00810468	0.0806938	0.802151	0.0665672	1.93E-33	-0.0176479	0.0102093	0.08387766	0.6646155	20	0.59987302
ENSG00000113494	5	PRLR	35048861	rs2047740	5	35203392	A	G	0.66501	-0.0194204	0.00826062	0.0187249	0.403266	0.0603159	2.30E-11	-0.0481578	0.0217138	0.02656539	0.648539	16	0.45557341
ENSG00000152582	5	SPEF2	35617946	rs10069995	5	35707900	G	A	0.61829	0.0042168	0.00838922	0.615214	-0.274796	0.0461299	2.57E-09	-0.0153452	0.0306374	0.616466	0.6005915	12	0.90452883
ENSG00000151883	5	PARP8	49961733	rs27598	5	50158299	A	G	0.615308	-0.0008704	0.00859976	0.919379	0.346996	0.0635552	4.77E-08	-0.0025085	0.0247877	0.9193931	0.9611638	5	0.98125543
ENSG00000152669	5	CCNO	54526980	rs231622	5	54528590	A	G	0.311133	0.0156952	0.0082321	0.0565744	-0.607145	0.0600836	5.25E-24	-0.0258508	0.0137979	0.06099539	0.1590655	20	0.56212074
ENSG00000155542	5	SETD9	56205087	rs185220	5	56205357	G	A	0.837972	-0.0059765	0.0106623	0.575119	1.22914	0.115296	1.55E-26	-0.0048623	0.00868658	0.5756485	0.12318	20	0.88600607
ENSG00000178722	5	C5orf64	60933535	rs253533	5	60997641	T	C	0.332008	-0.005522	0.00912982	0.545294	-0.602156	0.0749037	9.05E-16	0.00917031	0.0152047	0.5464274	0.03492299	8	0.88105123
ENSG00000251575	5	CTD-2170G1.2	61028601	rs2974454	5	61030954	T	C	0.427435	-0.0051118	0.00830849	0.538394	0.329981	0.0529785	4.71E-10	-0.015491	0.0253012	0.5403628	0.578188	4	0.88027458
ENSG00000113593	5	PPWD1	64859063	rs245537	5	64781617	C	G	0.61829	0.00732027	0.00840225	0.38363	-0.445164	0.0735314	1.41E-09	-0.016444	0.0190689	0.3884984	0.8050035	11	0.8131246
ENSG00000253203	5	GUSBP3	68790040	rs212211	5	69375219	G	A	0.732604	0.00475311	0.0105405	0.652035	-0.916101	0.105577	4.06E-18	-0.0051884	0.0115214	0.6524724	0.2591472	4	0.91325402
ENSG00000226259	5	GTF2H2B	69711179	rs59966095	5	70665606	T	C	0.616302	-0.0061149	0.00864302	0.479261	-0.863798	0.0923209	8.24E-21	0.00707905	0.0100344	0.4805126	0.01924528	6	0.85575385
ENSG00000253333	5	RP11-497H16.8	69790927	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.970145	0.0946436	1.18E-24	-0.0082652	0.011081	0.4557347	0.02626288	6	0.84363563
ENSG00000172058	5	SERF1A	70196492	rs212211	5	69375219	G	A	0.732604	0.00475311	0.0105405	0.652035	-1.12988	0.120137	5.20E-21	-0.0042067	0.00933958	0.6524074	0.02072296	5	0.91325402
ENSG00000145736	5	GTF2H2	70330784	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.857745	0.111737	1.64E-14	0.0234174	0.011075	0.03447811	0.1733765	3	0.46953024
ENSG00000230847	5	RP11-195E2.1	70370052	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.864363	0.10068	9.06E-18	0.0232382	0.0109063	0.03311357	0.112972	3	0.4653322
ENSG00000131711	5	MAP1B	71403061	rs3828616	5	71496419	G	A	0.332008	0.0120849	0.00891487	0.175229	0.463947	0.07794	2.64E-09	0.026048	0.0197072	0.1862519	0.9488024	7	0.68770868
ENSG00000157111	5	TMEM171	72416119	rs481619	5	72412602	A	G	0.315109	0.0159416	0.00931064	0.086862	0.503602	0.0677447	1.06E-13	0.0316552	0.0189721	0.09521516	0.8355016	7	0.61356312
ENSG00000164346	5	NSA2	74062817	rs72764663	5	74082520	A	G	0.137177	-0.0152049	0.0126004	0.227546	1.33203	0.0881961	1.55E-51	-0.0114148	0.00948969	0.229028	0.07210766	20	0.7352792
ENSG00000164251	5	F2RL1	76114758	rs7709688	5	76133259	C	A	0.517893	0.0162675	0.00814791	0.0458765	-0.551297	0.0882565	4.20E-10	-0.0295077	0.0155161	0.05720424	0.5536503	18	0.56212074
ENSG00000164253	5	WDR41	76721795	rs116795182	5	76852236	T	C	0.180915	0.00352749	0.0100916	0.726678	0.561104	0.0848268	3.72E-11	0.0062867	0.0180104	0.7270442	0.3958961	20	0.93728518
ENSG00000085365	5	SCAMP1	77656339	rs11742212	5	77779033	A	G	0.766402	0.032659	0.00929872	0.00044442	-0.166221	0.0282844	4.18E-09	-0.196479	0.0651711	0.0025713	0.7022134	6	0.19957841
ENSG00000132837	5	DMGDH	78293438	rs10060631	5	78509168	A	C	0.373757	0.0021412	0.00813976	0.792509	0.363956	0.0609605	2.37E-09	0.00588313	0.0223864	0.7927051	0.1957488	8	0.94619098
ENSG00000228716	5	DHFR	79922047	rs408626	5	79951133	C	T	0.450298	-0.0129091	0.00810531	0.111233	0.605782	0.0663631	6.96E-20	-0.0213098	0.013582	0.116655	0.9734834	20	0.62351589
ENSG00000113318	5	MSH3	79950467	rs1628627	5	79967262	T	A	0.255467	0.00517777	0.00969401	0.593257	-0.391561	0.0698294	2.05E-08	-0.0132234	0.0248694	0.5949242	0.3394474	7	0.89561036
ENSG00000247572	5	CKMT2-AS1	80499903	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	1.17125	0.126593	2.20E-20	-0.0117156	0.00870299	0.1782512	0.6288489	10	0.68053895
ENSG00000248794	5	CTD-2248H3.1	80538149	rs73130869	5	80535723	C	T	0.192843	-0.0114419	0.00986727	0.246219	1.10277	0.132108	6.97E-17	-0.0103756	0.00903363	0.2507407	0.1891053	13	0.75417781
ENSG00000152348	5	ATG10	81267844	rs75806251	5	81265278	C	G	0.0924453	0.00259742	0.0133993	0.846295	-1.18719	0.174441	1.01E-11	-0.0021879	0.0112911	0.8463569	0.2747818	8	0.96746596
ENSG00000186468	5	RPS23	81569177	rs111772743	5	81569088	T	C	0.298211	0.00481835	0.00872486	0.580772	-0.75717	0.0671122	1.61E-29	-0.0063636	0.0115368	0.581226	0.5839044	20	0.88701303
ENSG00000205464	5	ATP6AP1L	81575281	rs178931	5	81575601	A	T	0.701789	-0.005667	0.0087136	0.51546	-0.844091	0.069883	1.37E-33	0.0067137	0.010338	0.5160679	0.7021663	20	0.87335446
ENSG00000249664	5	CTD-2227C6.2	82308104	rs4266384	5	82376691	G	A	0.455268	0.00325343	0.00808219	0.687284	0.632785	0.103837	1.10E-09	0.00514145	0.0128002	0.6879285	0.4051565	5	0.93024642
ENSG00000174695	5	TMEM167A	82348665	rs7720588	5	82376926	T	C	0.388668	-0.0015321	0.00816218	0.85111	-0.250208	0.0400282	4.08E-10	0.00612315	0.0326363	0.8511763	0.00593295	9	0.96955881
ENSG00000247828	5	TMEM161B-AS1	87564712	rs4916899	5	87588026	G	A	0.257455	0.021428	0.00893945	0.0165291	0.671293	0.0706068	1.95E-21	0.0319205	0.0137335	0.02011032	0.1141399	14	0.40512316
ENSG00000271904	5	CTC-498M16.4	87729709	rs7444298	5	87730027	G	A	0.262425	-0.0102606	0.0101678	0.312913	0.689485	0.0886838	7.57E-15	-0.0148815	0.0148707	0.3169563	0.00473719	17	0.77664594
ENSG00000243806	5	CTC-484P3.1	94161666	rs255208	5	94163288	C	A	0.928429	0.0103098	0.0125782	0.412411	-0.938023	0.130864	7.62E-13	-0.010991	0.0134967	0.4154449	0.8887557	20	0.82837215
ENSG00000198677	5	TTC37	94799599	rs73145973	5	94800700	C	T	0.176938	0.00353542	0.0124845	0.777034	0.561252	0.0683155	2.11E-16	0.00629917	0.0222572	0.7771641	0.3208777	14	0.94619098
ENSG00000153113	5	CAST	95860971	rs4267886	5	95997266	C	T	0.151093	0.0144531	0.0116838	0.216078	0.600592	0.0668461	2.59E-19	0.0240648	0.0196373	0.2204019	0.8339379	14	0.72614309
ENSG00000164307	5	ERAP1	96096521	rs13160562	5	96111371	A	G	0.327038	-0.0144342	0.00906573	0.111345	-0.753484	0.0740048	2.40E-24	0.0191566	0.012178	0.1157063	0.4125447	20	0.62351589
ENSG00000164308	5	ERAP2	96211643	rs2910686	5	96252589	C	T	0.426441	-0.0051338	0.00809615	0.526017	1.17836	0.0775529	3.86E-52	-0.0043567	0.00687667	0.526377	0.170823	19	0.8764094
ENSG00000174136	5	RGMB	98104354	rs2617508	5	98130968	A	G	0.167992	0.0158356	0.0145485	0.276387	-0.531191	0.092406	9.01E-09	-0.0298115	0.0278751	0.2848596	0.04767125	7	0.76742901
ENSG00000175749	5	EIF3KP1	102368080	rs10434793	5	102389815	T	A	0.275348	0.00270696	0.00860903	0.753193	0.690777	0.101977	1.25E-11	0.00391872	0.0124762	0.7534493	0.4104784	20	0.94372368
ENSG00000249476	5	CTD-2587M2.1	108572821	rs1965670	5	108649798	T	A	0.248509	0.0119284	0.00922692	0.196085	0.771203	0.107243	6.42E-13	0.0154673	0.0121561	0.2032363	0.7870678	12	0.71094415
ENSG00000198961	5	PJA2	108670410	rs10079946	5	108816329	G	A	0.0198807	-0.0092473	0.0300278	0.758115	0.415058	0.075831	4.41E-08	-0.0222795	0.0724605	0.7584844	0.9062949	5	0.9444508
ENSG00000145777	5	TSLP	110405760	rs3806933	5	110406742	T	C	0.454274	-0.0110276	0.00808817	0.172749	-0.80421	0.0988276	4.04E-16	0.0137123	0.0101975	0.1787286	0.6068065	8	0.68053895
ENSG00000164904	5	ALDH7A1	125877533	rs10050642	5	125902226	G	A	0.189861	0.00566064	0.0122672	0.644479	0.293373	0.0476336	7.32E-10	0.019295	0.0419315	0.6454047	0.9843057	5	0.91325402
ENSG00000245937	5	CTC-228N24.3	127276118	rs6888037	5	127406259	T	G	0.787276	-0.0140368	0.0111572	0.208359	0.363248	0.0658316	3.43E-08	-0.0386425	0.0315034	0.2199678	0.3845181	3	0.72614309
ENSG00000113396	5	SLC27A6	127873706	rs149651657	5	128305668	C	G	0.297217	-0.0107756	0.00959345	0.261341	-0.704832	0.108853	9.47E-11	0.0152882	0.0138142	0.2684249	0.2346031	20	0.75616222
ENSG00000158985	5	CDC42SE2	130581186	rs3852206	5	131415436	A	G	0.367793	0.00347977	0.00903101	0.700005	0.258885	0.046803	3.18E-08	0.0134414	0.0349688	0.7006953	0.9847183	12	0.93377999
ENSG00000164398	5	ACSL6	131142683	rs426991	5	131327345	C	T	0.76839	-0.0170471	0.00944073	0.0709659	0.268946	0.048083	2.23E-08	-0.0633848	0.0368865	0.08572856	0.4228272	6	0.60491356
ENSG00000233006	5	AC034220.3	131646978	rs2631365	5	131705949	C	T	0.416501	-0.0060714	0.00807129	0.451916	-0.947788	0.0883631	7.68E-27	0.00640587	0.00853684	0.4530259	0.7353548	20	0.84363563
ENSG00000197375	5	SLC22A5	131705444	rs57750646	5	131680264	A	G	0.0944334	0.0109247	0.0143476	0.446397	-0.483959	0.0752538	1.27E-10	-0.0225736	0.0298534	0.4495599	0.8818628	20	0.84260552
ENSG00000164615	5	CAMLG	134074191	rs12655433	5	133979933	G	A	0.141153	0.00356793	0.0102901	0.728791	0.924172	0.072114	1.34E-37	0.00386068	0.0111385	0.7288863	0.4801822	20	0.93735246
ENSG00000113621	5	TXNDC15	134209493	rs3733897	5	134223593	G	A	0.149105	0.0117445	0.0100676	0.243388	0.54366	0.073422	1.32E-13	0.0216027	0.0187466	0.249177	0.4201717	10	0.75237769
ENSG00000270021	5	CTC-203F4.2	134734970	rs6870570	5	134756056	G	A	0.950298	0.00346035	0.019583	0.859743	0.792431	0.0955067	1.07E-16	0.00436675	0.0247182	0.8597741	0.9493839	12	0.97246562
ENSG00000253404	5	AC034243.1	138080123	rs288024	5	138223792	G	A	0.266402	0.0283775	0.00867324	0.00106846	1.04414	0.0932387	4.14E-29	0.0271779	0.00865386	0.00168631	0.703416	20	0.1654265
ENSG00000120306	5	CYSTM1	139554227	rs7726349	5	139537771	T	C	0.22167	-0.0352582	0.00908881	0.00010476	-0.240358	0.0358782	2.09E-11	0.14669	0.0436958	0.00078771	0.8052679	9	0.15048433
ENSG00000213523	5	SRA1	139916925	rs1835148	5	139980775	C	T	0.275348	-0.0071293	0.00834628	0.393001	-0.321314	0.0565765	1.35E-08	0.0221879	0.0262676	0.3982862	0.7307831	6	0.81740275
ENSG00000204963	5	PCDHA7	140213969	rs35160890	5	140272255	G	A	0.333996	0.0202086	0.00877936	0.0213447	-0.651734	0.112573	7.06E-09	-0.0310074	0.0144965	0.03243837	0.1659129	9	0.46470893
ENSG00000239389	5	PCDHA13	140261793	rs251379	5	140258922	A	G	0.662028	-0.0203692	0.00877956	0.0203376	-0.722186	0.0932203	9.40E-15	0.0282049	0.0126904	0.02624651	0.2091028	20	0.45557341
ENSG00000120322	5	PCDHB8	140557371	rs12654066	5	140523774	T	C	0.239563	0.00180051	0.00994439	0.856322	0.724143	0.107369	1.54E-11	0.0024864	0.0137376	0.8563733	0.1533019	5	0.9711325
ENSG00000253731	5	PCDHGA6	140753651	rs72790019	5	140758318	A	G	0.0457256	0.0118584	0.0153063	0.438495	-0.853743	0.146963	6.28E-09	-0.0138899	0.0180872	0.4425224	0.453054	3	0.84015584
ENSG00000133706	5	LARS	145492601	rs11956508	5	145460464	C	T	0.251491	0.0143378	0.00862351	0.0963851	0.647057	0.0849685	2.63E-14	0.0221585	0.0136412	0.1042956	0.3235259	11	0.61771552
ENSG00000169302	5	STK32A	146614526	rs2400283	5	146627217	T	C	0.413519	0.0181939	0.00812425	0.0251264	-0.379069	0.0633899	2.23E-09	-0.0479963	0.0228857	0.03597436	0.6136777	6	0.46953024
ENSG00000204909	5	SPINK9	147700766	rs10044054	5	147735376	C	T	0.252485	0.00544581	0.00900465	0.545327	0.638423	0.0937488	9.76E-12	0.0085301	0.01416	0.5469035	0.02087954	7	0.88105123
ENSG00000173210	5	ABLIM3	148521046	rs1109114	5	148615946	T	C	0.360835	0.0116006	0.00840439	0.167493	-0.625544	0.0748792	6.60E-17	-0.0185448	0.0136175	0.1732488	0.7722054	18	0.67633689
ENSG00000183111	5	ARHGEF37	148931510	rs80215224	5	149019717	A	G	0.143141	-0.0100807	0.011465	0.379259	-0.281133	0.0450023	4.18E-10	0.0358574	0.0411834	0.3839306	0.9422402	13	0.8131246
ENSG00000254333	5	CTC-367J11.1	149855094	rs3846703	5	149857460	T	C	0.0725646	0.0225751	0.014915	0.130131	1.42448	0.18185	4.75E-15	0.015848	0.0106642	0.1372538	0.9054071	10	0.64953202
ENSG00000197083	5	ZNF300P1	150310207	rs12659118	5	150324622	C	T	0.115308	0.0160302	0.0132866	0.227629	1.32894	0.140176	2.53E-21	0.0120624	0.0100785	0.2313685	0.0773799	13	0.73920275
ENSG00000211445	5	GPX3	150400124	rs1478397	5	150356620	G	A	0.354871	0.0109724	0.00828478	0.185369	0.454316	0.0790558	9.10E-09	0.0241515	0.0187137	0.196851	0.1753699	9	0.69917872
ENSG00000213433	5	RP11-54C4.1	151145420	rs6890099	5	151151962	G	A	0.263419	-0.0281543	0.00873166	0.00126238	-0.815821	0.0906863	2.34E-19	0.0345104	0.0113696	0.00240285	0.1336301	16	0.19870039
ENSG00000251405	5	CTB-109A12.1	156789623	rs11466815	5	156907171	A	G	0.0914513	0.00907302	0.0133309	0.496125	1.06173	0.120076	9.39E-19	0.00854551	0.012593	0.4973955	0.9154743	15	0.86756558
ENSG00000248544	5	CTB-47B11.3	156802749	rs11134788	5	156942675	C	A	0.0904573	0.00852826	0.0135937	0.530418	1.18179	0.170507	4.18E-12	0.00721639	0.0115497	0.532093	0.834516	6	0.88027458
ENSG00000135074	5	ADAM19	156822542	rs11465233	5	157001953	A	T	0.147117	-0.012711	0.0124981	0.309138	-0.666106	0.10274	8.97E-11	0.0190825	0.0189924	0.3150183	0.4213035	5	0.77503864
ENSG00000118322	5	ATP10B	159990127	rs12656129	5	160305589	A	G	0.728628	0.0123899	0.011571	0.284271	-0.650305	0.0690938	4.87E-21	-0.0190524	0.017908	0.28737	0.4394863	20	0.76780717
ENSG00000188573	5	FBLL1	167956121	rs1990920	5	167972986	C	T	0.167992	-0.0076449	0.010844	0.480817	0.291497	0.0485352	1.90E-09	-0.0262263	0.0374565	0.4838139	0.8026594	12	0.85920921
ENSG00000113734	5	BNIP1	172571445	rs72816171	5	172595998	T	G	0.117296	-0.005789	0.0131192	0.659024	-0.78004	0.114808	1.09E-11	0.00742143	0.0168541	0.6596947	0.4408245	9	0.91773027

ENSG00000253955	5	CTB-33O18.3	173006646	rs72822182	5	173022152	C	T	0.229622	0.00189401	0.00919285	0.836767	0.763862	0.139989	4.85E-08	0.00247952	0.0120433	0.8368815	0.1181391	4	0.96316192
ENSG00000051596	5	THOC3	175344876	rs62389965	5	175370893	T	C	0.254473	-0.0149398	0.00915973	0.102885	0.81335	0.0735701	2.06E-28	-0.0183682	0.0113836	0.1066218	0.2408088	6	0.61771552
ENSG00000213347	5	MXD3	176728462	rs244726	5	176536408	A	G	0.274354	-0.0037526	0.00946603	0.691786	-0.497231	0.0831548	2.24E-09	0.00754708	0.0190793	0.6924268	0.7240921	12	0.93325553
ENSG00000184840	5	TMED9	177019159	rs335485	5	176993284	G	C	0.362823	0.00157287	0.00852658	0.853648	-0.242185	0.0428568	1.59E-08	-0.0064945	0.0352256	0.8537244	0.9855809	7	0.96985738
ENSG00000027847	5	B4GALT7	177027101	rs28473516	5	177032050	G	C	0.335984	0.00113339	0.00874956	0.896933	-0.33074	0.0594946	2.71E-08	-0.0034268	0.0264617	0.8969607	0.614216	5	0.97933547
ENSG00000249849	5	RP11-1101H11.1	177109295	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.633408	0.103138	8.18E-10	0.0226827	0.013548	0.09408286	0.5302272	9	0.6126887
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.782937	0.0657582	1.10E-32	0.0183506	0.0106574	0.08509452	0.5910177	20	0.60204943
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	0.98952	0.0956146	4.23E-25	0.0166676	0.00864005	0.05371775	0.7188812	19	0.56212074
ENSG00000170089	5	RP11-423H2.1	177236408	rs62399486	5	177267396	A	G	0.392644	0.00934374	0.00820082	0.254551	0.562905	0.0822702	7.80E-12	0.0165991	0.0147694	0.2610594	0.5753823	6	0.75616222
ENSG00000204677	5	FAM153C	177433406	rs56002451	5	177464044	G	T	0.43837	0.00787697	0.00811686	0.331825	0.294315	0.0467112	2.96E-10	0.0267637	0.027904	0.3374904	0.8601794	13	0.80021309
ENSG00000218227	5	RP11-889L3.1	177482605	rs7731593	5	177432595	G	A	0.493042	0.00150822	0.00808074	0.85194	0.48491	0.0693136	2.64E-12	0.00311031	0.0166703	0.851992	0.4501968	20	0.96955881
ENSG00000087116	5	ADAMTS2	178537852	rs6899233	5	178591438	A	G	0.241551	-0.0037167	0.00874684	0.670893	0.665787	0.103348	1.18E-10	-0.0055825	0.0131661	0.6715641	0.1405653	4	0.91826822
ENSG00000127022	5	CANX	179105629	rs34329357	5	179130408	C	G	0.502982	0.0130015	0.0080588	0.106672	-0.369266	0.0458436	7.95E-16	-0.035209	0.0222573	0.1136699	0.9404048	17	0.62310716
ENSG00000161010	5	C5orf45	179261436	rs2450484	5	179259842	C	G	0.510934	-0.0160305	0.00824525	0.0518704	-0.419269	0.0610548	6.55E-12	0.0382344	0.0204388	0.06138925	0.5195605	9	0.56212074
ENSG00000197226	5	TBC1D9B	179289066	rs272441	5	179301260	G	A	0.884692	-0.0021476	0.0151594	0.887341	1.11438	0.102059	9.35E-28	-0.0019272	0.0136046	0.8873497	0.9417783	9	0.97641549
ENSG00000131459	5	GFPT2	179727690	rs7728939	5	179725264	A	G	0.196819	0.00894656	0.0118329	0.449603	0.43011	0.0787303	4.68E-08	0.0208006	0.0277736	0.4538955	0.0995763	5	0.84363563
ENSG00000037280	5	FLT4	180028506	rs1130378	5	180043388	A	G	0.282306	-0.0050689	0.00955513	0.595775	-0.908014	0.0977448	1.55E-20	0.00558236	0.0105403	0.5963734	0.5380746	20	0.89676889
ENSG00000248275	5	TRIM52-AS1	180688213	rs34138315	5	180700511	C	G	0.272366	0.00551083	0.00898131	0.539487	-0.999216	0.0689932	1.56E-47	-0.0055152	0.00899642	0.5398507	0.1613787	20	0.88027458
ENSG00000272463	6	RP11-532F6.3	708592	rs2244443	6	711150	C	A	0.707753	-0.006699	0.00912033	0.462634	0.895366	0.100766	6.36E-19	-0.0074819	0.0102209	0.4641574	0.521898	20	0.85004484
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.0797	0.0904152	7.19E-33	0.00794036	0.00920986	0.3885998	0.875731	20	0.8131246
ENSG00000145949	6	MYLK4	2663863	rs13216410	6	2765570	T	C	0.299205	-0.0095034	0.00852252	0.264812	0.495851	0.0788064	3.13E-10	-0.0191658	0.0174555	0.2722128	0.471791	5	0.76018963
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-1.01426	0.0881726	1.27E-30	-0.002622	0.00810201	0.7462249	0.2912526	14	0.94072965
ENSG00000124588	6	NQO2	2988221	rs9392449	6	3001431	T	C	0.186879	1.32E-05	0.00967706	0.99891	-0.790894	0.0965927	2.66E-16	-1.67E-05	0.0122356	0.9989101	0.826754	20	0.9989101
ENSG00000272277	6	RP1-40E16.12	3068279	rs12663589	6	3069057	T	C	0.544732	-0.0014399	0.00827713	0.861898	-0.702635	0.113292	5.58E-10	0.00204924	0.0117848	0.8619525	0.2490509	6	0.9739736
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	1.13313	0.109971	6.77E-25	0.00317475	0.00901244	0.7246414	0.07536502	10	0.93728518
ENSG00000230269	6	RP1-40E16.9	3182978	rs9503439	6	3193539	T	G	0.0129225	-0.0300908	0.021987	0.171133	-1.03349	0.154984	2.59E-11	0.0291157	0.0217179	0.1800408	0.4506449	4	0.68069867
ENSG00000180822	6	PSMG4	3231637	rs11753155	6	3265000	T	C	0.842942	0.00941354	0.0116898	0.42066	0.478183	0.0680325	2.08E-12	0.0196861	0.0246062	0.423685	0.0950907	9	0.83313662
ENSG00000228793	6	RP1-223B1.1	3594481	rs226950	6	3716413	A	G	0.675944	0.012455	0.00884688	0.159179	0.522774	0.0806222	8.92E-11	0.0238248	0.0173172	0.1688875	0.1406115	7	0.67338032
ENSG00000198721	6	ECI2	4115923	rs617790	6	4115758	T	C	0.332008	-0.0034324	0.00928401	0.711598	-0.322596	0.0384565	4.92E-17	0.0106399	0.028807	0.7118667	0.9850658	20	0.93557648
ENSG00000214113	6	LYRM4	5102827	rs111557465	6	5260694	T	C	0.083499	0.0242319	0.0132953	0.068366	0.54851	0.0967742	1.45E-08	0.0441777	0.0254613	0.08272454	0.507299	8	0.59786567
ENSG00000124783	6	SSR1	7268539	rs72818961	6	7297674	C	T	0.0347913	-0.0271692	0.0285434	0.34117	-0.971025	0.142698	1.01E-11	0.0279799	0.0296813	0.3458457	0.952683	9	0.80339547
ENSG00000124784	6	RIOK1	7389729	rs72822957	6	7444855	C	T	0.573559	-0.0073282	0.00817581	0.370081	0.522612	0.0784097	2.64E-11	-0.0140222	0.015785	0.3743656	0.9900059	17	0.8131246
ENSG00000230314	6	ELOVL2-AS1	11043757	rs66464172	6	10979018	C	T	0.449304	0.0136141	0.00806132	0.0912536	-0.448769	0.0778827	8.31E-09	-0.0303365	0.0187188	0.1050941	0.1209098	5	0.61771552
ENSG00000145979	6	TBC1D7	13266774	rs454563	6	13295536	T	C	0.877734	0.020403	0.0100814	0.0429893	-0.90958	0.10935	8.94E-17	-0.0224312	0.0114069	0.04924571	0.6810658	20	0.53702243
ENSG00000050393	6	MCUR1	13786789	rs3757254	6	13788252	C	T	0.327038	0.0183857	0.00837483	0.0281384	0.444323	0.0475101	8.59E-21	0.0413791	0.0193609	0.03257717	0.2714628	15	0.46470893
ENSG00000047579	6	DTNBP1	15523032	rs1047631	6	15523101	C	T	0.148111	-0.0058362	0.0111719	0.601392	0.358304	0.0508553	1.85E-12	-0.0162884	0.0312655	0.6023884	0.5101896	8	0.90017157
ENSG00000228412	6	RP4-625H18.2	19802395	rs6456270	6	19800491	G	C	0.322068	-0.0051104	0.0088782	0.564881	0.616032	0.093039	3.56E-11	-0.0082956	0.0144663	0.5663443	0.1118914	8	0.88384542
ENSG00000124532	6	MRS2	24403153	rs6456612	6	24406753	G	A	0.354871	-0.0151034	0.00820415	0.0656296	0.48892	0.0572363	1.32E-17	-0.0308914	0.0171654	0.07191943	0.3894196	14	0.58576292
ENSG00000111802	6	TDP2	24650205	rs707887	6	24650671	T	C	0.677932	-0.002873	0.00821566	0.726566	-0.324308	0.0544009	2.50E-09	0.00885883	0.0253764	0.7270167	0.3230305	7	0.93728518
ENSG00000272462	6	U91328.19	25992890	rs1935234	6	26067785	T	C	0.250497	-0.0159681	0.0108689	0.141792	0.637513	0.0897235	1.20E-12	-0.0250475	0.0174095	0.1502293	0.1894056	20	0.66214005
ENSG00000187837	6	HIST1H1C	26055968	rs1935235	6	26067782	G	C	0.673956	-0.0064889	0.00859043	0.450034	0.458008	0.0664492	5.48E-12	-0.0141675	0.0188684	0.4527354	0.3415256	17	0.84363563
ENSG00000186470	6	BTN3A2	26365387	rs72841536	6	26378288	A	T	0.111332	-0.0704274	0.0145569	1.31E-06	-1.10589	0.129202	1.13E-17	0.0636839	0.0151203	2.53E-05	0.02235363	20	0.06685376
ENSG00000124508	6	BTN2A2	26383324	rs9467740	6	26383250	T	A	0.183897	-0.004207	0.0104269	0.686602	0.701649	0.109468	1.46E-10	-0.0059958	0.01489	0.6871882	0.2452276	5	0.93024642
ENSG00000181315	6	ZNF322	26636518	rs2498342	6	26644921	A	G	0.5666	-0.0060545	0.00810291	0.454941	-0.553166	0.0708718	5.94E-15	0.0109452	0.0147152	0.4569959	0.00029643	20	0.84395534
ENSG00000124613	6	ZNF391	27342394	rs4455661	6	27373130	C	T	0.740557	-0.0095003	0.00832515	0.253804	0.554462	0.0734436	4.37E-14	-0.0171343	0.0151854	0.2591767	0.1053059	16	0.75616222
ENSG00000219392	6	RP1-265C24.5	28083406	rs9368548	6	28034737	G	A	0.192843	-0.0400716	0.0110471	0.00028638	-0.709489	0.0984292	5.67E-13	0.0564795	0.0174309	0.00119448	0.2283085	18	0.15048433
ENSG00000216901	6	AL022393.7	28143966	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	1.11148	0.0909646	2.47E-34	-0.0196111	0.00808856	0.01532771	0.00026638	20	0.38894064
ENSG00000197062	6	RP5-874C20.3	28234788	rs2394049	6	28239681	G	A	0.403579	-0.0294714	0.00853373	0.00055333	-0.528136	0.0700911	4.88E-14	0.0558027	0.0177745	0.0016925	0.4335391	20	0.1654265
ENSG00000235109	6	ZSCAN31	28292470	rs9301	6	28292706	C	T	0.380716	-0.0278165	0.00865242	0.001305	0.850399	0.0908663	8.07E-21	-0.0327099	0.0107581	0.00236194	0.2503256	20	0.19870039
ENSG00000187987	6	ZSCAN23	28399707	rs2531806	6	28417152	A	C	0.45825	-0.0241436	0.00831381	0.00368383	0.502024	0.0762282	4.52E-11	-0.0480925	0.0180991	0.00787991	0.1266033	19	0.33463226
ENSG00000204681	6	GABBR1	29523406	rs28359988	6	29600054	C	G	0.0974155	0.0250469	0.0179584	0.1631	0.524191	0.0866236	1.44E-09	0.047782	0.0351574	0.1741191	0.6779383	4	0.67633689
ENSG00000239257	6	RPL23AP1	29694446	rs1736905	6	29707661	G	A	0.342942	-0.0081644	0.0089377	0.360993	0.695247	0.0916783	3.36E-14	-0.0117431	0.0129484	0.3644498	0.1683236	20	0.81292847
ENSG00000181126	6	HLA-V	29758731	rs1633097	6	29784192	G	C	0.39662	-0.0082968	0.00857017	0.332991	0.595694	0.0708937	4.37E-17	-0.013928	0.014482	0.3361779	0.516604	20	0.79837012
ENSG00000176998	6	HCG4	29758816	rs1610703	6	29781613	A	T	0.311133	-0.0024632	0.00949206	0.79525	-0.41142	0.0720853	1.15E-08	0.00598705	0.0230953	0.7954561	0.322392	11	0.94619098
ENSG00000230521	6	HCG4P7	29855071	rs9260639	6	29923423	T	C	0.159046	-0.0013595	0.0121516	0.910922	-0.900277	0.11247	1.20E-15	0.00151006	0.0134989	0.9109305	0.2932118	20	0.97933547
ENSG00000206341	6	HLA-H	29855350	rs28724990	6	29816542	A	T	0.175944	0.00392171	0.0116898	0.737261	0.809784	0.116909	4.31E-12	0.00484291	0.0144526	0.7375583	0.1458583	20	0.93797307
ENSG00000227262	6	HCG4B	29893760	rs9260867	6	29946021	A	G	0.0576541	0.0220296	0.0255633	0.388817	1.11661	0.190625	4.70E-09	0.019729	0.0231401	0.3938871	0.9238715	20	0.81370679
ENSG00000230795	6	HLA-K	29894236	rs2975031	6	29832919	G	A	0.685885	0.00149461	0.00835509	0.858027	-0.890102	0.0993618	3.30E-19	-0.0016791	0.00938854	0.8580551	0.0394308	20	0.97143175
ENSG00000206503	6	HLA-A	29909037	rs2517673	6	29937242	A	G	0.112326	0.0137	0.0155024	0.37684	-0.469701	0.0852901	3.65E-08	-0.0291675	0.0334271	0.3828971	0.8397551	20	0.8131246
ENSG00000235290	6	HLA-W	29924373	rs78841522	6	29913698	C	G	0.111332	-0.0156864	0.0138737	0.2582	0.983974	0.145349	1.29E-11	-0.0159419	0.014295	0.2647604	0.1527964	20	0.75616222
ENSG00000204623	6	ZNRD1-AS1	29968788	rs9261244	6	30018015	A	G	0.472167	-0.0091034	0.00806904	0.25924	-0.450822	0.0596999	4.30E-14	0.0201929	0.0180972	0.2645051	0.2608116	20	0.75616222
ENSG00000237669	6	HCG4P3	29973898	rs1150741	6	30029651	G	C	0.260437	-0.0218985	0.00875903	0.0124157	0.745759	0.0993859	6.21E-14	-0.029364	0.0123799	0.01769619	0.6895144	20	0.3923078
ENSG00000204622	6	HLA-J	29974360	rs9260114	6	29909988	T	C	0.661034	0.011283	0.00828646	0.173317	0.763798	0.0953887	1.17E-15	0.0147722	0.0110048	0.1794828	0.2494533	20	0.68053895
ENSG00000204618	6	RNF39	30038043	rs9261302	6	30042349	A	G	0.0954274	0.0168781	0.0179697	0.347599	0.870464	0.098404	9.09E-19	0.0193898	0.0207599	0.3503024	0.9615183	20	0.80500918
ENSG00000270604	6	HCG17	30201816	rs2517611	6	30169327	G	A	0.177932	-0.027326	0.0125725	0.0297447	-0.800114	0.11159	7.49E-13	0.0341526	0.0164195	0.03752464	0.06008151	20	0.47381591
ENSG00000243753	6	HLA-L	30227361	rs2844645	6	31015182	A	G	0.471173	0.00247839	0.00826191	0.764193	0.521079	0.0878512	3.00E-09	0.00475627	0.0158757	0.7644861	0.2258965	20	0.94565716
ENSG00000231074	6	HCG18	30255174	rs2516698	6	30232374	A	G	0.055666	0.0583276	0.0481725	0.225969	0.744701	0.122225	1.11E-09	0.0783235	0.065952	0.2349973	0.03984148	4	0.74359457
ENSG00000228022	6	HCG20	30734602	rs7740474	6	30760948	G	A	0.431412	0.00283087	0.0086631	0.743839	-0.599444	0.0978047	8.84E-10	-0.0047225	0.0144724	0.7441899	0.0177923	6	0.9395596
ENSG00000137411	6	VARS2	30876019	rs2532920	6	30923629	T	C	0.357853	-0.0101635	0.00827039	0.21911	0.484576	0.0568508	1.55E-17	-0.020974	0.0172437	0.2238609	0.3254683	18	0.72892317
ENSG00000196260	6	SFTA2	30899130	rs1264327	6	30850582	A	G	0.340954	-0.0079286	0.00829753	0.339303	0.613879	0.104321	3.99E-09	-0.0129156	0.0136936	0.3455847	0.9687596	7	0.80339547
ENSG00000228789	6	HCG22	31021227	rs2394424	6	31020360	C	T	0.574553	-0.0149057	0.00810832	0.0660146	0.627725	0.0976547	1.29E-10	-0.0237456	0.0134348	0.07715069	0.1886789	20	0.59014687
ENSG00000204536	6	CCHCR1	31110216	rs1150765	6	31127562	T	C	0.205765	-0.0175136	0.0112734	0.120297	0.476816	0.0756241	2.88E-10	-0.0367303	0.0243502	0.1314471	0.2511031	14	0.64953202
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	0.889631	0.12928	5.93E-12	0.00329447	0.0125307	0.7926194	0.8594084	9	0.94619098
ENSG00000204531	6	POU5F1	31132119	rs3095247	6	31209389	A	G	0.434394	0.00012828	0.00807829	0.98733	0.630036	0.104016	1.39E-09	0.00020361	0.012822	0.9873302	0.7663632	20	0.99484259
ENSG00000272501	6	Xbac-BPG299F13.1	31162977	rs2394986	6	31327177	T	C	0.129225	-0.0029559	0.0113793	0.79505	0.9213	0.152348	1.47E-09	-0.0032084	0.0123627	0.7952347	0.6630066	20	0.94619098
ENSG00000206344	6	HCG27	31165537	rs6919908	6	31244960	C	T	0.832008	-0.0057183	0.00993857	0.565045	0.708998	0.10013	1.43E-12	-0.0080653	0.014064	0.5663242	0.2523079	20	0.88384542
ENSG00000204525	6	HLA-C	31236526	rs2524119	6	31229404	C	T	0.617296	0.0179443	0.00843872	0.033468	-0.643766	0.0571999	2.20E-29	-0.0278739	0.0133403	0.03666656	0.5982187	20	0.46953024
ENSG00000272221	6	XXbac-BPG181B23.	31362066	rs75098758	6	31361004	C	T	0.294235	-0.0062057	0.00873467	0.477413	-0.998586	0.109432	7.16E-20	0.00621451	0.00877351	0.4787427	0.1700373	20	0.85526169
ENSG00000204520	6	MICA	31371356	rs9295996	6	31390558	G	T	0.299205	-0.0110579	0.00850824	0.193714	-0.919472	0.0782079	6.52E-32	0.0120264	0.00930977	0.1964263	0.0286833	20	0.6990302
ENSG00000204516	6	MICB	31462658	rs2516400	6	31481105	A	G	0.270378	-0.0048772	0.0088107	0.579888	0.465919	0.085263	4.64E-08	-0.0104678	0.0190071	0.5818187	0.380805	8	0.88701303
ENSG00000204463	6	BAG6	31606805	rs2844462	6	31651247	A	G	0.0477137	0.0166426	0.0270633	0.538587	0.879924	0.138329	2.00E-10	0.0189137	0.0308998	0.5404734	0.07809646	10	0.88027458
ENSG00000240053	6	LY6G5B	31637944	rs4569	6	31637807	T	C	0.295229	-0.0200851	0.0082797	0.0152736	-0.311395	0.0515831	1.57E-09	0.0645004	0.0286555	0.02439255	0.0350222	6	0.44349033
ENSG00000204428	6	LY6G5C	31644461	rs1266073	6	31667028	A	C	0.297217	-0.0199677	0.00827981	0.0158818	-1.04012	0.0822272	1.13E-36	0.0191975	0.00810382	0.01783893	0.0116038	20	0.3923078
ENSG00000204371	6	EHMT2	31847536	rs630379	6	31922254	C	A	0.787276	0.0126338	0.00896346	0.158695	0.30431	0.0470171	9.65E-11	0.0415162	0.0301454	0.1684503	0.01041354	16	0.67338032
ENSG00000204351	6	SKIV2L	31926857	rs2734326	6	31943585	C	T	0.141153	0.0294523	0.0152044	0.0527351	0.691987	0.0755669	5.32E-20	0.0425619	0.0224583	0.05807213	0.2399393	14	0.56212074
ENSG00000244731	6	C4A	31949801	rs1265905	6	31909941	G	A	0.0725646	-0.0417551	0.0141302	0.00312637	-0.798415	0.129722	7.52E-10	0.0522975	0.0196319	0.00772398	0.02680523	20	0.33463226
ENSG00000204338	6	CYP21A1P	31973413	rs2854275	6	32628428	A	C	0.10338	-0.0352995	0.0135086	0.00897222	-0.950499	0.149456	2.02E-10	0.0371379	0.015365	0.01564749	0.820175	20	0.39086858
ENSG00000231852	6	CYP21A2	32006042	rs3131294	6	32180146	G	A	0.88668	-0.0096736	0.0116369	0.40581	0.658357	0.112868	5.44E-09	-0.0146936	0.0178543	0.4105239	0.1380788	20	0.82530876
ENSG00000213676	6	ATF6B	32065953	rs2228628	6	32088854	C	G	0.298211	0.0232737	0.00836151	0.00537861	0.558003	0.0796134	2.40E-12	0.0417089	0.0161231	0.00968419	0.6898227	13	0.34100144
ENSG00000204301	6	NOTCH4	32162620	rs2269423	6	32145707	C	A	0.631213	0.0103465	0.00813272	0.203299	-0.323186	0.0582502	2.89E-08	-0.0320141	0.0258173	0.2149661	0.06113643	16	0.72175005
ENSG00000198502	6	HLA-DRB5	32485120	rs9270700	6	32567306	T	C	0.845924	-0.0215987	0.0113818	0.0577431	-1.3293	0.111025	4.92E-33	0.0162482	0.00866913	0.06089498	0.7913356	20	0.56212074
ENSG00000229391	6	HLA-DRB6	32520490	rs9272323	6	32604151	T	C	0.336978	-0.00254	0.009374	0.786423	1.03504	0.0955883	2.53E-27	-0.002454	0.00905949	0.7864886	1	20	0.94619098
ENSG00000196126	6	HLA-DRB1	32546546	rs9270707	6	32567351	G	A	0.854871	-0.0263073	0.0116777	0.0242734	-0.687104	0.0843116	3.65E-16	0.0382872	0.0176329	0.02990486	0.02868021	20	0.45663232
ENSG00000196735	6	HLA-DQA1	32595956	rs12527758	6	32620286	C	T	0.441352	-0.0022237	0.00816241	0.785293	-0.394366	0.0682079	7.39E-09	0.00563859	0.0207205	0.785525	0.8110424	20	0.94619098
ENSG00000179344	6	HLA-DQB1	32627244	rs9273404	6	32627160	G	A	0.460239	-0.0055557	0.00807149	0.49126	-0.93087	0.075428	5.44E-35	0.00596824	0.00868439	0.4919324	1	20	0.86503051
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs3129776	6	32642981	T	C	0.808151	-0.0274911	0.00962246	0.00427711	-0.678538	0.110016	6.93E-10	0.0405152	0.0156287	0.00953219	0.6669312	20	0.34100144
ENSG00000237541	6	HLA-DQA2	32709119	rs9272358	6	32604538	A	G	0.370775	-0.0062262	0.00858014	0.46805	0.951464	0.0922502	6.09E-25	-0.0065438	0.00904012	0.4691483	0.7183674	20	0.85004484
ENSG00000232629	6	HLA-DQB2	32723875	rs17843589	6	32615843	A	T	0.408549	-0.0053807	0.00809999	0.506509	0.786131	0.0817591	6.90E-22	-0.0068445	0.0103282	0.5075202	1	20	0.87067964
ENSG00000241106	6	HLA-DOB	32780540	rs1894406	6	32787056	T	C	0.364811	-0.0139794	0.00809801	0.0842985	-0.764911	0.0964569	2.19E-15	0.0182759	0.0108348	0.09164711	0.7856927	20	0.60921089
ENSG00000204267	6	TAP2	32789610	rs9276512	6	32720137	T	A	0.792247	-0.0158176	0.00943272	0.0935643	0.420379	0.0717694	4.70E-09	-0.037627	0.02334	0.1069353	0.9989615	20	0.61771552
ENSG00000204257	6	HLA-DMA	32916390	rs112935194	6	32957897	C	T	0.0526839	-0.0246643	0.0157154	0.116546	0.845517	0.126383	2.23E-11	-0.0291707	0.0190913	0.1265239	0.5078211	9	0.64708638
ENSG00000223865	6	HLA-DPB1	33043703	rs1042133	6	33048606	C	G	0.186879	0.024155	0.0110479	0.0287872	0.478348	0.0805208	2.84E-09	0.0504967	0.0246105	0.04018542	0.5422227	12	0.48204238
ENSG00000224557	6	HLA-DPB2	33080228	rs3130221	6	33089827	G	A	0.260437	0.00949343	0.00928587	0.306614	0.842689	0.0981289	8.88E-18	0.0112656	0.0110971	0.3100184	0.2221383	20	0.77338489
ENSG00000230313	6	HCG24	33112560	rs3117034	6	33087358	A	T	0.406561	0.0184967	0.00819706	0.0240392	0.702289	0.0732984	9.59E-22	0.0263377	0.0119912	0.02806242	0.1737709	20	0.45663232
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.801597	0.0694477	8.06E-31	-0.012402	0.0223452	0.5788801	0.5562088	11	0.88600607
ENSG00000030110	6	BAK1	33540329	rs511515	6	33541507	G	A	0.722664	0.00964141	0.00975438	0.322948	-0.536648	0.0800025	1.97E-11	-0.017966	0.0183728	0.3281437	0.9862107	4	0.78939948
ENSG00000197251	6	LINC00336	33553883	rs210137	6	33542478	T	C	0.194831	-0.0217119	0.0117461	0.0645402	0.615508	0.100705	9.84E-10	-0.0352748	0.0199372	0.07684489	0.2613505	9	0.59014687
ENSG00000161904	6	LEMD2	33738979	rs4713678	6	33742097	C	T	0.529821	-0.0220191	0.00808698	0.00647336	-0.326099	0.0548947	2.84E-09	0.0675227	0.02728	0.01331711	0.7405206	3	0.36421138
ENSG00000196821	6	C6orf106	34555065	rs6907508	6	34592090	G	A	0.101392	-0.0208612	0.0102027	0.0408865	0.527456	0.0597575	1.08E-18	-0.0395506	0.0198554	0.04637894	0.4332528	20	0.51644866
ENSG00000124562	6	SNRPC	34725183	rs137931729	6	34731686	G	A	0.335984	-0.0087725	0.00857096	0.306062	-0.438261	0.0487288	2.39E-19	0.0200167	0.019683	0.3091749	0.03119107	14	0.77337684
ENSG00000065060	6	UHRF1BP1	34759857	rs4259246	6	34803947	T	C	0.33499	-0.0101367	0.00857615	0.237222	0.643337	0.0711313	1.51E-19	-0.0157564	0.0134441	0.2411978	0.03094698	14	0.74973026
ENSG00000198755	6	RPL10A	35436185	rs11553984	6	35436922	T	C	0.0318091	-0.025123	0.017203	0.144183	-0.887542	0.160438	3.17E-08	0.0283063	0.0200468	0.1579465	0.4284907	4	0.66726768
ENSG00000112041	6	TULP1	35465651	rs12529688	6	35512925	T	C	0.0785288	-0.0270176	0.0185665	0.14562	1.02586	0.152574	1.77E-11	-0.0263365	0.0185175	0.1549531	0.4792593	7	0.66726768
ENSG00000112053	6	SLC26A8	35911291	rs602932	6	35981637	T	C	0.236581	-0.0263817	0.00921289	0.00418909	-0.313169	0.0529274	3.28E-09	0.0842411	0.0326823	0.00994964	0.1139923	6	0.34100144
ENSG00000156711	6	MAPK13	36095586	rs12210904	6	36098191	A	C	0.305169	0.0187497	0.00985155	0.0570112	0.32078	0.0544756	3.90E-09	0.0584503	0.0322755	0.07014382	0.902668	3	0.58210547
ENSG00000246982	6	RP1-179N16.6	36114475	rs2859135	6	36114703	T	C	0.637177	-0.0149821	0.00919647	0.103288	-0.630943	0.0803187	3.98E-15	0.0237456	0.0148859	0.1106737	0.09825687	6	0.61771552
ENSG00000164530	6	PI16	36922209	rs72846873	6	36913344	T	C	0.164016	-0.0103354	0.012297	0.400636	1.09195	0.117598	1.61E-20	-0.0094651	0.0113075	0.4025592	0.09414408	18	0.81951022
ENSG00000198937	6	CCDC167	37450696	rs1224129	6	37413409	C	T	0.703777	-0.0112998	0.00833691	0.175293	0.43567	0.0535282	3.98E-16	-0.0259366	0.0193994	0.1812284	0.1035658	19	0.68192098
ENSG00000124767	6	GLO1	38643701	rs1781717	6	38662470	T	C	0.492048	-0.0063855	0.00821195	0.43681	-0.36765	0.0514561	9.00E-13	0.0173685	0.0224682	0.4395066	0.4567243	17	0.84015584
ENSG00000164627	6	KIF6	39297766	rs113886947	6	39684556	C	T	0.0765408	0.00289467	0.0154151	0.851048	0.484461	0.0871961	2.76E-08	0.00597503	0.0318372	0.851132	0.8879241	3	0.96955881
ENSG00000161912	6	ADCY10P1	41068761	rs62396317	6	41095817	G	A	0.154076	0.00769338	0.0129528	0.552542	0.645079	0.0807602	1.38E-15	0.0119263	0.0201348	0.5536366	0.7001286	11	0.88290059
ENSG00000112599	6	GUCA1B	42152139	rs13197564	6	42184400	T	C	0.637177	0.00399486	0.00886038	0.652085	0.546119	0.0774154	1.73E-12	0.007315	0.0162574	0.6527467	0.06992557	6	0.91325402
ENSG00000048544	6	MRPS10	42174539	rs9381159	6	42174984	T	C	0.637177	0.00409611	0.0088613	0.643904	0.422877	0.0538506	4.07E-15	0.00968629	0.0209911	0.644477	0.02771425	8	0.91325402
ENSG00000112619	6	PRPH2	42664340	rs3818087	6	42672407	C	T	0.256461	-0.0124102	0.00938345	0.18598	0.778651	0.111792	3.28E-12	-0.0159381	0.0122662	0.1938252	0.210688	9	0.69251395
ENSG00000146223	6	RPL7L1	42847356	rs1150797	6	42841231	A	G	0.26839	-0.0076643	0.0106029	0.469771	-0.432335	0.0760667	1.32E-08	0.0177277	0.0247223	0.4733288	0.6349913	6	0.85223985
ENSG00000124713	6	GNMT	42928496	rs9471975	6	42919222	C	T	0.588469	0.00356769	0.00811115	0.660046	-0.945564	0.091824	7.23E-25	-0.0037731	0.00858593	0.660336	0.5038241	16	0.91799792
ENSG00000124587	6	PEX6	42931608	rs9471974	6	42918984	A	T	0.462227	0.0009306	0.00833363	0.911087	0.681538	0.0608261	3.87E-29	0.00136544	0.0122283	0.9110912	0.7879793	20	0.97933547
ENSG00000112667	6	DNPH1	43193367	rs77321231	6	43200203	T	C	0.0705765	-0.0064346	0.0145463	0.658235	-0.472543	0.0810139	5.45E-09	0.0136169	0.0308714	0.6591529	0.4130835	5	0.91746018
ENSG00000124813	6	RUNX2	45295894	rs2677098	6	45436249	T	C	0.336978	0.00103431	0.00855209	0.903737	-0.591778	0.0820025	5.33E-13	-0.0017478	0.0144535	0.9037501	0.7059188	10	0.97933547
ENSG00000231769	6	RP1-8B1.4	46064830	rs3734208	6	46097758	G	C	0.672962	0.0283958	0.00898363	0.00157315	-0.560054	0.0682982	2.40E-16	-0.0507019	0.0171911	0.00318478	0.6788211	9	0.22117424
ENSG00000112796	6	ENPP5	46126924	rs4331969	6	46052093	A	G	0.611332	0.0249166	0.0081607	0.00226381	-0.339216	0.0583061	5.96E-09	-0.0734535	0.0271693	0.0068603	0.488651	8	0.33463226
ENSG00000153291	6	SLC25A27	46620678	rs1805017	6	46684222	T	C	0.255467	0.0242782	0.00911139	0.00770797	0.633014	0.0567792	7.27E-29	0.0383533	0.0147991	0.00955291	0.8548051	20	0.34100144
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.803208	0.0773627	2.98E-25	-0.0293294	0.0114639	0.01051523	0.7369375	20	0.35126192
ENSG00000146085	6	MUT	49398073	rs78391179	6	49485047	G	A	0.0129225	0.021391	0.0381926	0.575423	0.936311	0.151767	6.85E-10	0.022846	0.0409583	0.5769888	0.6510862	4	0.88600607
ENSG00000031691	6	CENPQ	49431091	rs6901278	6	49458097	G	A	0.311133	9.93E-05	0.00846147	0.990632	-0.462891	0.065401	1.47E-12	-0.0002146	0.0182796	0.9906324	0.3471827	14	0.99629531
ENSG00000112118	6	MCM3	52128807	rs72925235	6	52361027	A	G	0.0407555	0.0137089	0.0271356	0.613419	1.04117	0.152317	8.17E-12	0.0131668	0.0261337	0.6143839	0.1008221	3	0.90402898
ENSG00000137269	6	LRRC1	53659295	rs4260754	6	53730606	G	A	0.371769	0.018152	0.00912637	0.0467057	0.456564	0.0664707	6.48E-12	0.0397578	0.0208104	0.05607196	0.1642693	4	0.56212074
ENSG00000151917	6	BEND6	56819773	rs6925107	6	56828940	G	A	0.754473	-0.0012267	0.00867883	0.887595	0.544858	0.0523729	2.39E-25	-0.0022515	0.0159301	0.8876058	0.469567	20	0.97641549
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs2146166	6	58290665	G	T	0.715706	0.00126463	0.00870951	0.884552	-0.485321	0.0668696	3.94E-13	-0.0026058	0.0179495	0.8845751	0.9287357	10	0.97641549
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs7767929	6	58211760	G	A	0.71173	0.00144973	0.00871428	0.867871	0.630661	0.0696185	1.32E-19	0.00229875	0.01382	0.8678937	0.6124143	18	0.97500756
ENSG00000239650	6	GUSBP4	58246051	rs2398050	6	58290836	C	T	0.715706	0.00128032	0.00870857	0.883118	0.584679	0.0897511	7.30E-11	0.00218978	0.0148984	0.883147	0.9178151	7	0.97641549
ENSG00000215190	6	LINC00680	58272352	rs6937922	6	58218257	G	A	0.602386	0.00482142	0.00835744	0.564006	-0.928824	0.0918609	4.93E-24	-0.0051909	0.00901251	0.564639	0.7052651	20	0.88384542
ENSG00000230910	6	RP3-525N10.2	69339854	rs6930275	6	69416860	A	G	0.341948	0.0133151	0.0086938	0.12563	0.326451	0.0553784	3.75E-09	0.0407874	0.0275154	0.1382474	0.2241908	6	0.65149087
ENSG00000256980	6	KHDC1L	73933267	rs1815728	6	73875931	G	A	0.663022	0.00473009	0.00815627	0.561959	0.411613	0.069198	2.71E-09	0.0114916	0.0199093	0.5638069	0.3227596	10	0.88384542
ENSG00000112697	6	TMEM30A	75962640	rs240410	6	75940739	C	G	0.949304	0.014749	0.0204614	0.471021	0.471251	0.0683942	5.57E-12	0.0312975	0.0436563	0.4734307	0.4004219	7	0.85223985
ENSG00000118420	6	UBE3D	83602117	rs12196697	6	83686243	T	C	0.132207	0.0166739	0.0115441	0.148636	0.72489	0.0775823	9.32E-21	0.023002	0.0161145	0.1534614	0.6924201	18	0.66578807
ENSG00000220563	6	PKMP3	86369610	rs9450288	6	86221586	T	A	0.574553	0.0298381	0.00807759	0.00022081	0.451069	0.0689911	6.23E-11	0.0661497	0.0205682	0.00129937	0.5762608	14	0.15586498
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.702186	0.0513768	1.59E-42	0.0448002	0.0119139	0.00016968	0.716512	20	0.13512398
ENSG00000111850	6	SMIM8	88032301	rs9344704	6	88040356	A	G	0.115308	0.0112573	0.0120546	0.350377	0.605021	0.082591	2.38E-13	0.0186065	0.0200855	0.3542577	0.3222983	13	0.81012658
ENSG00000083099	6	LYRM2	90277863	rs2768938	6	90436943	G	A	0.2167	-0.0142827	0.00958849	0.136338	0.638706	0.0771903	1.29E-16	-0.0223619	0.0152537	0.1426477	0.9575817	17	0.6592772
ENSG00000123545	6	NDUFAF4	97337189	rs12202527	6	97354319	A	G	0.132207	0.0113579	0.0122035	0.352006	0.366994	0.053446	6.57E-12	0.0309485	0.0335566	0.356385	0.5540939	8	0.81077588
ENSG00000228506	6	RP11-98I9.4	99872798	rs4840044	6	99888013	G	A	0.493042	-0.0012041	0.00807225	0.881422	0.842363	0.0875685	6.62E-22	-0.0014294	0.00958402	0.8814363	0.3413948	16	0.97641549

ENSG00000219755	6	RP1-199J3.5	100023588	rs644980	6	100038025	C	G	0.807157	0.0101154	0.00879892	0.250299	0.880335	0.10846	4.79E-16	0.0114904	0.0100947	0.2550128	0.9300624	20	0.75616222
ENSG00000085382	6	HACE1	105175968	rs2499660	6	105285750	C	T	0.515905	-0.0033317	0.00807326	0.679836	0.220044	0.0382101	8.47E-09	-0.0151412	0.0367834	0.6806096	0.6364007	6	0.92588635
ENSG00000130348	6	QRSL1	107077453	rs11968502	6	107101998	A	G	0.405567	0.00073493	0.00803615	0.927133	-0.721616	0.0783186	3.15E-20	-0.0010185	0.0111369	0.9271361	0.3592989	20	0.98448404
ENSG00000118690	6	ARMC2	109169619	rs2768567	6	109227822	T	C	0.771372	-0.0047014	0.0103752	0.650447	-0.418986	0.0542569	1.14E-14	0.0112209	0.0248052	0.6510082	0.6281825	8	0.91325402
ENSG00000155085	6	AK9	109814059	rs3799849	6	110036763	A	C	0.40159	-0.0156096	0.00816583	0.0559294	-0.74397	0.0805686	2.61E-20	0.0209815	0.0112087	0.06122235	0.7693907	20	0.56212074
ENSG00000255389	6	C6orf3	111921078	rs4947128	6	111918868	C	A	0.082505	-0.0252728	0.0161412	0.117413	-1.30469	0.145151	2.51E-19	0.0193707	0.012558	0.1229509	0.8079963	20	0.6364137
ENSG00000203778	6	FAM229B	112408802	rs4947166	6	112424565	C	T	0.499006	0.00213845	0.0081114	0.792062	0.417201	0.0604818	5.28E-12	0.00512571	0.0194566	0.7922093	0.1000985	3	0.94619098
ENSG00000188820	6	FAM26F	116782533	rs117361304	6	116783619	G	T	0.0914513	0.0182928	0.012437	0.141336	-0.741396	0.123933	2.20E-09	-0.0246735	0.0172747	0.1532057	0.9669948	3	0.66578807
ENSG00000111907	6	TPD52L1	125440195	rs3799727	6	125579026	A	G	0.0974155	0.00222771	0.0143505	0.876636	-0.512671	0.0830883	6.82E-10	-0.0043453	0.0280005	0.8766742	0.5799981	6	0.97641549
ENSG00000237742	6	RP11-624M8.1	125899704	rs4897155	6	126095144	A	C	0.499006	-0.0050178	0.00806622	0.533895	-0.548323	0.0603475	1.03E-19	0.0091511	0.0147451	0.534851	0.3725249	20	0.88027458
ENSG00000223542	6	RP1-283K11.3	133756215	rs9402514	6	133858410	C	T	0.624254	-0.0197321	0.00850056	0.0202717	0.588612	0.0902681	7.00E-11	-0.0335231	0.0153295	0.02875427	0.2780701	7	0.45663232
ENSG00000234567	6	RP1-283K11.2	133773995	rs9402514	6	133858410	C	T	0.624254	-0.0197321	0.00850056	0.0202717	0.595681	0.0973181	9.30E-10	-0.0331253	0.015262	0.02997366	0.1614569	3	0.45663232
ENSG00000227954	6	RP3-323P13.2	133823390	rs7771144	6	133861857	T	A	0.132207	0.0103999	0.0126008	0.409177	-0.749719	0.0878729	1.44E-17	-0.0138717	0.0168858	0.4113606	0.2888431	10	0.82616486
ENSG00000232310	6	RP11-557H15.4	134846452	rs79549379	6	134855708	G	T	0.0755467	-0.0016969	0.0140557	0.903906	0.561733	0.0990217	1.40E-08	-0.0030209	0.0250277	0.9039285	0.08081795	4	0.97933547
ENSG00000118514	6	ALDH8A1	135238528	rs28384512	6	135376232	T	C	0.49006	0.00094989	0.00813813	0.907081	-0.82548	0.0685896	2.32E-33	-0.0011507	0.00985913	0.9070855	0.3469501	20	0.97933547
ENSG00000112339	6	HBS1L	135281516	rs4142299	6	135377186	T	G	0.489066	0.00141275	0.00813824	0.862184	-0.694074	0.0572244	7.42E-34	-0.0020355	0.0117265	0.8621985	0.3164013	20	0.9739736
ENSG00000232876	6	CTA-212D2.2	135376171	rs4475342	6	135283348	C	T	0.492048	0.00113199	0.00814491	0.889465	-0.87398	0.0966232	1.49E-19	-0.0012952	0.00932043	0.8894779	0.3006686	20	0.97736051
ENSG00000135541	6	AHI1	135604670	rs2614276	6	135681704	C	T	0.61332	0.00422592	0.0082991	0.61061	0.492478	0.0572446	7.76E-18	0.00858093	0.0168812	0.6112341	0.8095093	20	0.90402898
ENSG00000112357	6	PEX7	137143717	rs34010687	6	137206325	G	A	0.0984095	-0.0135981	0.0133795	0.30947	-0.61364	0.0928688	3.91E-11	0.0221597	0.0220599	0.3151256	0.07858067	15	0.77503864
ENSG00000016402	6	IL20RA	137321108	rs9376244	6	137368147	A	G	0.0745527	-0.0071563	0.016672	0.667747	-0.655835	0.102791	1.77E-10	0.0109118	0.0254785	0.668451	0.827275	4	0.91826822
ENSG00000225177	6	RP11-390P2.4	139013685	rs1129180	6	139018132	G	A	0.22167	-0.0077603	0.0102507	0.449023	0.511663	0.0546567	7.87E-21	-0.0151668	0.0200995	0.4504978	0.8079917	20	0.84363563
ENSG00000235652	6	RP11-545I5.3	146136048	rs62435775	6	146136415	C	G	0.333002	0.00280221	0.00827967	0.735028	0.46959	0.0629023	8.31E-14	0.00596735	0.0176498	0.7352898	0.9465617	16	0.93797307
ENSG00000228408	6	RP1-111D6.3	149539062	rs9404018	6	149532486	C	T	0.303181	-0.009263	0.00920102	0.31406	0.454041	0.0784811	7.24E-09	-0.0204013	0.0205693	0.3212783	0.5163477	7	0.77986469
ENSG00000231760	6	RP11-350J20.5	150117711	rs2151912	6	150152908	G	A	0.370775	0.0110797	0.00828663	0.181205	0.733866	0.100022	2.18E-13	0.0150977	0.0114777	0.1883775	0.2430208	20	0.69129172
ENSG00000268592	6	RP11-244K5.8	150183733	rs7763719	6	150186535	G	T	0.435388	0.00563924	0.00816071	0.489551	0.514966	0.0942872	4.72E-08	0.0109507	0.0159734	0.492992	0.2325235	12	0.86503051
ENSG00000203722	6	RAET1G	150238014	rs4870116	6	150244689	A	C	0.585487	-0.0124566	0.00825286	0.131205	-0.540012	0.0852648	2.40E-10	0.0230673	0.0157107	0.142037	0.3614987	17	0.65915078
ENSG00000120262	6	CCDC170	151815165	rs9383896	6	151768495	G	A	0.11332	0.00176635	0.0131718	0.893322	0.741536	0.134468	3.50E-08	0.00238202	0.0177681	0.8933541	0.8547867	8	0.97905377
ENSG00000112031	6	MTRF1L	153308497	rs506219	6	153333883	T	C	0.695825	0.0297863	0.00897813	0.0009078	-0.600369	0.0657563	6.84E-20	-0.0496133	0.015911	0.00181976	0.01191751	11	0.17151247
ENSG00000235381	6	RP11-477D19.2	155574273	rs3011897	6	155573834	C	T	0.481113	-0.013968	0.00808792	0.0841647	0.470579	0.0847122	2.78E-08	-0.0296826	0.0179986	0.0991151	0.4297813	6	0.61356312
ENSG00000215712	6	TMEM242	157710418	rs9379315	6	157696815	G	C	0.247515	0.00247023	0.00953909	0.795667	-0.465097	0.0639944	3.65E-13	-0.0053112	0.0205229	0.7957939	0.3171619	6	0.94619098
ENSG00000175048	6	ZDHHC14	157802165	rs680132	6	158107513	G	A	0.672962	-0.0067132	0.00855658	0.432707	-0.470518	0.0843286	2.41E-08	0.0142677	0.0183644	0.4372031	0.928147	3	0.84015584
ENSG00000146433	6	TMEM181	158957468	rs10455824	6	158986960	C	G	0.686879	0.0181288	0.00822084	0.0274378	-0.249974	0.0417747	2.18E-09	-0.0725227	0.0350489	0.03852869	0.4625897	20	0.47612838
ENSG00000146453	6	PNLDC1	160221298	rs35872675	6	160229889	C	T	0.511928	0.0003899	0.00815479	0.961866	-0.32747	0.0526489	4.98E-10	-0.0011907	0.0249031	0.9618668	0.7737292	6	0.98687457
ENSG00000146477	6	SLC22A3	160769300	rs2292334	6	160858188	A	G	0.352883	-0.003352	0.00868558	0.699547	0.411771	0.0624984	4.44E-11	-0.0081405	0.0211294	0.7000365	0.1913461	16	0.93377999
ENSG00000203688	6	RP11-351J23.1	168080306	rs676364	6	168180946	C	A	0.380716	-0.0043471	0.0084692	0.607751	0.691777	0.0949815	3.26E-13	-0.006284	0.012273	0.6086407	0.905365	9	0.90402898
ENSG00000235994	6	RP3-470B24.5	168376604	rs2636362	6	168395245	G	T	0.38668	0.00219243	0.00886171	0.804595	-0.803256	0.107521	7.98E-14	-0.0027294	0.0110383	0.8046998	0.218541	20	0.94938927
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.739372	0.102778	6.30E-13	-0.0098109	0.0113617	0.3878566	0.1148959	20	0.8131246
ENSG00000125337	6	KIF25	168396921	rs3778670	6	168400266	T	C	0.149105	0.0202577	0.0103974	0.0513748	1.0061	0.166733	1.60E-09	0.0201349	0.0108597	0.06372621	0.3558395	13	0.5655354
ENSG00000237987	6	RP11-503C24.2	168625959	rs9295055	6	168628680	A	G	0.184891	0.00640927	0.0126814	0.613273	0.771961	0.117116	4.36E-11	0.00830258	0.0164757	0.614312	0.3325063	19	0.90402898
ENSG00000226445	6	XXyac-YX65C7_A.	169613349	rs12665054	6	169599944	A	G	0.183897	-0.0070838	0.011338	0.532116	-0.628102	0.10633	3.48E-09	0.011278	0.0181519	0.5343925	0.4575624	3	0.88027458
ENSG00000186340	6	THBS2	169615875	rs62435217	6	169642243	A	G	0.154076	0.00211602	0.0104848	0.840059	0.431584	0.0672114	1.35E-10	0.00490292	0.0243058	0.840137	0.5206383	12	0.96582682
ENSG00000236173	6	RP1-182D15.2	170209414	rs12193054	6	170210741	T	C	0.05666	-0.0187726	0.0198814	0.345052	-1.3175	0.189055	3.19E-12	0.0142487	0.0152281	0.3494382	0.63127	7	0.80500918
ENSG00000273100	6	RP11-302L19.3	170493905	rs3104177	6	170483089	C	T	0.412525	0.00993898	0.00808982	0.21923	0.479536	0.0636563	4.95E-14	0.0207262	0.017093	0.2252986	0.7010735	20	0.72892317
ENSG00000112584	6	FAM120B	170599791	rs9366197	6	170585917	T	C	0.369781	-0.0047679	0.00820821	0.561326	-0.416713	0.0762093	4.55E-08	0.0114418	0.0198083	0.5635186	0.9516005	5	0.88384542
ENSG00000223855	7	AC147651.3	560028	rs9770574	7	564581	A	G	0.17495	0.0080158	0.01051	0.44565	1.34191	0.110021	3.23E-34	0.00597343	0.00784742	0.4465398	0.3088986	15	0.84232919
ENSG00000146540	7	C7orf50	1036622	rs80133931	7	1027286	T	C	0.0705765	-0.018337	0.01652	0.267004	0.608742	0.0839595	4.15E-13	-0.0301228	0.0274541	0.272552	0.7873876	15	0.76018963
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.2913	0.0853076	9.23E-52	-0.0055627	0.00651341	0.3930836	0.686116	20	0.81370679
ENSG00000164880	7	INTS1	1509913	rs10224038	7	1522175	G	A	0.727634	0.0113487	0.00887912	0.201204	-0.570726	0.0624021	5.91E-20	-0.0198847	0.0157088	0.205573	0.8060211	20	0.71288718
ENSG00000230487	7	PSMG3-AS1	1609709	rs7458089	7	1628951	G	A	0.111332	-0.0016662	0.0107915	0.877297	-0.619679	0.10931	1.44E-08	0.00268878	0.0174211	0.8773415	0.5081923	5	0.97641549
ENSG00000122687	7	FTSJ2	2273866	rs3757437	7	2271980	T	C	0.336978	-0.0027093	0.00879214	0.757965	0.459622	0.0643831	9.41E-13	-0.0058947	0.0191469	0.7581827	0.5252956	15	0.9444508
ENSG00000174945	7	AMZ1	2719156	rs10257934	7	2749790	T	G	0.724652	0.0212553	0.00871682	0.0147513	0.692556	0.0899568	1.37E-14	0.0306911	0.0132027	0.02009281	0.02645105	20	0.40512316
ENSG00000157927	7	RADIL	4836686	rs117764968	7	4856101	T	C	0.0218688	-0.0149509	0.0407632	0.713788	1.07591	0.171619	3.63E-10	-0.0138961	0.037952	0.7142544	0.8161763	5	0.93557648
ENSG00000196204	7	RNF216P1	5013619	rs9639891	7	5036611	G	C	0.114314	-0.0247084	0.0151699	0.103359	-0.892485	0.120329	1.20E-13	0.0276849	0.0174024	0.1116387	0.4621208	16	0.61771552
ENSG00000146587	7	RBAK	5085452	rs150725756	7	5008656	A	G	0.0586481	-0.0498423	0.0202713	0.0139415	0.862338	0.151609	1.29E-08	-0.057799	0.0256097	0.02401314	0.7105918	6	0.44349033
ENSG00000159904	7	ZNF890P	5160870	rs117344497	7	5876022	T	G	0.0864811	-0.008409	0.0155416	0.588463	0.876505	0.118911	1.69E-13	-0.0095938	0.017779	0.5894632	0.6479257	20	0.89299276
ENSG00000155034	7	FBXL18	5470966	rs2966440	7	5546096	G	A	0.0685885	0.0126306	0.0157841	0.423586	0.49691	0.0821929	1.49E-09	0.0254183	0.0320415	0.427608	0.9344562	7	0.83651409
ENSG00000122674	7	CCZ1	5938356	rs7807287	7	6877519	G	A	0.44831	-0.0069425	0.00826067	0.40067	0.751177	0.111242	1.45E-11	-0.0092421	0.0110818	0.4042859	0.6915304	5	0.82137048
ENSG00000236609	7	ZNF853	6655248	rs34639723	7	6593836	C	T	0.475149	0.0079053	0.00819341	0.334626	0.175954	0.0267854	5.06E-11	0.0449282	0.0470652	0.3397827	0.3842354	16	0.80246118
ENSG00000187953	7	PMS2CL	6749759	rs523276	7	6088349	G	A	0.83002	0.00063493	0.00998203	0.949283	0.872104	0.12494	2.95E-12	0.00072805	0.0114464	0.9492849	0.04048202	11	0.98687457
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.837254	0.111651	6.44E-14	0.00665926	0.00987241	0.4999732	0.6392544	7	0.86877057
ENSG00000106392	7	C1GALT1	7196565	rs7780273	7	7250449	C	A	0.363817	-0.0048051	0.00810011	0.553038	0.598867	0.0639009	7.13E-21	-0.0080236	0.0135528	0.5538318	0.2999757	20	0.88290059
ENSG00000230825	7	AC005532.5	7294785	rs7808731	7	7318669	C	T	0.434394	-0.0066076	0.00806251	0.412472	-0.65787	0.0962787	8.32E-12	0.010044	0.0123433	0.4158059	0.6927491	17	0.82837215
ENSG00000215018	7	COL28A1	7395834	rs7803888	7	7628416	A	G	0.692843	0.014332	0.00866187	0.0980054	0.560131	0.0680477	1.85E-16	0.0255869	0.0157733	0.104769	0.2873288	20	0.61771552
ENSG00000272894	7	RP5-1159O4.1	7592093	rs6957976	7	7592576	T	C	0.957256	-0.0301967	0.0315103	0.337906	0.701039	0.117985	2.82E-09	-0.0430742	0.0455289	0.3441047	0.7638159	3	0.80339547
ENSG00000164654	7	MIOS	7606503	rs12673371	7	7518443	T	C	0.137177	0.00298105	0.0118904	0.802038	-0.91288	0.135136	1.43E-11	-0.0032655	0.0130341	0.8021712	0.4930133	20	0.94929587
ENSG00000244239	7	AC007009.1	8301863	rs10260646	7	8305435	T	C	0.539761	0.0003991	0.0080599	0.960507	0.475814	0.0689938	5.33E-12	0.00083878	0.0169396	0.9605084	0.7278587	9	0.98687457
ENSG00000146530	7	VWDE	12370511	rs7789937	7	12417213	G	A	0.239563	0.00513591	0.00885443	0.561888	-0.537802	0.071111	3.94E-14	-0.0095498	0.0165125	0.5630346	0.9546033	20	0.88384542
ENSG00000237773	7	AC003075.4	17319458	rs138250592	7	17301557	T	G	0.0149105	-0.0727337	0.0391145	0.062955	1.6867	0.273041	6.51E-10	-0.0431219	0.0242178	0.07497993	0.02863448	6	0.58576292
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-1.07954	0.120903	4.30E-19	0.0304067	0.0178002	0.08759472	0.00541772	7	0.60671733
ENSG00000105877	7	DNAH11	21582833	rs10258022	7	21583667	G	A	0.49006	0.00417848	0.008129	0.607237	-0.614987	0.0850578	4.82E-13	-0.0067944	0.0132515	0.6081421	0.2174694	16	0.90402898
ENSG00000196683	7	TOMM7	22852251	rs2240726	7	22853135	T	C	0.331014	-0.0024555	0.00824393	0.765813	-0.317716	0.0469556	1.32E-11	0.00772857	0.0259726	0.7660343	0.9760346	9	0.94613307
ENSG00000230658	7	KLHL7-AS1	23140847	rs6978827	7	23125544	T	A	0.346918	-0.0024125	0.00867972	0.781057	1.13877	0.0890214	1.82E-37	-0.0021185	0.00762381	0.781108	0.2359524	20	0.94619098
ENSG00000136243	7	NUPL2	23221446	rs858289	7	23248158	T	C	0.370775	0.00096703	0.00829733	0.907219	-0.557253	0.0817694	9.43E-12	-0.0017354	0.0148919	0.9072322	0.4041646	20	0.97933547
ENSG00000226816	7	AC005082.12	23245632	rs274058	7	23391509	G	C	0.388668	0.00392765	0.00824809	0.63394	0.368313	0.065131	1.56E-08	0.0106639	0.0224735	0.6351365	0.2216871	20	0.91044282
ENSG00000136235	7	GPNMB	23275586	rs199357	7	23288309	A	G	0.375746	0.00319838	0.00829287	0.699734	-0.820357	0.0795228	5.97E-25	-0.0038988	0.0101159	0.6999344	0.4446043	20	0.93377999
ENSG00000188732	7	FAM221A	23719749	rs56391241	7	23719766	A	G	0.470179	0.0114117	0.00809232	0.158483	0.79441	0.0643754	5.50E-35	0.014365	0.0102529	0.161193	0.1162078	20	0.66726768
ENSG00000196335	7	STK31	23749786	rs2191303	7	23717467	G	A	0.633201	0.00526348	0.00874316	0.547167	0.397385	0.0548721	4.42E-13	0.0132453	0.0220776	0.548545	0.2099216	20	0.88215128
ENSG00000105926	7	MPP6	24612887	rs6952491	7	24590979	A	C	0.281312	0.00894126	0.00889297	0.31469	-0.239609	0.0411372	5.72E-09	-0.037316	0.0376634	0.3217942	0.5222838	7	0.77986469
ENSG00000105928	7	DFNA5	24737972	rs2721811	7	24749429	G	A	0.421471	0.0296628	0.00805688	0.00023171	0.813872	0.0782641	2.50E-25	0.0364465	0.0105016	0.00051933	0.3992828	20	0.14569265
ENSG00000225792	7	AC004540.4	26411764	rs6461933	7	26416413	G	A	0.681909	0.00991528	0.00879513	0.259591	-0.376865	0.0651121	7.13E-09	-0.0263099	0.0237762	0.268482	0.6128988	6	0.75616222
ENSG00000234336	7	JAZF1-AS1	28219941	rs10281102	7	28243473	G	A	0.0904573	-0.0233952	0.0152263	0.124415	-0.604506	0.0750092	7.69E-16	0.0387014	0.0256417	0.1312188	0.2680309	14	0.64953202
ENSG00000228421	7	AC005013.5	28997283	rs1006521	7	28996220	A	G	0.617296	0.00506794	0.00809193	0.531122	0.572365	0.098451	6.11E-09	0.00885439	0.0142195	0.5334864	0.224501	4	0.88027458
ENSG00000272568	7	CTB-113D17.1	29019583	rs77215789	7	29036257	T	C	0.084493	0.00419443	0.017027	0.805419	1.01229	0.110408	4.79E-20	0.00414351	0.0168263	0.8054879	0.9472985	9	0.94938927
ENSG00000006625	7	GGCT	30536237	rs38482	7	30602561	A	T	0.718688	-0.0043542	0.00880417	0.620909	-0.438661	0.0782897	2.11E-08	0.00992614	0.0201486	0.6222621	0.3301097	6	0.90610189
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-1.14503	0.0747752	6.27E-53	-0.0002977	0.00779159	0.9695212	0.2564434	20	0.98748223
ENSG00000244480	7	AC005154.7	30562759	rs973002	7	30698904	A	G	0.83002	0.0134511	0.00984834	0.171996	-0.663954	0.0904228	2.09E-13	-0.0202591	0.0150873	0.1793394	0.1279025	14	0.68053895
ENSG00000226468	7	AC018641.7	32496575	rs787213	7	32577750	G	C	0.333002	-0.0188045	0.00916009	0.0400848	0.69066	0.0799572	5.73E-18	-0.0272269	0.0136322	0.04579875	0.6659095	20	0.51644866
ENSG00000164610	7	RP9	33134409	rs17468799	7	32953216	A	G	0.185885	-0.0049319	0.00978448	0.614226	0.61482	0.0927809	3.44E-11	-0.0080217	0.0159604	0.6152467	0.3986259	19	0.90402898
ENSG00000122507	7	BBS9	33168856	rs10241784	7	33184126	C	T	0.398608	-0.0053861	0.00806977	0.504487	-0.482694	0.0717072	1.68E-11	0.0111585	0.0168002	0.506569	0.0789207	10	0.87067964
ENSG00000271122	7	RP11-379H18.1	35734824	rs702842	7	35737085	C	G	0.544732	-0.0016145	0.00806061	0.841246	0.439544	0.071717	8.85E-10	-0.0036732	0.0183484	0.8413296	0.6325559	3	0.96582682
ENSG00000086289	7	EPDR1	37723446	rs17237723	7	37963016	G	A	0.340954	0.00483468	0.00854988	0.571755	0.50092	0.0651035	1.42E-14	0.0096516	0.0171144	0.5727904	0.3375496	5	0.88600607
ENSG00000227191	7	TRGC2	38279181	rs2075012	7	38309651	T	A	0.45825	0.00269103	0.00806989	0.738783	-0.79232	0.0697626	6.82E-30	-0.0033964	0.0101895	0.7388913	0.4053615	20	0.93797307
ENSG00000211688	7	TRGJP2	38295938	rs2075012	7	38309651	T	A	0.45825	0.00269103	0.00806989	0.738783	-0.720301	0.0751291	9.02E-22	-0.003736	0.0112103	0.738935	0.4367571	20	0.93797307
ENSG00000211689	7	TRGC1	38297480	rs2075012	7	38309651	T	A	0.45825	0.00269103	0.00806989	0.738783	-0.588118	0.0784345	6.47E-14	-0.0045757	0.0137351	0.7390315	0.2994214	12	0.93797307
ENSG00000006715	7	VPS41	38762563	rs6957565	7	38834068	T	C	0.517893	0.0175833	0.00806595	0.0292624	-0.321034	0.0545737	4.04E-09	-0.0547708	0.0267946	0.0409436	0.1800405	6	0.48452987
ENSG00000261019	7	RP11-111K18.2	42940871	rs662347	7	42979442	G	A	0.871769	-0.0080462	0.0162172	0.619789	0.8015	0.136823	4.69E-09	-0.0100389	0.020306	0.6210381	0.4803847	8	0.90610189
ENSG00000136197	7	C7orf25	42948325	rs672768	7	42936781	C	A	0.870775	-0.0086196	0.0154953	0.578026	-0.571368	0.0821779	3.58E-12	0.0150859	0.0272063	0.5792371	0.5027198	20	0.88600607
ENSG00000241057	7	AC004985.12	44001189	rs76690718	7	43999695	T	C	0.107356	0.0372914	0.0149081	0.0123697	0.751245	0.135891	3.23E-08	0.0496395	0.0217814	0.02266821	0.06983026	8	0.4338161
ENSG00000106624	7	AEBP1	44143960	rs2537193	7	44140670	C	G	0.328032	0.00265496	0.00868492	0.759834	0.450611	0.0587569	1.73E-14	0.00589191	0.019289	0.7600195	0.00252335	10	0.94511498
ENSG00000106628	7	POLD2	44154286	rs137888771	7	44182127	A	T	0.0119284	0.0571982	0.0519478	0.270866	-1.69977	0.244837	3.85E-12	-0.0336506	0.0309436	0.2768254	0.9599599	4	0.76018963
ENSG00000015676	7	NUDCD3	44418720	rs56314549	7	44550545	G	C	0.16501	-0.0008235	0.0103007	0.936281	0.25479	0.0422925	1.70E-09	-0.0032321	0.0404318	0.936286	0.03885652	9	0.9855112
ENSG00000122515	7	ZMIZ2	44788180	rs1050331	7	44808091	G	T	0.469185	-0.0075134	0.00810696	0.354036	0.223961	0.0321382	3.20E-12	-0.033548	0.0365168	0.3582526	0.3745955	10	0.81217999
ENSG00000232956	7	SNHG15	45022622	rs4551245	7	45045830	G	C	0.15507	-0.0013562	0.0112245	0.903831	0.496984	0.0821021	1.42E-09	-0.0027288	0.0225897	0.9038501	0.6117431	8	0.97933547
ENSG00000272556	7	RP11-638I8.1	45854201	rs55931129	7	45867107	T	A	0.154076	0.0125558	0.0124331	0.312557	-0.6728	0.0884249	2.77E-14	-0.018662	0.0186417	0.3167834	0.02282241	20	0.77664594
ENSG00000132436	7	FIGNL1	50511831	rs12670555	7	50465654	G	A	0.466203	0.0142227	0.00820372	0.0829736	0.494003	0.0668318	1.45E-13	0.0287907	0.0170573	0.0914334	0.2054383	20	0.60921089
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.13411	0.0808239	9.95E-45	0.0115303	0.00820484	0.1599317	0.5890537	20	0.66726768
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.691298	0.0862592	1.11E-15	0.018916	0.0135992	0.1642357	0.6511285	10	0.6673288
ENSG00000129103	7	SUMF2	56131695	rs6971804	7	56173816	G	A	0.21173	0.00173969	0.00897283	0.846267	0.392231	0.0670797	5.00E-09	0.00443537	0.022889	0.8463499	0.851334	11	0.96746596
ENSG00000106153	7	CHCHD2	56169262	rs4948107	7	56173407	T	C	0.154076	-0.0024901	0.0105242	0.812963	0.36192	0.0526162	6.05E-12	-0.0068802	0.029096	0.8130716	0.9302489	20	0.95449108
ENSG00000185290	7	NUPR1L	56182374	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.01764	0.0946543	5.85E-27	0.0128499	0.0091761	0.1614026	0.7913741	20	0.66726768
ENSG00000173041	7	ZNF680	63980262	rs6460161	7	64017448	G	A	0.27336	0.00253544	0.00868298	0.770286	-0.354708	0.0528342	1.90E-11	-0.007148	0.0245024	0.7704966	0.2977749	20	0.94619098
ENSG00000197008	7	ZNF138	64254766	rs12532791	7	64335453	C	A	0.487078	-0.0141074	0.0080886	0.0811409	0.506874	0.0742687	8.80E-12	-0.0278322	0.0164706	0.09106552	0.6244091	20	0.60921089
ENSG00000213640	7	RP11-797H7.3	64323377	rs12532791	7	64335453	C	A	0.487078	-0.0141074	0.0080886	0.0811409	-0.529406	0.06391	1.19E-16	0.0266476	0.0156136	0.08787976	0.8177462	20	0.60671733
ENSG00000198039	7	ZNF273	64330550	rs6960979	7	64323479	G	A	0.49503	-0.0132628	0.00808295	0.100833	-0.247628	0.0425573	5.93E-09	0.0535594	0.0339145	0.1142796	0.9085635	8	0.62310716
ENSG00000152926	7	ZNF117	64432154	rs2915386	7	64967204	A	G	0.544732	0.00355801	0.00814857	0.662371	-0.408138	0.0681461	2.11E-09	-0.0087177	0.0200182	0.6632094	0.9627444	12	0.91799792
ENSG00000213462	7	ERV3-1	64451187	rs12530733	7	64547832	T	C	0.397614	-0.0037329	0.00831429	0.653448	0.773806	0.0726252	1.66E-26	-0.0048241	0.0107542	0.653735	0.6830741	20	0.91325402
ENSG00000234585	7	CCT6P3	64498732	rs2419256	7	64471881	G	T	0.56163	0.00416136	0.00817437	0.6107	-0.938745	0.0731683	1.11E-37	-0.0044329	0.00871462	0.6109809	0.9231771	20	0.90402898
ENSG00000226002	7	RP11-460N20.5	64544481	rs12530733	7	64547832	T	C	0.397614	-0.0037329	0.00831429	0.653448	0.890211	0.0897401	3.41E-23	-0.0041933	0.00934925	0.6537791	0.818644	20	0.91325402
ENSG00000164669	7	INTS4L1	64601603	rs7796077	7	64694241	A	T	0.423459	-0.0060785	0.00821123	0.459142	-0.885824	0.0810153	7.93E-28	0.00686192	0.00929081	0.4601682	0.9581072	20	0.84838874
ENSG00000237310	7	GS1-124K5.4	65958693	rs12671152	7	65776127	T	G	0.245527	-0.0107764	0.00960173	0.261716	0.816647	0.0840393	2.54E-22	-0.0131959	0.0118357	0.2648814	0.4584091	13	0.75616222
ENSG00000243335	7	KCTD7	66093868	rs2013222	7	66035936	G	C	0.461233	0.0143167	0.00825178	0.0827447	0.398455	0.067723	4.01E-09	0.0359305	0.0215911	0.09608503	0.8991738	13	0.61356312
ENSG00000226824	7	RP4-756H11.3	66119525	rs2659888	7	66230171	G	T	0.54175	-0.0146799	0.00826638	0.0757565	-1.16022	0.0860611	2.01E-41	0.0126527	0.00718639	0.07829829	0.674259	20	0.5950804
ENSG00000273142	7	RP11-458F8.4	66367844	rs13241598	7	66300652	G	A	0.281312	-0.0061256	0.00836751	0.464129	-0.576727	0.076258	3.94E-14	0.0106212	0.0145764	0.4662109	0.03674228	20	0.85004484
ENSG00000198874	7	TYW1	66460160	rs12154876	7	66563135	G	A	0.218688	-0.0178386	0.0109505	0.103308	1.10487	0.106078	2.10E-25	-0.0161454	0.0100316	0.1075167	0.8067775	10	0.61771552
ENSG00000106610	7	STAG3L4	66767608	rs9443	7	66785137	A	C	0.392644	0.00340825	0.0089224	0.70247	-0.93125	0.0755395	6.40E-35	-0.0036599	0.0095857	0.7026062	0.201949	20	0.93377999
ENSG00000196313	7	POM121	72349936	rs11760353	7	72408286	T	G	0.535785	0.00775158	0.00811318	0.339359	-0.300396	0.0460717	7.02E-11	-0.0258045	0.0272967	0.3444878	0.8876304	5	0.80339547
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.649257	0.10162	1.67E-10	-0.0138409	0.0136963	0.3122256	0.4461116	14	0.77400383
ENSG00000189143	7	CLDN4	73213872	rs1073909	7	73258289	C	G	0.727634	0.00539556	0.00869525	0.534917	-0.714637	0.10932	6.27E-11	-0.0075501	0.0122221	0.5367458	0.2710378	13	0.88027458
ENSG00000165171	7	WBSCR27	73248920	rs1073909	7	73258289	C	G	0.727634	0.00539556	0.00869525	0.534917	-1.11006	0.0932162	1.07E-32	-0.0048606	0.00784376	0.5354702	0.2783203	20	0.88027458
ENSG00000196275	7	GTF2IRD2	74210483	rs810366	7	74140925	G	C	0.806163	-0.0368269	0.0104766	0.0004395	-0.789095	0.0800333	6.23E-23	0.0466698	0.0140953	0.00092956	0.1580975	20	0.15048433
ENSG00000123965	7	PMS2P5	74306894	rs1635749	7	74360737	C	T	0.809145	-0.0231069	0.0104641	0.0272301	-1.21135	0.108835	8.95E-29	0.0190753	0.00880675	0.03031197	0.05395732	20	0.45663232
ENSG00000184616	7	AC004166.6	74320406	rs1635749	7	74360737	C	T	0.809145	-0.0231069	0.0104641	0.0272301	-0.619038	0.101879	1.23E-09	0.0373271	0.0179855	0.03794919	0.07813086	4	0.47463466
ENSG00000205583	7	STAG3L1	74988448	rs6945340	7	75100124	T	C	0.792247	0.00720498	0.0110766	0.515388	-0.677252	0.123909	4.61E-08	-0.0106386	0.0164706	0.5183372	0.8241971	5	0.87335446
ENSG00000223705	7	NSUN5P1	75039605	rs1167821	7	75150312	A	T	0.579523	-0.0065471	0.00823037	0.426332	-0.26875	0.0490854	4.37E-08	0.0243614	0.0309462	0.4311537	0.1738575	6	0.83899778
ENSG00000127957	7	PMS2P3	75132254	rs58862095	7	75081418	T	C	0.444334	-0.0143315	0.00805256	0.075119	0.633325	0.0894938	1.48E-12	-0.022629	0.0131107	0.08434773	0.3194026	9	0.60160449
ENSG00000127952	7	STYXL1	75625656	rs112985171	7	75808612	T	C	0.109344	0.0183276	0.0167664	0.274342	0.829924	0.141547	4.54E-09	0.0220835	0.0205504	0.2825544	0.4141075	3	0.76635258
ENSG00000188372	7	ZP3	76026835	rs34573489	7	76060232	A	G	0.0626243	-0.0048161	0.0164539	0.769751	1.51966	0.140835	3.82E-27	-0.0031692	0.0108313	0.7698331	0.09215388	20	0.94619098
ENSG00000243566	7	UPK3B	76139745	rs4728786	7	76135948	G	A	0.405567	0.0006739	0.00806649	0.93342	-0.559439	0.0847478	4.08E-11	-0.0012046	0.01442	0.933425	0.6842209	20	0.9855112
ENSG00000230305	7	AC004980.9	76153832	rs1636632	7	76144483	G	A	0.403579	0.00087881	0.00806798	0.913262	0.648561	0.101595	1.73E-10	0.00135501	0.0124416	0.9132743	0.7902664	15	0.97933547
ENSG00000205485	7	AC004980.7	76178677	rs2006268	7	76255998	C	T	0.301193	-0.0103903	0.0095403	0.276112	0.806994	0.120956	2.53E-11	-0.0128753	0.0119785	0.2824334	0.6241421	20	0.76635258
ENSG00000146707	7	POMZP3	76239303	rs41278779	7	76255061	C	T	0.209742	0.0119927	0.0109203	0.272118	-1.14687	0.108844	5.84E-26	-0.0104569	0.00957341	0.2747075	0.3125456	20	0.76018963
ENSG00000186704	7	DTX2P1	76607934	rs4728788	7	76136719	G	A	0.406561	0.00069689	0.00806617	0.931151	0.477842	0.085113	1.97E-08	0.00145841	0.0168824	0.9311592	0.818102	7	0.9855112
ENSG00000186088	7	GSAP	76940068	rs9641220	7	77046463	T	C	0.651093	-0.0040365	0.00839458	0.630629	0.505722	0.0670293	4.53E-14	-0.0079816	0.0166329	0.6313215	0.2254672	8	0.90905977
ENSG00000214293	7	RSBN1L-AS1	77286977	rs28850976	7	77251080	G	A	0.147117	0.00050028	0.0129419	0.969165	-0.766788	0.0993996	1.22E-14	-0.0006524	0.0168783	0.969165	0.485994	20	0.98748223
ENSG00000187391	7	MAGI2	77646393	rs3735442	7	78119109	T	C	0.295229	0.00149561	0.00891861	0.866823	-0.317825	0.0465383	8.53E-12	-0.0047058	0.0280698	0.8668627	0.4935059	6	0.97500756
ENSG00000075223	7	SEMA3C	80371854	rs73139750	7	80468187	T	C	0.575547	0.00255993	0.00841955	0.761093	0.375152	0.063864	4.25E-09	0.00682371	0.0224731	0.7614026	0.8867251	3	0.94511498
ENSG00000157214	7	STEAP2	89796904	rs194503	7	89841084	A	G	0.781312	-0.0291259	0.0106451	0.00621727	0.339151	0.0501467	1.35E-11	-0.0858789	0.0338587	0.01120028	0.04860457	20	0.36102099
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.4858	0.209571	1.34E-12	0.0128386	0.0126053	0.3084368	0.2474945	4	0.7730656
ENSG00000231170	7	AC002451.3	95225994	rs3807892	7	95226733	G	A	0.370775	0.0104437	0.00874058	0.232146	0.738156	0.109554	1.61E-11	0.0141484	0.0120258	0.2393966	0.5783545	10	0.74942779
ENSG00000180535	7	BHLHA15	97840739	rs12670686	7	97708397	G	A	0.499006	-0.0072868	0.00810815	0.368809	-0.54556	0.0941451	6.84E-09	0.0133566	0.0150397	0.3744928	0.1922045	13	0.8131246
ENSG00000272950	7	RP11-307C18.1	97952165	rs4729431	7	97937981	A	T	0.429423	0.0137122	0.00806197	0.0889713	-0.6401	0.0846731	4.04E-14	-0.021422	0.0129097	0.09704143	0.0388555	20	0.61356312
ENSG00000146833	7	TRIM4	99474581	rs2527906	7	99521698	T	C	0.532803	-0.0001255	0.00821296	0.987807	0.523121	0.0542411	5.19E-22	-0.0002399	0.0156999	0.9878071	0.06393632	20	0.99484259

ENSG00000066923	7	STAG3	99775186	rs858513	7	99825558	A	G	0.732604	-0.0279954	0.00907078	0.00202642	-0.467849	0.0580572	7.73E-16	0.0598385	0.0207616	0.00394943	0.6497569	20	0.23678826
ENSG00000213413	7	PVRIG	99815864	rs1623264	7	99811204	C	G	0.73161	-0.0279444	0.00907088	0.00206533	-0.63298	0.0783534	6.56E-16	0.0441474	0.0153371	0.003996	0.8284632	20	0.23678826
ENSG00000242294	7	STAG3L5P	99933702	rs11761253	7	99939321	T	C	0.175944	-0.0149863	0.00986104	0.128575	0.664927	0.0619819	7.54E-27	-0.0225383	0.0149783	0.132395	0.2726616	20	0.64953202
ENSG00000121716	7	PILRB	99933737	rs10085549	7	99983135	T	C	0.177932	-0.0150274	0.00985786	0.127406	0.890825	0.0607383	1.06E-48	-0.0168691	0.0111256	0.1294587	0.762703	20	0.64953202
ENSG00000085514	7	PILRA	99965153	rs73401451	7	99981895	C	T	0.175944	-0.0149683	0.00985744	0.128895	0.980363	0.0783046	5.81E-36	-0.0152681	0.0101286	0.1317003	0.7615975	20	0.64953202
ENSG00000078487	7	ZCWPW1	99998449	rs6965458	7	99973402	A	G	0.175944	-0.0149706	0.00985897	0.128895	0.5693	0.0648527	1.66E-18	-0.0262965	0.0175749	0.1345873	0.8538504	20	0.64953202
ENSG00000146834	7	MEPCE	100026413	rs11764818	7	100043055	A	G	0.193837	-0.019235	0.00961233	0.0453848	-0.460868	0.0747675	7.09E-10	0.0417365	0.0219285	0.05700226	0.8358005	4	0.56212074
ENSG00000205307	7	SAP25	100169855	rs183920464	7	100177174	C	T	0.0715706	0.0201666	0.0162403	0.214323	0.544833	0.0817788	2.70E-11	0.0370143	0.0303212	0.2221847	0.653436	5	0.72892317
ENSG00000146830	7	GIGYF1	100277130	rs221770	7	100302094	T	A	0.88668	-0.0150257	0.0111672	0.178459	-0.431496	0.0626467	5.67E-12	0.0348223	0.0263694	0.1866483	0.4395516	13	0.68770868
ENSG00000106404	7	CLDN15	100875373	rs73713820	7	100898967	T	C	0.0596421	-0.007745	0.0170817	0.650252	0.677825	0.112237	1.55E-09	-0.0114263	0.0252717	0.6511692	0.06082283	6	0.91325402
ENSG00000160963	7	COL26A1	101006101	rs12673177	7	100998895	G	T	0.532803	-0.0186795	0.00807097	0.0206457	0.514048	0.0573995	3.38E-19	-0.036338	0.0162166	0.02503981	0.1991788	20	0.44349033
ENSG00000128563	7	PRKRIP1	102004319	rs62482951	7	102073463	G	C	0.292247	0.0107651	0.00842393	0.201276	0.339695	0.0577712	4.10E-09	0.0316905	0.0253774	0.2117502	0.04234424	5	0.71706814
ENSG00000267368	7	UPK3BL	102277472	rs4729851	7	102351847	T	A	0.714712	0.00767202	0.00884246	0.385595	-0.649488	0.10002	8.38E-11	-0.0118124	0.0137355	0.3897937	0.1423078	10	0.8131246
ENSG00000228049	7	POLR2J2	102277474	rs4729850	7	102343967	G	A	0.898608	0.00072965	0.01403	0.958524	-1.15313	0.154374	8.04E-14	-0.0006328	0.0121672	0.9585245	0.6530772	10	0.98687457
ENSG00000170632	7	ARMC10	102715328	rs55817310	7	102672831	C	T	0.12326	0.00160803	0.0144347	0.911299	-0.451407	0.0792107	1.21E-08	-0.0035623	0.0319832	0.9113158	0.00448941	4	0.97933547
ENSG00000075790	7	BCAP29	107220422	rs4730250	7	107207695	G	A	0.158052	-0.0206983	0.0110415	0.0608499	0.502389	0.0709513	1.43E-12	-0.0411997	0.0227352	0.06996149	0.308794	9	0.58210547
ENSG00000091140	7	DLD	107531415	rs4518	7	107560191	T	C	0.593439	-0.0027852	0.00823039	0.73506	0.31554	0.0512013	7.15E-10	-0.0088267	0.0261228	0.7354448	0.909846	12	0.93797307
ENSG00000177683	7	THAP5	108194987	rs40941	7	108202925	T	C	0.318091	-0.0162377	0.00873597	0.0630667	0.50601	0.0521829	3.11E-22	-0.0320897	0.0175787	0.06792805	0.2278914	20	0.58020773
ENSG00000181016	7	LSMEM1	112120908	rs3095024	7	112115083	A	G	0.331014	-0.0056163	0.00864043	0.515692	0.404669	0.0672104	1.73E-09	-0.0138787	0.0214759	0.5181206	0.5528625	5	0.87335446
ENSG00000105976	7	MET	116312444	rs187437	7	116445091	A	G	0.444334	-0.0170902	0.00827342	0.0388597	-0.918382	0.0753131	3.34E-34	0.018609	0.00913703	0.0416841	0.6192713	20	0.48890818
ENSG00000272686	7	RP11-390E23.6	123389122	rs10215473	7	123380681	G	C	0.440358	-0.0018077	0.0080728	0.822814	0.43707	0.0773036	1.57E-08	-0.004136	0.0184847	0.8229504	0.1544155	3	0.95584789
ENSG00000234224	7	TMEM229A	123670973	rs10271476	7	123659236	A	T	0.164016	-0.0137886	0.0128188	0.282081	0.361674	0.0598147	1.48E-09	-0.0381244	0.0359994	0.2895872	0.1003968	7	0.76960674
ENSG00000242593	7	RP5-921G16.1	123672259	rs10238997	7	124029567	C	T	0.241551	-0.0084043	0.0093704	0.369772	-0.885326	0.0904189	1.23E-22	0.0094929	0.0106284	0.3717712	0.1133381	20	0.8131246
ENSG00000227869	7	RP11-807H17.1	125071401	rs67277928	7	124776704	T	G	0.322068	-0.0066426	0.00878103	0.449365	-0.457814	0.0833721	3.99E-08	0.0145094	0.0193615	0.4536184	0.7277417	5	0.84363563
ENSG00000197157	7	SND1	127292234	rs1345283	7	127533339	G	A	0.282306	-0.0029709	0.00976404	0.760925	-0.437123	0.0582495	6.17E-14	0.00679639	0.0223554	0.761116	0.5907895	16	0.94511498
ENSG00000165055	7	METTL2B	128116783	rs9690423	7	128144492	T	C	0.382704	0.0185108	0.00837649	0.0271156	-0.574675	0.0894982	1.35E-10	-0.0322109	0.0154151	0.03665678	0.7384182	6	0.46953024
ENSG00000273270	7	RP11-212P7.2	128164070	rs12673048	7	128194712	T	C	0.290258	-0.0112218	0.00900053	0.212473	-0.477921	0.0713768	2.15E-11	0.0234804	0.0191564	0.2203023	0.05293435	7	0.72614309
ENSG00000243302	7	RP11-274B21.2	128291239	rs1450874	7	128336850	A	G	0.291252	-0.0105588	0.00900235	0.24084	0.286715	0.050412	1.29E-08	-0.0368268	0.032059	0.250671	0.4922832	3	0.75417781
ENSG00000230715	7	RP11-274B21.4	128292895	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.44141	0.0555386	1.90E-15	-0.0121053	0.0184266	0.5112152	0.05191651	11	0.87184445
ENSG00000229413	7	AC018638.1	128293740	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.402997	0.069441	6.50E-09	-0.0132592	0.0202433	0.5124738	0.5143876	3	0.87205968
ENSG00000243679	7	RP11-274B21.3	128294023	rs1450874	7	128336850	A	G	0.291252	-0.0105588	0.00900235	0.24084	0.420747	0.0552348	2.59E-14	-0.0250954	0.0216483	0.2463614	0.1436196	11	0.75018932
ENSG00000271553	7	RP11-274B21.10	128307097	rs78654185	7	128296224	T	C	0.120278	0.00623589	0.0109369	0.568564	1.06289	0.135735	4.86E-15	0.00586692	0.010317	0.569584	0.2653247	16	0.88600607
ENSG00000271344	7	RP11-274B21.9	128330505	rs56249749	7	128188195	T	C	0.33996	0.0196567	0.00855549	0.0215874	0.382102	0.0667097	1.02E-08	0.0514436	0.0241247	0.03297398	0.04693075	8	0.4653322
ENSG00000131558	7	EXOC4	132937829	rs62470398	7	133541630	A	G	0.864811	-0.0077799	0.0112515	0.489277	0.566621	0.0987828	9.69E-09	-0.0137304	0.0200009	0.4924059	0.9316829	5	0.86503051
ENSG00000223500	7	AC083862.6	134813196	rs11975891	7	134758298	G	C	0.480119	0.00364548	0.00805777	0.650967	-0.528046	0.0941043	2.01E-08	-0.0069037	0.0153091	0.6520223	0.945083	4	0.91325402
ENSG00000105875	7	WDR91	134868590	rs6943567	7	134939047	T	C	0.33002	0.00013822	0.00882094	0.987498	-0.363789	0.0639393	1.27E-08	-0.00038	0.0242475	0.9874978	0.3448733	4	0.99484259
ENSG00000243317	7	C7orf73	135347244	rs3110823	7	135357476	C	A	0.148111	-0.0103812	0.0106274	0.328655	-0.564032	0.0914605	6.96E-10	0.0184053	0.0190767	0.3346425	0.678723	8	0.79801977
ENSG00000273219	7	RP11-644N4.1	135389285	rs3110823	7	135357476	C	A	0.148111	-0.0103812	0.0106274	0.328655	0.92998	0.158997	4.94E-09	-0.0111628	0.0115858	0.335302	0.04549833	9	0.79837012
ENSG00000006459	7	JHDM1D	139784546	rs62491441	7	139875255	G	C	0.0775348	0.00089789	0.0144682	0.950515	0.825677	0.122257	1.44E-11	0.00108746	0.0175236	0.9505174	0.9700779	6	0.98687457
ENSG00000228775	7	WEE2-AS1	141404138	rs1285896	7	141564780	C	T	0.535785	0.00298164	0.00805377	0.711222	-0.455852	0.0657502	4.12E-12	-0.0065408	0.0176927	0.7116135	0.9641308	14	0.93557648
ENSG00000127364	7	TAS2R4	141478242	rs1859646	7	141495604	A	G	0.473161	-0.0014263	0.00804203	0.859226	0.790154	0.0666988	2.24E-32	-0.0018051	0.0101789	0.8592417	0.9286771	20	0.972358
ENSG00000257335	7	MGAM	141607613	rs2270009	7	141464765	T	C	0.463221	-0.001467	0.00806903	0.855737	-0.494042	0.0822671	1.91E-09	0.00296934	0.0163402	0.8558021	0.9873977	10	0.97096378
ENSG00000213214	7	ARHGEF35	143883176	rs6464583	7	143874482	G	A	0.162028	-0.0233692	0.0107356	0.0294951	-0.80468	0.1253	1.34E-10	0.0290416	0.014087	0.03924727	0.726994	4	0.47997998
ENSG00000050327	7	ARHGEF5	144052381	rs720475	7	144074929	A	G	0.28827	-0.0019456	0.00925552	0.833505	0.70562	0.0843836	6.16E-17	-0.0027573	0.013121	0.8335567	0.3169619	4	0.96017291
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.507351	0.0658477	1.31E-14	-0.0231225	0.0174582	0.1853537	0.1226992	20	0.68770868
ENSG00000181444	7	ZNF467	149461271	rs855676	7	149472312	T	C	0.156064	-0.0028615	0.0122865	0.815843	-0.752411	0.0757693	3.07E-23	0.00380304	0.016334	0.8158936	0.2206685	20	0.95462281
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.771696	0.054122	3.97E-46	0.00710554	0.0129734	0.583896	0.2597218	18	0.88863988
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs12540296	7	149583591	C	T	0.602386	-0.0069248	0.0080868	0.391828	0.482716	0.0620213	7.08E-15	-0.0143455	0.0168538	0.394674	0.6162714	15	0.81370679
ENSG00000171130	7	ATP6V0E2	149570057	rs10247524	7	149579948	C	G	0.599404	-0.0031652	0.00806324	0.69466	0.554583	0.0476375	2.53E-31	-0.0057073	0.0145475	0.6948234	0.07432054	19	0.93377999
ENSG00000224016	7	RP11-728K20.1	149588280	rs10270466	7	149590343	A	G	0.714712	-0.0025413	0.00901697	0.778067	-0.48256	0.0804146	1.96E-09	0.00526633	0.0187063	0.7783061	0.353006	4	0.94619098
ENSG00000106526	7	ACTR3C	149941005	rs2531052	7	149989676	G	A	0.0964215	-0.0133923	0.00990852	0.176505	-0.711097	0.098421	5.01E-13	0.0188333	0.0141759	0.1839972	0.3638997	6	0.68680143
ENSG00000127399	7	LRRC61	150019728	rs2159236	7	150017214	G	A	0.26839	-0.0069531	0.00870544	0.424458	0.900453	0.0743621	9.46E-34	-0.0077218	0.00968885	0.4254638	0.4233818	20	0.83417457
ENSG00000188707	7	ZBED6CL	150026938	rs11538922	7	150035183	T	C	0.245527	-0.0105771	0.0091585	0.248133	-0.849244	0.107026	2.11E-15	0.0124547	0.0108979	0.2530997	0.356851	8	0.75616222
ENSG00000261305	7	RP4-584D14.7	150038860	rs1983440	7	150023941	C	G	0.260437	-0.0072203	0.00870774	0.407	0.765274	0.11442	2.26E-11	-0.009435	0.0114657	0.4105731	0.2836444	11	0.82530876
ENSG00000178234	7	GALNT11	151722759	rs144034483	7	151757649	A	G	0.0109344	0.0238538	0.0278116	0.391061	1.1727	0.16036	2.61E-13	0.0203409	0.0238784	0.3942954	0.6033395	4	0.81370679
ENSG00000261455	7	LINC01003	152160871	rs7779851	7	152158006	A	C	0.353877	-0.0091746	0.00826197	0.266798	-0.414143	0.0733279	1.62E-08	0.0221533	0.0203315	0.2758878	0.3482084	6	0.76018963
ENSG00000196584	7	XRCC2	152341864	rs3218410	7	152367084	C	T	0.200795	0.0204215	0.00956917	0.0328345	0.677816	0.123812	4.39E-08	0.0301284	0.0151524	0.04677197	0.4697227	4	0.51644866
ENSG00000214106	7	PAXIP1-AS2	154720208	rs73171061	7	154763111	A	G	0.328032	-0.0105504	0.00849851	0.214443	0.555481	0.0713929	7.22E-15	-0.0189933	0.0154929	0.2202234	0.0941998	8	0.72614309
ENSG00000273344	7	PAXIP1-AS1	154795158	rs306276	7	154789678	C	T	0.605368	-0.0124596	0.00836092	0.136167	-0.316219	0.0548027	7.92E-09	0.0394018	0.0273078	0.1490556	0.491766	6	0.66214005
ENSG00000228521	7	AC099552.3	154995857	rs10251753	7	154982726	A	G	0.28827	-0.0198902	0.00905739	0.0280905	0.516587	0.0945144	4.61E-08	-0.0385031	0.0188954	0.04158017	0.7364136	4	0.48890818
ENSG00000218672	7	AC008060.7	155174771	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.797386	0.0882445	1.62E-19	-0.0029373	0.0102749	0.7749735	0.5732552	15	0.94619098
ENSG00000260426	7	RP5-912I13.1	155192617	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.888002	0.0894089	3.02E-23	-0.0026376	0.00922558	0.7749546	0.6200874	20	0.94619098
ENSG00000233878	7	AC073133.1	156230483	rs7803221	7	156464511	A	G	0.335984	-0.0098117	0.00831158	0.237805	0.554216	0.0960954	8.05E-09	-0.0177038	0.0153079	0.2474717	0.9575995	12	0.75018932
ENSG00000182648	7	LINC01006	156264890	rs2240645	7	156471148	A	C	0.312127	-0.0083431	0.00843983	0.32289	-0.430063	0.0740823	6.43E-09	0.0193997	0.0199071	0.3298041	0.8693473	10	0.79123002
ENSG00000126870	7	WDR60	158649269	rs4909278	7	158659020	C	T	0.235586	0.00834827	0.00943028	0.376015	-0.561009	0.0847343	3.57E-11	-0.0148808	0.0169591	0.3802405	0.4530096	9	0.8131246
ENSG00000253982	8	CTD-2336O2.1	1710156	rs6558535	8	1710632	C	T	0.688867	0.0139258	0.00951819	0.143448	0.437057	0.0454961	7.51E-22	0.0318627	0.022029	0.1480668	0.2922438	20	0.66214005
ENSG00000104728	8	ARHGEF10	1772142	rs56367862	8	1757724	G	T	0.181909	-0.000885	0.00999703	0.929462	0.411245	0.0680028	1.47E-09	-0.0021519	0.0243118	0.9294695	0.2391113	7	0.98508836
ENSG00000036448	8	MYOM2	1993155	rs4876220	8	2075378	C	T	0.446322	0.0131483	0.00808165	0.103751	0.779606	0.0864062	1.84E-19	0.0168653	0.0105335	0.1093523	0.9362456	20	0.61771552
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-0.929215	0.102331	1.08E-19	-0.020017	0.00913345	0.02840736	0.5211638	20	0.45663232
ENSG00000233609	8	RP11-62H7.2	8818710	rs6981573	8	8821318	C	T	0.354871	0.0121083	0.00824982	0.142184	0.652944	0.101664	1.34E-10	0.0185442	0.0129605	0.1524819	0.3162758	20	0.66578807
ENSG00000173273	8	TNKS	9413424	rs10100914	8	9616425	A	C	0.180915	0.0321609	0.0087871	0.0002522	-0.507167	0.079914	2.20E-10	-0.0634128	0.0200006	0.00152152	0.5931781	20	0.16061112
ENSG00000253678	8	RP11-981G7.3	10335001	rs6601468	8	10336140	G	A	0.677932	0.0101776	0.00853338	0.232993	-0.683801	0.0986614	4.19E-12	-0.0148839	0.0126628	0.239833	0.7085908	10	0.74968171
ENSG00000272505	8	RP11-981G7.6	10344317	rs6997515	8	10240404	C	A	0.501988	0.00062831	0.00807582	0.937986	0.357798	0.0642513	2.57E-08	0.00175605	0.0225731	0.9379921	0.03106959	20	0.9855112
ENSG00000255020	8	AF131216.5	11203257	rs7816606	8	11205602	C	T	0.511928	0.015856	0.00824107	0.0543513	0.547527	0.073589	1.00E-13	0.0289593	0.0155465	0.06249768	0.4304738	20	0.5645429
ENSG00000154319	8	FAM167A	11278972	rs4841466	8	10828909	C	T	0.529821	-0.0184403	0.00817632	0.0241124	0.301524	0.0491353	8.43E-10	-0.061157	0.02889	0.0342691	0.2639546	20	0.46953024
ENSG00000154328	8	NEIL2	11627148	rs804258	8	11634809	G	A	0.394632	0.00327945	0.00807491	0.684647	0.381358	0.0594607	1.42E-10	0.0085994	0.0212165	0.6852448	0.09315083	18	0.92927083
ENSG00000164733	8	CTSB	11700033	rs1736103	8	11712639	T	C	0.267396	-0.0126608	0.0101439	0.211988	0.424234	0.0613199	4.57E-12	-0.0298439	0.0242971	0.2193376	0.2267258	20	0.72614309
ENSG00000254507	8	RP11-481A20.10	11860909	rs4840609	8	11878338	C	G	0.478131	0.0205942	0.0084113	0.0143493	0.523297	0.0902159	6.61E-09	0.0393547	0.0174469	0.02409053	0.5256957	20	0.44349033
ENSG00000255495	8	FAM85A	12051976	rs3988873	8	11986310	A	T	0.224652	-0.0126636	0.0132716	0.339989	0.686516	0.121083	1.43E-08	-0.0184462	0.0196037	0.3467275	0.9074233	4	0.80339547
ENSG00000227888	8	FAM66A	12219527	rs9693773	8	12185802	T	C	0.45328	-0.0061023	0.0103773	0.556502	-0.878793	0.0938453	7.66E-21	0.00694397	0.0118318	0.5572789	0.1345211	20	0.88339661
ENSG00000255556	8	RP11-351I21.6	12236188	rs373463701	8	12148504	C	T	0.510934	0.00354856	0.0106175	0.738215	0.592896	0.0850884	3.21E-12	0.00598513	0.0179285	0.7385046	0.2639711	20	0.93797307
ENSG00000145002	8	FAM86B2	12282913	rs3988873	8	11986310	A	T	0.224652	-0.0126636	0.0132716	0.339989	0.648398	0.114535	1.50E-08	-0.0195306	0.020757	0.3467478	0.9405978	3	0.80339547
ENSG00000198791	8	CNOT7	17086737	rs73200936	8	17121711	A	C	0.0656064	0.0185374	0.0160384	0.247757	0.628617	0.0977887	1.29E-10	0.0294892	0.0259229	0.2552992	0.6188922	4	0.75616222
ENSG00000129422	8	MTUS1	17501304	rs7459632	8	17536088	C	T	0.722664	-0.0012932	0.00863308	0.880929	0.383309	0.0538967	1.14E-12	-0.0033737	0.0225275	0.8809555	0.7634188	20	0.97641549
ENSG00000253671	8	RP11-806O11.1	17666450	rs2653420	8	17683178	T	A	0.791252	-0.0027376	0.00996128	0.783449	-0.497977	0.0849351	4.54E-09	0.00549746	0.0200255	0.7836822	0.171794	8	0.94619098
ENSG00000104760	8	FGL1	17721889	rs383297	8	17865696	T	C	0.764414	-0.0062087	0.0103929	0.550244	-0.579834	0.0974343	2.66E-09	0.0107077	0.018014	0.5522374	0.07834795	14	0.88290059
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.583862	0.0727815	1.04E-15	0.00872977	0.014475	0.5464481	0.207648	20	0.88105123
ENSG00000147408	8	CSGALNACT1	19261672	rs10888163	8	19315034	T	G	0.431412	-0.0052088	0.00810189	0.520283	0.545832	0.0471809	5.92E-31	-0.0095428	0.0148661	0.5209259	0.7474485	20	0.8735594
ENSG00000197181	8	PIWIL2	22132810	rs4871990	8	22132837	T	C	0.569583	-0.001686	0.00846056	0.842048	-0.669549	0.085896	6.45E-15	0.00251807	0.0126403	0.8420993	0.3516435	17	0.96621741
ENSG00000147439	8	BIN3	22477931	rs4242434	8	22501830	A	C	0.328032	-0.0002487	0.00905365	0.97809	0.4009	0.0660523	1.28E-09	-0.0006202	0.0225835	0.9780897	0.333779	10	0.99161687
ENSG00000134020	8	PEBP4	22570769	rs6557604	8	22796318	A	G	0.799205	0.0164	0.0096633	0.0896706	0.480036	0.0678336	1.48E-12	0.0341641	0.0207012	0.09887207	0.561576	11	0.61356312
ENSG00000173535	8	TNFRSF10C	22941868	rs7830593	8	22944695	A	G	0.159046	-0.0203207	0.00969137	0.0360131	0.917155	0.0971344	3.65E-21	-0.0221562	0.0108242	0.04066597	0.1733239	20	0.48341214
ENSG00000221818	8	EBF2	25699246	rs11135921	8	26049480	G	C	0.563618	-0.0061685	0.00807256	0.444788	-0.307571	0.0558156	3.58E-08	0.0200556	0.0264973	0.4491154	0.6289166	5	0.84260552
ENSG00000228451	8	SDAD1P1	26236775	rs4872426	8	26199629	C	T	0.136183	0.00061618	0.0105024	0.953215	0.758757	0.113506	2.31E-11	0.00081209	0.0138421	0.9532168	0.8076285	3	0.98687457
ENSG00000015592	8	STMN4	27092840	rs17366947	8	27103024	G	A	0.37674	-0.0143389	0.00837076	0.0867181	-0.852146	0.0619581	4.85E-43	0.0168268	0.00989905	0.08916076	0.144458	19	0.60921089
ENSG00000104228	8	TRIM35	27142404	rs1345134	8	27119538	A	G	0.452286	-0.0144601	0.00828027	0.0807532	-0.412243	0.0660774	4.41E-10	0.0350766	0.0208579	0.09262859	0.02299974	7	0.61111712
ENSG00000120915	8	EPHX2	27348296	rs10090802	8	27354611	C	T	0.150099	0.00578178	0.0121584	0.634404	0.380939	0.0510052	8.10E-14	0.0151777	0.0319816	0.6350886	0.06962437	8	0.91044282
ENSG00000147419	8	CCDC25	27590835	rs13259826	8	27582025	C	A	0.43837	-0.0231748	0.00806831	0.00407455	0.468008	0.0614939	2.73E-14	-0.049518	0.0184266	0.00720309	0.1634928	20	0.33463226
ENSG00000134014	8	ELP3	27947190	rs34247390	8	27948535	G	T	0.337972	0.0070416	0.00849007	0.406882	0.697138	0.0694398	1.02E-23	0.0101007	0.01222	0.4084771	0.9849494	19	0.82530876
ENSG00000157168	8	NRG1	31496902	rs13282071	8	32492911	T	C	0.269384	0.0113719	0.00844057	0.177886	0.547423	0.068045	8.62E-16	0.0207735	0.0156335	0.1839186	0.3208414	7	0.68680143
ENSG00000147533	8	GOLGA7	41347915	rs1559735	8	41310560	G	A	0.960239	-0.0295397	0.0170938	0.0839731	0.701769	0.102431	7.33E-12	-0.0420932	0.0251211	0.09381403	0.1715519	3	0.6126887
ENSG00000070718	8	AP3M2	42010464	rs732612	8	42049368	T	G	0.584493	-0.0092351	0.00817061	0.258355	0.300022	0.0520445	8.18E-09	-0.0307815	0.0277519	0.2673574	0.7807902	7	0.75616222
ENSG00000176209	8	SMIM19	42396298	rs10087350	8	42359484	A	G	0.415507	0.00130424	0.00826137	0.874558	0.487524	0.0498205	1.30E-22	0.00267523	0.0169478	0.8745738	0.6312423	20	0.97641549
ENSG00000104738	8	MCM4	48872745	rs762679	8	48885436	A	T	0.84493	0.0040172	0.01075	0.708632	0.322762	0.0544709	3.12E-09	0.0124463	0.0333724	0.7091841	0.8137575	16	0.9353504
ENSG00000034239	8	EFCAB1	49623348	rs3750259	8	49647910	A	C	0.605368	0.00063178	0.00828332	0.939203	-0.89634	0.0875219	1.29E-24	-0.0007048	0.00924153	0.9392045	0.6633888	20	0.9855112
ENSG00000008988	8	RPS20	56979854	rs2668014	8	56930539	A	G	0.23161	0.00937235	0.0106768	0.38004	0.32263	0.0471235	7.57E-12	0.0290498	0.0333639	0.38392	0.5052328	12	0.8131246
ENSG00000241431	8	RP11-17A4.1	57500944	rs17831158	8	57467515	A	G	0.436382	-0.0150835	0.00806436	0.0614299	-0.621333	0.100784	7.05E-10	0.024276	0.0135633	0.07348115	0.340589	5	0.58576292
ENSG00000254139	8	CTD-2339F6.1	58658708	rs112405757	8	58660265	G	T	0.0656064	-0.0126988	0.0223766	0.570373	1.13589	0.204434	2.76E-08	-0.0111796	0.0198021	0.5723687	0.344055	5	0.88600607
ENSG00000137563	8	GGH	63927638	rs7823031	8	63981581	G	A	0.487078	-0.0069676	0.00824393	0.398011	-0.368944	0.0567975	8.26E-11	0.0188853	0.022533	0.4019662	0.7558833	17	0.81951022
ENSG00000254081	8	CTD-3025N20.2	66439243	rs62507575	8	66478721	T	C	0.523857	0.0122212	0.00808754	0.130758	0.730043	0.0714866	1.75E-24	0.0167404	0.0111988	0.1349566	0.262256	20	0.64953202
ENSG00000272010	8	CTD-3025N20.3	66504085	rs4737750	8	66550959	C	G	0.612326	0.0151231	0.00859487	0.0784856	0.622047	0.0647617	7.60E-22	0.0243118	0.014047	0.08349651	0.5582561	17	0.59987302
ENSG00000104442	8	ARMC1	66514694	rs34851482	8	66518462	A	G	0.316103	-0.0138801	0.00907985	0.126346	0.370411	0.0556142	2.73E-11	-0.0374722	0.0251503	0.1362425	0.9767527	8	0.64953202
ENSG00000205268	8	PDE7A	66629745	rs117851178	8	66960356	A	G	0.082505	-0.0328973	0.0235409	0.162277	0.614651	0.105942	6.56E-09	-0.0535219	0.039395	0.174274	0.6705096	7	0.67633689
ENSG00000147576	8	ADHFE1	67342420	rs1963852	8	67357262	G	A	0.548708	0.00375695	0.00811221	0.643277	0.47713	0.0479645	2.58E-23	0.00787406	0.0170205	0.6436355	0.4611143	20	0.91325402
ENSG00000147592	8	LACTB2	71547553	rs1822651	8	71736661	A	G	0.4334	-0.021625	0.00808827	0.00750378	0.433372	0.0623504	3.64E-12	-0.0498994	0.0199967	0.01258231	0.615364	8	0.36421138
ENSG00000221947	8	XKR9	71581600	rs2732118	8	71908665	C	T	0.4334	-0.023023	0.00811132	0.0045344	1.00613	0.0944417	1.68E-26	-0.0228827	0.00834313	0.00609356	0.3578298	8	0.32635901
ENSG00000260398	8	RP11-594N15.3	79518187	rs73244995	8	79516825	A	T	0.0884692	-0.0022529	0.0122116	0.853634	0.771592	0.117236	4.66E-11	-0.0029197	0.0158327	0.8536903	0.2612679	6	0.96985738
ENSG00000254352	8	RP11-578O24.2	79636031	rs2717547	8	79656989	G	T	0.285288	-0.0109213	0.00910659	0.230423	-0.683219	0.11957	1.10E-08	0.0159851	0.0136194	0.2405147	0.4915753	5	0.74968171
ENSG00000272138	8	RP11-27N21.3	80680377	rs2247008	8	80714713	A	C	0.657058	0.0142034	0.00849471	0.0945192	-0.577726	0.0877619	4.61E-11	-0.024585	0.0151706	0.1051097	0.1021151	6	0.61771552
ENSG00000104497	8	SNX16	82711816	rs4739831	8	82808312	T	C	0.574553	-0.025836	0.00877212	0.00322701	-0.436193	0.0585819	9.63E-14	0.0592307	0.0216268	0.00616703	0.0155305	18	0.32635901
ENSG00000133739	8	LRRCC1	86019382	rs7000849	8	86069494	G	A	0.0924453	0.00668583	0.0127188	0.59912	0.420769	0.0601117	2.56E-12	0.0158895	0.0303126	0.600147	0.4868163	9	0.89783896
ENSG00000253549	8	RP11-317J10.2	86354080	rs3758076	8	86375535	C	G	0.631213	0.00574927	0.00872476	0.509921	0.50827	0.0643142	2.72E-15	0.0113114	0.0172252	0.5113858	0.7568471	14	0.87184445
ENSG00000176623	8	RMDN1	87480486	rs7465511	8	87521481	T	C	0.26839	0.0155557	0.00910887	0.0876819	0.322725	0.0352747	5.75E-20	0.0482011	0.0287124	0.09319937	0.5510997	18	0.61143888
ENSG00000156170	8	NDUFAF6	95907995	rs6471503	8	95990283	A	G	0.537773	0.00915649	0.00807729	0.256959	0.379871	0.0631002	1.74E-09	0.0241042	0.0216369	0.2652661	0.3955353	12	0.75616222
ENSG00000174226	8	SNX31	101585116	rs1693560	8	101680292	G	A	0.469185	-0.0028437	0.00813132	0.726549	0.823251	0.0997851	1.58E-16	-0.0034542	0.00988595	0.7267848	0.6776805	14	0.93728518
ENSG00000164924	8	YWHAZ	101928753	rs4734500	8	101970119	T	C	0.586481	-0.012527	0.00807781	0.120952	-0.170127	0.0267461	2.01E-10	0.0736332	0.0488718	0.1318979	0.2936459	5	0.64953202
ENSG00000271830	8	RP11-1C8.7	104493494	rs35667758	8	104508704	T	A	0.38668	0.0104774	0.00810571	0.196149	0.532344	0.0782705	1.04E-11	0.0196816	0.015499	0.2041326	0.4872487	9	0.711739
ENSG00000104408	8	EIF3E	109213445	rs635941	8	109235457	A	G	0.456262	0.00843465	0.00810498	0.298027	-0.254534	0.0461126	3.39E-08	-0.0331376	0.0324034	0.3064693	0.2481617	12	0.7730656
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.09328	0.106691	1.22E-24	-0.0049399	0.00886077	0.5771829	0.7374675	16	0.88600607
ENSG00000172167	8	MTBP	121457640	rs13255475	8	121468076	C	T	0.691849	-0.0120587	0.0085327	0.157586	-0.600975	0.0821266	2.52E-13	0.0200652	0.0144604	0.1652608	0.8428233	5	0.66992819
ENSG00000156795	8	WDYHV1	124428965	rs3779988	8	124473085	A	G	0.586481	-0.0050901	0.0081724	0.533386	0.539019	0.0703168	1.78E-14	-0.0094433	0.0152116	0.5347325	0.1599929	8	0.88027458
ENSG00000156804	8	FBXO32	124510129	rs2385291	8	124536822	C	T	0.284294	-0.0072154	0.00859019	0.40093	-0.493103	0.0717402	6.27E-12	0.0146327	0.0175503	0.4044174	0.9943347	3	0.82137048
ENSG00000147697	8	GSDMC	130760442	rs80301500	8	130765818	T	C	0.0576541	-0.0159352	0.0164663	0.333169	-0.855611	0.150332	1.26E-08	0.0186244	0.0195213	0.3400569	0.7123972	3	0.80246118
ENSG00000132294	8	EFR3A	132916335	rs76273933	8	132925466	T	C	0.189861	0.00235571	0.00932482	0.800555	0.349355	0.0559916	4.39E-10	0.00674303	0.0267134	0.8007156	0.3505609	10	0.94842391
ENSG00000259820	8	AC083843.1	135804263	rs737196	8	135847442	C	T	0.372763	0.00369799	0.00846404	0.66218	-0.38686	0.0568514	1.01E-11	-0.009559	0.0219239	0.6628308	0.19568	4	0.91799792
ENSG00000169398	8	PTK2	141667999	rs13268718	8	141687200	G	T	0.526839	0.0126047	0.00811502	0.120363	0.257498	0.0422469	1.09E-09	0.0489507	0.0325221	0.1322854	0.154102	18	0.64953202
ENSG00000253605	8	HNRNPA1P38	142469175	rs62522535	8	142456983	C	G	0.258449	-0.0116339	0.0111297	0.295881	0.732842	0.0965764	3.24E-14	-0.015875	0.0153305	0.3004246	0.5186571	5	0.77288957
ENSG00000226490	8	AC138647.1	142524738	rs62522535	8	142456983	C	G	0.258449	-0.0116339	0.0111297	0.295881	0.806084	0.104467	1.20E-14	-0.0144326	0.0139332	0.3002765	0.6287604	7	0.77288957
ENSG00000171045	8	TSNARE1	143293441	rs7817330	8	143380963	C	T	0.177932	-0.0123427	0.010563	0.242608	0.546152	0.0930985	4.45E-09	-0.0225994	0.0197207	0.2518064	0.04687891	11	0.75599214
ENSG00000261693	8	RP13-467H17.1	143485013	rs9801745	8	143485020	C	G	0.178926	-0.00144	0.0116793	0.901873	0.674868	0.115766	5.56E-09	-0.0021338	0.0173099	0.9018946	0.9303277	6	0.97933547
ENSG00000160886	8	LY6K	143781529	rs2257796	8	143808667	C	T	0.472167	0.0049188	0.00808541	0.542951	-0.607201	0.0888116	8.09E-12	-0.0081008	0.0133685	0.5445407	0.05363419	20	0.880541
ENSG00000253741	8	CTD-2292P10.4	143783670	rs2585139	8	143808175	G	C	0.452286	0.00469008	0.00813859	0.564429	-0.552135	0.071451	1.10E-14	-0.0084944	0.0147811	0.5655071	0.0196128	20	0.88384542
ENSG00000130193	8	THEM6	143808621	rs2585136	8	143812141	G	A	0.456262	0.00285134	0.00813846	0.726074	-0.44314	0.0590463	6.15E-14	-0.0064344	0.0183854	0.7263593	0.00979947	11	0.93728518
ENSG00000247317	8	RP11-273G15.2	144063155	rs4270938	8	144093864	T	C	0.581511	0.0129925	0.00807615	0.107671	-0.388474	0.0495855	4.71E-15	-0.033445	0.0212232	0.1150562	0.4023347	20	0.62351589
ENSG00000253716	8	RP13-582O9.5	144362331	rs7387459	8	144365114	C	T	0.487078	0.00217273	0.00809108	0.788288	-0.635214	0.0706241	2.38E-19	-0.0034205	0.0127432	0.7883804	0.7727638	20	0.94619098
ENSG00000104518	8	GSDMD	144635377	rs4874140	8	144571841	G	C	0.194831	-0.0117983	0.00960103	0.219127	-0.466364	0.0527144	8.99E-19	0.0252985	0.0207846	0.2235388	0.712896	20	0.72892317
ENSG00000255050	8	RP11-661A12.9	144655660	rs10090650	8	144683975	G	A	0.800199	-0.0007727	0.00977865	0.937019	0.741945	0.109074	1.03E-11	-0.0010414	0.0131806	0.9370235	0.7460514	15	0.9855112
ENSG00000147813	8	NAPRT1	144656955	rs10093709	8	144684215	G	A	0.803181	-0.0006868	0.00978006	0.944013	1.00879	0.0872747	6.66E-31	-0.0006808	0.00969502	0.9440141	0.6432656	20	0.98685901
ENSG00000104524	8	PYCRL	144686083	rs11986259	8	144653397	A	G	0.229622	-0.0034203	0.00983893	0.72812	-0.319766	0.0558158	1.01E-08	0.0106962	0.0308257	0.7285988	0.6736388	3	0.93735246
ENSG00000254812	8	RP11-661A12.12	144714241	rs2242085	8	144699424	C	G	0.210736	-0.0052807	0.00993444	0.595034	-0.897087	0.118398	3.54E-14	0.0058865	0.0111013	0.5959375	0.9473823	10	0.89662432
ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	0.788074	0.0966938	3.63E-16	-0.0129122	0.0189119	0.4947605	0.9773406	3	0.86611193
ENSG00000185803	8	SLC52A2	145577795	rs7838766	8	145586771	G	A	0.423459	0.00069625	0.00808819	0.931401	0.347414	0.0592837	4.62E-09	0.0020041	0.0232836	0.9314081	0.9438143	5	0.9855112

ENSG00000071894	8	CPSF1	145618444	rs34247131	8	145613959	C	T	0.570577	-0.0012562	0.00807028	0.876299	0.759721	0.0586716	2.39E-38	-0.0016536	0.0106235	0.8763079	0.6154992	19	0.97641549
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	1.04291	0.0976319	1.23E-26	0.0119331	0.0168096	0.4777646	0.01503702	11	0.85504619
ENSG00000196378	8	ZNF34	145998499	rs1735402	8	146072378	C	G	0.357853	0.0051366	0.00846415	0.54394	-0.418801	0.0747714	2.13E-08	-0.012265	0.0203287	0.5462862	0.8464237	8	0.88105123
ENSG00000161016	8	RPL8	146015150	rs2955194	8	145988907	T	G	0.470179	0.00716335	0.008065	0.374432	0.202797	0.0319497	2.19E-10	0.0353228	0.0401563	0.3790588	0.9938922	7	0.8131246
ENSG00000196922	8	ZNF252P	146198975	rs6981609	8	146222424	T	C	0.0974155	-0.0059316	0.0120684	0.623072	0.694541	0.0815563	1.65E-17	-0.0085404	0.017405	0.6236503	0.6769954	16	0.90620675
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407330	9	73986	G	A	0.44831	-0.0014228	0.00842389	0.865875	-0.794242	0.107778	1.72E-13	0.00179139	0.010609	0.8659097	0.5459636	8	0.97500756
ENSG00000172785	9	CBWD1	121041	rs3008143	9	193737	T	C	0.619284	0.00110801	0.00824952	0.893156	-0.810174	0.085704	3.29E-21	-0.0013676	0.0101834	0.8931665	0.1438893	20	0.97905377
ENSG00000107099	9	DOCK8	214854	rs12156499	9	370199	G	A	0.144135	0.0118156	0.0126921	0.351885	0.487607	0.0681645	8.47E-13	0.0242318	0.0262489	0.3559256	0.4692988	5	0.81042939
ENSG00000236404	9	RP11-125B21.2	2422702	rs568886	9	2532598	A	G	0.184891	-0.0099185	0.00942382	0.292571	0.511414	0.0558225	5.12E-20	-0.0193943	0.0185482	0.2957369	0.2967783	20	0.77262895
ENSG00000137033	9	IL33	6215805	rs2039386	9	6268204	C	G	0.929423	-0.01052	0.0164199	0.521724	-0.337023	0.0594436	1.43E-08	0.0312145	0.0490305	0.5243632	0.4009247	15	0.87471206
ENSG00000225706	9	RP11-75C9.1	8858130	rs118077803	9	8858350	A	G	0.134195	0.00588787	0.0135297	0.66343	-0.89518	0.120933	1.34E-13	-0.0065773	0.01514	0.6639755	0.6268219	6	0.91799792
ENSG00000235448	9	RP11-3L8.3	12700100	rs1326792	9	12761360	C	T	0.597416	0.00537848	0.00843631	0.523774	0.884419	0.0716829	5.66E-35	0.00608137	0.00955154	0.5243268	0.7017309	20	0.87471206
ENSG00000153714	9	LURAP1L	12775020	rs1074789	9	12752340	G	A	0.60835	0.00282629	0.00849386	0.739328	0.921292	0.0799133	9.46E-31	0.00306775	0.00922335	0.7394313	0.628677	20	0.93797307
ENSG00000272871	9	RP11-408A13.4	14588795	rs10961600	9	14588059	T	C	0.533797	0.00762426	0.0080886	0.345888	0.509679	0.0798837	1.77E-10	0.0149589	0.0160422	0.3510925	0.374714	20	0.80500918
ENSG00000215237	9	RP11-54D18.2	14993310	rs1916311	9	15019719	C	T	0.5	-0.0052414	0.00807877	0.516473	0.991084	0.0765591	2.50E-38	-0.0052886	0.00816168	0.5169988	0.2099354	20	0.87335446
ENSG00000164989	9	CCDC171	15552895	rs276436	9	15614370	T	A	0.537773	0.0197549	0.00808941	0.0146033	0.566745	0.0679274	7.22E-17	0.0348568	0.0148723	0.01909159	0.7941335	20	0.40512316
ENSG00000044459	9	CNTLN	17134980	rs10810780	9	17381799	A	G	0.2833	0.0194413	0.00935779	0.0377511	0.486995	0.0878662	2.98E-08	0.0399209	0.020521	0.05173006	0.1051953	5	0.55616904
ENSG00000261402	9	RP11-378I6.1	19926092	rs4977363	9	19938019	G	A	0.500994	0.00572911	0.00807292	0.477909	-0.421089	0.0657951	1.55E-10	-0.0136055	0.019289	0.4805943	0.5424926	20	0.85575385
ENSG00000147894	9	C9orf72	27546544	rs774358	9	27559997	A	T	0.718688	-0.0039388	0.00900197	0.661718	0.560808	0.0712712	3.58E-15	-0.0070234	0.0160766	0.6622069	0.00908236	20	0.91799792
ENSG00000241043	9	GVQW1	32566787	rs611653	9	32568168	T	A	0.600398	-0.0086719	0.00809285	0.283921	-0.497737	0.0694852	7.88E-13	0.0174227	0.0164402	0.2892537	0.1769228	10	0.76960674
ENSG00000188133	9	TMEM215	32783497	rs16918836	9	32904328	T	C	0.112326	-0.0099496	0.0101761	0.328202	1.3558	0.14814	5.58E-20	-0.0073386	0.00754831	0.3309452	0.1450662	4	0.79252666
ENSG00000165269	9	AQP7	33384765	rs17251987	9	33388289	T	C	0.10338	-0.0005981	0.0119204	0.959981	1.36764	0.141438	4.06E-22	-0.0004374	0.00871615	0.9599813	0.4630368	9	0.98687457
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.505905	0.0654201	1.05E-14	-0.0011096	0.0182237	0.9514474	0.9123909	13	0.98687457
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.60064	0.168762	2.43E-21	0.0192374	0.00990251	0.05205523	0.01258148	20	0.55616904
ENSG00000164978	9	NUDT2	34329504	rs7863723	9	34340533	A	T	0.766402	-0.0178935	0.00938109	0.056469	0.567452	0.064441	1.30E-18	-0.0315331	0.0169153	0.06229789	0.7361359	16	0.5645429
ENSG00000137070	9	IL11RA	34650699	rs72737172	9	34696707	C	G	0.0646123	-0.0213493	0.0167743	0.203109	0.585717	0.095792	9.69E-10	-0.0364499	0.0292528	0.2127529	0.9355232	7	0.71706814
ENSG00000230074	9	RP11-195F19.9	34665662	rs78600552	9	34684030	T	G	0.139165	0.00899701	0.016969	0.595972	-0.788584	0.115901	1.02E-11	-0.0114091	0.0215836	0.5970828	0.2477248	8	0.89681361
ENSG00000198467	9	TPM2	35681989	rs13291033	9	35690530	A	T	0.275348	0.0154202	0.00937714	0.100083	-0.534218	0.0821054	7.69E-11	-0.028865	0.018105	0.1108657	0.928572	10	0.61771552
ENSG00000137103	9	TMEM8B	35814448	rs2381409	9	35829390	T	C	0.611332	-0.0125076	0.00814061	0.124428	-0.745032	0.0701881	2.54E-26	0.016788	0.0110404	0.1283607	0.2644033	20	0.64953202
ENSG00000165275	9	TRMT10B	37753804	rs4878174	9	37775467	C	T	0.568588	0.00388829	0.00818931	0.634929	-0.342299	0.0601977	1.30E-08	-0.0113593	0.0240077	0.6361033	0.5887563	9	0.91083918
ENSG00000122741	9	DCAF10	37800499	rs7030360	9	37810856	T	C	0.162028	0.00071741	0.0101819	0.943828	0.490362	0.0788017	4.89E-10	0.00146302	0.0207654	0.9438318	0.05208088	5	0.98685901
ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.5255	0.129393	4.41E-32	-0.0007445	0.00686571	0.9136506	0.1212747	12	0.97933547
ENSG00000137124	9	ALDH1B1	38392661	rs4646769	9	38392938	C	T	0.872763	3.95E-05	0.0120947	0.997395	-0.523817	0.0954346	4.05E-08	-7.54E-05	0.0230896	0.9973947	0.7166831	3	0.99852982
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.603335	0.0980999	7.74E-10	0.0243987	0.0169542	0.1501242	0.8389364	3	0.66214005
ENSG00000106733	9	NMRK1	77675489	rs10869500	9	77707695	T	A	0.366799	-0.0057783	0.00889866	0.516118	-1.1541	0.0866886	1.94E-40	0.00500673	0.00771964	0.516616	0.4962963	20	0.87335446
ENSG00000254473	9	RP11-522I20.3	86322509	rs3814507	9	86323309	T	C	0.153082	-0.0198815	0.0125198	0.112285	0.665284	0.103371	1.23E-10	-0.0298842	0.0193831	0.1231306	0.6832028	8	0.6364137
ENSG00000123975	9	CKS2	91926113	rs10119002	9	91963682	A	G	0.915507	-0.007827	0.0178097	0.660315	1.00391	0.132528	3.59E-14	-0.0077965	0.0177702	0.6608494	0.3312291	3	0.91799792
ENSG00000187764	9	SEMA4D	91975702	rs11265913	9	92098029	A	G	0.282306	-0.0013451	0.00915145	0.883144	-0.357121	0.0457787	6.14E-15	0.00376657	0.0256302	0.883165	0.863263	16	0.97641549
ENSG00000229694	9	RP11-305L7.6	93881344	rs4744035	9	93922267	G	A	0.929423	-0.0084577	0.0143354	0.555198	-1.28281	0.227757	1.78E-08	0.00659311	0.0112361	0.5573533	0.5581363	9	0.88339661
ENSG00000234537	9	RP11-100G15.7	94894680	rs3901406	9	94896482	A	C	0.32505	-0.0072265	0.00839577	0.389389	0.878504	0.0741545	2.23E-32	-0.0082259	0.00958208	0.3906372	0.9638426	20	0.8131246
ENSG00000188312	9	CENPP	95087766	rs10820978	9	95220601	T	G	0.175944	-0.0150239	0.0117482	0.200959	0.964496	0.0939244	9.74E-25	-0.0155769	0.0122748	0.2044328	0.5117154	17	0.711739
ENSG00000185963	9	BICD2	95473645	rs1552908	9	95373884	G	A	0.252485	-0.0041448	0.0094855	0.662137	0.32158	0.0585575	3.98E-08	-0.0128889	0.0295898	0.6631363	0.5179744	11	0.91799792
ENSG00000131669	9	NINJ1	95883771	rs7033638	9	95883785	C	T	0.187873	0.0082688	0.0100264	0.409542	-0.355742	0.0494577	6.34E-13	-0.0232438	0.0283691	0.4125954	0.8984018	10	0.82738546
ENSG00000227603	9	RP11-165J3.6	96197614	rs4552973	9	96301719	C	G	0.148111	0.0187259	0.0107531	0.0816056	0.83505	0.112586	1.20E-13	0.0224249	0.0132274	0.09001106	0.6903795	16	0.60921089
ENSG00000232063	9	RP11-307E17.8	97094758	rs370559997	9	97107803	A	G	0.150099	0.0218717	0.0104276	0.0359509	-0.703142	0.107068	5.13E-11	-0.0311057	0.015568	0.04571143	0.7811047	13	0.51644866
ENSG00000175611	9	LINC00476	98521513	rs591486	9	98650046	G	A	0.440358	0.0144771	0.00808156	0.0732335	0.889305	0.099269	3.29E-19	0.0162791	0.0092674	0.07898606	0.4604193	20	0.59555489
ENSG00000081377	9	CDC14B	99252523	rs2145985	9	99174531	T	C	0.152087	0.00054066	0.0118188	0.963513	-0.40294	0.0626945	1.30E-10	-0.0013418	0.0293322	0.963514	0.6195376	10	0.98687457
ENSG00000224848	9	RP11-535M15.1	99449338	rs7866127	9	99699485	C	G	0.135189	0.0154813	0.0117176	0.186437	-0.829253	0.146919	1.66E-08	-0.018669	0.0145123	0.198294	0.05881139	6	0.70053262
ENSG00000196312	9	HIATL2	99660348	rs9722684	9	99656571	G	A	0.0328032	0.0363968	0.0151546	0.0163189	-0.89602	0.139213	1.22E-10	-0.0406205	0.0180524	0.02443955	0.1328472	15	0.44349033
ENSG00000136943	9	CTSV	99794940	rs6478131	9	100140742	G	A	0.392644	0.0123997	0.00833916	0.137035	-0.570734	0.0903193	2.63E-10	-0.0217259	0.0150104	0.1477868	0.00893146	7	0.66214005
ENSG00000228376	9	RP11-520B13.4	99837953	rs4743072	9	100076081	T	C	0.49006	0.014552	0.00807925	0.0716787	-0.597016	0.0776618	1.50E-14	-0.0243746	0.0138992	0.07948791	0.00633121	20	0.5956888
ENSG00000228038	9	VN1R51P	99855976	rs4743072	9	100076081	T	C	0.49006	0.014552	0.00807925	0.0716787	-0.455493	0.0699934	7.63E-11	-0.0319478	0.0184042	0.08258232	0.00367868	7	0.59786567
ENSG00000213612	9	FAM220CP	99883941	rs6478131	9	100140742	G	A	0.392644	0.0123997	0.00833916	0.137035	-0.541914	0.0941025	8.47E-09	-0.0228813	0.015893	0.1499503	0.00591597	8	0.66214005
ENSG00000159712	9	ANKRD18CP	99918852	rs713066	9	100070810	A	G	0.496024	0.00819661	0.00810763	0.312029	-0.561963	0.0661362	1.94E-17	-0.0145857	0.0145291	0.3154296	0.1125082	16	0.77506398
ENSG00000203279	9	RP11-498P14.5	99962757	rs7869536	9	100152541	G	A	0.387674	0.0104348	0.00831144	0.209307	-0.757656	0.0877292	5.81E-18	-0.0137725	0.0110852	0.2140835	0.01635001	16	0.71970236
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.681667	0.0798491	1.38E-17	0.00130821	0.0118921	0.9124041	0.6742866	7	0.97933547
ENSG00000095383	9	TBC1D2	100961311	rs3739664	9	100979345	C	T	0.565606	0.0133201	0.00814455	0.101952	0.455374	0.051026	4.48E-19	0.0292509	0.0181833	0.107688	0.2292312	20	0.61771552
ENSG00000136824	9	SMC2	106856541	rs4742904	9	106856952	T	C	0.569583	0.00573733	0.00825194	0.486886	-0.684066	0.0622311	4.16E-28	-0.0083871	0.0120872	0.4877551	0.7850368	20	0.8644632
ENSG00000136783	9	NIPSNAP3A	107509969	rs10820731	9	107540809	G	A	0.259443	-0.0157915	0.00887732	0.0752627	-0.527052	0.0710772	1.21E-13	0.0299619	0.0173212	0.0836693	0.8900252	20	0.59987302
ENSG00000226334	9	RP11-217B7.2	107689834	rs2487048	9	107691823	G	A	0.587475	-0.006881	0.00848024	0.417125	-0.701019	0.103336	1.17E-11	0.00981575	0.0121832	0.4204294	0.2953806	9	0.83104717
ENSG00000148143	9	ZNF462	109625378	rs6477554	9	109784999	G	A	0.084493	-0.0159438	0.0139607	0.253434	0.689925	0.108382	1.94E-10	-0.0231095	0.0205582	0.26097	0.8179473	9	0.75616222
ENSG00000204173	9	LRRC37A5P	114353872	rs1570304	9	114401173	T	C	0.555666	0.00311354	0.00847628	0.713377	-0.602902	0.0867649	3.69E-12	-0.0051643	0.0140788	0.7137595	0.00164841	17	0.93557648
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.599193	0.0562711	1.78E-26	-0.0016355	0.0148466	0.9122845	0.1377037	20	0.97933547
ENSG00000230185	9	C9orf147	115196096	rs10283919	9	115241662	C	T	0.5	-0.0029943	0.00809364	0.711413	0.595161	0.098559	1.55E-09	-0.0050311	0.0136246	0.7119294	0.9310994	12	0.93557648
ENSG00000176386	9	CDC26	116018115	rs10981712	9	116046126	C	G	0.280318	-0.0043153	0.00886331	0.626347	-0.481674	0.0775327	5.21E-10	0.00895901	0.0184575	0.6274024	0.6971817	10	0.90645866
ENSG00000136875	9	PRPF4	116037623	rs12338803	9	116025428	C	A	0.252485	-0.0070331	0.00858827	0.412835	0.482525	0.0855115	1.67E-08	-0.0145755	0.0179851	0.4176967	0.3407408	5	0.82995994
ENSG00000095397	9	DFNB31	117164360	rs12002094	9	117190749	G	A	0.78827	-0.0187315	0.00932666	0.0446026	-0.33602	0.0605465	2.86E-08	0.0557452	0.0295179	0.05895554	0.567066	16	0.56212074
ENSG00000233569	9	RP11-500B12.1	120410884	rs55756475	9	120405269	G	C	0.772366	0.00409547	0.012543	0.744034	-0.709583	0.127001	2.31E-08	-0.0057717	0.0177067	0.7444559	0.2585108	3	0.9395596
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.14663	0.0705179	1.89E-59	-0.0077009	0.00713347	0.2803438	0.6544013	20	0.76586676
ENSG00000056558	9	TRAF1	123664671	rs2900180	9	123706382	C	T	0.640159	0.012178	0.00811195	0.133294	0.484868	0.0473013	1.18E-24	0.0251161	0.0169087	0.1374388	0.7133782	20	0.64953202
ENSG00000185585	9	OLFML2A	127539437	rs876663	9	127620141	G	A	0.460239	-0.0115514	0.00860942	0.179687	-0.28746	0.0479855	2.09E-09	0.0401844	0.030692	0.1904398	0.1138572	15	0.69244634
ENSG00000119414	9	PPP6C	127908852	rs650599	9	127849318	C	A	0.312127	-0.019712	0.01062	0.0634352	-0.24797	0.0425871	5.79E-09	0.0794935	0.0449512	0.07698712	0.8663798	5	0.59014687
ENSG00000136856	9	SLC2A8	130159421	rs11794990	9	130171020	G	A	0.248509	0.00413816	0.00832836	0.619276	-0.533718	0.0812067	4.95E-11	-0.0077535	0.015649	0.6202742	0.2795924	3	0.90610189
ENSG00000197958	9	RPL12	130209953	rs2244624	9	130213508	G	A	0.633201	0.00736825	0.00859518	0.391306	0.392869	0.041054	1.07E-21	0.018755	0.0219656	0.3931966	0.1576715	20	0.81370679
ENSG00000136908	9	DPM2	130697378	rs2274426	9	130707081	G	A	0.870775	0.0110131	0.0120252	0.359754	-0.541142	0.079381	9.29E-12	-0.0203516	0.0224215	0.364047	0.1124949	9	0.81292847
ENSG00000228510	9	RP11-339B21.8	131206866	rs75078886	9	131203574	A	C	0.228628	-0.0064477	0.00965622	0.504313	-0.528668	0.0829014	1.81E-10	0.012196	0.018365	0.5066331	0.8550222	10	0.87067964
ENSG00000175287	9	PHYHD1	131683174	rs55758160	9	131685015	G	A	0.410537	0.00364907	0.00834004	0.661723	-0.260997	0.0405353	1.20E-10	-0.0139813	0.0320282	0.6624526	0.1902868	4	0.91799792
ENSG00000119383	9	PPP2R4	131873229	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	-0.472063	0.0856326	3.53E-08	-0.0286678	0.031501	0.3627904	0.3050588	3	0.81273673
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.45355	0.18098	9.62E-16	0.00931031	0.0101564	0.3593044	0.07382831	8	0.81217999
ENSG00000136816	9	TOR1B	132565432	rs55962905	9	132591272	C	T	0.274354	-0.0011203	0.00946166	0.905745	0.527508	0.0836487	2.86E-10	-0.0021238	0.0179397	0.9057614	0.7731788	12	0.97933547
ENSG00000130714	9	POMT1	134378289	rs7867616	9	134406071	G	C	0.837972	0.0143072	0.00982364	0.145282	0.432359	0.0736516	4.35E-09	0.033091	0.0234098	0.1574936	0.5980728	10	0.66726768
ENSG00000130717	9	UCK1	134399188	rs10116598	9	134345023	C	G	0.384692	-0.0024359	0.00831468	0.769547	-0.240588	0.0337878	1.07E-12	0.0101249	0.0345891	0.7697355	0.532379	14	0.94619098
ENSG00000125485	9	DDX31	135468384	rs62576216	9	135584299	A	G	0.196819	-0.0037887	0.0095361	0.691143	0.562789	0.0890554	2.62E-10	-0.0067321	0.0169778	0.6917207	0.6853533	10	0.93305277
ENSG00000165695	9	AK8	135600965	rs2809241	9	135751724	T	C	0.796223	-0.008527	0.0105588	0.419339	0.718714	0.0908926	2.63E-15	-0.0118642	0.0147677	0.4217483	0.6630635	20	0.83155599
ENSG00000148296	9	SURF6	136197552	rs886090	9	136199503	A	G	0.356859	-0.0034593	0.00807883	0.66851	-0.352289	0.0567856	5.51E-10	0.0098195	0.022987	0.6692505	0.1892319	11	0.91826822
ENSG00000148290	9	SURF1	136218610	rs2073932	9	136305439	G	A	0.578529	-0.0069116	0.00843074	0.412326	0.657446	0.0726378	1.42E-19	-0.0105128	0.012876	0.4142344	0.1524146	20	0.82837215
ENSG00000160323	9	ADAMTS13	136279478	rs36222576	9	136319288	C	G	0.333996	0.00322018	0.00836656	0.700321	0.325385	0.055262	3.91E-09	0.00989652	0.0257677	0.7009286	0.02847091	12	0.93377999
ENSG00000187616	9	TMEM8C	136379708	rs13300181	9	136390015	G	A	0.372763	-0.0041811	0.00814161	0.607571	0.547278	0.0974247	1.94E-08	-0.0076398	0.0149386	0.6090626	0.3627344	5	0.90402898
ENSG00000225756	9	DBH-AS1	136519708	rs2097629	9	136519700	G	A	0.409543	0.0184435	0.00840488	0.0282079	-0.39656	0.0617554	1.35E-10	-0.0465087	0.0223978	0.03784917	0.5194347	3	0.47463466
ENSG00000123453	9	SARDH	136528682	rs10761412	9	136519590	C	T	0.429423	0.0208268	0.00820575	0.0111463	0.220752	0.0398045	2.92E-08	0.0943448	0.0408796	0.02100624	0.1453181	15	0.41754437
ENSG00000107147	9	KCNT1	138594031	rs11103189	9	138679863	G	A	0.228628	-0.0173958	0.0109026	0.110588	-0.255824	0.0371021	5.38E-12	0.0679991	0.0437437	0.1200682	0.6354657	15	0.63371996
ENSG00000213221	9	DNLZ	139253932	rs57052773	9	139385701	C	T	0.0367793	-0.0061314	0.0188263	0.744665	1.6146	0.220253	2.29E-13	-0.0037975	0.0116715	0.7449077	0.5128961	6	0.93968041
ENSG00000148384	9	INPP5E	139323071	rs10870194	9	139327034	G	A	0.411531	-0.0013987	0.00851861	0.869583	-0.455073	0.0643036	1.47E-12	0.00307348	0.0187243	0.8696173	0.4048179	16	0.97500756
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-1.00293	0.115847	4.83E-18	-0.0081703	0.0158902	0.6071296	0.2170843	4	0.90402898
ENSG00000177984	9	LCN15	139654086	rs10870122	9	139655429	G	C	0.777336	-0.0152858	0.0087792	0.0816582	-1.01905	0.112386	1.22E-19	0.015	0.00877247	0.08728447	0.9312548	20	0.60671733
ENSG00000184925	9	LCN12	139844003	rs4242708	9	139853341	G	C	0.690855	0.00012728	0.00850262	0.988057	-0.39251	0.0579998	1.31E-11	-0.0003243	0.0216622	0.988057	0.7839584	20	0.99484259
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-1.21415	0.150681	7.77E-16	-0.0029483	0.0193108	0.8786542	0.9709712	16	0.97641549
ENSG00000148362	9	C9orf142	139886870	rs4576515	9	139899352	T	C	0.67495	0.00519769	0.00848344	0.540084	0.244173	0.0392971	5.18E-10	0.0212869	0.0349121	0.542041	0.9144895	4	0.88027458
ENSG00000180539	9	C9orf139	139921916	rs4880189	9	139923265	G	A	0.725646	0.0147153	0.00884536	0.09619	0.410881	0.0732193	2.00E-08	0.035814	0.0224539	0.1107115	0.6487926	6	0.61771552
ENSG00000268996	9	AL807752.1	139980807	rs10118245	9	139979592	T	C	0.32505	0.00098819	0.00853763	0.907855	0.499964	0.0619284	6.84E-16	0.00197651	0.0170782	0.9078643	0.8612691	11	0.97933547
ENSG00000188986	9	NELFB	140149625	rs13296455	9	140157460	C	T	0.736581	-0.0027912	0.00897333	0.75576	0.443681	0.0570434	7.37E-15	-0.006291	0.0202409	0.7559493	0.00470423	8	0.94386409
ENSG00000130653	9	PNPLA7	140354404	rs10746563	9	140444078	C	T	0.447316	0.00739088	0.00829792	0.373095	0.553527	0.0566473	1.49E-22	0.0133523	0.0150531	0.3750717	0.00494465	9	0.8131246
ENSG00000225140	10	RP11-809C18.3	674578	rs10795292	10	688424	C	T	0.905567	0.025426	0.0139276	0.0679125	0.593558	0.0851743	3.20E-12	0.0428366	0.0242564	0.07739721	0.7621976	19	0.59032149
ENSG00000232656	10	IDI2-AS1	1068606	rs4463782	10	1097688	C	T	0.187873	0.00310767	0.0115611	0.788081	0.517128	0.0913553	1.51E-08	0.00600948	0.0223816	0.7883134	0.07014837	8	0.94619098
ENSG00000185736	10	ADARB2	1228073	rs4880801	10	1279503	G	T	0.745527	-0.0040492	0.00892396	0.650013	-0.605924	0.0947821	1.63E-10	0.00668269	0.0147649	0.6508324	0.175381	6	0.91325402
ENSG00000107959	10	PITRM1	3179920	rs76088740	10	3193412	T	C	0.0447316	0.0123085	0.0179728	0.493445	-1.48123	0.179169	1.37E-16	-0.0083097	0.0121753	0.4949211	0.6437109	20	0.86611193
ENSG00000187134	10	AKR1C1	4934796	rs12251296	10	4963488	A	G	0.412525	-3.19E-05	0.00813951	0.996873	0.931532	0.0827037	1.99E-29	-3.42E-05	0.00873777	0.9968729	0.8965589	16	0.99838618
ENSG00000151632	10	AKR1C2	5029967	rs71230207	10	5017641	G	C	0.131213	-0.0041484	0.0119939	0.729436	0.711027	0.111708	1.95E-10	-0.0058344	0.0168933	0.729819	0.3655206	6	0.93735246
ENSG00000225383	10	SFTA1P	10826400	rs11256836	10	10835220	C	T	0.2167	0.0131392	0.00906482	0.147205	0.655042	0.0809192	5.73E-16	0.0200586	0.0140586	0.1536434	0.6636046	20	0.66578807
ENSG00000134463	10	ECHDC3	11784365	rs10906019	10	11839030	A	T	0.451292	-0.0034899	0.00819368	0.670165	-0.524226	0.084669	5.96E-10	0.00665717	0.015667	0.6708974	0.8996465	10	0.91826822
ENSG00000065665	10	SEC61A2	12171636	rs6686	10	12209752	C	T	0.482107	0.0102538	0.00812053	0.206698	-0.245639	0.0448959	4.47E-08	-0.0417434	0.0339278	0.2185623	0.9400968	7	0.72551687
ENSG00000228330	10	RP11-730A19.5	13184185	rs10796029	10	13170872	G	A	0.238569	-0.0123359	0.00863632	0.153184	-0.667569	0.109772	1.19E-09	0.0184788	0.013289	0.1643667	0.7663014	5	0.6673288
ENSG00000065809	10	FAM107B	14560556	rs10906694	10	14590010	G	A	0.851889	-0.0023073	0.0119654	0.847093	-0.258947	0.0375359	5.25E-12	0.0089102	0.046226	0.8471523	0.6298895	8	0.96746596
ENSG00000176236	10	C10orf111	15137384	rs3814172	10	15139109	C	T	0.0457256	-0.0224277	0.0189071	0.235542	-1.04576	0.176914	3.40E-09	0.0214463	0.0184402	0.2448218	0.8708744	9	0.75018932
ENSG00000152465	10	NMT2	15144583	rs78608377	10	15212860	A	G	0.225646	0.00836481	0.00994684	0.400375	-0.504897	0.0839569	1.81E-09	-0.0165674	0.0198924	0.4049305	0.2881642	9	0.82137709
ENSG00000226083	10	SLC39A12-AS1	18290715	rs11012783	10	18425418	G	A	0.420477	-0.0124368	0.00811649	0.125452	0.619525	0.0899443	5.66E-12	-0.0200747	0.0134214	0.1347256	0.5842676	17	0.64953202
ENSG00000240291	10	RP11-499P20.2	18802044	rs7917584	10	18820848	A	G	0.374751	-0.0025852	0.00851019	0.761297	0.503879	0.0804849	3.84E-10	-0.0051306	0.0169092	0.7615689	0.02070243	11	0.94511498
ENSG00000225527	10	RP11-383B4.4	18820778	rs58857018	10	18914007	C	G	0.184891	-0.0061469	0.0104364	0.555872	0.769917	0.140317	4.09E-08	-0.0079838	0.0136331	0.5581318	0.1569517	9	0.88384542
ENSG00000241058	10	NSUN6	18834490	rs11015411	10	18945939	T	G	0.536779	-0.0097524	0.0080614	0.226367	0.47743	0.0514146	1.60E-20	-0.0204269	0.0170277	0.2302827	0.07655475	20	0.73662551
ENSG00000204740	10	C10orf112	19492779	rs2884448	10	19778614	C	G	0.745527	0.0102278	0.011209	0.361525	-0.600147	0.0961421	4.31E-10	-0.0170422	0.0188756	0.3665957	0.6975567	12	0.8131246
ENSG00000233968	10	RP11-354E11.2	19999257	rs7922577	10	20104426	G	A	0.599404	-0.0089505	0.00813331	0.271124	0.599887	0.10223	4.41E-09	-0.0149204	0.0137944	0.2794206	0.2889023	17	0.76523773
ENSG00000150867	10	PIP4K2A	22823778	rs4748810	10	22828363	A	G	0.640159	0.0048446	0.00835917	0.562214	0.218874	0.0371513	3.83E-09	0.0221342	0.038376	0.5640941	0.8595903	15	0.88384542
ENSG00000120539	10	MASTL	27443753	rs882474	10	27477865	T	G	0.602386	0.00532259	0.00850032	0.531207	0.528427	0.0629802	4.85E-17	0.0100725	0.0161308	0.5323472	0.7147377	20	0.88027458
ENSG00000254635	10	WAC-AS1	28811581	rs1034086	10	28934523	C	A	0.567594	-0.0004722	0.0083184	0.954734	-0.304079	0.0445082	8.38E-12	0.0015528	0.027357	0.954736	0.5715358	16	0.98687457
ENSG00000224597	10	PTCHD3P1	29698331	rs7906814	10	29759782	A	C	0.382704	-0.0127136	0.00806546	0.114955	0.552565	0.0672196	2.03E-16	-0.0230083	0.0148623	0.1215991	0.0099202	14	0.6364137
ENSG00000233200	10	RP11-324I22.2	35508822	rs1043583	10	35858665	C	T	0.327038	0.00360731	0.00892778	0.686172	0.817918	0.0968142	2.96E-17	0.00441036	0.0109277	0.6865119	0.9293044	16	0.93003332
ENSG00000271335	10	RP11-324I22.4	35603480	rs2504352	10	35671151	T	C	0.350895	0.00181507	0.00879489	0.836496	0.380662	0.0680698	2.24E-08	0.00476819	0.0231199	0.8366055	0.9116141	10	0.96316192
ENSG00000175395	10	ZNF25	38238500	rs1208685	10	38094190	T	C	0.100398	0.0132389	0.0156097	0.39637	0.344234	0.0595607	7.49E-09	0.038459	0.0458318	0.4013946	0.9911885	3	0.81951022
ENSG00000272983	10	RP11-508N22.12	38426265	rs111702850	10	39113364	T	C	0.0795229	0.00582269	0.0173206	0.736741	-0.991057	0.170024	5.58E-09	-0.0058752	0.0175059	0.7371622	0.9958554	5	0.93797307
ENSG00000215146	10	RP11-313J2.1	42827314	rs2466490	10	42872956	T	A	0.581511	0.0194188	0.00828791	0.019128	0.884959	0.0815212	1.88E-27	0.0219432	0.00958096	0.02200465	0.7757865	20	0.43015016
ENSG00000169826	10	CSGALNACT2	43633934	rs11238476	10	43711436	T	G	0.16998	0.00915681	0.0101175	0.365442	0.883633	0.0789468	4.42E-29	0.0103627	0.0114873	0.3670025	0.04911651	20	0.8131246
ENSG00000150201	10	FXYD4	43867090	rs150076794	10	43892577	C	G	0.112326	0.0213656	0.012821	0.0956225	0.536506	0.084444	2.11E-10	0.0398236	0.0247056	0.1069778	0.5107723	5	0.61771552
ENSG00000172661	10	FAM21C	46222648	rs35267807	10	46202429	C	G	0.33499	-0.0051329	0.00841878	0.542066	-0.638724	0.102152	4.03E-10	0.00803613	0.0132431	0.5439738	0.2062295	14	0.880541
ENSG00000188234	10	AGAP4	46321042	rs2279435	10	45923528	A	C	0.558648	0.00046839	0.00813579	0.95409	0.698588	0.113143	6.64E-10	0.00067048	0.0116466	0.9540919	0.7714243	16	0.98687457
ENSG00000251079	10	BMS1P2	47228366	rs150648084	10	49205171	C	T	0.7833	0.0277651	0.0106133	0.00889529	0.683319	0.120571	1.45E-08	0.0406327	0.0171069	0.01753833	0.02869794	3	0.3923078
ENSG00000226964	10	RHEBP2	47396223	rs57959939	10	47386073	A	C	0.243539	-0.0004369	0.00974389	0.96424	-0.798366	0.132636	1.75E-09	0.00054719	0.0122051	0.9642407	0.1110107	4	0.98687457
ENSG00000188611	10	ASAH2	51942538	rs1133222	10	52516665	T	C	0.750497	0.00178985	0.00851157	0.833446	0.878175	0.085163	6.24E-25	0.00203815	0.00969435	0.8334799	0.4250693	20	0.96017291
ENSG00000226200	10	RP11-50E11.3	52384711	rs6481461	10	52397331	T	C	0.700795	0.0008499	0.00942463	0.928145	-0.523483	0.086994	1.77E-09	-0.0016236	0.0180057	0.9281532	0.5613392	4	0.98448404
ENSG00000185532	10	PRKG1	52750945	rs7893773	10	52916173	T	C	0.501988	-0.0179278	0.00808349	0.0265662	-0.33519	0.0516991	8.96E-11	0.0534855	0.0254881	0.03586539	0.6568812	9	0.46953024
ENSG00000122952	10	ZWINT	58116989	rs72802971	10	58273022	T	C	0.0497018	-0.0102912	0.027049	0.7036	-1.40884	0.21768	9.67E-11	0.00730473	0.0192326	0.7040869	0.00224292	5	0.93408
ENSG00000196932	10	TMEM26	63166401	rs7076426	10	63298945	T	C	0.0387674	0.00311409	0.0155335	0.841108	1.82158	0.328991	3.08E-08	0.00170955	0.00853307	0.8412112	0.5383786	11	0.96582682
ENSG00000183346	10	C10orf107	63422719	rs12765373	10	63432048	A	T	0.0854871	-0.0191766	0.0112911	0.0894376	1.21408	0.112117	2.52E-27	-0.0157952	0.00941382	0.09337244	0.4883955	14	0.61143888
ENSG00000108187	10	PBLD	70042417	rs78041174	10	70038771	A	G	0.198807	-0.0056364	0.00909113	0.535266	0.571642	0.0622803	4.37E-20	-0.00986	0.0159398	0.5361949	0.4142127	20	0.88027458
ENSG00000138346	10	DNA2	70173821	rs7906263	10	70244997	A	C	0.106362	-0.0090509	0.0116971	0.439065	-1.12265	0.122154	3.91E-20	0.00806207	0.010456	0.4406812	0.7072744	20	0.84015584
ENSG00000122912	10	SLC25A16	70237756	rs7906263	10	70244997	A	C	0.106362	-0.0090509	0.0116971	0.439065	0.991401	0.126472	4.54E-15	-0.0091294	0.0118559	0.4412827	0.7711596	20	0.84015584
ENSG00000099282	10	TSPAN15	71211229	rs10823398	10	71270363	A	C	0.446322	0.00470692	0.00822371	0.567078	0.297727	0.0350541	2.01E-17	0.0158095	0.0276843	0.5679559	0.6199779	17	0.88531342
ENSG00000042286	10	AIFM2	71857979	rs4746967	10	71895879	G	A	0.621272	-0.0062252	0.00853927	0.465996	0.493314	0.0692066	1.02E-12	-0.0126192	0.0174003	0.468313	0.8397767	16	0.85004484
ENSG00000079332	10	SAR1A	71907045	rs2310991	10	71931646	A	C	0.459245	0.00156124	0.008054	0.846296	0.294964	0.0518881	1.31E-08	0.00529299	0.0273209	0.8463842	0.1375955	12	0.96746596
ENSG00000180817	10	PPA1	71962586	rs10740329	10	71941253	T	A	0.397614	0.00842437	0.00809734	0.29816	0.276012	0.0455413	1.36E-09	0.0305218	0.029766	0.3051796	0.8547472	10	0.7730656
ENSG00000156574	10	NODAL	72192071	rs10740348	10	72210997	T	C	0.681909	0.0228201	0.00874263	0.00904878	-0.512001	0.0760525	1.67E-11	-0.0445704	0.0183139	0.0149459	0.1991484	17	0.38894064
ENSG00000138316	10	ADAMTS14	72432559	rs10823595	10	72422354	A	G	0.23161	0.00786337	0.00910628	0.387856	0.620398	0.0757671	2.65E-16	0.0126747	0.0147595	0.3904792	0.8200234	20	0.8131246
ENSG00000107736	10	CDH23	73156691	rs58252220	10	73437035	T	C	0.0109344	0.0204771	0.0348558	0.556882	2.0255	0.311278	7.66E-11	0.0101097	0.0172785	0.55848	0.986609	3	0.88384542

ENSG00000166321	10	NUDT13	74870217	rs60532855	10	75156650	A	T	0.055666	-0.0001285	0.0186314	0.994496	-1.14152	0.19139	2.46E-09	0.00011258	0.0163216	0.9944965	0.8542522	5	0.997455
ENSG00000156113	10	KCNMA1	78629359	rs2619621	10	79385070	T	C	0.524851	0.00209279	0.00808806	0.795827	-0.221773	0.0314593	1.80E-12	-0.0094366	0.0364946	0.7959621	0.07902337	4	0.94619098
ENSG00000151208	10	DLG5	79550549	rs10824573	10	79540969	C	T	0.337972	0.00018794	0.00907316	0.983474	0.231202	0.0411554	1.93E-08	0.00081287	0.0392437	0.9834743	0.5277809	4	0.99478294
ENSG00000224596	10	ZMIZ1-AS1	80703085	rs10824709	10	80808527	C	T	0.654076	0.0173416	0.00832037	0.037139	-0.70194	0.102851	8.80E-12	-0.0247052	0.0123938	0.04622279	0.6497619	3	0.51644866
ENSG00000244733	10	RP11-506M13.3	81420647	rs2559675	10	81434293	A	G	0.420477	0.0062308	0.00815258	0.444704	-0.513068	0.0838864	9.58E-10	-0.0121442	0.0160134	0.4482262	0.8330324	17	0.84260552
ENSG00000188199	10	NUTM2B	81462983	rs10749148	10	81596500	T	G	0.576541	-0.0043351	0.00821124	0.59754	0.693304	0.0894275	9.00E-15	-0.0062527	0.0118711	0.5983873	0.7091618	20	0.89730513
ENSG00000225484	10	RP11-773D16.1	81563813	rs1556605	10	81516497	C	G	0.201789	-0.0030379	0.0116447	0.794184	-0.76283	0.110482	5.04E-12	0.00398241	0.015276	0.7943265	0.3656475	20	0.94619098
ENSG00000228570	10	NUTM2E	81601114	rs9783140	10	81570079	G	C	0.832008	-0.0090097	0.00948155	0.341991	-1.15361	0.119998	7.01E-22	0.00781003	0.00825908	0.3443374	0.9907295	20	0.80339547
ENSG00000242600	10	MBL1P	81664654	rs7072441	10	81684075	G	T	0.242545	0.00689475	0.0091793	0.452581	0.586814	0.093589	3.61E-10	0.0117495	0.0157544	0.455796	0.7382479	20	0.84363563
ENSG00000133661	10	SFTPD	81697496	rs4335482	10	81743578	C	T	0.600398	0.0134926	0.00820332	0.100016	0.712888	0.0850089	5.03E-17	0.0189267	0.0117264	0.1065227	0.194095	20	0.61771552
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	0.774185	0.107754	6.73E-13	0.008535	0.0161343	0.5968064	0.5183043	12	0.89681361
ENSG00000133665	10	DYDC2	82104501	rs4146515	10	82116602	A	G	0.564612	-0.012394	0.0081735	0.129429	-0.575399	0.0623988	2.93E-20	0.0215398	0.0143957	0.1345837	0.6073664	20	0.64953202
ENSG00000148600	10	CDHR1	85954410	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.309531	0.0288574	7.67E-27	-0.0355751	0.0270752	0.1888675	0.4568819	17	0.69129172
ENSG00000204033	10	LRIT2	85980254	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.291181	0.0385501	4.24E-14	-0.037817	0.0290002	0.192224	0.3482581	6	0.69251395
ENSG00000148604	10	RGR	86004809	rs2279228	10	86004736	G	A	0.491054	0.00276043	0.0080484	0.731616	0.584653	0.074602	4.62E-15	0.00472148	0.0137793	0.7318612	0.9963389	11	0.93735246
ENSG00000122375	10	OPN4	88414314	rs3740335	10	88419641	A	G	0.137177	-0.0165227	0.0105841	0.118503	-0.944854	0.0938455	7.64E-24	0.017487	0.0113357	0.1229148	0.5699139	14	0.6364137
ENSG00000184923	10	NUTM2A	88985205	rs2478639	10	89093624	T	G	0.813121	-0.0060517	0.0106655	0.570432	0.825005	0.110337	7.60E-14	-0.0073354	0.012965	0.5715393	0.9550204	8	0.88600607
ENSG00000026103	10	FAS	90750414	rs12359362	10	90753145	C	G	0.39165	-0.0091895	0.00825499	0.265618	-0.762961	0.0725501	7.26E-26	0.0120446	0.0108801	0.268283	0.8642456	17	0.75616222
ENSG00000261438	10	RP11-399O19.9	90775593	rs1926196	10	90753748	C	T	0.468191	0.00966633	0.00808051	0.231598	0.436278	0.0733874	2.77E-09	0.0221564	0.0188927	0.2408981	0.8124104	10	0.74968171
ENSG00000235100	10	RP11-80H5.9	91426938	rs745215	10	91429271	T	C	0.468191	0.00708157	0.00805535	0.379339	0.590247	0.103692	1.25E-08	0.0119976	0.0138092	0.384949	0.2306271	8	0.8131246
ENSG00000232229	10	LINC00865	91589267	rs3802651	10	91599043	T	C	0.168986	-0.0071767	0.0110192	0.514861	1.22398	0.103166	1.82E-32	-0.0058634	0.00901632	0.515494	0.8908611	20	0.87335446
ENSG00000148680	10	HTR7	92500578	rs7096981	10	92169621	C	A	0.853877	0.0028777	0.010476	0.783551	-0.549325	0.0938563	4.83E-09	-0.0052386	0.0190917	0.783783	0.3507348	8	0.94619098
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.763222	0.0896512	1.69E-17	-0.0016661	0.0114239	0.8840428	0.9062046	15	0.97641549
ENSG00000148690	10	FRA10AC1	95427640	rs1998840	10	95460373	G	T	0.132207	-0.0175233	0.0146115	0.230419	0.781683	0.110319	1.38E-12	-0.0224174	0.0189582	0.2370217	0.8598646	13	0.74484613
ENSG00000173145	10	NOC3L	96075004	rs12766693	10	96058730	T	C	0.207753	0.00246739	0.0107616	0.818654	0.390028	0.0648826	1.84E-09	0.00632619	0.0276119	0.8187829	0.2707001	10	0.95527264
ENSG00000052749	10	RRP12	99116115	rs11189183	10	99144321	G	A	0.336978	-0.0014401	0.00843742	0.864475	0.28916	0.0391254	1.46E-13	-0.0049803	0.0291868	0.8645111	0.03319063	6	0.97500756
ENSG00000171314	10	PGAM1	99185917	rs77309868	10	99195200	T	C	0.05666	0.041998	0.0178285	0.0184897	-0.675963	0.110063	8.17E-10	-0.0621306	0.0282485	0.02784753	0.574215	5	0.45663232
ENSG00000171160	10	MORN4	99374310	rs10882971	10	99391471	T	G	0.193837	-0.0281645	0.00982781	0.00415958	-0.340813	0.0490577	3.73E-12	0.0826392	0.0311935	0.00806726	0.7972269	4	0.33463226
ENSG00000119943	10	PYROXD2	100143322	rs4400721	10	100147097	A	G	0.262425	-0.0067247	0.00869585	0.439329	0.573946	0.0646079	6.48E-19	-0.0117167	0.0152083	0.4410544	0.8224588	15	0.84015584
ENSG00000107521	10	HPS1	100175955	rs61873921	10	100198988	T	G	0.292247	0.00239891	0.00906561	0.791305	-0.434773	0.0738598	3.95E-09	-0.0055176	0.0208724	0.7915106	0.4171691	8	0.94619098
ENSG00000095485	10	CWF19L1	101992055	rs35614792	10	101934235	T	C	0.428429	-0.0030813	0.00855148	0.718605	0.757707	0.0701362	3.32E-27	-0.0040666	0.0112923	0.7187549	0.0090583	20	0.9357669
ENSG00000196072	10	BLOC1S2	102033713	rs6584357	10	102050344	T	A	0.0576541	0.00385282	0.017285	0.823614	-1.1443	0.0970559	4.39E-32	-0.003367	0.015108	0.8236446	0.02917102	14	0.95584789
ENSG00000055950	10	MRPL43	102729215	rs927302	10	102722916	C	G	0.181909	-0.013937	0.0105426	0.186177	0.338282	0.060214	1.93E-08	-0.0411994	0.0320163	0.1981558	0.2795193	4	0.70053262
ENSG00000269609	10	RP11-18I14.10	104209574	rs77060053	10	104217753	G	A	0.147117	0.0127037	0.0126552	0.315462	-0.439624	0.0764734	8.99E-09	-0.0288967	0.029222	0.322727	0.3835797	17	0.77992358
ENSG00000138111	10	TMEM180	104221149	rs7081467	10	104231662	C	G	0.563618	0.00683675	0.00807387	0.39712	-0.346949	0.0454826	2.38E-14	-0.0197053	0.023414	0.4000089	0.8533077	20	0.81894762
ENSG00000138107	10	ACTR1A	104238986	rs2274351	10	104264107	T	C	0.570577	0.00816073	0.00806915	0.311849	-0.319222	0.0495477	1.17E-10	-0.0255644	0.0255871	0.3177392	0.6877145	20	0.77686125
ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.582771	0.0560872	2.74E-25	0.0064427	0.0168721	0.7025687	0.3014528	20	0.93377999
ENSG00000214435	10	AS3MT	104629273	rs7085104	10	104628873	G	A	0.349901	-0.0166793	0.00860744	0.0526502	-0.584108	0.0812638	6.58E-13	0.0285552	0.0152622	0.06134812	0.3043103	20	0.56212074
ENSG00000065621	10	GSTO2	106028631	rs276204	10	106035313	G	C	0.368787	-0.0128347	0.00868268	0.139355	-0.37356	0.051528	4.18E-13	0.0343578	0.0237213	0.1475069	0.0728487	17	0.66214005
ENSG00000228261	10	RP11-127L20.3	106083127	rs505701	10	106073566	C	T	0.33499	-0.018021	0.00878545	0.0402448	-0.737265	0.0748611	6.96E-23	0.024443	0.012172	0.04462866	0.406269	20	0.51644866
ENSG00000119913	10	TECTB	114043493	rs74848039	10	114049630	T	C	0.0586481	0.0154633	0.0163312	0.343711	0.997629	0.130628	2.22E-14	0.0155001	0.0164953	0.3473909	0.950627	8	0.80417946
ENSG00000232934	10	RP11-324O2.3	114165977	rs2419627	10	114167303	T	C	0.266402	0.0191466	0.00891698	0.0317768	0.694252	0.0964558	6.13E-13	0.0275787	0.0134034	0.03962865	0.2389491	9	0.48050864
ENSG00000165806	10	CASP7	115438942	rs3121483	10	115406485	T	C	0.624254	-0.0156278	0.00831599	0.0602102	-0.348054	0.0510255	9.03E-12	0.0449005	0.024783	0.0700252	0.6947145	14	0.58210547
ENSG00000151892	10	GFRA1	117816444	rs7080212	10	117933516	C	T	0.398608	0.00765458	0.00833527	0.358443	-0.692718	0.0848465	3.23E-16	-0.0110501	0.0121086	0.3614628	0.0921598	12	0.81217999
ENSG00000165650	10	PDZD8	119040000	rs363230	10	119029515	T	C	0.5	0.00710655	0.00806352	0.378144	0.329428	0.046181	9.79E-13	0.0215724	0.0246634	0.3817531	0.04647253	12	0.8131246
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.865064	0.0644856	4.95E-41	0.0128289	0.00947582	0.175783	0.7436929	20	0.67694186
ENSG00000120008	10	WDR11	122610687	rs11199598	10	122610657	C	T	0.328032	-0.0051181	0.00884969	0.563036	-0.497568	0.0729318	8.96E-12	0.0102863	0.0178497	0.5644321	0.9319796	20	0.88384542
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-1.03044	0.0816772	1.72E-36	-0.0029304	0.00815034	0.7191869	0.3657989	16	0.9357669
ENSG00000107902	10	LHPP	126150403	rs113420616	10	126293897	T	G	0.290258	-0.0031818	0.00882094	0.71832	0.361669	0.0528085	7.45E-12	-0.0087974	0.0244233	0.7186939	0.9558051	20	0.9357669
ENSG00000203791	10	METTL10	126436718	rs10901809	10	126410804	T	C	0.343936	0.00718965	0.00850702	0.398031	0.479183	0.063335	3.85E-14	0.015004	0.0178636	0.4009537	0.9268418	20	0.81951022
ENSG00000188690	10	UROS	127477146	rs4256900	10	127511756	T	C	0.44334	0.0199608	0.00814064	0.0142066	-0.72581	0.0519396	2.24E-44	-0.0275014	0.0113873	0.01573102	0.7740132	20	0.39086858
ENSG00000203780	10	FANK1	127585108	rs10160068	10	127623204	T	A	0.322068	-0.018301	0.00821272	0.0258559	-0.485997	0.0793944	9.28E-10	0.0376566	0.0179836	0.03626522	0.2993138	9	0.46953024
ENSG00000170430	10	MGMT	131265448	rs1711667	10	131278410	T	G	0.577535	-0.0052478	0.00809021	0.516554	0.534571	0.0672468	1.87E-15	-0.0098169	0.0151843	0.5179448	0.7310764	20	0.87335446
ENSG00000188385	10	JAKMIP3	133918175	rs954819	10	133957489	A	G	0.305169	0.00945554	0.00875163	0.27995	0.710685	0.0772003	3.39E-20	0.0133048	0.0123989	0.2832412	0.01293111	18	0.76718272
ENSG00000235010	10	RP11-140A10.3	133994729	rs2814165	10	133994747	C	T	0.804175	-0.008703	0.0101878	0.392962	-0.893671	0.111539	1.13E-15	0.00973849	0.0114646	0.3956345	0.2636131	11	0.81505031
ENSG00000148814	10	LRRC27	134145614	rs56678407	10	134167502	A	C	0.11829	-0.0091651	0.0115163	0.426127	0.700993	0.0966573	4.10E-13	-0.0130745	0.0165272	0.4288919	0.8707154	16	0.83699503
ENSG00000229081	10	RP11-432J24.6	134334331	rs12762160	10	134330662	T	C	0.423459	-0.0004228	0.00822217	0.95899	0.398324	0.0661317	1.71E-09	-0.0010614	0.0206427	0.958992	0.09903915	19	0.98687457
ENSG00000232903	10	RP13-137A17.4	134757471	rs78376825	10	134782270	G	A	0.0228628	-0.0020668	0.0409151	0.959713	0.891064	0.157193	1.44E-08	-0.0023195	0.045919	0.9597143	0.9869897	5	0.98687457
ENSG00000224758	10	RP13-137A17.5	134774844	rs9419130	10	134786503	T	C	0.0238569	-0.0027884	0.040957	0.945721	1.27987	0.2196	5.60E-09	-0.0021787	0.0320031	0.9457243	0.9568708	4	0.98685901
ENSG00000148824	10	MTG1	135207598	rs7083614	10	135226236	A	G	0.241551	-0.0060199	0.00969331	0.534575	0.833051	0.0775206	6.18E-27	-0.0072263	0.0116553	0.5352571	0.2066221	14	0.88027458
ENSG00000177963	11	RIC8A	207511	rs7930823	11	206767	A	G	0.307157	-0.0014654	0.00917146	0.873058	0.357879	0.0607029	3.73E-09	-0.0040946	0.0256367	0.8731037	0.340916	5	0.97632232
ENSG00000142082	11	SIRT3	215458	rs10794304	11	246456	A	G	0.729622	-0.0042488	0.00944205	0.65272	-0.274262	0.0488669	2.00E-08	0.0154918	0.0345376	0.653758	0.9925697	8	0.91325402
ENSG00000185627	11	PSMD13	236546	rs7482591	11	245861	C	G	0.729622	-0.0042491	0.00944197	0.652693	-0.487168	0.0632546	1.34E-14	0.00872208	0.0194144	0.6532452	0.9432151	10	0.91325402
ENSG00000142102	11	ATHL1	289135	rs7110174	11	296203	G	A	0.737575	-0.0127667	0.00910254	0.160754	0.535262	0.0698674	1.84E-14	-0.0238513	0.0172884	0.1677056	0.02246453	13	0.67338032
ENSG00000185201	11	IFITM2	307631	rs10751647	11	306884	C	T	0.411531	-0.0041974	0.00857454	0.624475	0.274444	0.0411671	2.62E-11	-0.0152941	0.0313274	0.6254066	0.6194402	5	0.90645866
ENSG00000251661	11	RP11-326C3.11	318640	rs10794308	11	324163	T	C	0.365805	-0.0040437	0.00871584	0.642682	0.70664	0.0821378	7.76E-18	-0.0057225	0.0123521	0.6431646	0.399949	20	0.91325402
ENSG00000142089	11	IFITM3	319669	rs34481144	11	320836	T	C	0.462227	0.00717489	0.00813614	0.377856	-0.24638	0.0342928	6.74E-13	-0.0291212	0.0332706	0.3814186	0.6251987	18	0.8131246
ENSG00000255328	11	RP11-326C3.12	327171	rs34481144	11	320836	T	C	0.462227	0.00717489	0.00813614	0.377856	0.894683	0.0835051	8.74E-27	0.00801948	0.00912463	0.3794651	0.8172942	20	0.8131246
ENSG00000270972	11	RP11-326C3.15	333192	rs34481144	11	320836	T	C	0.462227	0.00717489	0.00813614	0.377856	0.613136	0.0914228	1.99E-11	0.011702	0.0133839	0.3819395	0.6738175	11	0.8131246
ENSG00000185187	11	SIGIRR	405716	rs35828848	11	403545	T	C	0.217694	-0.007046	0.00975895	0.47029	-0.596559	0.0769019	8.67E-15	0.0118111	0.0164294	0.4722026	0.2921746	7	0.85209756
ENSG00000185101	11	ANO9	417933	rs2734242	11	258646	T	G	0.101392	0.0178382	0.0120398	0.138446	1.02353	0.172198	2.78E-09	0.0174281	0.0121229	0.1505434	0.4498733	5	0.66214005
ENSG00000174775	11	HRAS	532242	rs61877775	11	521462	T	C	0.0805169	0.00337497	0.0144516	0.815346	-0.403629	0.0545647	1.39E-13	-0.0083616	0.035822	0.8154355	0.6312506	20	0.95462281
ENSG00000161328	11	LRRC56	537527	rs1870725	11	539646	T	G	0.319085	0.00257346	0.00896369	0.774037	0.193411	0.035179	3.84E-08	0.0133057	0.0464084	0.7743362	0.2616771	13	0.94619098
ENSG00000254815	11	RP11-496I9.1	557595	rs12628	11	534242	G	A	0.312127	0.0009326	0.00897372	0.917228	0.372614	0.0608272	9.02E-10	0.00250287	0.0240866	0.9172399	0.6463573	20	0.97960182
ENSG00000177042	11	TMEM80	695428	rs10794333	11	693787	G	A	0.574553	0.00267391	0.00808863	0.740966	-0.931177	0.0821563	8.88E-30	-0.0028715	0.00869015	0.7410706	0.2842913	20	0.93842865
ENSG00000255284	11	AP006621.5	777578	rs7104929	11	784340	G	C	0.445328	0.0004775	0.00809258	0.952948	0.809691	0.079559	2.51E-24	0.00058973	0.00999482	0.9529493	0.2307013	20	0.98687457
ENSG00000177666	11	PNPLA2	818902	rs1138693	11	824789	C	T	0.705765	0.0116865	0.00928192	0.208007	-0.437108	0.0649775	1.73E-11	-0.026736	0.0216036	0.2158752	0.7640306	8	0.72296276
ENSG00000177697	11	CD151	832843	rs61876748	11	833262	G	T	0.7167	-0.0184857	0.0100093	0.0647679	0.697163	0.0627764	1.18E-28	-0.0265156	0.0145544	0.06848048	0.6222967	12	0.5810831
ENSG00000184956	11	MUC6	1012821	rs11246375	11	999620	C	T	0.568588	0.00577751	0.00807308	0.474206	-0.355849	0.0650538	4.50E-08	-0.0162358	0.0228802	0.4779497	0.01921349	6	0.85504619
ENSG00000254872	11	RP13-870H17.3	1049880	rs72850167	11	970847	T	C	0.109344	-0.0055572	0.0151832	0.71436	0.593657	0.0837802	1.38E-12	-0.0093609	0.0256098	0.7147239	0.1023288	12	0.93557648
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.691966	0.0547426	1.26E-36	0.0143831	0.0120587	0.2329637	0.7513128	20	0.74250145
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.98247	0.0966581	2.86E-24	-0.0005184	0.0111074	0.9627716	0.7389516	6	0.98687457
ENSG00000226416	11	MRPL23-AS1	2004467	rs7483477	11	1920255	G	T	0.245527	-0.0003023	0.00961203	0.974912	0.628765	0.104065	1.52E-09	-0.0004807	0.0152874	0.9749128	0.5978648	3	0.99107604
ENSG00000005801	11	ZNF195	3360491	rs11026708	11	3378063	A	G	0.789264	0.00593302	0.00990095	0.549015	0.481314	0.0823286	5.03E-09	0.0123267	0.0206784	0.5510989	0.9880937	9	0.88223002
ENSG00000167311	11	ART5	3659733	rs3813888	11	3663422	G	A	0.409543	-0.004291	0.00866927	0.620623	-0.69186	0.0871195	2.00E-15	0.00620214	0.0125547	0.6212996	0.7860169	18	0.90610189
ENSG00000167325	11	RRM1	4115937	rs12806698	11	4115974	A	C	0.2833	0.00289706	0.00844048	0.731422	0.574552	0.081927	2.33E-12	0.00504229	0.0147081	0.7317311	0.4232163	20	0.93735246
ENSG00000132259	11	CNGA4	6255995	rs77094397	11	6256668	G	A	0.0188867	0.0261372	0.0225678	0.246797	1.77702	0.246465	5.59E-13	0.0147084	0.0128626	0.2528292	0.1092774	4	0.75616222
ENSG00000166341	11	DCHS1	6642556	rs12294943	11	6679132	C	T	0.16004	-0.0178262	0.0102329	0.0814986	0.492494	0.0707185	3.30E-12	-0.0361958	0.0214179	0.0910324	0.9977547	5	0.60921089
ENSG00000175390	11	EIF3F	7991798	rs10839962	11	8018554	C	T	0.156064	0.0105491	0.0111294	0.343201	0.374297	0.0606114	6.60E-10	0.0281838	0.0300824	0.3488168	0.4196469	6	0.80500918
ENSG00000130413	11	STK33	8413418	rs12226069	11	8539069	T	C	0.238569	0.0051622	0.00922049	0.575574	-0.25684	0.0448479	1.02E-08	-0.0200989	0.0360709	0.577387	0.947271	6	0.88600607
ENSG00000166436	11	TRIM66	8633584	rs35104495	11	8714275	C	T	0.382704	-0.0030296	0.00816122	0.710475	0.329388	0.0516941	1.87E-10	-0.0091976	0.0248189	0.7109443	0.1320579	4	0.93557648
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	1.18431	0.113734	2.16E-25	0.00978874	0.0088016	0.2660718	0.3692606	20	0.75616222
ENSG00000166478	11	ZNF143	9481866	rs7483667	11	9497184	G	T	0.452286	-0.0200488	0.00852769	0.0187215	-0.36653	0.0571141	1.39E-10	0.0546989	0.0247781	0.02727571	0.07677047	13	0.45557341
ENSG00000133805	11	AMPD3	10329860	rs11042812	11	10474010	A	G	0.455268	-0.0085052	0.00813845	0.295996	0.482522	0.0537354	2.72E-19	-0.0176264	0.0169803	0.2992462	0.6772381	20	0.77288957
ENSG00000177112	11	MRVI1-AS1	10562819	rs1462941	11	10563090	T	G	0.0954274	-0.0038471	0.0149741	0.797244	-1.18221	0.130852	1.64E-19	0.00325415	0.0126713	0.7973235	0.4671398	7	0.94705994
ENSG00000187486	11	KCNJ11	17407406	rs2237989	11	17442745	G	T	0.159046	-0.0073442	0.00990306	0.458325	0.482524	0.0789376	9.79E-10	-0.0152203	0.0206739	0.4616036	0.3747658	3	0.84943772
ENSG00000006071	11	ABCC8	17414432	rs985136	11	17497794	G	C	0.486083	0.00201342	0.00865299	0.816006	0.463631	0.0557134	8.67E-17	0.00434272	0.0186708	0.8160767	0.3935146	7	0.95462281
ENSG00000166788	11	SAAL1	18091482	rs7943725	11	18096091	T	C	0.260437	0.00502498	0.00900036	0.576634	-0.758864	0.10811	2.23E-12	-0.0066217	0.0118978	0.5778342	0.9852281	17	0.88600607
ENSG00000110768	11	GTF2H1	18343842	rs4150653	11	18374782	A	G	0.708748	-0.0054954	0.0088941	0.536658	0.498411	0.0707014	1.80E-12	-0.0110259	0.0179133	0.5382146	0.4699054	9	0.88027458
ENSG00000166796	11	LDHC	18433854	rs11605386	11	18433720	G	C	0.115308	0.0315272	0.0136316	0.0207339	1.47028	0.139449	5.45E-26	0.021443	0.00949187	0.02387782	0.7011852	15	0.44349033
ENSG00000109854	11	HTATIP2	20385231	rs10437608	11	20385606	A	G	0.538767	0.0017171	0.00807793	0.831665	0.603856	0.0541688	7.35E-29	0.00284356	0.0133797	0.831695	0.08863082	20	0.96017291
ENSG00000171714	11	ANO5	22214722	rs10766929	11	22299077	G	T	0.671968	0.0087386	0.00914732	0.339417	-0.356998	0.0611427	5.26E-09	-0.024478	0.0259636	0.3457924	0.8910856	6	0.80339547
ENSG00000148942	11	SLC5A12	26688566	rs61877059	11	26604143	A	G	0.0318091	0.00578353	0.0190397	0.761311	0.822741	0.0918693	3.38E-19	0.00702959	0.0231551	0.7614425	0.2243974	20	0.94511498
ENSG00000254532	11	RP11-624D11.2	30065605	rs1222211	11	30362239	C	A	0.22167	0.0129771	0.0104641	0.214917	0.900243	0.126388	1.06E-12	0.0144151	0.0117985	0.221793	0.2102844	5	0.72890626
ENSG00000066382	11	MPPED2	30406040	rs111959436	11	30606936	A	G	0.119284	-0.0104445	0.0127667	0.413295	-0.262899	0.0457096	8.85E-09	0.0397282	0.04905	0.4179677	0.9670733	4	0.82995994
ENSG00000176148	11	TCP11L1	33060963	rs10430948	11	33077466	C	T	0.589463	-0.0059011	0.00811544	0.467139	0.420159	0.0536547	4.85E-15	-0.0140448	0.0193983	0.4690495	0.1047045	12	0.85004484
ENSG00000085063	11	CD59	33719807	rs831636	11	33739598	A	G	0.296223	0.0022535	0.00831322	0.786334	-0.246957	0.0448083	3.56E-08	-0.0091251	0.0337033	0.7865856	0.1008001	5	0.94619098
ENSG00000121691	11	CAT	34460472	rs6484722	11	34488830	T	C	0.215706	0.0032712	0.00997769	0.743024	-0.477711	0.0774888	7.05E-10	-0.0068477	0.020916	0.7433738	0.7411806	11	0.93954189
ENSG00000149089	11	APIP	34874641	rs3852516	11	34964491	G	A	0.328032	0.00359698	0.00922847	0.696707	0.924447	0.0638227	1.52E-47	0.00389095	0.00998631	0.696811	0.1632013	20	0.93377999
ENSG00000110435	11	PDHX	34937376	rs11032943	11	34967328	G	A	0.437376	0.014202	0.00835745	0.0892586	0.237213	0.043501	4.95E-08	0.0598702	0.0369029	0.1047239	0.2742177	4	0.61771552
ENSG00000149084	11	HSD17B12	43577986	rs10400343	11	43832505	A	G	0.66998	-0.00508	0.00861838	0.555572	0.727476	0.051291	1.16E-45	-0.006983	0.0118572	0.5559116	0.263155	20	0.88323342
ENSG00000166199	11	ALKBH3	43902361	rs3740983	11	43908104	G	T	0.236581	-0.0344992	0.00903596	0.00013455	0.436619	0.0713302	9.29E-10	-0.0790144	0.0243911	0.00119749	0.7022081	8	0.15048433
ENSG00000110455	11	ACCS	44087475	rs2074038	11	44087989	T	G	0.120278	-0.0112831	0.0145612	0.438414	1.11108	0.134588	1.51E-16	-0.0101551	0.0131631	0.4404205	0.2921966	14	0.84015584
ENSG00000085117	11	CD82	44585977	rs2303865	11	44636833	A	G	0.132207	0.0190703	0.0116999	0.103112	0.533116	0.0883916	1.63E-09	0.0357714	0.0227336	0.1156016	0.3962612	4	0.62351589
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	1.16263	0.121248	8.91E-22	-0.006602	0.0093664	0.4808954	0.1869095	12	0.85575385
ENSG00000205106	11	CTD-2210P24.4	45792983	rs10444288	11	45828895	C	G	0.189861	0.0151465	0.00945593	0.1092	0.450618	0.0762745	3.47E-09	0.0336127	0.021742	0.1221088	0.07577806	5	0.6364137
ENSG00000109919	11	MTCH2	47638867	rs66749409	11	47568074	T	C	0.356859	-0.0247064	0.0084237	0.00335745	0.405646	0.0531302	2.26E-14	-0.0609063	0.0222457	0.00618338	0.00669965	14	0.32635901
ENSG00000086205	11	FOLH1	49168187	rs595234	11	49201668	G	C	0.275348	0.00752592	0.00863471	0.383433	0.21051	0.036329	6.85E-09	0.0357509	0.0414795	0.388746	0.4891273	20	0.8131246
ENSG00000205035	11	RP11-707M1.1	49580098	rs1794161	11	49898825	C	A	0.592445	0.00940357	0.00818342	0.250515	0.458602	0.053162	6.33E-18	0.0205049	0.0180019	0.2546868	0.2950818	15	0.75616222
ENSG00000255190	11	TRIM51DP	49896497	rs7942645	11	50106246	G	A	0.524851	0.00858303	0.00812661	0.290893	0.800448	0.0853576	6.75E-21	0.0107228	0.0102168	0.2939351	0.6869534	9	0.77262895
ENSG00000134809	11	TIMM10	57295936	rs2848626	11	57283988	T	C	0.791252	-0.0046482	0.0102583	0.650462	-0.56584	0.056394	1.08E-23	0.00821474	0.0181478	0.6507953	0.06009334	20	0.91325402
ENSG00000214872	11	SMTNL1	57308979	rs2729373	11	57325251	A	C	0.44334	-0.0007904	0.00807984	0.922068	0.568035	0.0867995	5.98E-11	-0.0013915	0.0142258	0.922077	0.1409326	5	0.9831448
ENSG00000166928	11	MS4A14	60146003	rs1062167	11	60161527	G	A	0.729622	-0.0170026	0.00871068	0.0509472	0.499477	0.0775956	1.22E-10	-0.0340408	0.0182238	0.06177151	0.4097024	14	0.56212074
ENSG00000110104	11	CCDC86	60609544	rs537024	11	60614346	C	T	0.71173	0.0223828	0.00965652	0.020455	-0.554803	0.075996	2.87E-13	-0.0403437	0.0182615	0.02715963	0.5884728	13	0.45557341
ENSG00000187049	11	TMEM216	61159159	rs729404	11	61221118	G	A	0.854871	0.0341325	0.0125759	0.00664508	-0.431003	0.0688854	3.93E-10	-0.0791932	0.0318052	0.01277632	0.06341023	12	0.36421138
ENSG00000167994	11	RAB3IL1	61664773	rs2727258	11	61690183	A	G	0.454274	-0.0150419	0.00864931	0.08202	-0.263056	0.0448445	4.47E-09	0.0571814	0.0342947	0.09544411	0.3215063	5	0.61356312
ENSG00000149499	11	EML3	62369690	rs12798970	11	62380119	G	C	0.681909	0.0115162	0.00937543	0.219321	-0.260226	0.0344169	4.00E-14	-0.0442546	0.0365004	0.2253429	0.5302347	13	0.72892317
ENSG00000149743	11	TRPT1	63991271	rs11549691	11	63993287	T	C	0.0636183	0.00146154	0.0182843	0.93629	-0.665305	0.0969924	6.92E-12	-0.0021968	0.0274844	0.9362939	0.580768	8	0.9855112
ENSG00000257086	11	RP11-783K16.13	64014411	rs7478730	11	64018827	T	C	0.177932	0.012168	0.0105678	0.249557	0.65761	0.113361	6.59E-09	0.0185034	0.0163835	0.2587334	0.3361208	9	0.75616222
ENSG00000219435	11	TEX40	64067863	rs12808002	11	64110932	T	C	0.159046	0.0154442	0.0111756	0.166985	-0.613728	0.0945439	8.50E-11	-0.0251646	0.0186174	0.176482	0.7519139	9	0.67694186
ENSG00000168071	11	CCDC88B	64107695	rs479552	11	64110683	C	G	0.371769	-0.0134796	0.00819479	0.0999908	-0.375623	0.0539305	3.29E-12	0.035886	0.0224167	0.1094079	0.733795	9	0.61771552
ENSG00000110025	11	SNX15	64794880	rs678614	11	64799894	C	A	0.705765	0.0181046	0.00864378	0.0362135	0.441962	0.0686244	1.19E-10	0.0409642	0.0205661	0.04638933	0.1310435	5	0.51644866
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-1.13915	0.104908	1.81E-27	0.0109642	0.00783888	0.1619035	0.02449313	14	0.66726768
ENSG00000245532	11	NEAT1	65190245	rs613316	11	65195255	A	G	0.750497	-0.0038403	0.0108369	0.723059	-0.6176	0.0637326	3.31E-22	0.00621809	0.0175585	0.7232378	0.1051858	17	0.93728518
ENSG00000172803	11	SNX32	65601112	rs17854357	11	65601560	C	G	0.161034	0.0109134	0.012092	0.366773	0.438792	0.0627811	2.76E-12	0.0248715	0.0277863	0.3707344	0.5658259	7	0.8131246
ENSG00000172500	11	FIBP	65651212	rs585557	11	65663547	G	A	0.193837	0.0123575	0.0109253	0.258018	0.365621	0.0603508	1.38E-09	0.0337987	0.0303978	0.2661908	0.3962237	4	0.75616222
ENSG00000087365	11	SF3B2	65818200	rs491618	11	65825951	A	T	0.27336	0.00170095	0.00865333	0.844167	-0.277341	0.0459241	1.55E-09	-0.0061331	0.0312176	0.8442486	0.5640095	4	0.96700176
ENSG00000255320	11	RP11-755F10.1	66012311	rs2298468	11	66042962	A	G	0.173956	-0.0285614	0.0105718	0.00689954	1.3036	0.121679	8.80E-27	-0.0219096	0.00836358	0.00880204	0.08584208	18	0.34100144
ENSG00000174165	11	ZDHHC24	66288108	rs57724777	11	66236431	A	G	0.242545	0.00136319	0.0083189	0.869836	-0.577762	0.0893382	9.99E-11	-0.0023594	0.0144031	0.8698775	0.1239459	10	0.97500756
ENSG00000174080	11	CTSF	66330934	rs59829960	11	66338867	A	G	0.239563	0.00074396	0.00833721	0.928896	0.41752	0.059717	2.72E-12	0.00178185	0.01997	0.9289023	0.1746754	11	0.98488275
ENSG00000173715	11	C11orf80	66511922	rs55981088	11	66615012	T	C	0.106362	0.0169038	0.022994	0.462255	-0.592172	0.096606	8.80E-10	-0.0285454	0.0391082	0.4654457	0.6836213	4	0.85004484
ENSG00000173156	11	RHOD	66824289	rs114895445	11	66824261	T	C	0.0745527	0.0203874	0.0152377	0.18091	-0.880346	0.106463	1.35E-16	-0.0231584	0.0175339	0.1865747	0.4591056	5	0.68770868
ENSG00000172613	11	RAD9A	67159176	rs76335321	11	67097778	C	T	0.0646123	0.0257055	0.0181558	0.156826	0.628278	0.0943188	2.72E-11	0.0409142	0.0295433	0.1660856	0.00861629	12	0.67018333
ENSG00000084207	11	GSTP1	67351066	rs4930444	11	67342580	A	G	0.411531	0.00208487	0.00848228	0.805844	-0.237877	0.0308671	1.29E-14	-0.0087645	0.0356764	0.8059406	0.1303788	18	0.94949877
ENSG00000160172	11	FAM86C2P	67559119	rs11227976	11	67581884	A	G	0.600398	0.00394776	0.00835124	0.636416	-0.456768	0.0728845	3.68E-10	-0.0086428	0.0183353	0.637372	0.357912	9	0.91117265
ENSG00000255306	11	RP5-901A4.1	67792277	rs12273861	11	67813573	T	G	0.242545	-0.0094948	0.00986784	0.33595	0.736152	0.124903	3.77E-09	-0.0128979	0.0135821	0.3423015	0.01503515	6	0.80339547
ENSG00000197345	11	MRPL21	68658744	rs2444765	11	68655063	A	C	0.300199	-0.0082148	0.00832727	0.323894	-0.847132	0.0624954	7.39E-42	0.00969713	0.00985595	0.3251717	0.5536692	20	0.78367865
ENSG00000132740	11	IGHMBP2	68671310	rs646586	11	68681653	G	A	0.317097	-0.0023254	0.008269	0.778542	0.467284	0.0634202	1.73E-13	-0.0049764	0.0177088	0.7786994	0.1097808	20	0.94619098
ENSG00000131626	11	PPFIA1	70116806	rs576588	11	70238887	G	T	0.346918	0.00148229	0.00820369	0.856614	-0.23638	0.0418617	1.64E-08	-0.0062708	0.0347233	0.8566868	0.8868217	3	0.9711325
ENSG00000254682	11	RP11-660L16.2	71159720	rs3794060	11	71187679	T	C	0.700795	0.00714827	0.00824939	0.386204	0.933799	0.0696107	4.97E-41	0.00765504	0.00885264	0.3871931	0.3119575	20	0.8131246
ENSG00000172890	11	NADSYN1	71164155	rs7928249	11	71161063	G	A	0.703777	0.00804179	0.00823186	0.328613	0.380172	0.0534552	1.14E-12	0.021153	0.0218563	0.333133	0.7622084	9	0.7970426
ENSG00000244411	11	KRTAP5-7	71238313	rs12808183	11	71228117	G	A	0.764414	0.00549528	0.00857805	0.52177	0.580949	0.0985542	3.75E-09	0.00945914	0.0148525	0.5242087	0.9152735	4	0.87471206

ENSG00000241233	11	KRTAP5-8	71249071	rs12808183	11	71228117	G	A	0.764414	0.00549528	0.00857805	0.52177	0.647804	0.100793	1.30E-10	0.00848294	0.0133074	0.5238238	0.3792119	10	0.87471206
ENSG00000254997	11	KRTAP5-9	71259466	rs9651754	11	71279222	A	T	0.469185	0.00366289	0.00815696	0.653395	-0.544998	0.0775654	2.12E-12	-0.0067209	0.0149975	0.6540546	0.9938848	10	0.91325402
ENSG00000204572	11	KRTAP5-10	71276609	rs10898211	11	71210677	C	T	0.188867	-0.0042953	0.00906335	0.635555	0.734835	0.113565	9.76E-11	-0.0058453	0.0123669	0.6364572	0.2295994	6	0.91085171
ENSG00000227467	11	RP11-169D4.1	72281704	rs61522071	11	72283586	T	G	0.382704	0.00657489	0.00873393	0.451571	0.504205	0.0687544	2.24E-13	0.0130401	0.0174132	0.4539396	0.3439435	13	0.84363563
ENSG00000214530	11	STARD10	72465774	rs519790	11	72504141	G	C	0.281312	-0.00665	0.00914589	0.467165	0.567445	0.0592129	9.42E-22	-0.0117192	0.016164	0.4684419	0.3902128	20	0.85004484
ENSG00000175575	11	PAAF1	73587744	rs7942963	11	73615599	A	G	0.0815109	-0.010621	0.0179452	0.553948	-0.941547	0.0838341	2.87E-29	0.0112804	0.0190857	0.5544954	0.1113658	16	0.88290059
ENSG00000175567	11	UCP2	73685712	rs673494	11	73682509	A	G	0.390656	0.00064263	0.00808694	0.936662	0.457577	0.0705755	8.96E-11	0.00140443	0.0176747	0.9366671	0.1345218	14	0.9855112
ENSG00000054938	11	CHRDL2	74407474	rs4584608	11	74325648	G	A	0.832008	-0.0058304	0.00904455	0.519167	-0.685827	0.110698	5.81E-10	0.00850124	0.013259	0.5214137	0.5839083	11	0.8735594
ENSG00000166435	11	XRRA1	74518784	rs10793107	11	74695175	G	T	0.285288	0.0009533	0.00856259	0.911352	1.29044	0.0830348	1.83E-54	0.00073874	0.00663557	0.9113543	0.4509514	20	0.97933547
ENSG00000241170	11	RP11-147I3.1	74587331	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	-0.861927	0.0715156	1.89E-33	-0.0010958	0.00993466	0.9121732	0.3919259	20	0.97933547
ENSG00000255135	11	RP11-111M22.3	76152382	rs113130900	11	76152515	T	C	0.0457256	0.0113897	0.0176949	0.519788	-1.10877	0.129662	1.22E-17	-0.0102724	0.0160042	0.520967	0.6934761	6	0.8735594
ENSG00000159063	11	ALG8	77811982	rs7122205	11	77770232	C	G	0.447316	0.0150458	0.00807529	0.0624367	0.50325	0.0645047	6.11E-15	0.0298973	0.0164975	0.06995101	0.06449617	19	0.58210547
ENSG00000246174	11	KCTD21-AS1	77850817	rs7101694	11	77853896	T	C	0.464215	0.0142124	0.00807694	0.0784711	-0.537489	0.0799031	1.73E-11	-0.0264422	0.0155328	0.08869034	0.4955897	8	0.60921089
ENSG00000188997	11	KCTD21	77882295	rs1144764	11	77870486	T	C	0.527833	-0.0156075	0.00807145	0.0531545	-0.46152	0.05756	1.07E-15	0.0338176	0.0179902	0.06013861	0.04149874	20	0.56212074
ENSG00000137513	11	NARS2	78147007	rs10793337	11	78285875	T	A	0.767396	-0.0031873	0.00890594	0.720427	0.673493	0.0910839	1.42E-13	-0.0047325	0.013239	0.7207411	0.6096592	6	0.9365021
ENSG00000137500	11	CCDC90B	82970139	rs8789	11	82973004	T	C	0.405567	-0.0021637	0.00822749	0.792562	-0.269211	0.0376228	8.33E-13	0.00803723	0.0305821	0.7926986	0.2335092	13	0.94619098
ENSG00000166575	11	TMEM135	86748886	rs118158501	11	87020311	C	G	0.0337972	-0.0054651	0.0272937	0.841298	-0.817311	0.141906	8.43E-09	0.00668668	0.0334147	0.8413929	0.1729425	6	0.96582682
ENSG00000077616	11	NAALAD2	89864683	rs10765278	11	89948871	C	T	0.485089	-0.0075396	0.00809405	0.351596	-0.434361	0.0623946	3.37E-12	0.0173579	0.0188005	0.3558663	0.9260585	20	0.81042939
ENSG00000166004	11	KIAA1731	93394805	rs10741470	11	93398596	A	G	0.989066	-0.0068748	0.132025	0.958471	-0.958249	0.174742	4.16E-08	0.00717428	0.137784	0.9584735	0.6476137	3	0.98687457
ENSG00000182919	11	C11orf54	93474757	rs602242	11	93490219	C	G	0.634195	0.00393727	0.00845055	0.641273	-0.527787	0.0583966	1.60E-19	-0.00746	0.0160325	0.641716	0.2103102	11	0.91325402
ENSG00000020922	11	MRE11A	94152895	rs680695	11	94212154	G	A	0.33499	-0.009451	0.00848404	0.265291	0.77372	0.0741213	1.65E-25	-0.012215	0.0110275	0.2679991	0.4054448	20	0.75616222
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	0.937478	0.0748576	5.55E-36	0.0117403	0.0130115	0.3668956	0.9600255	20	0.8131246
ENSG00000110660	11	SLC35F2	107661717	rs11603925	11	107729205	G	C	0.44831	0.0135617	0.00806223	0.0925444	0.723424	0.085226	2.10E-17	0.0187465	0.0113613	0.09893477	0.752873	20	0.61356312
ENSG00000204381	11	LAYN	111411005	rs542275	11	111431614	T	C	0.592445	0.0095849	0.00868478	0.269748	0.443208	0.0471116	5.08E-21	0.0216262	0.0197296	0.2730235	0.141885	19	0.76018963
ENSG00000137713	11	PPP2R1B	111597632	rs615642	11	111649421	A	G	0.624254	0.0135583	0.00832203	0.10327	-0.469903	0.0655156	7.37E-13	-0.0288534	0.0181613	0.1121204	0.6326657	20	0.61771552
ENSG00000197580	11	BCO2	112046190	rs11214138	11	112084061	C	T	0.262425	-0.0020484	0.00914525	0.822767	-0.467545	0.0611583	2.09E-14	0.00438123	0.0195685	0.8228419	0.9256328	11	0.95584789
ENSG00000149292	11	TTC12	113185251	rs3897583	11	113160199	T	C	0.666004	-0.0098492	0.00859145	0.251631	-0.712629	0.0854629	7.53E-17	0.0138209	0.0121694	0.2560765	0.5163221	20	0.75616222
ENSG00000166682	11	TMPRSS5	113558272	rs7114297	11	113591402	A	G	0.302187	0.00285356	0.00860488	0.740176	1.0262	0.0847321	9.22E-34	0.00278071	0.00838833	0.7402692	0.195396	20	0.93797307
ENSG00000118181	11	RPS25	118886422	rs3802881	11	118890022	T	C	0.0944334	0.00701796	0.0120211	0.559353	-0.451134	0.0684889	4.49E-11	-0.0155563	0.0267509	0.5608874	0.108291	6	0.88384542
ENSG00000196655	11	TRAPPC4	118889142	rs11006	11	118895202	G	A	0.229622	-0.0032697	0.0095136	0.731078	0.789108	0.0668374	3.62E-32	-0.0041436	0.0120613	0.731188	0.07170507	20	0.93735246
ENSG00000160695	11	VPS11	118938403	rs1177562	11	118949331	T	C	0.361829	-0.0090419	0.00869284	0.298267	-0.516435	0.0577455	3.78E-19	0.0175083	0.0169459	0.3015138	0.1053939	7	0.77288957
ENSG00000256269	11	HMBS	118955576	rs1168569	11	118947168	G	A	0.364811	-0.0069817	0.00884227	0.429774	0.403287	0.0607623	3.20E-11	-0.0173119	0.0220801	0.4330106	0.9532925	3	0.83899778
ENSG00000110395	11	CBL	119076752	rs7129276	11	119117061	C	G	0.247515	-0.005876	0.00938892	0.531416	0.350938	0.0601835	5.51E-09	-0.0167437	0.0269074	0.5337635	0.7895848	8	0.88027458
ENSG00000184232	11	OAF	120081475	rs12791393	11	120058902	T	C	0.295229	-0.0106146	0.00901341	0.238936	-0.274846	0.0452582	1.26E-09	0.0386202	0.0334053	0.2476369	0.08892903	7	0.75018932
ENSG00000255248	11	RP11-166D19.1	121899063	rs2241490	11	121970780	T	C	0.250497	0.0070013	0.00904264	0.438781	0.421223	0.0650252	9.30E-11	0.0166214	0.0216204	0.4420227	0.3376699	10	0.84015584
ENSG00000255219	11	RP11-716H6.2	122165898	rs526084	11	122186263	T	A	0.527833	-0.0314685	0.00815469	0.00011388	0.667034	0.102661	8.17E-11	-0.0471768	0.0142189	0.000907	0.1005819	16	0.15048433
ENSG00000166261	11	ZNF202	123594885	rs1144503	11	123602657	C	T	0.575547	-0.0086419	0.00805593	0.283389	-0.439567	0.07305	1.77E-09	0.01966	0.0186159	0.2909285	0.6396676	10	0.77007052
ENSG00000245498	11	RP11-677M14.7	124670346	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.476307	0.0678948	2.29E-12	-0.009859	0.0184646	0.5933835	0.1941781	6	0.89561036
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.783444	0.0886432	9.73E-19	-0.0059939	0.0112138	0.5929871	0.2559686	9	0.89561036
ENSG00000109832	11	DDX25	125773271	rs79013855	11	125773418	G	C	0.256461	0.0032216	0.00951011	0.734795	0.345771	0.0422039	2.55E-16	0.00931715	0.0275276	0.735012	0.9350076	20	0.93797307
ENSG00000110074	11	FOXRED1	126138950	rs682991	11	126167696	C	T	0.776342	0.0200021	0.0097409	0.0400322	0.615785	0.0687692	3.42E-19	0.0324823	0.0162293	0.0453426	0.7667291	20	0.51644866
ENSG00000175773	11	RP11-121M22.1	130184888	rs747250	11	130271678	G	T	0.494036	-0.0003448	0.00805269	0.965844	0.684513	0.0988863	4.45E-12	-0.0005038	0.0117643	0.9658449	0.1908859	6	0.98745033
ENSG00000134917	11	ADAMTS8	130274820	rs3751036	11	130784971	G	C	0.720676	-0.011553	0.0100372	0.249725	-0.465399	0.0719614	9.97E-11	0.0248239	0.0219058	0.2571256	0.1093919	9	0.75616222
ENSG00000255455	11	RP11-890B15.3	130736149	rs7110591	11	130771662	T	G	0.643141	0.00151119	0.00872482	0.86249	-0.676646	0.0749367	1.72E-19	-0.0022334	0.0128966	0.8625147	0.2841683	16	0.9739736
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.729821	0.0616889	2.71E-32	0.00325451	0.0110881	0.7691287	0.3775119	20	0.94619098
ENSG00000251226	11	RP11-469N6.1	134605490	rs10791390	11	134632224	C	A	0.463221	-0.001321	0.00808297	0.870182	-0.81613	0.111401	2.37E-13	0.00161858	0.00990649	0.8702148	0.03558693	20	0.97500756
ENSG00000256577	12	RP11-283I3.2	312808	rs216241	12	309573	C	A	0.610338	-0.0155581	0.00831082	0.0612026	-0.505633	0.0843257	2.02E-09	0.0307696	0.0172189	0.07394303	0.1859292	7	0.58576292
ENSG00000120647	12	CCDC77	498439	rs7133796	12	502025	A	C	0.790258	0.0153268	0.0088121	0.0819823	0.669499	0.0922204	3.88E-13	0.0228929	0.0135347	0.09075563	0.366431	20	0.60921089
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.880988	0.118438	1.02E-13	-0.0179607	0.0122447	0.1424252	0.9793251	18	0.6592772
ENSG00000002016	12	RAD52	1021243	rs12812346	12	1068184	C	T	0.176938	-0.0080192	0.00961189	0.404115	-0.391459	0.0691435	1.50E-08	0.0204853	0.0248192	0.4091552	0.7903801	9	0.82530876
ENSG00000151062	12	CACNA2D4	1901123	rs2286378	12	1909979	A	G	0.809145	-0.000838	0.0122422	0.945424	-0.863856	0.0931443	1.79E-20	0.00097011	0.014172	0.9454252	0.01373933	13	0.98685901
ENSG00000235049	12	LINC00940	2038368	rs9669556	12	2045640	G	A	0.0934394	-0.0056733	0.0189074	0.764131	1.00374	0.106018	2.86E-21	-0.0056522	0.0188464	0.7642468	0.7069171	4	0.94565716
ENSG00000053702	12	NRIP2	2934514	rs11062363	12	2916119	G	A	0.172962	0.00277447	0.0104577	0.790775	-0.511349	0.0631671	5.72E-16	-0.0054258	0.0204622	0.7908849	0.8662525	18	0.94619098
ENSG00000078246	12	TULP3	2986389	rs11062406	12	3010828	C	T	0.417495	0.00056284	0.0082567	0.945652	-0.563813	0.0590405	1.30E-21	-0.0009983	0.0146448	0.9456537	0.833444	15	0.98685901
ENSG00000011105	12	TSPAN9	3186521	rs12372425	12	3305905	C	T	0.282306	0.00509057	0.00990002	0.607114	0.502243	0.0674051	9.26E-14	0.0101357	0.0197585	0.6079668	0.4062077	7	0.90402898
ENSG00000111254	12	AKAP3	4724674	rs979877	12	4757896	C	T	0.522863	-0.0023352	0.00829202	0.778235	0.660532	0.0712522	1.86E-20	-0.0035353	0.0125593	0.7783353	0.9241914	20	0.94619098
ENSG00000111321	12	LTBR	6484211	rs10849448	12	6493351	G	A	0.737575	-0.014208	0.00945673	0.132987	-0.413029	0.0424281	2.14E-22	0.0343995	0.0231671	0.1375856	0.9231688	14	0.64953202
ENSG00000215039	12	CD27-AS1	6548167	rs111922468	12	6556078	T	C	0.17495	-0.0010177	0.0108375	0.925186	0.448296	0.063334	1.46E-12	-0.0022701	0.024177	0.9251923	0.5718413	3	0.98448404
ENSG00000139192	12	TAPBPL	6560856	rs2534709	12	6568572	C	T	0.305169	0.00140302	0.00889568	0.874678	0.550448	0.0607822	1.35E-19	0.00254887	0.0161633	0.8746969	0.4150927	17	0.97641549
ENSG00000010292	12	NCAPD2	6602522	rs11064237	12	6614156	C	T	0.307157	-0.0032407	0.00914017	0.72292	-0.31827	0.0553517	8.93E-09	0.0101823	0.0287728	0.7234236	0.6312915	5	0.93728518
ENSG00000010610	12	CD4	6896024	rs2857229	12	6900616	G	A	0.316103	0.00857118	0.00838894	0.306911	0.347923	0.0569293	9.87E-10	0.0246353	0.0244461	0.3135802	0.4845866	6	0.77424244
ENSG00000111664	12	GNB3	6949118	rs5441	12	6949026	G	A	0.652087	-0.0026188	0.00819645	0.749345	-0.44963	0.0568568	2.61E-15	0.00582432	0.0182442	0.7495426	0.05159255	13	0.9419252
ENSG00000111665	12	CDCA3	6953957	rs1047776	12	6948692	G	A	0.645129	-0.0026755	0.00817768	0.743536	-0.379606	0.0580454	6.16E-11	0.00704818	0.0215695	0.7438448	0.05375175	10	0.9395596
ENSG00000111671	12	SPSB2	6980099	rs2001004	12	6977359	G	A	0.305169	-0.0009903	0.00928199	0.915038	0.842525	0.0776146	1.88E-27	-0.0011754	0.0110174	0.915042	0.7888437	13	0.97960182
ENSG00000010626	12	LRRC23	6982733	rs1007923	12	7014107	A	T	0.296223	-0.0047089	0.00939856	0.616355	0.583707	0.0682355	1.19E-17	-0.0080672	0.0161291	0.6169579	0.4877662	18	0.90452883
ENSG00000248593	12	DSTNP2	6993846	rs10849538	12	7014607	G	A	0.298211	-0.0039148	0.00939682	0.676965	0.400458	0.0559605	8.30E-13	-0.0097758	0.0235049	0.6774804	0.5510058	8	0.92396423
ENSG00000139197	12	PEX5	7341281	rs9738229	12	7365831	C	T	0.498012	-0.0029619	0.00813032	0.715632	0.588083	0.0523255	2.63E-29	-0.0050365	0.0138324	0.7157745	0.4104416	20	0.93557648
ENSG00000164845	12	FAM86FP	8385108	rs12814685	12	8396487	A	G	0.225646	-0.004067	0.00997768	0.683564	1.00997	0.120191	4.35E-17	-0.0040268	0.0098908	0.6839154	0.0731096	8	0.92794485
ENSG00000226091	12	LINC00937	8448582	rs12427358	12	8460253	A	G	0.0755467	-0.0361071	0.013215	0.00628956	1.3935	0.166237	5.18E-17	-0.0259111	0.00997436	0.00938316	0.3186526	20	0.34100144
ENSG00000139187	12	KLRG1	9102640	rs12828013	12	9158317	T	C	0.263419	-0.0003578	0.00909582	0.968618	0.570798	0.0914191	4.27E-10	-0.0006269	0.0159356	0.9686185	0.6805546	10	0.98748223
ENSG00000245105	12	A2M-AS1	9217773	rs669	12	9232268	C	T	0.319085	0.0008571	0.00821843	0.916939	0.592439	0.0884751	2.14E-11	0.00144673	0.0138739	0.9169492	0.357684	3	0.97960182
ENSG00000256069	12	A2MP1	9381129	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.628293	0.0906876	4.27E-12	0.00549166	0.0129123	0.6706142	0.4194254	15	0.91826822
ENSG00000256427	12	RP11-118B22.4	9399093	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.584699	0.0860082	1.06E-11	0.0059011	0.013876	0.6706367	0.2530664	15	0.91826822
ENSG00000111788	12	RP11-22B23.1	9429831	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-1.09053	0.0771155	2.11E-45	0.00316394	0.00742856	0.6701693	0.2389968	20	0.91826822
ENSG00000214826	12	DDX12P	9570309	rs6487748	12	9435768	G	A	0.462227	-0.0034496	0.00809668	0.670071	-0.60129	0.0976076	7.26E-10	0.00573698	0.0134977	0.6708114	0.8810433	4	0.91826822
ENSG00000214776	12	RP11-726G1.1	9620148	rs149680272	12	9590052	A	G	0.312127	-0.0057797	0.00912239	0.526361	-0.594047	0.102284	6.33E-09	0.00972931	0.0154474	0.5288037	0.272129	16	0.87934024
ENSG00000184293	12	CLECL1	9868456	rs10743823	12	9881125	T	C	0.49503	0.00852667	0.00808063	0.291335	-0.55936	0.0968332	7.63E-09	-0.0152436	0.0146853	0.2992597	0.3453285	6	0.77288957
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.93203	0.222147	3.41E-18	-0.0071765	0.00987161	0.4672364	0.8669614	20	0.85004484
ENSG00000172322	12	CLEC12A	10103915	rs7313235	12	10132283	T	C	0.222664	-0.002501	0.0093788	0.789727	0.64752	0.11281	9.47E-09	-0.0038624	0.0144998	0.7899482	0.8520748	9	0.94619098
ENSG00000245648	12	RP11-277P12.20	10516368	rs7313688	12	10516191	A	C	0.60338	-0.007386	0.00830719	0.373946	-0.538995	0.0957607	1.82E-08	0.0137032	0.0156035	0.3798263	0.1425243	6	0.8131246
ENSG00000205809	12	KLRC2	10579453	rs2734424	12	10581595	C	G	0.831014	-0.0084337	0.0110573	0.44563	-1.16749	0.126094	2.07E-20	0.00722374	0.00950308	0.4471664	0.03351435	12	0.84253871
ENSG00000134545	12	KLRC1	10594863	rs10845150	12	10653211	C	G	0.823062	0.0205384	0.0122025	0.0923507	-1.34598	0.143386	6.17E-21	-0.0152591	0.00921046	0.0975781	0.6843821	9	0.61356312
ENSG00000111215	12	PRR4	10977559	rs61912291	12	11149390	G	T	0.205765	0.0108398	0.00903842	0.23041	0.595343	0.0912166	6.72E-11	0.0182077	0.0154361	0.2381777	0.9199663	10	0.7473852
ENSG00000231887	12	PRH1	11033610	rs7956586	12	11065367	A	G	0.624254	-0.0069281	0.00836436	0.407508	-0.778564	0.0981573	2.16E-15	0.00889855	0.0108017	0.410049	0.3352753	20	0.82530876
ENSG00000212127	12	TAS2R14	11090005	rs7398041	12	11067524	A	G	0.2167	0.0102088	0.00899233	0.256257	0.566461	0.0919783	7.34E-10	0.0180221	0.016142	0.264222	0.793653	9	0.75616222
ENSG00000256274	12	TAS2R64P	11229368	rs7974964	12	11279407	G	A	0.356859	-0.000642	0.00866208	0.940919	1.03124	0.104688	6.81E-23	-0.0006225	0.00839991	0.9409208	0.5991096	14	0.98574434
ENSG00000256537	12	RP11-785H5.1	11323963	rs2597984	12	11199734	C	T	0.867793	-0.0009071	0.0144775	0.950038	0.455852	0.0586516	7.71E-15	-0.00199	0.0317602	0.9500395	0.8612305	19	0.98687457
ENSG00000121335	12	PRB2	11544476	rs75520992	12	11574510	T	C	0.181909	-0.01498	0.0103254	0.146836	0.590338	0.0894581	4.14E-11	-0.0253753	0.0179084	0.1564969	0.08595774	14	0.66726768
ENSG00000255621	12	RP11-377D9.3	13153385	rs1291364	12	13153773	C	T	0.77833	0.0174213	0.0099741	0.0806975	0.687751	0.124807	3.58E-08	0.0253308	0.0152136	0.09590985	0.6238545	7	0.61356312
ENSG00000182993	12	C12orf60	14956506	rs11610238	12	14975721	T	C	0.589463	0.00395941	0.00811269	0.625514	-0.646776	0.080583	1.01E-15	-0.0061218	0.0125664	0.6261509	0.6751757	13	0.90645866
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.55494	0.142365	9.02E-28	-0.0087218	0.00874952	0.3188453	0.5730948	15	0.77686195
ENSG00000064115	12	TM7SF3	27126128	rs16931510	12	27105410	C	T	0.310139	0.0020742	0.00841371	0.805275	0.42245	0.0574142	1.87E-13	0.00490993	0.0199276	0.8053819	0.9562802	10	0.94938927
ENSG00000257176	12	RP11-996F15.2	29433351	rs10843390	12	29496991	T	C	0.284294	0.00615469	0.00887296	0.487905	0.517564	0.0919627	1.82E-08	0.0118917	0.0172734	0.4911779	0.8818893	15	0.86503051
ENSG00000133704	12	IPO8	30781922	rs10843834	12	30901112	T	C	0.232604	0.00721322	0.00910927	0.428446	-0.251035	0.0431185	5.82E-09	-0.0287339	0.0366209	0.4326701	0.7625325	10	0.83899778
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	1.19472	0.0957525	9.95E-36	0.0063759	0.0107971	0.5548439	0.5228013	13	0.88290059
ENSG00000013573	12	DDX11	31226779	rs7953706	12	31226835	A	T	0.431412	-0.0110887	0.00815072	0.173685	-1.20311	0.0668799	2.37E-72	0.0092167	0.00679405	0.1749139	0.9869862	20	0.67694186
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.530704	0.0845714	3.49E-10	-0.0196373	0.0173986	0.2590365	0.8655679	9	0.75616222
ENSG00000179715	12	PCED1B	47473386	rs7300656	12	47939090	C	T	0.0666004	0.0227597	0.0158397	0.150752	-0.709163	0.104822	1.33E-11	-0.0320937	0.022834	0.1598647	0.07025974	16	0.66726768
ENSG00000257906	12	RP1-90J4.1	47808791	rs2074193	12	47771429	G	T	0.241551	-0.0058251	0.0099485	0.558194	-0.622752	0.113597	4.20E-08	0.0093538	0.0160659	0.5604225	0.06645981	4	0.88384542
ENSG00000079337	12	RAPGEF3	48128455	rs12422983	12	48142636	T	C	0.145129	-0.0098517	0.0118811	0.406998	0.560377	0.076075	1.76E-13	-0.0175804	0.0213359	0.409949	0.4937633	16	0.82530876
ENSG00000268069	12	AC004466.1	48178706	rs2544025	12	48164758	C	G	0.298211	-0.0096224	0.00911264	0.290995	-0.437624	0.0679717	1.21E-10	0.0219879	0.0211012	0.2974022	0.9311286	4	0.77262895
ENSG00000240399	12	RP1-228P16.1	48448596	rs11168371	12	48437686	A	G	0.224652	0.0438786	0.0115188	0.00013936	-0.874345	0.106731	2.57E-16	-0.0501845	0.0145289	0.00055208	0.4227159	20	0.14569265
ENSG00000177981	12	ASB8	48541571	rs2269935	12	48516464	T	G	0.213718	0.0422277	0.0116421	0.00028655	0.575547	0.0712981	6.89E-16	0.0733697	0.022176	0.00093793	0.4216046	18	0.15048433
ENSG00000167535	12	CACNB3	49207577	rs34014405	12	49211913	T	C	0.177932	0.00825684	0.0111443	0.458751	-0.432535	0.0495093	2.41E-18	-0.0190894	0.0258576	0.460361	0.1885242	10	0.84838874
ENSG00000134285	12	FKBP11	49315301	rs4760662	12	49370857	A	G	0.419483	0.00185526	0.00838615	0.824914	-0.317945	0.0554256	9.67E-09	-0.0058352	0.0263957	0.825042	0.4832672	11	0.9562081
ENSG00000167550	12	RHEBL1	49458468	rs2241726	12	49444545	A	G	0.347913	-0.0049827	0.00817697	0.542288	0.586302	0.101111	6.69E-09	-0.0084985	0.0140235	0.5445018	0.6451411	6	0.880541
ENSG00000167553	12	TUBA1C	49582519	rs10875927	12	49547242	G	A	0.34493	-0.0087984	0.00818627	0.282474	0.342713	0.0575099	2.53E-09	-0.0256729	0.0242721	0.2901855	0.2624728	6	0.76964777
ENSG00000161798	12	AQP5	50355653	rs3759129	12	50354437	C	A	0.177932	0.0161868	0.0113103	0.152385	-0.894137	0.104568	1.22E-17	-0.0181033	0.0128254	0.1580909	0.6747025	12	0.66726768
ENSG00000272368	12	RP4-605O3.4	50505980	rs7136570	12	50529936	G	A	0.600398	0.00177869	0.00831416	0.830598	-0.66179	0.0847828	5.92E-15	-0.0026877	0.0125679	0.8306604	0.1806904	8	0.96017291
ENSG00000139624	12	CERS5	50523575	rs3184122	12	50570127	G	A	0.350895	-0.0022167	0.0088344	0.801879	-0.374149	0.0592525	2.71E-10	0.00592462	0.0236306	0.8020322	0.9764925	20	0.94929587
ENSG00000139629	12	GALNT6	51745031	rs3782473	12	51756269	C	T	0.281312	-0.0038831	0.0085967	0.65149	-0.545926	0.0638801	1.27E-17	0.00711281	0.015769	0.6519438	0.2132642	6	0.91325402
ENSG00000205426	12	KRT81	52679697	rs2857673	12	52707973	G	C	0.406561	0.0100339	0.00849766	0.237691	0.603676	0.0987629	9.82E-10	0.0166213	0.0143368	0.2463137	0.1879648	6	0.75018932
ENSG00000111077	12	TENC1	53440753	rs12368925	12	53439139	A	T	0.637177	-0.0149351	0.00820059	0.0685725	0.323978	0.0348137	1.33E-20	-0.0460991	0.0257924	0.07388622	0.5999165	14	0.58576292
ENSG00000135476	12	ESPL1	53662083	rs1379610	12	53681683	G	A	0.326044	0.00553304	0.00865349	0.522562	0.925819	0.113613	3.67E-16	0.00597637	0.00937558	0.5238379	0.9104691	12	0.87471206
ENSG00000185591	12	SP1	53773960	rs2947337	12	53796998	A	G	0.166004	-0.0003346	0.0109735	0.975678	0.269595	0.0450574	2.19E-09	-0.001241	0.0407042	0.9756785	0.9851222	7	0.99107604
ENSG00000135390	12	ATP5G2	54026510	rs916134	12	54069803	G	A	0.299205	0.013923	0.0094409	0.140279	0.716531	0.067198	1.52E-26	0.0194311	0.0133013	0.1440572	0.1683284	20	0.66001207
ENSG00000135441	12	BLOC1S1	56109820	rs3138141	12	56115778	A	C	0.191849	-0.0017964	0.0108589	0.868604	0.378851	0.0505341	6.53E-14	-0.0047417	0.0286697	0.8686363	0.2121402	7	0.97500756
ENSG00000139531	12	SUOX	56390964	rs11171739	12	56470625	T	C	0.585487	-0.0218675	0.00813658	0.0071978	0.29227	0.0450795	8.97E-11	-0.0748195	0.0301363	0.01303903	0.794732	10	0.36421138
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.20203	0.0687384	1.80E-68	0.0166301	0.0068583	0.01531611	0.4643868	20	0.38894064
ENSG00000257303	12	RP11-977G19.11	56693926	rs871130	12	56648777	T	C	0.0656064	-0.0063836	0.0177241	0.718725	-0.974783	0.118967	2.53E-16	0.00654871	0.0182002	0.7189849	0.7393471	15	0.9357669
ENSG00000025423	12	HSD17B6	57145945	rs747906	12	57233350	G	C	0.0735586	-0.0174617	0.0153258	0.254549	0.501699	0.0758739	3.78E-11	-0.0348051	0.030998	0.2615142	0.1806174	7	0.75616222
ENSG00000166881	12	TMEM194A	57449426	rs62621200	12	57472544	T	C	0.0159046	0.0546971	0.0285217	0.0551442	1.25372	0.204031	8.01E-10	0.0436278	0.0238319	0.06715243	0.7844658	8	0.57928068
ENSG00000123427	12	METTL21B	58165275	rs10431552	12	58178148	A	G	0.319085	-0.0215716	0.008472	0.0108896	0.876297	0.0798463	5.05E-28	-0.0246168	0.00992474	0.0131256	0.07365644	20	0.36421138
ENSG00000123297	12	TSFM	58176372	rs10877012	12	58162085	T	G	0.317097	-0.0218247	0.00847503	0.0100189	-0.324222	0.0563712	8.84E-09	0.0673141	0.0286401	0.01875594	0.0716185	7	0.40354794
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.719885	0.0694589	3.61E-25	0.04115	0.0125607	0.00105252	0.6415085	20	0.15048433
ENSG00000198673	12	FAM19A2	62102040	rs10877689	12	61948484	T	C	0.199801	-0.0022196	0.0096254	0.817629	0.562764	0.0898273	3.73E-10	-0.0039441	0.0171154	0.8177506	0.2195388	3	0.955153
ENSG00000177990	12	DPY19L2	63952693	rs7957467	12	64063442	A	C	0.197813	-0.001212	0.0100533	0.904044	-0.454448	0.0736011	6.64E-10	0.00266691	0.0221262	0.9040621	0.6348055	4	0.97933547
ENSG00000255693	12	RP11-766N7.3	65277174	rs1530480	12	65307414	G	A	0.313121	-0.0074407	0.00852738	0.382898	-0.277561	0.0499246	2.70E-08	0.0268075	0.0310986	0.3886782	0.3083369	3	0.8131246
ENSG00000239335	12	RP11-745O10.2	66524531	rs11176038	12	66493435	C	T	0.432406	0.0142548	0.00805763	0.0768776	-1.06318	0.0860923	4.91E-35	-0.0134077	0.00765617	0.07990672	0.09345225	13	0.5956888
ENSG00000127311	12	HELB	66696325	rs4430553	12	66698895	C	T	0.535785	-0.004634	0.00819828	0.57191	0.478095	0.0693409	5.39E-12	-0.0096926	0.0172053	0.573197	0.440428	7	0.88600607
ENSG00000111581	12	NUP107	69080514	rs2468418	12	69079909	C	T	0.34493	0.00506394	0.00826754	0.540202	-0.560271	0.0716076	5.11E-15	-0.0090384	0.0148015	0.5414377	0.598483	15	0.88027458
ENSG00000127337	12	YEATS4	69753483	rs315121	12	69783937	C	T	0.0457256	-0.0439125	0.0306923	0.152506	0.974989	0.133303	2.59E-13	-0.045039	0.0320763	0.1602827	0.431791	9	0.66726768
ENSG00000166268	12	MYRFL	70219084	rs4332561	12	70157582	T	C	0.0616302	0.00825455	0.0148537	0.5784	1.72703	0.185803	1.47E-20	0.00477962	0.00861608	0.5790774	0.2621803	14	0.88600607
ENSG00000257139	12	RP11-320P7.2	70574118	rs4567514	12	70631683	G	A	0.700795	0.00066337	0.00879717	0.939891	-0.582765	0.0960833	1.32E-09	-0.0011383	0.0150967	0.9398955	0.8326251	9	0.98574434
ENSG00000135643	12	KCNMB4	70760056	rs10879162	12	70955005	C	T	0.224652	-0.0155692	0.00984251	0.113688	-0.495328	0.0832716	2.71E-09	0.0314321	0.0205613	0.1263383	0.4481097	5	0.64708638
ENSG00000236333	12	TRHDE-AS1	72647288	rs12820527	12	72740619	T	C	0.0815109	0.00095254	0.0170474	0.955441	1.57647	0.210003	6.05E-14	0.00060423	0.010814	0.9554417	0.335232	3	0.98687457
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-0.969475	0.0622417	1.06E-54	-0.0039175	0.00866505	0.6511959	0.3584062	20	0.91325402
ENSG00000257497	12	RP11-585P4.5	75877904	rs1480004	12	75894315	G	A	0.610338	0.00927679	0.00809855	0.252007	-0.448287	0.0773975	6.95E-09	-0.0206939	0.0184155	0.2611308	0.852712	5	0.75616222
ENSG00000111615	12	KRR1	75890684	rs10506667	12	75907288	A	G	0.233598	0.00900376	0.00985677	0.361001	0.476171	0.0678546	2.26E-12	0.0189087	0.0208747	0.3650323	0.2488864	5	0.81292847
ENSG00000175183	12	CSRP2	77252495	rs11116211	12	77315824	G	A	0.22664	-0.0046711	0.0102394	0.648255	0.767517	0.0745681	7.59E-25	-0.006086	0.013354	0.6485759	0.08410516	19	0.91325402
ENSG00000139220	12	PPFIA2	81652045	rs7132211	12	81816989	T	C	0.27336	0.00883374	0.00854869	0.301443	0.3902	0.055289	1.70E-12	0.022639	0.0221421	0.3065714	0.917733	9	0.7730656
ENSG00000166130	12	IKBIP	99007183	rs12370618	12	99088223	T	A	0.177932	-0.0146394	0.0105063	0.163502	0.551131	0.0878999	3.61E-10	-0.0265625	0.0195282	0.1737638	0.8502315	20	0.67633689
ENSG00000111666	12	CHPT1	102090725	rs2695291	12	102087543	A	G	0.620278	0.0164551	0.00834984	0.0487562	0.35908	0.0525781	8.52E-12	0.0458257	0.0242022	0.05829758	0.1744786	18	0.56212074
ENSG00000204954	12	C12orf73	104343980	rs2254064	12	104385323	A	G	0.180915	-0.0091994	0.0132035	0.485963	-0.437304	0.0783949	2.43E-08	0.0210367	0.0304276	0.4893338	0.3441825	11	0.86457627
ENSG00000139433	12	GLTP	110288748	rs10850891	12	110299223	A	G	0.605368	-0.0025453	0.00838912	0.761581	-0.305454	0.0385403	2.27E-15	0.00833284	0.0274845	0.7617505	0.00547777	16	0.94511498
ENSG00000111300	12	NAA25	112464500	rs12425405	12	112954137	C	G	0.082505	-0.0140158	0.0129931	0.280718	0.416644	0.0679112	8.51E-10	-0.0336397	0.0316635	0.2880478	0.129814	13	0.76861289
ENSG00000257452	12	RP1-71H24.1	113345433	rs10850114	12	113454978	T	C	0.39662	0.00472311	0.00812294	0.560936	0.474229	0.0852472	2.65E-08	0.00995956	0.017222	0.5630596	0.157349	8	0.88384542
ENSG00000139405	12	C12orf52	113623331	rs3741989	12	113646310	C	G	0.0924453	0.00489608	0.0112401	0.663135	-0.594948	0.104848	1.39E-08	-0.0082294	0.0189482	0.6640614	0.7606851	5	0.91799792
ENSG00000196668	12	LINC00173	116971227	rs11068062	12	116974416	G	A	0.055666	-0.0136774	0.0227418	0.54756	-0.76073	0.119292	1.81E-10	0.0179793	0.0300274	0.5493301	0.09437396	7	0.88223002
ENSG00000135108	12	FBXO21	117581146	rs2840100	12	117592027	G	T	0.43837	0.0147418	0.00807832	0.0680221	-0.269892	0.0471842	1.07E-08	-0.0546211	0.031418	0.08211788	0.7835909	8	0.59786567
ENSG00000089220	12	PEBP1	118573663	rs1051175	12	118582967	A	G	0.5	-0.0047132	0.00807791	0.559581	-0.296543	0.0429065	4.80E-12	0.0158937	0.0273372	0.5609736	0.16224	8	0.88384542
ENSG00000257218	12	GATC	120884241	rs606443	12	120910630	A	C	0.649105	0.00930793	0.008767	0.288371	0.827914	0.0799944	4.20E-25	0.0112426	0.0106448	0.290896	0.1914104	20	0.77007052

ENSG00000122971	12	ACADS	121163538	rs3021337	12	121163261	T	C	0.310139	0.026186	0.00884949	0.00308603	0.207203	0.0377227	3.96E-08	0.126378	0.0485124	0.00918538	0.1370335	8	0.34100144
ENSG00000212694	12	AC084018.1	122233173	rs7974348	12	122254713	G	A	0.189861	-6.91E-05	0.00984263	0.994402	-0.457821	0.0621333	1.73E-13	0.00015085	0.0214989	0.9944018	0.1905299	10	0.997455
ENSG00000272849	12	RP11-347I19.8	122235417	rs7974348	12	122254713	G	A	0.189861	-6.91E-05	0.00984263	0.994402	-0.498187	0.0814204	9.43E-10	0.00013862	0.0197569	0.9944018	0.1321271	6	0.997455
ENSG00000256092	12	hsa-mir-8072	123848415	rs28602967	12	123861488	A	G	0.949304	0.00393621	0.0244116	0.871902	1.37962	0.212466	8.39E-11	0.00285311	0.0176999	0.8719408	0.6528084	5	0.97584893
ENSG00000111364	12	DDX55	124086624	rs111507681	12	124088418	T	C	0.114314	0.019083	0.0141428	0.177238	-0.735669	0.115043	1.61E-10	-0.0259397	0.0196477	0.1867554	0.8846476	16	0.68770868
ENSG00000081760	12	AACS	125549925	rs11058046	12	125627053	T	C	0.245527	-0.0012702	0.00850727	0.881314	0.389069	0.069086	1.78E-08	-0.0032646	0.0218734	0.8813551	0.04098799	8	0.97641549
ENSG00000185684	12	EP400NL	132568828	rs7960977	12	132592297	G	C	0.0427435	-0.0002635	0.0211538	0.990061	0.767381	0.126631	1.36E-09	-0.0003434	0.0275663	0.9900611	0.1641649	4	0.99610036
ENSG00000185163	12	DDX51	132621139	rs1133694	12	132626191	T	C	0.15507	-0.0019567	0.0106917	0.854791	0.379206	0.0606049	3.92E-10	-0.0051599	0.028207	0.8548529	0.2310807	10	0.97072152
ENSG00000256576	12	RP13-977J11.2	132671287	rs112664491	12	132674361	G	C	0.154076	-0.0094852	0.01008	0.346711	1.0974	0.142274	1.23E-14	-0.0086433	0.00925345	0.3502714	0.09142483	20	0.80500918
ENSG00000182870	12	GALNT9	132680924	rs28517414	12	132912947	C	A	0.410537	-0.0017318	0.00848039	0.838188	0.585372	0.0977295	2.10E-09	-0.0029584	0.0144956	0.8382812	0.2711348	10	0.96435226
ENSG00000165474	13	GJB2	20761609	rs9552198	13	21058433	A	G	0.255467	-0.0053753	0.00907438	0.55361	-0.512629	0.0856378	2.15E-09	0.0104857	0.0177881	0.5555395	0.853331	11	0.88317394
ENSG00000032742	13	IFT88	21140585	rs2480431	13	21172412	T	G	0.17495	0.0248746	0.01203	0.038667	0.485472	0.0890207	4.94E-08	0.051238	0.0265014	0.05318612	0.3469006	3	0.56212074
ENSG00000027001	13	MIPEP	24304328	rs111595693	13	24462514	G	A	0.134195	-0.0234638	0.0139474	0.0925103	1.02878	0.106133	3.22E-22	-0.0228074	0.0137599	0.09741267	0.741517	13	0.61356312
ENSG00000205822	13	TPTE2P6	24982295	rs3978675	13	25154028	A	T	0.295229	-0.0024767	0.00878271	0.777949	-0.955924	0.115907	1.62E-16	0.00259085	0.00919303	0.7780754	0.9820245	14	0.94619098
ENSG00000151849	13	CENPJ	25457171	rs9511524	13	25527980	T	A	0.16004	0.00094526	0.0108891	0.930824	-0.462275	0.0787935	4.44E-09	-0.0020448	0.023558	0.930832	0.7334769	10	0.9855112
ENSG00000253771	13	TPTE2P1	25498815	rs12862994	13	25530088	C	T	0.132207	-0.0017468	0.0123256	0.887302	0.974027	0.13442	4.29E-13	-0.0017934	0.0126567	0.8873235	0.7592453	20	0.97641549
ENSG00000132970	13	WASF3	27131840	rs1854815	13	27173485	C	A	0.27336	0.00953219	0.00883311	0.280524	0.253293	0.046083	3.88E-08	0.0376331	0.0355389	0.2896332	0.5376305	3	0.76960674
ENSG00000186184	13	POLR1D	28194903	rs12873937	13	28194089	A	T	0.055666	0.00859051	0.0245966	0.726897	0.653792	0.11395	9.61E-09	0.0131395	0.0376911	0.7273816	0.0775925	3	0.93728518
ENSG00000122025	13	FLT3	28577411	rs61946325	13	28597187	T	C	0.190855	0.0171157	0.0109381	0.117635	0.680151	0.113347	1.97E-09	0.0251646	0.0166197	0.1299894	0.7124296	6	0.64953202
ENSG00000175664	13	TEX26	31506840	rs12857479	13	31531009	A	G	0.362823	0.0035244	0.00824638	0.669097	-0.445024	0.0769488	7.32E-09	-0.0079196	0.0185807	0.6699437	0.7731019	5	0.91826822
ENSG00000120669	13	SOHLH2	36742345	rs9546837	13	36815468	C	A	0.471173	0.0153762	0.00822044	0.0614172	0.909829	0.0819948	1.31E-28	0.0169001	0.00916262	0.06511593	0.8163751	20	0.57090013
ENSG00000242715	13	CCDC169	36801182	rs9547079	13	36863336	C	T	0.217694	0.0134856	0.0102612	0.18877	-0.815851	0.0876057	1.25E-20	-0.0165295	0.0127019	0.1931428	0.7029545	20	0.69251395
ENSG00000120693	13	SMAD9	37418968	rs9576132	13	37480201	C	T	0.238569	-0.0097653	0.0106151	0.357598	0.582584	0.0857407	1.09E-11	-0.0167621	0.018387	0.3619638	0.1680211	3	0.812264
ENSG00000236354	13	LINC00437	39107480	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.611148	0.0947888	1.14E-10	0.0191967	0.0137509	0.1627055	0.04530117	5	0.66726768
ENSG00000150893	13	FREM2	39261266	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.775398	0.0847363	5.66E-20	0.0151303	0.0107094	0.1577127	0.1538637	11	0.66726768
ENSG00000133103	13	COG6	40229764	rs9603589	13	40229744	T	C	0.252485	-0.016191	0.00906901	0.0742113	-0.360995	0.0598323	1.61E-09	0.044851	0.026199	0.08690847	0.7504938	6	0.60671733
ENSG00000176268	13	CYCSP34	41437735	rs6563851	13	41416805	T	C	0.690855	-0.0078124	0.0086606	0.367025	0.826885	0.102875	9.15E-16	-0.009448	0.0105395	0.3700219	0.3377402	9	0.8131246
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-0.900924	0.0592391	3.12E-52	-0.0016173	0.0105951	0.8786779	0.0620524	20	0.97641549
ENSG00000227258	13	SMIM2-AS1	44716682	rs12869383	13	44705441	A	G	0.707753	-0.0118931	0.0090585	0.189208	-0.922029	0.112717	2.84E-16	0.0128988	0.00995027	0.1948617	0.305953	13	0.69491895
ENSG00000235903	13	CPB2-AS1	46626941	rs56071477	13	46685096	T	C	0.263419	0.00171232	0.008966	0.848542	1.22357	0.0859406	5.37E-46	0.00139945	0.0073284	0.8485553	0.1171021	17	0.9681528
ENSG00000102547	13	CAB39L	49882786	rs35214871	13	49918175	T	G	0.142147	-0.02939	0.0109095	0.00706025	-0.48453	0.0770465	3.20E-10	0.0606567	0.0244946	0.01327394	0.06810008	20	0.36421138
ENSG00000136144	13	RCBTB1	50106082	rs9316463	13	50176844	A	G	0.588469	-0.0080537	0.00806566	0.318028	0.387364	0.0492273	3.58E-15	-0.020791	0.0209889	0.3218937	0.4506074	18	0.77986469
ENSG00000123179	13	EBPL	50234859	rs1407636	13	50333882	T	G	0.233598	-0.0007946	0.0097128	0.934796	-0.587652	0.0663527	8.26E-19	0.0013522	0.0165289	0.9347989	0.5153834	20	0.9855112
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.436879	0.0485508	2.29E-19	-0.0086454	0.0188023	0.645657	0.5563686	16	0.91325402
ENSG00000123201	13	GUCY1B2	51568647	rs9535567	13	51648632	A	G	0.686879	0.0153812	0.00925159	0.0964029	-1.26337	0.101406	1.26E-35	-0.0121747	0.00738786	0.09936534	0.299947	19	0.61356312
ENSG00000136098	13	NEK3	52706775	rs9535883	13	52716189	C	G	0.66998	-0.0113679	0.00848729	0.18044	0.267719	0.0463931	7.90E-09	-0.0424621	0.032545	0.1919885	0.2309059	16	0.69251395
ENSG00000136108	13	CKAP2	53029564	rs7321964	13	53040822	G	A	0.564612	-0.0073359	0.00805725	0.362571	-0.459079	0.0622406	1.63E-13	0.0159797	0.0176841	0.3661977	0.02325007	20	0.8131246
ENSG00000139675	13	HNRNPA1L2	53191605	rs9536212	13	53217270	G	A	0.43837	-0.0063349	0.00812069	0.435333	-0.503298	0.0806191	4.30E-10	0.0125868	0.0162604	0.4388856	0.08545027	15	0.84015584
ENSG00000150361	13	KLHL1	70274726	rs1410615	13	70702282	A	G	0.238569	0.0112488	0.00965638	0.244056	0.438172	0.0757441	7.26E-09	0.0256721	0.0224803	0.2534603	0.9960043	5	0.75616222
ENSG00000118939	13	UCHL3	76123619	rs9543976	13	76136648	A	G	0.878728	0.00423846	0.0128988	0.742462	0.661807	0.0701259	3.82E-21	0.00640437	0.0195021	0.7426135	0.968323	7	0.93903068
ENSG00000229865	13	RPL31P54	78996958	rs12428426	13	79001254	T	C	0.230616	0.00565943	0.00961676	0.556199	-0.706095	0.0855648	1.56E-16	-0.0080151	0.0136542	0.5571998	0.00561132	8	0.88339661
ENSG00000227354	13	RBM26-AS1	79980444	rs2296286	13	79980609	A	C	0.082505	0.00113198	0.0104274	0.913553	1.44728	0.144095	9.77E-24	0.00078214	0.00720525	0.9135579	0.1204693	14	0.97933547
ENSG00000183098	13	GPC6	93879095	rs1328364	13	93885922	A	T	0.516899	-0.0054749	0.00810219	0.499214	0.489962	0.0802127	1.01E-09	-0.0111741	0.0166372	0.5018193	0.689906	9	0.86877057
ENSG00000152749	13	GPR180	95254157	rs3897473	13	95253920	G	T	0.642147	-0.0183691	0.00842349	0.0292052	0.41333	0.0584671	1.56E-12	-0.0444417	0.0213271	0.03717729	0.3427018	9	0.47168687
ENSG00000125257	13	ABCC4	95672083	rs61974960	13	95934494	A	G	0.0616302	0.00386498	0.0152846	0.800371	0.726754	0.122569	3.04E-09	0.00531814	0.0210504	0.800548	0.5925514	8	0.94842391
ENSG00000260992	13	DOCK9-AS2	99740073	rs9517574	13	99707769	C	G	0.359841	-0.0068293	0.00824088	0.407268	-0.348718	0.0629572	3.04E-08	0.019584	0.023895	0.4124505	0.4895841	5	0.82738546
ENSG00000237082	13	COX5BP6	101276129	rs1298168	13	101316313	T	C	0.777336	0.00553873	0.00990057	0.575865	0.48876	0.0879163	2.71E-08	0.0113322	0.0203588	0.5777841	0.5800384	4	0.88600607
ENSG00000272143	13	FGF14-AS2	103046980	rs7993790	13	103048175	G	C	0.251491	-0.011929	0.0105386	0.257664	-0.421852	0.0598341	1.78E-12	0.0282777	0.0253017	0.2637286	0.8495868	3	0.75616222
ENSG00000250878	13	METTL21EP	103532449	rs7325985	13	103541727	G	A	0.195825	0.00327675	0.010422	0.753213	-0.521664	0.0782471	2.61E-11	-0.0062813	0.0200006	0.753477	0.1981305	14	0.94372368
ENSG00000230156	13	LINC00443	107306264	rs9520100	13	107226547	G	A	0.633201	0.00119435	0.00835557	0.886337	-0.76234	0.0999628	2.42E-14	-0.0015667	0.0109623	0.8863569	0.1871958	5	0.97641549
ENSG00000134905	13	CARS2	111293759	rs6492306	13	111361693	A	G	0.684891	-0.0129978	0.00852537	0.127359	0.300601	0.0548773	4.31E-08	-0.0432394	0.0294391	0.1418945	0.9136292	6	0.65915078
ENSG00000102606	13	ARHGEF7	111766906	rs3825461	13	111925387	C	T	0.304175	-0.0307522	0.0084159	0.00025813	0.320138	0.0440506	3.66E-13	-0.0960592	0.0294242	0.00109606	0.1106096	19	0.15048433
ENSG00000153495	13	TEX29	111968531	rs942650	13	111980150	C	T	0.314115	-0.0027611	0.00892069	0.756929	0.659225	0.095632	5.45E-12	-0.0041884	0.0135457	0.7571657	0.9584881	3	0.94386409
ENSG00000126217	13	MCF2L	113548692	rs7328336	13	113712706	C	T	0.805169	-0.0027339	0.0100216	0.785002	-0.736655	0.0895786	1.98E-16	0.00371129	0.0136117	0.7851186	0.7224363	20	0.94619098
ENSG00000150401	13	DCUN1D2	114110134	rs2259541	13	114205337	G	C	0.269384	0.0167295	0.00937765	0.0744269	-0.409277	0.0685505	2.37E-09	-0.0408757	0.0239137	0.08739504	0.3697767	7	0.60671733
ENSG00000150403	13	TMCO3	114145310	rs9577570	13	114216310	T	C	0.167992	0.00916405	0.0112657	0.415961	-0.250866	0.0396908	2.61E-10	-0.0365297	0.0452776	0.4197859	0.3028683	17	0.83104717
ENSG00000169062	13	UPF3A	115047059	rs1135496	13	115052933	T	G	0.186879	0.00286532	0.0100747	0.776099	0.513169	0.0904012	1.37E-08	0.00558358	0.0196569	0.7763712	0.754139	7	0.94619098
ENSG00000100814	14	CCNB1IP1	20779527	rs2297732	14	20781361	G	A	0.609344	-0.0085289	0.00811077	0.293005	0.566872	0.0782543	4.36E-13	-0.0150455	0.0144579	0.2980402	0.8016413	17	0.77262895
ENSG00000092094	14	OSGEP	20914570	rs2275007	14	20920250	C	T	0.628231	0.0120996	0.00856976	0.157981	0.721869	0.0653101	2.12E-28	0.0167615	0.0119681	0.1613592	0.09475047	14	0.66726768
ENSG00000198805	14	PNP	20937113	rs1760940	14	20938251	C	A	0.245527	0.0159335	0.0097861	0.103488	-0.366047	0.0629558	6.09E-09	-0.0435286	0.027763	0.1169128	0.7314009	5	0.62351589
ENSG00000258818	14	RNASE4	21152259	rs61976879	14	21151483	G	T	0.259443	-0.0045701	0.00923016	0.620512	-0.37248	0.0645272	7.81E-09	0.0122694	0.0248713	0.6217905	0.765489	5	0.90610189
ENSG00000100461	14	RBM23	23369854	rs12589539	14	23396680	C	T	0.581511	-0.007099	0.00812624	0.382338	0.517418	0.0671563	1.31E-14	-0.0137201	0.015806	0.3853764	0.1266514	15	0.8131246
ENSG00000257285	14	RP11-298I3.1	23398818	rs34026312	14	23398995	A	G	0.342942	-0.0041446	0.00875226	0.635823	0.693261	0.117527	3.66E-09	-0.0059784	0.0126654	0.6369054	0.6304676	6	0.91099911
ENSG00000092036	14	HAUS4	23415437	rs2145542	14	23419036	T	C	0.542744	-0.0060369	0.00807377	0.454628	-0.589532	0.0559119	5.42E-26	0.0102402	0.0137296	0.4557591	0.03625884	20	0.84363563
ENSG00000187630	14	DHRS4L2	24439148	rs6573486	14	24428509	A	G	0.0516899	0.0134252	0.0422139	0.750463	-0.959295	0.116081	1.41E-16	-0.0139949	0.0440377	0.7506422	0.4311202	17	0.94238878
ENSG00000157379	14	DHRS1	24759804	rs4982894	14	24772822	A	G	0.498012	0.0101712	0.00805699	0.206805	-0.674718	0.0754672	3.87E-19	-0.0150747	0.0120597	0.2112968	0.1854765	20	0.71706814
ENSG00000139899	14	CBLN3	24895738	rs1956905	14	24900209	G	C	0.760437	-0.0018427	0.00875039	0.833215	0.469411	0.0673839	3.26E-12	-0.0039255	0.0186497	0.8332898	0.07604042	3	0.96017291
ENSG00000203546	14	RP11-176H8.1	31803518	rs34024670	14	31896969	A	G	0.387674	-0.0043272	0.00808191	0.592358	0.717597	0.0888868	6.85E-16	-0.0060302	0.0112872	0.5931691	0.5474103	20	0.89561036
ENSG00000092020	14	PPP2R3C	35554673	rs72664840	14	35596323	T	C	0.151093	-0.0099429	0.0120835	0.410593	-0.409918	0.064625	2.25E-10	0.0242559	0.0297248	0.4144929	0.2096395	8	0.82837215
ENSG00000100890	14	KIAA0391	35591052	rs17508590	14	35371679	C	T	0.084493	-0.0174419	0.0182032	0.337975	-0.399431	0.0731344	4.72E-08	0.0436669	0.0462689	0.3452904	0.5028633	12	0.80339547
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	0.710977	0.0978736	3.75E-13	-0.0014386	0.0113416	0.8990617	0.404336	9	0.97933547
ENSG00000165502	14	RPL36AL	50085237	rs57119148	14	50097226	C	T	0.747515	-0.0094748	0.00923361	0.304835	0.448303	0.05245	1.26E-17	-0.0211348	0.0207447	0.3082964	0.8378482	12	0.7730656
ENSG00000100523	14	DDHD1	53510686	rs17126361	14	53812020	G	A	0.147117	-0.0134087	0.0124596	0.281849	-0.592522	0.10136	5.04E-09	0.0226299	0.0213814	0.2898784	0.1065919	13	0.76960674
ENSG00000131966	14	ACTR10	58666798	rs17832891	14	58678057	A	G	0.0427435	-0.0534463	0.0181944	0.00330857	-0.514039	0.094221	4.88E-08	0.103973	0.0401996	0.00969767	0.03195772	6	0.34100144
ENSG00000181619	14	GPR135	59895740	rs4901927	14	59932724	G	A	0.361829	-0.0018034	0.00960882	0.851126	-0.574393	0.0954165	1.75E-09	0.00313966	0.0167368	0.8511976	0.1141268	9	0.96955881
ENSG00000126790	14	L3HYPDH	59927081	rs1253110	14	59953981	T	C	0.45825	-0.01288	0.00853641	0.131341	-0.76518	0.0797001	7.94E-22	0.0168326	0.011293	0.1360833	0.4308183	20	0.64953202
ENSG00000154001	14	PPP2R5E	63838075	rs61994996	14	63846756	T	C	0.082505	-0.0030982	0.0127135	0.807469	0.487875	0.0881	3.06E-08	-0.0063504	0.0260841	0.8076512	0.00266775	12	0.95098849
ENSG00000258289	14	CHURC1	65381079	rs10142016	14	65375444	G	T	0.186879	0.00764242	0.0096039	0.42617	0.618186	0.073811	5.51E-17	0.0123627	0.0156056	0.4282473	0.9935922	12	0.83699503
ENSG00000171723	14	GPHN	66974125	rs74396645	14	66740179	G	T	0.0109344	0.0855779	0.0594888	0.150277	0.912179	0.115676	3.13E-15	0.093817	0.0662925	0.1570102	0.1441734	10	0.66726768
ENSG00000259038	14	CTD-2325P2.4	69093883	rs2273485	14	69095099	T	G	0.124254	0.0154448	0.0104419	0.13911	0.445354	0.0679651	5.65E-11	0.0346798	0.0240362	0.1490721	0.6270059	9	0.66214005
ENSG00000100678	14	SLC8A3	70510934	rs61977426	14	70566033	A	G	0.114314	0.0102834	0.0146682	0.483262	0.444813	0.0675253	4.48E-11	0.0231185	0.0331623	0.485721	0.9030479	15	0.86143664
ENSG00000258695	14	RP3-414A15.2	73989582	rs2041073	14	73972535	C	T	0.497018	0.0091672	0.0082223	0.264885	-0.600936	0.10349	6.37E-09	-0.0152549	0.0139324	0.2735521	0.5936912	6	0.76018963
ENSG00000184227	14	ACOT1	74003818	rs12433922	14	74038071	A	G	0.27336	-0.0085164	0.00936271	0.363031	0.732044	0.0986971	1.20E-13	-0.0116337	0.0128856	0.3666101	0.4369707	15	0.8131246
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.655024	0.0951303	5.76E-12	-0.0289789	0.0131131	0.02711068	0.1226426	14	0.45557341
ENSG00000119673	14	ACOT2	74034324	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.469135	0.0635972	1.62E-13	-0.0404615	0.0181872	0.02610012	0.5492563	12	0.45557341
ENSG00000205669	14	ACOT6	74077649	rs10134911	14	74095256	A	G	0.466203	0.0006402	0.00829992	0.938518	-0.501244	0.0830362	1.58E-09	-0.0012772	0.01656	0.9385225	0.08891139	7	0.9855112
ENSG00000119661	14	DNAL1	74111578	rs7140570	14	74141429	G	A	0.641153	-0.0038727	0.00810414	0.632745	0.348875	0.0620527	1.89E-08	-0.0111005	0.0233131	0.6339684	0.7418294	12	0.91044282
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.19148	0.108622	5.38E-28	-0.0129438	0.00904431	0.1523855	0.4908627	20	0.66578807
ENSG00000258586	14	RP5-1021I20.2	74289262	rs12887033	14	74292128	T	C	0.125249	-0.0162516	0.0106719	0.127798	1.17581	0.122176	6.34E-22	-0.0138216	0.00918914	0.1325489	0.8739647	17	0.64953202
ENSG00000140043	14	PTGR2	74318547	rs1476748	14	74552048	C	T	0.910537	-0.0193141	0.0162044	0.233298	-0.805186	0.0861424	9.00E-21	0.0239871	0.020288	0.2370744	0.5245843	20	0.74484613
ENSG00000119723	14	COQ6	74416629	rs11624656	14	74649362	G	T	0.522863	0.00935861	0.00811549	0.248837	-0.367455	0.0663904	3.12E-08	-0.0254687	0.02256	0.2589252	0.7845726	4	0.75616222
ENSG00000119718	14	EIF2B2	75469614	rs12433944	14	75648964	T	C	0.454274	0.0018267	0.00810009	0.821578	-0.314386	0.0441201	1.04E-12	-0.0058104	0.0257777	0.8216657	0.06338135	19	0.95584789
ENSG00000100577	14	GSTZ1	77787227	rs7160188	14	77786361	C	G	0.287276	-0.0004706	0.00837092	0.95517	0.361744	0.0472403	1.90E-14	-0.0013008	0.0231411	0.9551718	0.2331833	20	0.98687457
ENSG00000165409	14	TSHR	81421333	rs12050077	14	81416064	A	G	0.434394	0.0089615	0.00864215	0.299758	-0.446461	0.0678629	4.74E-11	-0.0200723	0.019596	0.3056903	0.8641546	20	0.7730656
ENSG00000042317	14	SPATA7	88851268	rs60503594	14	88874915	C	T	0.302187	-0.0072051	0.00893216	0.419871	-0.871659	0.0653789	1.50E-40	0.00826595	0.010266	0.4207196	0.7359211	20	0.83104717
ENSG00000258983	14	RP11-507K2.2	88965678	rs12587528	14	88953996	G	T	0.228628	-0.0103685	0.00942571	0.271322	0.931625	0.0921867	5.20E-24	-0.0111295	0.0101773	0.2741463	0.9231113	20	0.76018963
ENSG00000140025	14	EFCAB11	90261013	rs7144963	14	90387234	A	C	0.0874751	-0.0112084	0.0120347	0.351679	0.804842	0.114232	1.85E-12	-0.0139262	0.0150829	0.3558464	0.9042111	12	0.81042939
ENSG00000119632	14	IFI27L2	94594116	rs2273514	14	94595989	C	T	0.16501	-0.0038338	0.00979191	0.695409	-0.351374	0.0471897	9.62E-14	0.0109109	0.027906	0.6958075	0.8916726	5	0.93377999
ENSG00000119698	14	PPP4R4	94612465	rs2057282	14	94645518	T	C	0.833002	0.00841545	0.0102245	0.410469	0.21833	0.0376462	6.65E-09	0.0385446	0.0472997	0.4151287	0.6975207	6	0.82837215
ENSG00000168398	14	BDKRB2	96671016	rs34985854	14	96617940	T	C	0.228628	-0.0148159	0.00967196	0.125561	-0.502757	0.0775212	8.85E-11	0.0294693	0.0197672	0.136009	0.3988106	4	0.64953202
ENSG00000100739	14	BDKRB1	96722161	rs2369541	14	96600784	G	T	0.227634	-0.0128891	0.00967342	0.182722	-0.533998	0.0904706	3.58E-09	0.024137	0.0185709	0.1936971	0.4236242	3	0.69251395
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.747277	0.0658326	7.32E-30	-0.0241416	0.0169934	0.155418	0.3391131	8	0.66726768
ENSG00000271780	14	RP11-1017G21.5	102414684	rs2448241	14	102414767	A	G	0.084493	0.00781294	0.0125819	0.534621	0.858483	0.147778	6.27E-09	0.00910087	0.0147395	0.5369385	0.1980321	5	0.88027458
ENSG00000156381	14	ANKRD9	102973179	rs9743854	14	102937390	G	A	0.636183	-0.0113065	0.00812138	0.163866	0.307331	0.0370446	1.07E-16	-0.0367893	0.026795	0.1697549	0.09704125	20	0.67466827
ENSG00000259775	14	RP11-45P15.4	103798011	rs7143775	14	103809841	C	A	0.112326	0.00402796	0.0135709	0.766613	-0.547531	0.0885609	6.31E-10	-0.0073566	0.0248142	0.7668733	0.1743357	10	0.94613307
ENSG00000256053	14	APOPT1	104029299	rs942863	14	104021268	T	C	0.374751	-0.0050001	0.00877989	0.569023	0.439079	0.0593656	1.40E-13	-0.0113876	0.0200553	0.5701637	0.00647012	20	0.88600607
ENSG00000269958	14	RP11-73M18.8	104162690	rs861544	14	104162263	A	G	0.684891	0.0269266	0.0089861	0.00273124	0.285971	0.0458567	4.48E-10	0.0941585	0.0348623	0.00691594	0.7017583	13	0.33463226
ENSG00000258701	14	LINC00638	105287538	rs2498808	14	105283955	T	C	0.237575	-0.0012265	0.00886323	0.889938	-0.8772	0.11719	7.14E-14	0.00139821	0.0101057	0.8899573	0.5970629	15	0.97736051
ENSG00000140104	14	C14orf79	105452112	rs2582574	14	105454529	G	A	0.219682	0.00867094	0.00911719	0.341577	0.71242	0.0714051	1.92E-23	0.0121711	0.0128555	0.3437599	0.4791184	20	0.80339547
ENSG00000183828	14	NUDT14	105639275	rs10873554	14	105648606	A	G	0.625249	-0.0087477	0.00835417	0.295052	0.727604	0.0681008	1.21E-26	-0.0120226	0.0115368	0.2973604	0.4364891	15	0.77262895
ENSG00000259905	15	PWRN1	24738284	rs12899689	15	24787552	G	C	0.417495	-0.0013756	0.0081424	0.865847	0.557537	0.0724012	1.35E-14	-0.0024672	0.0146077	0.8658784	0.08640024	20	0.97500756
ENSG00000206187	15	RP11-1084I9.1	26147507	rs4906839	15	26273405	A	G	0.178926	0.00386049	0.00932772	0.678968	0.452167	0.0648437	3.10E-12	0.00853775	0.0206652	0.6794998	0.1560884	14	0.92555177
ENSG00000206149	15	HERC2P9	28834638	rs201437037	15	28898023	G	A	0.0228628	0.00873469	0.0145464	0.548192	-0.824036	0.146674	1.93E-08	-0.0105999	0.0177532	0.5504604	0.887723	9	0.88223002
ENSG00000261377	15	RP11-578F21.12	29034810	rs7179973	15	29078589	C	G	0.167992	-0.0015469	0.014208	0.913303	-1.50206	0.111835	3.97E-41	0.00102983	0.00945932	0.9133065	0.2874273	20	0.97933547
ENSG00000166664	15	CHRFAM7A	30653443	rs6493281	15	31064685	C	A	0.410537	-0.017553	0.0081797	0.0318787	0.630633	0.114151	3.30E-08	-0.0278339	0.0139148	0.04546604	0.1301008	9	0.51644866
ENSG00000270015	15	RP11-540B6.6	31218717	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	0.451632	0.0576061	4.51E-15	0.034072	0.01863	0.06741729	0.2171199	20	0.57952517
ENSG00000134160	15	TRPM1	31293264	rs3809579	15	31394322	T	C	0.584493	0.006059	0.00808677	0.453708	-0.959265	0.083098	7.94E-31	-0.0063163	0.00844791	0.4546561	0.919122	9	0.84363563
ENSG00000169918	15	OTUD7A	31775329	rs34905056	15	32142710	C	T	0.529821	0.00842712	0.00807043	0.296394	-0.509262	0.0660103	1.21E-14	-0.0165477	0.0159918	0.30078	0.5535679	8	0.77288957
ENSG00000206127	15	GOLGA8O	32737307	rs4539568	15	32902065	T	G	0.356859	0.0022643	0.00874426	0.795676	0.723897	0.107483	1.64E-11	0.00312793	0.0120884	0.7958236	0.573794	4	0.94619098
ENSG00000254912	15	RP11-632K20.2	32786204	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	0.993653	0.114996	5.58E-18	0.00047775	0.00966069	0.9605584	0.9465233	4	0.98687457
ENSG00000232653	15	GOLGA8N	32885657	rs4530105	15	32901701	C	A	0.755467	0.011664	0.0099113	0.239262	-0.786266	0.0995515	2.83E-15	-0.0148347	0.0127447	0.2444288	0.6555167	10	0.75018932
ENSG00000166923	15	GREM1	33010175	rs8037112	15	32962759	G	A	0.591451	-0.0060088	0.00823989	0.465863	0.317081	0.0580761	4.77E-08	-0.0189502	0.0262175	0.469797	0.7650968	3	0.85004484
ENSG00000248905	15	FMN1	33057747	rs117416596	15	33428130	G	C	0.0178926	-0.0271304	0.0549282	0.62136	1.43812	0.235411	1.00E-09	-0.0188652	0.0383191	0.6224944	0.6285164	12	0.90610189
ENSG00000259446	15	RP11-489D6.2	33595858	rs2251110	15	33598537	T	G	0.512922	-0.0089013	0.00807647	0.270408	-0.844253	0.0762053	1.59E-28	0.0105434	0.00961363	0.272768	0.6756696	20	0.76018963
ENSG00000184984	15	CHRM5	34260921	rs11856529	15	34277377	G	A	0.39662	-0.0085944	0.00817388	0.293051	0.823374	0.100411	2.40E-16	-0.0104381	0.0100086	0.2969886	0.1514161	17	0.77262895
ENSG00000215252	15	GOLGA8B	34817408	rs144215799	15	34890377	G	A	0.0109344	0.0695257	0.0757013	0.358398	-1.53986	0.244443	2.99E-10	-0.0451507	0.0496809	0.3634486	0.8506321	3	0.81292847
ENSG00000248508	15	SRP14-AS1	40331512	rs8041057	15	40330629	T	C	0.702783	-0.0078917	0.00866562	0.362461	0.40714	0.0525136	8.97E-15	-0.0193832	0.0214305	0.3657467	0.9304476	6	0.8131246
ENSG00000140323	15	DISP2	40650436	rs56221586	15	40650402	G	C	0.153082	0.011199	0.011441	0.327654	0.711306	0.0638302	7.68E-29	0.0157443	0.0161464	0.3295139	0.4418659	10	0.79123002
ENSG00000128944	15	KNSTRN	40674922	rs8033938	15	40703114	G	A	0.0974155	-0.0254413	0.0113394	0.0248565	1.45256	0.112524	4.01E-38	-0.0175148	0.00792352	0.02707178	0.2456589	14	0.45557341
ENSG00000128928	15	IVD	40697686	rs7165012	15	40654038	G	A	0.532803	-0.0027433	0.00851829	0.747412	0.266855	0.0449496	2.91E-09	-0.0102803	0.031968	0.7477708	0.04280005	11	0.94125725
ENSG00000128891	15	C15orf57	40820882	rs8026605	15	40875584	A	G	0.602386	0.0191731	0.00808507	0.0177198	-0.595591	0.0714962	8.06E-17	-0.0321917	0.0141142	0.02255999	0.05191897	20	0.4338161
ENSG00000166140	15	ZFYVE19	41099284	rs690305	15	41122525	G	A	0.734592	-0.020189	0.00964418	0.0363145	-0.352406	0.0625696	1.78E-08	0.057289	0.0291958	0.04973544	0.2779784	9	0.54013097
ENSG00000137804	15	NUSAP1	41624892	rs10518717	15	41623368	G	C	0.253479	0.0117885	0.00930158	0.205025	0.934529	0.106614	1.86E-18	0.0126144	0.0100567	0.2097249	0.03150317	20	0.71706814
ENSG00000137806	15	NDUFAF1	41679551	rs7178777	15	41634588	A	C	0.336978	0.0179625	0.0088183	0.0416543	-0.463285	0.0673405	6.00E-12	-0.038772	0.0198511	0.05080235	0.1281053	16	0.54945656
ENSG00000103932	15	RPAP1	41809374	rs1200345	15	41819716	T	C	0.517893	0.00559431	0.00806521	0.487911	-0.601682	0.0683452	1.33E-18	-0.0092978	0.013446	0.4892566	0.8388991	18	0.86457627
ENSG00000243708	15	PLA2G4B	42120283	rs62002091	15	42101196	T	C	0.359841	0.0156948	0.00823892	0.0567858	0.243438	0.0426488	1.14E-08	0.0644714	0.035679	0.07076487	0.3556098	20	0.584292
ENSG00000137877	15	SPTBN5	42140345	rs8041458	15	42196846	C	G	0.431412	-0.0166854	0.00821125	0.0421522	-0.499592	0.0819022	1.06E-09	0.0333981	0.0173239	0.05387243	0.2992287	3	0.56212074
ENSG00000168803	15	ADAL	43622872	rs11858152	15	43634196	C	T	0.127237	0.00628945	0.0142153	0.658168	-1.02632	0.108148	2.31E-21	-0.0061282	0.0138658	0.6585165	0.09099125	20	0.91705807
ENSG00000242866	15	STRC	43891596	rs7169112	15	43925147	G	T	0.286282	-0.0262436	0.0103726	0.0114033	0.403643	0.0519764	8.11E-15	-0.0650169	0.0270269	0.01614425	0.352346	20	0.39086858
ENSG00000249839	15	AC011330.5	43955852	rs7169112	15	43925147	G	T	0.286282	-0.0262436	0.0103726	0.0114033	-0.714469	0.102737	3.54E-12	0.0367316	0.0154489	0.01742453	0.556563	19	0.3923078
ENSG00000205771	15	CATSPER2P1	44019116	rs117091329	15	44036768	A	T	0.0357853	-0.0047462	0.0168625	0.778354	-1.24091	0.19155	9.28E-11	0.00382478	0.0136016	0.7785569	0.621745	13	0.94619098
ENSG00000185880	15	TRIM69	45021186	rs17588305	15	45021766	T	C	0.107356	-0.0123024	0.0138973	0.376028	-0.849815	0.0984757	6.15E-18	0.0144766	0.0164391	0.3785259	0.3586051	15	0.8131246
ENSG00000259539	15	CTD-2651B20.1	45444862	rs12438755	15	45457106	T	G	0.333002	0.0209483	0.00849631	0.0136792	-0.589696	0.0990388	2.61E-09	-0.0355239	0.0155944	0.02272692	0.313731	7	0.4338161
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	0.954653	0.094769	7.24E-24	-0.0059158	0.00864439	0.4937517	0.850733	20	0.86521297
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.8513	0.0922302	2.70E-20	-0.006178	0.00963351	0.5213244	0.6154488	17	0.8735594
ENSG00000171763	15	SPATA5L1	45694529	rs59889118	15	45618730	A	G	0.271372	0.0122416	0.00868557	0.158711	0.568445	0.0948162	2.03E-09	0.0215352	0.0156961	0.170059	0.4598804	4	0.67466827
ENSG00000259200	15	RP11-718O11.1	45997276	rs12914774	15	45991578	T	C	0.759443	6.31E-05	0.00935284	0.994621	-0.511115	0.092434	3.21E-08	-0.0001234	0.0182989	0.9946208	0.05250733	7	0.997455
ENSG00000156958	15	GALK2	49447853	rs2007474	15	49857614	G	A	0.240557	-0.0134183	0.00951803	0.158605	0.434823	0.0767606	1.47E-08	-0.0308592	0.0225571	0.1712974	0.6534482	12	0.67633689
ENSG00000104064	15	GABPB1	50569389	rs11855823	15	50619715	A	G	0.582505	0.00069174	0.00827514	0.93338	0.305485	0.046002	3.12E-11	0.00226441	0.0270907	0.9333855	0.2583659	13	0.9855112
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.845343	0.0588147	7.65E-47	0.0072866	0.0109397	0.5053658	0.3038438	20	0.87053547
ENSG00000104112	15	SCG3	51973550	rs35561856	15	51735950	G	A	0.233598	0.00884035	0.0110295	0.422833	-0.493912	0.0588699	4.87E-17	-0.0178986	0.0224326	0.4249367	0.2459473	13	0.83376056
ENSG00000259577	15	RP11-430B1.2	52472290	rs12595160	15	52463485	C	A	0.145129	0.00235216	0.012166	0.846694	-0.495338	0.0734067	1.50E-11	-0.0047486	0.0245711	0.8467557	0.918869	17	0.96746596

ENSG00000197535	15	MYO5A	52599480	rs1075178	15	52824061	G	T	0.212724	-0.0086614	0.0113629	0.445913	-0.181847	0.0297584	9.92E-10	0.0476299	0.0629703	0.4494176	0.9737789	4	0.84260552
ENSG00000069974	15	RAB27A	55495164	rs11635532	15	55600692	G	C	0.121272	-0.0110709	0.0125068	0.376052	0.56861	0.101088	1.86E-08	-0.0194701	0.0222661	0.3818848	0.4157446	5	0.8131246
ENSG00000151575	15	TEX9	56536207	rs705450	15	56726868	A	G	0.910537	0.019946	0.0164043	0.224022	0.914675	0.115754	2.75E-15	0.0218067	0.0181456	0.2294578	0.6071434	14	0.7352792
ENSG00000255529	15	POLR2M	57884231	rs617842	15	58028325	T	A	0.4334	-0.0112907	0.00811514	0.164128	-0.267658	0.0421854	2.23E-10	0.0421833	0.0310395	0.1741396	0.6664673	6	0.67633689
ENSG00000245975	15	RP11-30K9.6	59060271	rs17269439	15	59063144	A	C	0.0298211	-0.0028142	0.0244086	0.908212	0.907741	0.148127	8.89E-10	-0.0031002	0.0268941	0.9082288	0.5201927	8	0.97933547
ENSG00000103642	15	LACTB	63413999	rs1126309	15	63429062	G	A	0.49006	-0.0062987	0.00805271	0.434107	0.484711	0.0725371	2.35E-11	-0.0129947	0.0167269	0.4372312	0.392931	19	0.84015584
ENSG00000259459	15	RP11-321G12.1	63682335	rs4984269	15	63676212	T	A	0.311133	-0.0035072	0.00838429	0.675727	0.754749	0.0638851	3.30E-32	-0.0046468	0.0111157	0.6759183	0.3969943	20	0.92231044
ENSG00000103671	15	TRIP4	64679947	rs4474637	15	65039719	T	C	0.89165	-0.0128675	0.0124725	0.302225	-0.606722	0.0950656	1.75E-10	0.0212082	0.020824	0.3084646	0.222709	6	0.7730656
ENSG00000140451	15	PIF1	65107831	rs865576	15	65147398	G	A	0.570577	0.0183619	0.00824451	0.0259358	-0.734125	0.0872296	3.90E-17	-0.025012	0.011617	0.0313146	0.8045579	17	0.46267021
ENSG00000090487	15	SPG21	65255362	rs28578988	15	65284602	G	T	0.454274	-0.0149088	0.00813178	0.0667421	-0.46288	0.0594701	7.06E-15	0.0322088	0.0180486	0.07433277	0.8104138	15	0.58576292
ENSG00000166938	15	DIS3L	66585555	rs12911848	15	66817545	A	G	0.431412	-0.0112874	0.00821248	0.169313	-0.322178	0.0567461	1.37E-08	0.0350347	0.0262268	0.181603	0.2651638	6	0.68192098
ENSG00000075131	15	TIPIN	66628544	rs7176821	15	66603119	C	G	0.110338	0.00533676	0.0140907	0.70488	1.58103	0.156086	4.10E-24	0.0033755	0.00891858	0.7050748	0.819791	9	0.93408
ENSG00000260657	15	RP11-315D16.4	68560130	rs55941639	15	68570166	A	G	0.356859	0.00101012	0.00901602	0.910795	1.01081	0.103969	2.42E-22	0.00099932	0.00892019	0.9108007	0.9987346	19	0.97933547
ENSG00000166173	15	LARP6	71123863	rs4777324	15	71163503	C	T	0.609344	0.00277179	0.00803062	0.72998	-0.21699	0.0326105	2.85E-11	-0.0127738	0.0370589	0.730328	0.572168	9	0.93735246
ENSG00000067221	15	STOML1	74275547	rs4886820	15	74267320	C	T	0.599404	0.0143351	0.0084941	0.0914766	-0.200887	0.0330016	1.15E-09	-0.071359	0.043878	0.1038843	0.6331831	10	0.61771552
ENSG00000178802	15	MPI	75182346	rs7497026	15	75208549	C	T	0.512922	0.00856209	0.00811487	0.291374	0.397119	0.0521794	2.73E-14	0.0215605	0.0206298	0.2959696	0.1202102	20	0.77262895
ENSG00000140400	15	MAN2C1	75648133	rs4462560	15	75647964	C	G	0.713718	-0.0034216	0.00971001	0.724554	-0.466956	0.051822	2.05E-19	0.00732744	0.0208102	0.7247569	0.0767601	13	0.93728518
ENSG00000169752	15	NRG4	76228310	rs7183815	15	76264167	T	C	0.178926	-0.0073598	0.0105997	0.487471	-0.819645	0.112819	3.73E-13	0.00897919	0.012991	0.4894485	0.7380515	7	0.86457627
ENSG00000173517	15	PEAK1	77400471	rs1867780	15	77407114	G	C	0.287276	-0.0043702	0.00901909	0.627995	-0.344275	0.0549201	3.64E-10	0.012694	0.0262755	0.6290169	0.3214342	14	0.90758644
ENSG00000259362	15	RP11-307C19.1	77817882	rs62009087	15	77833064	T	C	0.373757	-0.0115952	0.00825509	0.160136	0.581473	0.0955393	1.16E-09	-0.0199411	0.01457	0.1711128	0.08058317	7	0.67633689
ENSG00000169783	15	LINGO1	77905369	rs58600827	15	77884322	C	T	0.394632	0.0190568	0.0082003	0.0201303	-0.399528	0.0546433	2.64E-13	-0.0476983	0.0215368	0.02677816	0.5989929	20	0.45557341
ENSG00000260776	15	RP11-114H24.2	78206559	rs62008593	15	78234461	A	G	0.484095	0.00414169	0.00814108	0.610935	1.07873	0.0866037	1.30E-35	0.00383941	0.0075532	0.6112319	0.1190783	20	0.90402898
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.575434	0.0685288	4.58E-17	-0.0020925	0.01589	0.8952316	0.1881511	14	0.97933547
ENSG00000259562	15	RP11-762H8.2	78582869	rs12906684	15	78593263	T	A	0.484095	-0.0055247	0.00811906	0.496213	-0.549729	0.0892566	7.32E-10	0.0100499	0.0148591	0.4988207	0.9856953	8	0.86847333
ENSG00000166426	15	CRABP1	78632666	rs12900109	15	78553032	G	A	0.257455	-0.0038324	0.00937893	0.682824	0.435536	0.0700751	5.12E-10	-0.0087992	0.0215807	0.6834701	0.4222652	12	0.92781769
ENSG00000041357	15	PSMA4	78832747	rs28438420	15	78836288	T	A	0.614314	-0.0006522	0.00824109	0.936918	0.322975	0.0536907	1.79E-09	-0.0020195	0.0255184	0.9369233	0.5994233	14	0.9855112
ENSG00000169684	15	CHRNA5	78857862	rs4887062	15	78837801	A	G	0.619284	-0.0059848	0.00824885	0.468123	-0.892715	0.0943683	3.08E-21	0.00670409	0.00926732	0.469427	0.6028535	20	0.85004484
ENSG00000261762	15	RP11-650L12.2	78881465	rs472054	15	78887994	G	A	0.656064	0.00051263	0.00841727	0.951437	-0.720193	0.0899255	1.16E-15	-0.0007118	0.0116879	0.9514383	0.3485447	20	0.98687457
ENSG00000080644	15	CHRNA3	78885394	rs62010332	15	78918762	C	G	0.32505	-0.0004174	0.00845053	0.960602	0.686712	0.0702463	1.43E-22	-0.0006079	0.0123059	0.9606024	0.6055135	20	0.98687457
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.76965	0.091567	4.27E-17	-0.0057873	0.0105601	0.5836657	0.3799672	9	0.88863988
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-1.06402	0.096927	4.90E-28	0.00052749	0.00973245	0.9567769	0.3692361	12	0.98687457
ENSG00000117899	15	MESDC2	81239667	rs79754687	15	81251444	C	T	0.140159	0.00506445	0.014906	0.734039	0.492907	0.0841255	4.65E-09	0.0102747	0.0302918	0.7344671	0.3532073	5	0.93797307
ENSG00000188659	15	FAM154B	82555151	rs113413540	15	82581577	G	A	0.0337972	-0.0098845	0.0178084	0.578862	1.29686	0.192946	1.80E-11	-0.0076219	0.0137787	0.580151	0.7305745	10	0.88600607
ENSG00000169609	15	C15orf40	83657193	rs6603042	15	83678394	T	G	0.298211	-0.0089988	0.0088059	0.306828	-0.787019	0.0892891	1.20E-18	0.011434	0.0112639	0.3100573	0.7759007	20	0.77338489
ENSG00000225151	15	AC103965.1	84867600	rs61356803	15	84736663	A	G	0.116302	0.0306528	0.0125698	0.0147442	0.8544	0.149751	1.16E-08	0.0358764	0.0159993	0.02493737	0.1122347	11	0.44349033
ENSG00000184206	15	GOLGA6L4	84904525	rs62029649	15	85074334	T	C	0.178926	0.0070599	0.010332	0.494415	0.902611	0.137576	5.35E-11	0.00782164	0.0115087	0.4967399	0.2383707	11	0.86756558
ENSG00000230373	15	GOLGA6L5	85051116	rs8023310	15	85129486	T	G	0.764414	-0.0062369	0.00963528	0.517438	-0.611527	0.0901879	1.20E-11	0.0101989	0.0158277	0.519335	0.9791882	17	0.87335446
ENSG00000176700	15	SCAND2P	85174682	rs3748374	15	85184243	G	A	0.136183	0.00719491	0.0109168	0.509854	0.550085	0.0942592	5.35E-09	0.0130796	0.0199718	0.5125292	0.3605649	11	0.87205968
ENSG00000259295	15	CSPG4P12	85734669	rs11074002	15	85729182	A	C	0.5666	-0.0021646	0.00815149	0.790591	-0.748991	0.100005	6.91E-14	0.00288999	0.0108901	0.7907188	0.8618467	20	0.94619098
ENSG00000229212	15	RP11-561C5.4	85747141	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.603238	0.101835	3.15E-09	0.00343261	0.0135289	0.799709	0.3965178	8	0.94815619
ENSG00000188388	15	GOLGA6L3	85783703	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.827181	0.133064	5.09E-10	0.00868601	0.0125814	0.4899516	0.5890347	3	0.86457627
ENSG00000259407	15	RP11-158M2.3	86287340	rs7181796	15	86233009	C	G	0.195825	0.0035284	0.0102018	0.729449	-0.661517	0.103745	1.81E-10	-0.0053338	0.0154445	0.7298291	0.8637083	15	0.93735246
ENSG00000259416	15	RP11-158M2.5	86298172	rs12324721	15	86310972	T	C	0.200795	0.00344084	0.0100551	0.7322	-0.739908	0.0990896	8.20E-14	-0.0046504	0.0136039	0.7324715	0.9125426	20	0.93735246
ENSG00000140545	15	MFGE8	89441916	rs12901796	15	89470098	C	T	0.279324	-0.0001357	0.00941749	0.988505	0.384874	0.0515658	8.41E-14	-0.0003525	0.0244691	0.9885049	0.595892	16	0.99491397
ENSG00000261478	15	RP11-429B14.4	90052192	rs7164930	15	90041961	G	T	0.345924	0.00737314	0.00830643	0.374733	0.586442	0.0748719	4.78E-15	0.0125727	0.0142548	0.3777785	0.2042452	5	0.8131246
ENSG00000157823	15	AP3S2	90373831	rs2279849	15	90444639	G	A	0.745527	0.00899614	0.0094687	0.342065	-0.571916	0.0735003	7.19E-15	-0.0157298	0.0166791	0.3456358	0.07475792	4	0.80339547
ENSG00000259685	15	CTD-2315E11.1	90645881	rs28455124	15	90668530	A	C	0.261431	-0.0074411	0.00889356	0.402771	-0.440308	0.0671085	5.34E-11	0.0168997	0.0203621	0.4065603	0.3837848	10	0.82278576
ENSG00000185043	15	CIB1	90773207	rs28710946	15	90790589	A	T	0.178926	0.0074801	0.0127569	0.557635	-0.245048	0.0429911	1.20E-08	-0.030525	0.0523335	0.5597054	0.1008564	4	0.88384542
ENSG00000140575	15	IQGAP1	90931450	rs16944424	15	90983465	G	A	0.17495	-0.0124461	0.0101313	0.219267	0.528105	0.0517512	1.89E-24	-0.0235675	0.0193228	0.2225885	0.01953535	20	0.72892317
ENSG00000166965	15	RCCD1	91498100	rs113343095	15	91522092	A	G	0.137177	0.00503395	0.0113015	0.656014	0.943367	0.110522	1.39E-17	0.00533615	0.0119963	0.6564513	0.5842358	9	0.91586342
ENSG00000183571	15	PGPEP1L	99511459	rs2593057	15	99548851	T	G	0.767396	-0.0167857	0.00979356	0.0865386	0.795409	0.104602	2.87E-14	-0.0211032	0.0126215	0.09452294	0.9692903	17	0.61288953
ENSG00000182253	15	SYNM	99638420	rs2623180	15	99739527	C	G	0.65507	-0.0111251	0.00818074	0.173856	-0.321267	0.0560415	9.89E-09	0.0346288	0.0261707	0.1857714	0.3977124	11	0.68770868
ENSG00000103852	15	TTC23	99676528	rs62023767	15	99791392	A	C	0.472167	0.00197794	0.00813187	0.807825	-0.340255	0.045827	1.13E-13	-0.0058131	0.0239122	0.8079258	0.2448766	20	0.95098849
ENSG00000183060	15	LYSMD4	100255902	rs35747287	15	100273607	C	G	0.682903	-0.0006434	0.00862168	0.940509	-0.940756	0.0792088	1.56E-32	0.00068396	0.00916481	0.9405098	0.532643	20	0.98574434
ENSG00000259363	15	CTD-2054N24.2	100347228	rs11858130	15	100364242	A	G	0.402584	0.00522661	0.00807923	0.517684	-0.691665	0.104699	3.94E-11	-0.0075566	0.0117367	0.5196794	0.9995102	14	0.87335446
ENSG00000270127	15	RP11-526I2.5	101087972	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-0.957201	0.0780326	1.37E-34	0.00305076	0.00848556	0.7192035	0.1833823	20	0.9357669
ENSG00000259205	15	PRKXP1	101093734	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-0.902848	0.0894719	6.06E-24	0.00323442	0.00899825	0.7192586	0.2411045	18	0.9357669
ENSG00000259658	15	RP11-89K11.1	102277302	rs1052887	15	102277480	C	G	0.225646	0.00968434	0.0100633	0.335875	0.70332	0.107303	5.58E-11	0.0137695	0.0144617	0.3410286	0.9845466	13	0.80335139
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.865204	0.101772	1.87E-17	0.00572808	0.0122248	0.6393834	0.6814743	10	0.91325402
ENSG00000226942	16	IL9RP3	79336	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.639509	0.114239	2.17E-08	0.00774963	0.016572	0.6400462	0.7470248	3	0.91325402
ENSG00000161981	16	SNRNP25	103010	rs216601	16	112112	A	G	0.133201	0.0129699	0.0161361	0.421525	-0.459013	0.065037	1.69E-12	-0.0282561	0.0353811	0.4245113	0.3107315	9	0.83354563
ENSG00000103148	16	NPRL3	134273	rs2562164	16	176743	G	A	0.345924	0.002176	0.00823189	0.79152	-0.561622	0.0638787	1.47E-18	-0.0038745	0.014664	0.7916116	0.3039727	13	0.94619098
ENSG00000268836	16	LA16c-OS12.2	235747	rs3859140	16	234710	C	T	0.472167	0.0129844	0.00808651	0.108343	0.714413	0.0967854	1.57E-13	0.0181749	0.0115838	0.1166495	0.727625	20	0.62351589
ENSG00000076344	16	RGS11	318300	rs3743881	16	326040	T	A	0.472167	0.0119918	0.00808971	0.138247	-0.398527	0.0526387	3.70E-14	-0.0300903	0.0206845	0.1457438	0.5957807	8	0.66214005
ENSG00000086504	16	MRPL28	417384	rs11640037	16	423842	A	C	0.512922	0.018826	0.00808818	0.0199338	-0.248218	0.0400842	5.93E-10	-0.0758446	0.0348108	0.02934919	0.09783318	13	0.45663232
ENSG00000129925	16	TMEM8A	420773	rs3830160	16	419092	G	A	0.548708	0.0167279	0.00817102	0.0406359	-0.519664	0.0612771	2.24E-17	-0.0321898	0.0161753	0.04658447	0.1724374	20	0.51644866
ENSG00000242612	16	DECR2	451826	rs1698237	16	451306	C	T	0.469185	0.0121936	0.0081447	0.134361	0.550414	0.0673856	3.13E-16	0.0221535	0.0150439	0.1408617	0.3199972	20	0.65915078
ENSG00000090565	16	RAB11FIP3	475619	rs8059607	16	489603	C	A	0.558648	-0.0112769	0.00808407	0.163032	-0.275359	0.0503097	4.42E-08	0.0409534	0.0302968	0.176458	0.4234549	16	0.67694186
ENSG00000007541	16	PIGQ	616995	rs7205409	16	642610	C	T	0.440358	0.0226066	0.00806785	0.00507773	-0.424903	0.051935	2.80E-16	-0.0532041	0.0200703	0.00802786	0.5922698	10	0.33463226
ENSG00000127578	16	WFIKKN1	679239	rs35915772	16	679274	A	G	0.254473	0.0232637	0.00860796	0.0068805	1.01133	0.0806044	4.14E-36	0.0230031	0.00870674	0.00824217	0.3209845	20	0.33463226
ENSG00000162004	16	CCDC78	772582	rs4984921	16	774520	T	C	0.468191	0.00502263	0.0082422	0.542273	-0.262652	0.0441116	2.61E-09	-0.0191228	0.0315446	0.5443732	0.9282111	3	0.880541
ENSG00000103245	16	NARFL	779753	rs2071951	16	783004	C	T	0.240557	-0.0005454	0.00866336	0.949806	0.401679	0.0682772	4.03E-09	-0.0013577	0.0215691	0.9498088	0.3445111	5	0.98687457
ENSG00000162006	16	MSLNL	819428	rs3765327	16	819719	C	T	0.186879	-0.0156171	0.0104238	0.134076	-0.630662	0.0820589	1.52E-14	0.024763	0.0168395	0.1414171	0.7866728	20	0.65915078
ENSG00000103227	16	LMF1	903634	rs3809674	16	1030002	A	G	0.183897	-0.0196593	0.0127001	0.121631	0.542687	0.0778885	3.23E-12	-0.0362259	0.0239729	0.130758	0.2416989	20	0.64953202
ENSG00000260439	16	LA16c-366D3.1	971033	rs7202239	16	966462	G	A	0.187873	0.00297284	0.0112918	0.792339	0.696623	0.117865	3.41E-09	0.0042675	0.0162254	0.7925402	0.5296027	11	0.94619098
ENSG00000260807	16	RP11-161M6.2	1025761	rs12929414	16	996948	A	G	0.164016	0.00167895	0.0119171	0.88796	-0.407497	0.0633068	1.22E-10	-0.0041202	0.0292516	0.8879868	0.2466249	18	0.97641549
ENSG00000197253	16	TPSB2	1277272	rs9927989	16	1297145	C	A	0.736581	0.00599158	0.00978719	0.540415	-0.959419	0.103013	1.24E-20	-0.006245	0.0102232	0.5412872	0.834572	12	0.88027458
ENSG00000095917	16	TPSD1	1306060	rs3874639	16	1294822	G	A	0.511928	0.00219776	0.00841389	0.793933	0.682873	0.0776824	1.49E-18	0.0032184	0.0123267	0.7940224	0.7839254	20	0.94619098
ENSG00000260182	16	RP11-616M22.5	1307340	rs3874639	16	1294822	G	A	0.511928	0.00219776	0.00841389	0.793933	0.601001	0.0864471	3.60E-12	0.00365683	0.0140097	0.7940755	0.7581811	8	0.94619098
ENSG00000007516	16	BAIAP3	1383602	rs4984814	16	1385650	C	A	0.457256	0.00802672	0.00808235	0.320654	0.743988	0.0842869	1.08E-18	0.0107888	0.0109321	0.3236964	0.7604923	12	0.78086973
ENSG00000197599	16	CCDC154	1484384	rs11639937	16	1487131	A	G	0.111332	0.0221586	0.0154429	0.151324	1.06507	0.12339	6.04E-18	0.0208048	0.0146984	0.1569367	0.07670206	20	0.66726768
ENSG00000100726	16	TELO2	1543345	rs2745107	16	1542406	C	T	0.38668	0.00974579	0.00809582	0.228665	-0.277847	0.044221	3.32E-10	-0.0350761	0.0296677	0.2370863	0.4735526	3	0.74484613
ENSG00000187535	16	IFT140	1560428	rs2294626	16	1586717	G	C	0.195825	-0.0066986	0.00934135	0.473317	0.348895	0.0628431	2.83E-08	-0.0191995	0.0269965	0.4769693	0.9405328	10	0.85452952
ENSG00000206053	16	HN1L	1728257	rs113571946	16	1728147	G	A	0.209742	0.0094894	0.0119051	0.425401	0.542785	0.0806782	1.72E-11	0.0174828	0.0220868	0.4286226	0.6649334	4	0.83699503
ENSG00000197774	16	EME2	1823208	rs2575329	16	1819433	A	G	0.569583	0.00824209	0.00809035	0.308319	-0.447988	0.0598028	6.83E-14	-0.018398	0.0182255	0.3127524	0.8683325	20	0.77424244
ENSG00000095906	16	NUBP2	1832902	rs12445517	16	1843331	A	G	0.584493	0.00479586	0.00806761	0.552205	0.292439	0.0465409	3.31E-10	0.0163995	0.0277105	0.5539738	0.4749276	20	0.88290059
ENSG00000063854	16	HAGH	1845621	rs71384658	16	1922216	G	C	0.696819	0.00512221	0.0082852	0.53642	-0.470692	0.0515867	7.22E-20	-0.0108823	0.0176425	0.5373523	0.7990749	20	0.88027458
ENSG00000180185	16	FAHD1	1876968	rs3925437	16	1895375	G	A	0.180915	-0.0007144	0.00929753	0.938754	1.07457	0.0925732	3.76E-31	-0.0006648	0.00865252	0.9387554	0.3879486	18	0.9855112
ENSG00000255513	16	AC005363.9	2013746	rs148688679	16	2008297	C	G	0.0159046	-0.0211847	0.0338447	0.531355	1.66114	0.255995	8.64E-11	-0.0127531	0.020469	0.533254	0.8317458	8	0.88027458
ENSG00000255198	16	SNHG9	2014960	rs7192722	16	2016479	A	G	0.54672	0.00110458	0.00807284	0.891168	0.34638	0.0601486	8.47E-09	0.00318893	0.0233129	0.8911983	0.8789635	3	0.97831627
ENSG00000127554	16	GFER	2034208	rs12149722	16	2049849	C	T	0.182903	0.00479945	0.00981476	0.624839	0.613606	0.0930451	4.26E-11	0.00782171	0.0160391	0.6257875	0.9843434	11	0.90645866
ENSG00000167965	16	MLST8	2254249	rs26863	16	2256461	G	C	0.452286	-0.00384	0.00807549	0.634422	0.437355	0.0557104	4.14E-15	-0.00878	0.0184982	0.6350423	0.2239691	20	0.91044282
ENSG00000205937	16	RNPS1	2303117	rs9796949	16	2304338	A	G	0.395626	-0.0115355	0.00827371	0.163248	-0.278295	0.0503518	3.26E-08	0.0414506	0.0306613	0.1764119	0.5413395	3	0.67694186
ENSG00000261613	16	RP11-20I23.13	2604061	rs12185166	16	2713728	T	C	0.261431	0.00710752	0.0091735	0.438465	1.18711	0.116518	2.24E-24	0.00598725	0.0077499	0.4397843	0.4496865	10	0.84015584
ENSG00000260565	16	ERVK13-1	2710350	rs11648529	16	2725256	G	A	0.413519	0.00782258	0.00846913	0.355664	-0.781206	0.0682772	2.59E-30	-0.0100135	0.0108764	0.3572264	0.3103871	9	0.81129128
ENSG00000103355	16	PRSS33	2833954	rs11076829	16	2837603	T	C	0.765408	0.00146148	0.00980742	0.88154	-0.623928	0.104443	2.32E-09	-0.0023424	0.0157237	0.8815762	0.8507858	3	0.97641549
ENSG00000263280	16	LA16c-325D7.2	2916349	rs17660212	16	2918292	G	A	0.39662	0.00673976	0.00874778	0.441031	0.71224	0.0891386	1.35E-15	0.00946277	0.012339	0.4431428	0.2642852	12	0.84025893
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.852556	0.0624408	1.92E-42	0.00963077	0.00963605	0.3175756	0.382855	20	0.77686125
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2524316	16	3054011	G	C	0.612326	-0.0097591	0.00819861	0.233914	0.915886	0.0802377	3.53E-30	-0.0106554	0.0090001	0.2364458	0.7201405	20	0.74484613
ENSG00000213937	16	CLDN9	3062457	rs1859378	16	3051123	C	T	0.646123	-0.0069752	0.00830403	0.400924	0.432778	0.064803	2.42E-11	-0.0161172	0.0193389	0.404616	0.537644	12	0.82137048
ENSG00000263072	16	RP11-473M20.14	3166043	rs11649450	16	3181996	A	G	0.374751	0.0164587	0.00855509	0.0543726	0.705284	0.0676822	2.00E-25	0.0233363	0.012335	0.05850741	0.2202661	20	0.56212074
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	1.02498	0.102576	1.65E-23	0.0181176	0.0137826	0.1886679	7.74E-05	20	0.69129172
ENSG00000167984	16	NLRC3	3589033	rs62037803	16	3677348	T	C	0.133201	0.0144557	0.0137257	0.292258	-1.05715	0.129264	2.88E-16	-0.0136742	0.0130909	0.2962268	0.00482129	20	0.77262895
ENSG00000126602	16	TRAP1	3701640	rs7203664	16	3728708	C	T	0.672962	-0.0057796	0.00883657	0.513079	0.321567	0.0482102	2.56E-11	-0.0179731	0.0276115	0.5150921	0.01637007	5	0.87335446
ENSG00000262246	16	CORO7	4404543	rs9925719	16	4461861	G	A	0.749503	0.00249839	0.00918226	0.785554	0.280799	0.0433172	9.03E-11	0.00889743	0.0327293	0.7857378	0.588928	20	0.94619098
ENSG00000153406	16	NMRAL1	4511681	rs4785968	16	4535307	A	T	0.709742	0.00087514	0.0092471	0.924601	-0.384188	0.0489988	4.48E-15	-0.0022779	0.024071	0.9246067	0.1129138	12	0.98428281
ENSG00000102858	16	MGRN1	4666494	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	0.735305	0.0556386	7.12E-40	0.00718959	0.0111729	0.519909	0.5750187	20	0.87335446
ENSG00000103199	16	ZNF500	4798240	rs3747603	16	4808523	C	A	0.622266	0.0150045	0.00837674	0.0732588	-0.531406	0.0684719	8.43E-15	-0.0282355	0.0161777	0.08092777	0.2988046	20	0.59655973
ENSG00000140623	16	12-Sep	4827670	rs7546	16	4847317	T	C	0.470179	0.00459332	0.00814396	0.572743	0.840335	0.0836405	9.47E-24	0.00546606	0.00970658	0.5733471	0.03090856	20	0.88600607
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	0.940743	0.0989003	1.87E-21	-0.0220926	0.0110539	0.04564772	0.00952986	20	0.51644866
ENSG00000067836	16	ROGDI	4846969	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	-0.503731	0.0504991	1.96E-23	-0.0078576	0.0161744	0.6271054	0.05967693	20	0.90645866
ENSG00000103174	16	NAGPA	5074845	rs15951	16	5075248	A	G	0.535785	-0.0093838	0.00811843	0.247738	0.232741	0.0425996	4.67E-08	-0.0403185	0.0356539	0.2581266	0.3070143	7	0.75616222
ENSG00000183454	16	GRIN2A	9852376	rs12932206	16	10066021	G	A	0.406561	6.63E-05	0.00831362	0.99364	0.365555	0.0395203	2.25E-20	0.00018129	0.0227425	0.9936399	0.08743252	20	0.997455
ENSG00000175643	16	RMI2	11343476	rs12325495	16	11418328	T	C	0.479125	0.00505824	0.00812543	0.5336	0.710635	0.0658906	4.05E-27	0.00711792	0.0114531	0.5342804	0.08622018	20	0.88027458
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.24674	0.0860466	1.42E-47	0.00442032	0.00648269	0.495324	0.09961921	20	0.86624257
ENSG00000048462	16	TNFRSF17	12058964	rs387871	16	12052483	A	G	0.523857	-0.0097157	0.00814269	0.232797	0.506948	0.0889327	1.20E-08	-0.0191652	0.0164103	0.2428571	0.5762229	5	0.75018932
ENSG00000048471	16	SNX29	12070594	rs56166842	16	12130053	C	T	0.423459	-0.0134881	0.00811225	0.0963762	0.253586	0.0455423	2.57E-08	-0.0531895	0.0333859	0.1111218	0.4458151	3	0.61771552
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.738104	0.0966953	2.29E-14	0.0243338	0.0115446	0.035048	0.5975126	20	0.46953024
ENSG00000179889	16	PDXDC1	15068448	rs55727637	16	15145252	T	C	0.306163	0.0205562	0.00880647	0.0195848	0.357818	0.0611322	4.82E-09	0.0574488	0.0264965	0.03014611	0.1308079	7	0.45663232
ENSG00000188599	16	NPIPP1	15198178	rs2960413	16	15256053	A	C	0.804175	-0.0115357	0.0111367	0.300281	-0.466908	0.0777986	1.96E-09	0.0247066	0.0242047	0.3073797	0.00816103	5	0.7730656
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	0.86166	0.0997469	5.70E-18	-0.0208445	0.00980624	0.03353323	0.4244862	18	0.46575892
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.495843	0.053421	1.67E-20	-0.0031179	0.0185469	0.8664959	0.2817335	20	0.97500756
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.943346	0.0818359	9.61E-31	0.00163886	0.0097481	0.8664882	0.2451823	20	0.97500756
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.938456	0.0994984	4.03E-21	-0.0169519	0.0116644	0.1461401	0.9023415	7	0.66214005
ENSG00000227827	16	RP11-958N24.2	16450081	rs2007413	16	16308675	T	C	0.202783	0.0134307	0.0125017	0.282684	1.17937	0.137422	9.31E-18	0.011388	0.0106831	0.286428	0.4138845	6	0.76780717
ENSG00000103550	16	KNOP1	19714902	rs3829539	16	19722366	C	T	0.16004	0.0277758	0.011499	0.0157138	1.26805	0.101079	4.23E-36	0.0219043	0.00923482	0.01769549	0.08043799	20	0.3923078
ENSG00000261195	16	CTD-2380F24.1	19772494	rs2047889	16	19777705	A	C	0.16004	0.0211608	0.0115078	0.0659417	-0.726577	0.0880763	1.59E-16	-0.029124	0.0162271	0.07268952	0.01623566	11	0.58576292
ENSG00000103316	16	CRYM	21250195	rs9924688	16	21237217	G	A	0.385686	0.00955413	0.00809709	0.238021	-0.383432	0.0589451	7.77E-11	-0.0249174	0.021462	0.2456418	0.6844123	5	0.75018932
ENSG00000260306	16	RP11-645C24.5	21805416	rs35478288	16	21825731	G	A	0.196819	-0.0374162	0.0090835	3.80E-05	-0.820105	0.101221	5.40E-16	0.0456237	0.0124253	0.0002408	0.05419142	13	0.13512398
ENSG00000103356	16	EARS2	23533335	rs9924663	16	23564198	C	T	0.849901	0.0100712	0.0098025	0.304229	0.647326	0.0786449	1.86E-16	0.0155582	0.0152606	0.3079657	0.216466	16	0.7730656
ENSG00000262700	16	RP11-266L9.3	25104708	rs7498466	16	25091410	A	G	0.592445	0.00340005	0.00825807	0.680542	0.506132	0.0863976	4.68E-09	0.00671771	0.0163563	0.6812842	0.6812315	9	0.92625842
ENSG00000259954	16	IL21R-AS1	27458990	rs232073	16	27513859	G	A	0.161034	0.0326037	0.0118934	0.00611913	-1.01344	0.10052	6.64E-24	-0.0321713	0.0121618	0.00816222	0.08100567	18	0.33463226
ENSG00000261329	16	CTD-2049O4.1	27690261	rs115545490	16	27619047	C	T	0.0765408	-0.0094022	0.0141338	0.505904	-0.70787	0.0843856	4.92E-17	0.0132824	0.0200293	0.5072356	0.6294457	6	0.87067964
ENSG00000197165	16	SULT1A2	28603264	rs2925624	16	28618545	T	G	0.306163	-0.0071238	0.00816103	0.382719	0.868723	0.0994253	2.38E-18	-0.0082003	0.00944105	0.3850798	0.6739174	20	0.8131246
ENSG00000178952	16	TUFM	28853732	rs7187776	16	28857645	G	A	0.341948	-0.0103296	0.00812797	0.203774	0.248933	0.0346145	6.40E-13	-0.0414955	0.0331571	0.2107594	0.9714885	20	0.71706814
ENSG00000260953	16	RP11-426C22.6	29273594	rs11865661	16	29296666	T	C	0.378728	0.00480233	0.00833885	0.564685	-0.705198	0.0900177	4.73E-15	-0.0068099	0.0118567	0.565732	0.3296813	7	0.88384542
ENSG00000183336	16	BOLA2	29464914	rs1132812	16	30198151	G	A	0.570577	0.00890879	0.00825654	0.280589	0.570569	0.0899407	2.24E-10	0.0156139	0.0146785	0.2874549	0.06732446	9	0.76780717
ENSG00000103485	16	QPRT	29674600	rs9933310	16	29690904	G	A	0.39165	0.0138543	0.00815579	0.0893738	-0.382504	0.0533736	7.69E-13	-0.03622	0.0219129	0.09834964	0.6879347	5	0.61356312
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.67966	0.0920348	1.53E-13	0.0153165	0.013226	0.2468387	0.4684546	10	0.75018932
ENSG00000149922	16	TBX6	30097114	rs3809627	16	30103160	A	C	0.416501	0.0231229	0.00805391	0.00409157	-0.35449	0.0595508	2.64E-09	-0.0652286	0.0252241	0.00971082	0.418203	5	0.34100144
ENSG00000180096	16	1-Sep	30389454	rs12930787	16	30381303	G	C	0.327038	-0.0004027	0.00864551	0.962851	-0.456248	0.0704755	9.55E-11	0.00088259	0.0189496	0.9628517	0.1329202	9	0.98687457
ENSG00000103549	16	RNF40	30773066	rs3747486	16	30786927	T	C	0.277336	-0.0103679	0.00931918	0.265908	0.314209	0.0541745	6.63E-09	-0.0329968	0.0301999	0.2745632	0.3803838	5	0.76018963
ENSG00000167395	16	ZNF646	31085743	rs12934418	16	31042299	A	G	0.387674	0.00636989	0.00826472	0.440864	-0.339328	0.0608354	2.44E-08	-0.0187721	0.0245876	0.4451781	0.3102512	7	0.84216846
ENSG00000103510	16	KAT8	31127075	rs9972727	16	31149142	G	A	0.621272	-0.0069585	0.00831444	0.402638	0.401966	0.0589301	9.04E-12	-0.0173112	0.0208395	0.4061499	0.7464058	7	0.82278576
ENSG00000178226	16	PRSS36	31150246	rs1549299	16	31154146	A	G	0.697813	0.00992255	0.00860795	0.249026	-0.556854	0.0667911	7.60E-17	-0.0178189	0.0156052	0.2535135	0.6363621	13	0.75616222
ENSG00000155393	16	HEATR3	50099852	rs2287197	16	50106594	C	T	0.709742	0.00101991	0.00953666	0.914832	0.684327	0.0683942	1.44E-23	0.00149038	0.0139366	0.9148365	0.02718001	20	0.97960182
ENSG00000103479	16	RBL2	53467889	rs8043918	16	53513033	T	C	0.461233	0.00083753	0.00840497	0.920625	-0.327546	0.0405298	6.39E-16	-0.002557	0.0256624	0.9206306	0.3088508	9	0.98203078
ENSG00000245694	16	CRNDE	54952775	rs79129474	16	54928350	T	C	0.177932	0.00835784	0.00963026	0.385464	0.620776	0.0809584	1.75E-14	0.0134635	0.0156123	0.3884858	0.7753991	17	0.8131246
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	1.00049	0.135429	1.50E-13	-0.0082874	0.01103	0.4524423	0.8269449	5	0.84363563
ENSG00000169715	16	MT1E	56659387	rs1610215	16	56659525	G	C	0.548708	-0.0160147	0.00812368	0.0486833	0.353927	0.0543729	7.55E-11	-0.0452486	0.0239825	0.05919642	0.4716855	3	0.56212074
ENSG00000260186	16	RP11-481J2.2	58455230	rs4784938	16	58467853	A	G	0.746521	-0.0147631	0.00918996	0.108178	0.552792	0.0554184	1.96E-23	-0.0267064	0.0168388	0.1127389	0.3428029	13	0.61982908
ENSG00000260115	16	CTC-420A11.2	61952225	rs2897818	16	61950391	T	C	0.0695825	0.0179356	0.0161795	0.26763	0.973446	0.161348	1.61E-09	0.0184249	0.0168991	0.2755866	0.5356063	3	0.76018963

ENSG00000261502	16	RP11-96H17.1	63090690	rs198013	16	63117125	A	C	0.16501	0.00160777	0.0108847	0.882572	-0.523548	0.0801545	6.50E-11	-0.0030709	0.0207956	0.8826021	0.9810549	7	0.97641549
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.983736	0.0822622	5.86E-33	-0.0148593	0.00862755	0.08501443	0.1697421	16	0.60204943
ENSG00000132600	16	PRMT7	68344877	rs1465471	16	68396377	T	C	0.494036	0.00256294	0.00807372	0.750908	-0.324787	0.0397735	3.19E-16	-0.0078911	0.0248773	0.7510898	0.1673907	20	0.94238878
ENSG00000039068	16	CDH1	68771128	rs8063387	16	68836491	G	C	0.297217	-0.0095956	0.0093596	0.305261	0.349773	0.0552233	2.39E-10	-0.0274338	0.0271073	0.3115171	0.09127868	14	0.77400383
ENSG00000141076	16	CIRH1A	69165194	rs79141311	16	69417047	T	C	0.0308151	0.0475852	0.0245356	0.0524493	-1.19388	0.132299	1.81E-19	-0.0398576	0.0210204	0.05794175	0.2681916	16	0.56212074
ENSG00000132612	16	VPS4A	69345259	rs11640097	16	69240535	G	T	0.230616	0.00841548	0.00947366	0.374378	0.358624	0.0529692	1.28E-11	0.023466	0.0266431	0.3784507	0.1779089	11	0.8131246
ENSG00000157322	16	CLEC18A	69984810	rs3192882	16	69975631	T	A	0.397614	-0.0065461	0.0080862	0.418208	-1.05216	0.0984122	1.12E-26	0.00622154	0.00770733	0.4195374	0.07564051	20	0.83104717
ENSG00000226232	16	RP11-419C5.2	70010291	rs7189616	16	70039857	C	T	0.385686	-0.0005105	0.00844143	0.951779	-0.897477	0.0756579	1.86E-32	0.00056879	0.00940586	0.9517802	0.08579885	20	0.98687457
ENSG00000255185	16	PDXDC2P	70044654	rs4985460	16	69964374	A	G	0.390656	-0.0065562	0.00808809	0.417599	-0.479455	0.0638373	5.89E-14	0.0136742	0.0169673	0.420293	0.3342938	20	0.83104717
ENSG00000261556	16	RP11-296I10.6	70253477	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.580849	0.0607916	1.24E-21	0.0416065	0.0148359	0.00504021	0.01185559	20	0.28915483
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.658113	0.0448586	9.91E-49	0.0367218	0.0127652	0.00401838	0.01157593	20	0.23678826
ENSG00000103051	16	COG4	70514471	rs4265798	16	70636616	A	T	0.936382	-0.0013545	0.0177476	0.939163	-0.549538	0.0862406	1.86E-10	0.00246483	0.0322978	0.9391678	0.1099531	11	0.9855112
ENSG00000102967	16	DHODH	72042487	rs7195958	16	72036577	G	A	0.491054	-0.0046513	0.00807793	0.564752	-0.530514	0.0720695	1.82E-13	0.00876744	0.0152731	0.5659382	0.00383832	9	0.88384542
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	0.800939	0.0683529	1.03E-31	0.0110083	0.0127891	0.3893703	0.01456169	20	0.8131246
ENSG00000168411	16	RFWD3	74655292	rs3815826	16	74508702	C	T	0.197813	-0.0055688	0.0111122	0.616269	0.756076	0.0931583	4.82E-16	-0.0073654	0.0147252	0.6169399	0.383092	17	0.90452883
ENSG00000184517	16	ZFP1	75182390	rs59477267	16	75175983	T	C	0.333002	0.0119015	0.00833719	0.153432	-0.376471	0.0567313	3.22E-11	-0.0316133	0.0226522	0.1628368	0.8385224	14	0.66726768
ENSG00000205084	16	TMEM231	75572015	rs8060972	16	75607029	T	A	0.117296	-0.0155029	0.0119728	0.195374	-0.499548	0.0895191	2.40E-08	0.0310339	0.024604	0.2071889	0.5344547	6	0.71706814
ENSG00000065457	16	ADAT1	75630879	rs59297469	16	75680507	G	T	0.32505	0.00471505	0.00847495	0.577971	0.537878	0.0860943	4.17E-10	0.00876602	0.0158186	0.5794704	0.05450261	20	0.88600607
ENSG00000152910	16	CNTNAP4	76311176	rs6564298	16	76010598	T	C	0.385686	0.0132335	0.00812558	0.103394	0.442944	0.0682985	8.85E-11	0.0298762	0.0189141	0.1142035	0.2557103	5	0.62310716
ENSG00000103111	16	MON1B	77224732	rs76568663	16	77216821	A	G	0.0944334	0.0246633	0.0208286	0.236371	-0.494204	0.0904588	4.67E-08	-0.0499051	0.0431243	0.247175	0.1782995	13	0.75018932
ENSG00000205078	16	SYCE1L	77233294	rs8398	16	77233338	T	C	0.260437	-0.0136137	0.00898869	0.129889	1.17714	0.0872789	1.86E-41	-0.0115651	0.00768404	0.1323044	0.3754447	20	0.64953202
ENSG00000140873	16	ADAMTS18	77281710	rs2562115	16	77394592	G	A	0.592445	0.00175468	0.00805877	0.827636	-1.16526	0.0959345	5.99E-34	-0.0015058	0.00691697	0.8276625	0.5394349	20	0.95827414
ENSG00000140876	16	NUDT7	77756411	rs4383157	16	77781800	A	G	0.545726	0.00117109	0.00821662	0.886664	0.642317	0.113196	1.39E-08	0.00182323	0.0127962	0.8866993	0.590575	6	0.97641549
ENSG00000186153	16	WWOX	78133310	rs12926850	16	78130294	A	G	0.43837	-0.0041795	0.00813764	0.60753	-0.295427	0.0477696	6.23E-10	0.0141473	0.0276402	0.6087637	0.00093053	20	0.90402898
ENSG00000261390	16	RP11-345M22.2	79750622	rs7196490	16	79752469	C	T	0.414513	0.0139839	0.00844975	0.0979332	-0.624038	0.0906613	5.85E-12	-0.0224087	0.0139263	0.1075962	0.8157374	14	0.61771552
ENSG00000166451	16	CENPN	81040103	rs7195459	16	81049981	G	T	0.138171	-0.0085344	0.00984099	0.385817	0.53777	0.097863	3.90E-08	-0.01587	0.0185261	0.3916512	0.2456554	10	0.81370679
ENSG00000260213	16	RP11-303E16.3	81050397	rs71400133	16	81050218	C	A	0.229622	-0.0036421	0.00866215	0.674149	-0.761975	0.0821961	1.86E-20	0.00477982	0.0113797	0.6744638	0.5342388	20	0.92080185
ENSG00000140905	16	GCSH	81115566	rs8059692	16	81130494	G	A	0.915507	0.00101113	0.0131794	0.938846	0.427528	0.0621431	6.00E-12	0.00236506	0.0308289	0.9388497	0.5798062	19	0.9855112
ENSG00000197943	16	PLCG2	81772702	rs67823242	16	81876369	C	G	0.33996	0.00880817	0.00822176	0.284024	1.02805	0.10102	2.52E-24	0.00856784	0.00804162	0.2866783	0.6871102	17	0.76780717
ENSG00000135698	16	MPHOSPH6	82181403	rs12598269	16	82173176	T	C	0.62326	-0.0051728	0.00862336	0.548598	-0.462669	0.0795329	5.98E-09	0.0111804	0.0187371	0.5507087	0.3867272	12	0.88223002
ENSG00000261103	16	RP11-298D21.3	83743784	rs76995642	16	83730047	C	T	0.141153	0.0148812	0.0116516	0.201538	-0.802417	0.142293	1.71E-08	-0.0185455	0.0148884	0.2128991	0.2975291	3	0.71706814
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.579442	0.0571763	3.89E-24	-0.0047817	0.0139506	0.7317799	0.2135333	20	0.93735246
ENSG00000140955	16	ADAD2	84224744	rs11864916	16	84228305	G	C	0.311133	0.0160265	0.00881752	0.0691305	0.982746	0.0978922	1.03E-23	0.0163079	0.0091182	0.07369567	0.6819088	16	0.58576292
ENSG00000250685	16	RP11-486L19.2	84226164	rs11864916	16	84228305	G	C	0.311133	0.0160265	0.00881752	0.0691305	0.678101	0.103495	5.68E-11	0.0236344	0.0134943	0.07987144	0.7175271	9	0.5956888
ENSG00000135686	16	KLHL36	84682131	rs8053334	16	84694198	C	G	0.349901	0.00271595	0.0092309	0.768587	-0.36511	0.0568814	1.37E-10	-0.0074387	0.0253091	0.7688228	0.5876226	11	0.94619098
ENSG00000270020	16	RP11-463O9.9	86553989	rs11642368	16	86568701	A	T	0.605368	0.00250925	0.00844594	0.766394	-0.880448	0.0946181	1.34E-20	-0.00285	0.00959766	0.7665092	0.3134504	20	0.94613307
ENSG00000103248	16	MTHFSD	86563782	rs9926723	16	86560945	A	C	0.720676	-5.92E-05	0.00981827	0.995187	0.360437	0.0651188	3.11E-08	-0.0001643	0.0272399	0.9951872	0.6636865	14	0.997455
ENSG00000104731	16	KLHDC4	87730091	rs55950332	16	87770469	A	G	0.457256	0.0100022	0.00829856	0.22809	0.358414	0.0493498	3.79E-13	0.0279068	0.0234702	0.2344275	0.311546	14	0.74357473
ENSG00000174990	16	CA5A	87921625	rs6540098	16	87933770	C	T	0.281312	0.00860125	0.00966187	0.373345	0.623127	0.0759896	2.40E-16	0.0138034	0.0155966	0.3761425	0.1387509	19	0.8131246
ENSG00000051523	16	CYBA	88709691	rs13306296	16	88717957	A	G	0.343936	0.00939614	0.00859312	0.274197	-0.355086	0.0535426	3.32E-11	-0.0264616	0.0245268	0.28064	0.7232414	8	0.7658831
ENSG00000260630	16	SNAI3-AS1	88729706	rs72811459	16	88761503	A	C	0.265408	0.00273237	0.00871268	0.753819	-0.317171	0.0528478	1.95E-09	-0.0086148	0.0275075	0.754143	0.1862665	10	0.94386409
ENSG00000198931	16	APRT	88875747	rs1799842	16	88875671	C	T	0.0606362	-0.0570922	0.0212808	0.00730079	-0.612519	0.0934965	5.71E-11	0.0932089	0.0375434	0.01303925	0.7893138	9	0.36421138
ENSG00000176715	16	ACSF3	89154783	rs34450472	16	89229372	C	T	0.251491	-0.01892	0.00863361	0.0284204	0.702853	0.0939043	7.17E-14	-0.0269189	0.0127993	0.03545314	0.1874969	20	0.46953024
ENSG00000259803	16	SLC22A31	89262406	rs76808594	16	89268376	G	T	0.184891	-0.010283	0.0114189	0.367843	0.765225	0.126369	1.40E-09	-0.0134379	0.0150864	0.3730745	0.09972085	20	0.8131246
ENSG00000170100	16	ZNF778	89284118	rs117884871	16	89292039	A	G	0.0188867	0.0198618	0.0227373	0.382372	2.21137	0.277734	1.69E-15	0.00898167	0.0103437	0.3852171	0.3232173	9	0.8131246
ENSG00000167526	16	RPL13	89627065	rs3211568	16	89629780	A	G	0.16004	-0.0077629	0.0137728	0.573	-0.327616	0.0457644	8.14E-13	0.0236951	0.0421696	0.5741845	0.04641356	18	0.88600607
ENSG00000185324	16	CDK10	89747145	rs145590108	16	89641624	T	G	0.0536779	0.0102875	0.0165717	0.534739	-0.590473	0.10728	3.71E-08	-0.0174225	0.0282431	0.5373165	0.9042642	18	0.88027458
ENSG00000075399	16	VPS9D1	89773542	rs9941129	16	89794994	T	C	0.595427	-0.0063309	0.00867147	0.465342	0.281682	0.0488055	7.86E-09	-0.0224752	0.0310299	0.4688764	0.4261021	13	0.85004484
ENSG00000158805	16	ZNF276	89786808	rs60862594	16	89978338	A	G	0.0805169	-0.0205502	0.0180433	0.254729	-0.428805	0.0728411	3.94E-09	0.0479243	0.0428584	0.2634805	0.17663	20	0.75616222
ENSG00000140995	16	DEF8	90014333	rs3803686	16	90020346	C	A	0.171968	-0.0106636	0.0114174	0.350314	-0.472602	0.0751021	3.12E-10	0.0225636	0.0244232	0.3555604	0.5633055	12	0.81042939
ENSG00000141013	16	GAS8	90086037	rs67689854	16	89625227	A	C	0.115308	-0.0015547	0.00991983	0.875464	0.792869	0.125693	2.83E-10	-0.0019608	0.0125152	0.8755025	0.5735025	20	0.97641549
ENSG00000181031	17	RPH3AL	62293	rs35292180	17	72161	A	G	0.274354	0.00088096	0.00871972	0.919526	0.687897	0.0802472	1.02E-17	0.00128065	0.0126768	0.9195319	0.9704944	11	0.98125543
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	0.60569	0.0554301	8.55E-28	0.019529	0.0154971	0.2076088	0.5252146	14	0.71706814
ENSG00000167695	17	FAM57A	635652	rs2657621	17	635080	C	A	0.472167	0.0121618	0.008267	0.141258	0.515683	0.0682729	4.24E-14	0.0235839	0.0163324	0.148741	0.2783133	14	0.66214005
ENSG00000231784	17	DBIL5P	655900	rs2750006	17	659371	A	G	0.0337972	0.0197143	0.0229725	0.390799	1.3375	0.241271	2.96E-08	0.0147397	0.0173803	0.3964001	0.03689946	3	0.81535453
ENSG00000177370	17	TIMM22	900357	rs3744750	17	907315	T	C	0.751491	-0.0018784	0.00879942	0.830966	-0.501484	0.0748328	2.06E-11	0.00374558	0.0175557	0.8310503	0.1135706	8	0.96017291
ENSG00000167711	17	SERPINF2	1646130	rs10438725	17	1651165	T	C	0.220676	-0.001679	0.00995122	0.866016	0.683489	0.080594	2.24E-17	-0.0024565	0.0145623	0.8660416	0.8109926	12	0.97500756
ENSG00000186532	17	SMYD4	1682779	rs9889773	17	1680318	G	A	0.338966	0.0113945	0.00821302	0.165327	-0.599281	0.0927664	1.05E-10	-0.0190136	0.0140173	0.1749585	0.3394467	4	0.67694186
ENSG00000167720	17	SRR	2206677	rs112258894	17	2157817	T	C	0.355865	0.0143406	0.00835599	0.0861232	-0.576222	0.0668902	7.03E-18	-0.0248873	0.0147863	0.09235011	0.1329783	20	0.61080687
ENSG00000167723	17	TRPV3	3413796	rs1810048	17	3434262	A	G	0.131213	0.0117516	0.00999964	0.239913	-0.735498	0.0916703	1.03E-15	-0.0159777	0.0137408	0.2449127	0.2307504	12	0.75018932
ENSG00000197417	17	SHPK	3511556	rs62069928	17	3514598	T	C	0.241551	0.0136324	0.00925157	0.140611	0.791465	0.0830471	1.57E-21	0.0172243	0.0118281	0.1453319	0.2479839	7	0.66214005
ENSG00000040531	17	CTNS	3539762	rs1048682	17	3564779	T	C	0.228628	-0.0080025	0.0091676	0.382714	-0.44071	0.0736764	2.21E-09	0.0181581	0.0210222	0.3877208	0.2124923	3	0.8131246
ENSG00000161921	17	CXCL16	4636821	rs752371	17	4642815	T	C	0.220676	-0.0011284	0.0101425	0.911417	0.379329	0.0602624	3.08E-10	-0.0029747	0.0267422	0.9114306	0.7073118	3	0.97933547
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-1.0402	0.127508	3.41E-16	0.013374	0.0129806	0.3028671	0.9133635	9	0.7730656
ENSG00000108556	17	CHRNE	4801069	rs7214776	17	4811615	C	T	0.10338	-0.0200364	0.0117824	0.0890287	0.927281	0.124944	1.16E-13	-0.0216077	0.0130357	0.09740233	0.9810623	20	0.61356312
ENSG00000091640	17	SPAG7	4862521	rs16954304	17	4871518	C	T	0.082505	0.00772859	0.0134213	0.564718	0.563353	0.0744786	3.91E-14	0.0137189	0.0238929	0.5658436	0.4344396	17	0.88384542
ENSG00000234327	17	AC012146.7	5014763	rs56197642	17	5018244	G	C	0.111332	-0.0080551	0.0103627	0.436972	-0.624399	0.0777379	9.58E-16	0.0129005	0.0166738	0.4391093	0.2893446	12	0.84015584
ENSG00000167842	17	MIS12	5389605	rs11658701	17	5368356	C	G	0.23161	-0.0031294	0.0100928	0.756511	0.379798	0.0686331	3.13E-08	-0.0082397	0.0266158	0.7568811	0.7984939	5	0.94386409
ENSG00000170291	17	ELP5	7154735	rs2521989	17	7161628	C	T	0.634195	-0.0069747	0.00848305	0.410966	-0.358393	0.0565373	2.31E-10	0.0194611	0.023868	0.4148634	0.2666196	8	0.82837215
ENSG00000132507	17	EIF5A	7210318	rs11658072	17	7214824	T	C	0.607356	0.00970848	0.0089914	0.280252	-0.388194	0.0543726	9.37E-13	-0.0250094	0.0234255	0.2856958	0.06003589	11	0.7677711
ENSG00000220205	17	VAMP2	8062467	rs8075427	17	8060863	G	T	0.682903	0.0158349	0.00958875	0.0986552	0.449746	0.0582844	1.20E-14	0.0352085	0.0218031	0.1063459	0.5830604	15	0.61771552
ENSG00000109047	17	RCVRN	9799637	rs4668	17	9814423	C	T	0.557654	-0.0113918	0.00812007	0.16064	-1.13898	0.0956089	1.01E-32	0.0100018	0.00717851	0.1635319	0.03584529	13	0.66726768
ENSG00000133028	17	SCO1	10583654	rs56363722	17	10576357	G	T	0.471173	0.0100636	0.00817403	0.218258	0.413244	0.0594119	3.51E-12	0.0243527	0.0200876	0.2253889	0.9375385	10	0.72892317
ENSG00000187824	17	TMEM220	10602332	rs418557	17	10632975	T	C	0.474155	0.0115038	0.00812364	0.156749	-0.478981	0.0446631	7.83E-27	-0.0240172	0.0171075	0.1603477	0.9926343	13	0.66726768
ENSG00000006744	17	ELAC2	12895708	rs2523	17	12895815	T	C	0.606362	0.00583411	0.00825144	0.47954	0.511844	0.0568923	2.33E-19	0.0113982	0.0161707	0.4808923	0.4291874	14	0.85575385
ENSG00000125409	17	TEKT3	15207128	rs189330	17	15460005	T	A	0.326044	0.0167038	0.0083859	0.0463831	-0.585779	0.0780367	6.07E-14	-0.0285155	0.0148113	0.0541967	0.09376152	11	0.56212074
ENSG00000239704	17	CDRT4	15339332	rs9903674	17	15418770	C	T	0.580517	-0.0054621	0.00808337	0.499217	0.495849	0.0656546	4.27E-14	-0.0110157	0.0163672	0.500926	0.1779179	19	0.86877057
ENSG00000214946	17	TBC1D26	15635561	rs4471717	17	15621373	G	A	0.749503	-0.0198581	0.00878057	0.0237225	0.427951	0.0567288	4.56E-14	-0.0464027	0.0214199	0.03028537	0.350308	20	0.45663232
ENSG00000233002	17	AC005324.6	15638337	rs55867746	17	15646836	G	C	0.225646	0.00112634	0.010183	0.911926	0.608691	0.0796162	2.08E-14	0.00185043	0.0167311	0.9119349	0.07818383	8	0.97933547
ENSG00000179277	17	MEIS3P1	15689932	rs533073	17	15689939	G	A	0.301193	-0.0073536	0.00864761	0.395125	-0.46421	0.0710184	6.30E-11	0.015841	0.0187856	0.3990877	0.3670242	9	0.81833134
ENSG00000265519	17	CTD-3157E16.1	15691101	rs534861	17	15690793	C	T	0.303181	-0.0069952	0.00864396	0.418364	-0.579844	0.0817847	1.34E-12	0.012064	0.0150042	0.4213724	0.3978699	10	0.83155599
ENSG00000214941	17	ZSWIM7	15879874	rs8076669	17	15888448	C	T	0.565606	0.00036585	0.00820522	0.964437	-0.396928	0.0529061	6.26E-14	-0.0009217	0.0206722	0.9644371	0.6396422	17	0.98687457
ENSG00000011295	17	TTC19	15902694	rs2301652	17	15928584	G	T	0.524851	0.00982828	0.00812163	0.226226	0.29466	0.0474487	5.30E-10	0.0333546	0.0280812	0.2349144	0.02976905	10	0.74359457
ENSG00000166582	17	CENPV	16245848	rs12603712	17	16245481	A	G	0.464215	0.00343096	0.00804944	0.669936	0.78333	0.0653362	4.05E-33	0.00437997	0.0102824	0.6701321	0.4205277	20	0.91826822
ENSG00000154803	17	FLCN	17115526	rs1708618	17	17131869	C	T	0.567594	-0.008569	0.00842558	0.309142	0.47128	0.0494616	1.60E-21	-0.0181824	0.0179796	0.3118831	0.2151089	20	0.77400383
ENSG00000131899	17	LLGL1	18128901	rs28364628	17	18163262	T	C	0.265408	-0.0048574	0.00868235	0.575848	-0.252492	0.0457734	3.47E-08	0.0192379	0.034563	0.5777982	0.4893777	5	0.88600607
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.780908	0.0714595	8.47E-28	-0.0069206	0.0104814	0.5090787	0.9204281	20	0.87067964
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.936018	0.0769072	4.45E-34	-0.0057738	0.00874139	0.5089288	0.9192249	20	0.87067964
ENSG00000213077	17	FAM106A	18427880	rs62072802	17	18490410	G	A	0.465209	0.00584692	0.00816813	0.474101	-0.602705	0.0873572	5.23E-12	-0.0097011	0.0136252	0.4764653	0.7345339	7	0.85452952
ENSG00000171928	17	TVP23B	18684308	rs9908821	17	18679404	G	A	0.497018	0.0035005	0.00810552	0.665839	-0.441628	0.0535917	1.71E-16	-0.0079264	0.0183789	0.6662689	0.1328613	20	0.91826822
ENSG00000141127	17	PRPSAP2	18743398	rs2305064	17	18770733	A	G	0.557654	0.00363959	0.00808124	0.652441	0.513143	0.052488	1.42E-22	0.00709274	0.0157652	0.652784	0.4660436	20	0.91325402
ENSG00000142494	17	SLC47A1	19398698	rs2453584	17	19443445	C	G	0.397614	-0.0019187	0.0090559	0.832205	0.719781	0.0983467	2.50E-13	-0.0026657	0.0125867	0.8322737	0.6172369	15	0.96017291
ENSG00000228331	17	RPL17P43	19400256	rs8078465	17	19410134	G	A	0.186879	0.00522786	0.0089834	0.560602	-0.47828	0.0808432	3.30E-09	-0.0109305	0.0188734	0.5624869	0.969263	9	0.88384542
ENSG00000262681	17	RP11-311F12.1	19622372	rs2935106	17	19491931	C	T	0.621272	0.00883952	0.00819624	0.280817	-0.495015	0.0830601	2.53E-09	-0.0178571	0.0168265	0.2885771	0.8110798	6	0.76924744
ENSG00000154898	17	CCDC144CP	20224477	rs79773274	17	19905931	T	C	0.111332	0.0230668	0.0132852	0.0825144	0.888668	0.121289	2.36E-13	0.0259566	0.0153636	0.09112598	0.5188685	16	0.60921089
ENSG00000230528	17	NOS2P3	20339650	rs4985913	17	20311541	C	G	0.425447	0.00971818	0.00833095	0.243406	-0.698743	0.0828875	3.46E-17	-0.0139081	0.0120364	0.2478837	0.07343463	20	0.75018932
ENSG00000266369	17	RP11-344E13.4	20759259	rs35202842	17	20801239	A	G	0.151093	-0.0118761	0.0108968	0.275772	0.937983	0.144731	9.12E-11	-0.0126613	0.0117804	0.2824737	0.9157303	4	0.76635258
ENSG00000007171	17	NOS2	26083792	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	-0.868786	0.0734062	2.56E-32	0.0112213	0.0112958	0.3205097	0.3008661	13	0.7795623
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.545905	0.0521543	1.22E-25	-0.0178583	0.0179944	0.320984	0.2889399	12	0.77986469
ENSG00000109084	17	TMEM97	26646121	rs6505079	17	26718177	A	T	0.5	0.00219632	0.00811778	0.786732	0.424132	0.0723415	4.55E-09	0.00517839	0.0191601	0.7869532	0.9338218	5	0.94619098
ENSG00000004142	17	POLDIP2	26673659	rs11080054	17	26645991	A	G	0.570577	0.00219138	0.00808949	0.786473	0.324505	0.0457018	1.24E-12	0.00675299	0.0249468	0.7866254	0.6544999	9	0.94619098
ENSG00000167525	17	PROCA1	27030215	rs9911086	17	27061586	T	C	0.0725646	-0.0136658	0.0147034	0.352663	-0.65611	0.112049	4.75E-09	0.0208285	0.0226905	0.3586503	0.7621165	6	0.81217999
ENSG00000108587	17	GOSR1	28804380	rs11080127	17	28797497	G	A	0.516899	-0.0058894	0.00805538	0.464711	-0.364166	0.0535485	1.04E-11	0.0161722	0.0222475	0.4672733	0.4541434	17	0.85004484
ENSG00000264538	17	SUZ12P	29036317	rs8070182	17	29135594	C	A	0.107356	0.00384037	0.0142578	0.787659	-0.869652	0.0801237	1.91E-27	-0.004416	0.0163999	0.7877224	0.9838048	12	0.94619098
ENSG00000266490	17	CTD-2349P21.9	29119390	rs7504112	17	29073773	C	T	0.275348	-0.0128973	0.0089406	0.149145	0.716654	0.0834344	8.74E-18	-0.0179966	0.0126502	0.1548433	0.2438404	10	0.66726768
ENSG00000185158	17	LRRC37B	30334891	rs551934444	17	30359495	T	A	0.148111	-0.0178628	0.012089	0.139512	0.650016	0.105775	7.98E-10	-0.0274806	0.0191281	0.1508143	0.5995074	17	0.66222785
ENSG00000141314	17	RHBDL3	30593195	rs16967266	17	30632274	A	G	0.626243	-0.0078376	0.00849356	0.356125	-0.49838	0.0708442	1.99E-12	0.0157262	0.0171883	0.3602254	0.3629978	12	0.81217999
ENSG00000132141	17	CCT6B	33254878	rs11658532	17	33197137	C	T	0.220676	0.00593543	0.00994692	0.550701	0.391917	0.0706087	2.85E-08	0.0151446	0.0255264	0.5529859	0.827729	7	0.88290059
ENSG00000005156	17	LIG3	33307513	rs3135967	17	33313729	G	A	0.489066	-0.0045364	0.00814641	0.577626	-0.609089	0.0760362	1.14E-15	0.00744779	0.013407	0.5785428	0.08594883	8	0.88600607
ENSG00000166750	17	SLFN5	33570055	rs11867191	17	33569114	C	T	0.505964	-0.0053822	0.00809226	0.505981	0.52835	0.0566289	1.06E-20	-0.0101869	0.015355	0.5070577	0.2392528	19	0.87067964
ENSG00000006125	17	AP2B1	33905065	rs11080363	17	34259429	A	C	0.0516899	-0.0150702	0.0176326	0.39273	0.84049	0.131323	1.55E-10	-0.0179303	0.0211652	0.3969071	0.514179	7	0.81576156
ENSG00000073605	17	GSDMB	38060848	rs35336365	17	38050715	G	A	0.0357853	0.00266664	0.0196427	0.892013	-0.629117	0.0911495	5.13E-12	-0.0042387	0.0312287	0.8920339	0.4662517	6	0.97882639
ENSG00000188895	17	MSL1	38278551	rs117827273	17	38279036	G	C	0.161034	-0.0138363	0.0108414	0.20187	-0.6142	0.0982108	4.00E-10	0.0225274	0.0180151	0.2111265	0.9157843	7	0.71706814
ENSG00000108244	17	KRT23	39078948	rs8070427	17	39093376	T	C	0.299205	-0.0003685	0.00910467	0.96772	0.788451	0.117684	2.09E-11	-0.0004673	0.0115478	0.9677202	0.6751688	8	0.98748223
ENSG00000173801	17	JUP	39775692	rs2353022	17	39944655	T	C	0.675944	-0.0030581	0.00828606	0.71208	0.29454	0.0466346	2.69E-10	-0.0103826	0.0281802	0.7125491	0.5103923	10	0.93557648
ENSG00000141698	17	NT5C3B	39981335	rs10852947	17	39989073	T	C	0.72664	-0.0080444	0.00852891	0.345584	-0.24153	0.0350039	5.20E-12	0.0333059	0.0356404	0.3500468	0.3686207	12	0.80500918
ENSG00000037042	17	TUBG2	40811323	rs4793098	17	40833187	G	C	0.525845	0.00544505	0.00808178	0.500475	-0.372623	0.0436631	1.41E-17	-0.0146128	0.0217564	0.501804	0.0946692	14	0.86877057
ENSG00000198496	17	NBR2	41277627	rs33946455	17	41321846	T	C	0.359841	0.020176	0.00828931	0.0149341	-1.24968	0.0881854	1.38E-45	-0.0161449	0.00673028	0.01644657	0.6512096	20	0.3910135
ENSG00000267080	17	ASB16-AS1	42253341	rs7214540	17	42256604	G	A	0.297217	-0.0264597	0.00865247	0.00222777	-0.47688	0.0803542	2.94E-09	0.055485	0.020411	0.00656011	0.846525	7	0.33463226
ENSG00000013306	17	SLC25A39	42396993	rs850719	17	42394461	G	A	0.630219	-0.0230185	0.00868264	0.00802324	-0.343817	0.0498679	5.40E-12	0.0669499	0.0270563	0.01334354	0.624343	8	0.36421138
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-0.90323	0.0869558	2.83E-25	-0.0279396	0.0131714	0.03390229	0.00149469	20	0.4684196
ENSG00000136448	17	NMT1	43128978	rs7214267	17	43157709	A	G	0.527833	0.012949	0.00808877	0.109407	-0.331349	0.0548336	1.51E-09	-0.0390796	0.0252537	0.1217478	0.00033655	16	0.6364137
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.692087	0.0726198	1.57E-21	0.0279466	0.0128743	0.02995125	0.1824036	13	0.45663232
ENSG00000225190	17	PLEKHM1	43513266	rs62065444	17	43565599	C	T	0.195825	0.00573184	0.0183181	0.754352	0.414588	0.062994	4.66E-11	0.0138254	0.0442338	0.7546205	0.4315672	18	0.94386409
ENSG00000214425	17	LRRC37A4P	43578685	rs2668645	17	44288640	G	A	0.242545	-0.0039877	0.0148208	0.787883	-1.09662	0.0925715	2.25E-32	0.00363635	0.0135185	0.7879366	0.9821677	4	0.94619098
ENSG00000266918	17	RP11-798G7.8	43608943	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	0.691171	0.120392	9.41E-09	0.01059	0.0122247	0.386334	0.1267535	8	0.8131246
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.17097	0.101295	6.57E-31	-0.0048819	0.0127916	0.7027234	0.4172712	12	0.93377999
ENSG00000263503	17	RP11-707O23.5	43678235	rs111511018	17	43794828	C	T	0.239563	-0.0056812	0.0148458	0.701956	1.1498	0.102059	1.93E-29	-0.0049411	0.0129191	0.7021192	0.9962489	5	0.93377999
ENSG00000204650	17	CRHR1-IT1	43697694	rs62063281	17	44038785	G	A	0.241551	-0.0029719	0.014977	0.842709	0.857494	0.0741774	6.57E-31	-0.0034658	0.0174686	0.8427318	0.9915608	9	0.96652291
ENSG00000120071	17	KANSL1	44107282	rs11656151	17	44068492	G	A	0.200795	-0.0094741	0.00997157	0.342056	0.456652	0.0766902	2.61E-09	-0.0207469	0.0221125	0.3481198	0.2509221	10	0.80500918
ENSG00000214401	17	KANSL1-AS1	44270942	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.18628	0.0846118	1.17E-44	-0.0048189	0.0126243	0.702674	0.9671677	10	0.93377999
ENSG00000262500	17	RP11-259G18.2	44320972	rs62061822	17	44186894	C	A	0.241551	-0.0059355	0.0148366	0.689112	1.14454	0.108106	3.42E-26	-0.005186	0.0129722	0.689322	0.7849025	10	0.93144944
ENSG00000262539	17	RP11-259G18.3	44336917	rs111511018	17	43794828	C	T	0.239563	-0.0056812	0.0148458	0.701956	1.25967	0.0977691	5.53E-38	-0.0045101	0.0117907	0.7020807	0.9867261	4	0.93377999
ENSG00000261575	17	RP11-259G18.1	44344403	rs757055	17	43946875	T	C	0.239563	-0.0057959	0.0148301	0.695931	0.984488	0.117874	6.71E-17	-0.0058872	0.0150803	0.6962471	0.9863663	4	0.93377999
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.08092	0.111724	3.85E-22	-0.0067716	0.00775893	0.3828016	0.6112189	10	0.8131246
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.10137	0.0860962	1.81E-37	-0.0064527	0.00743135	0.3852278	0.3653274	20	0.8131246
ENSG00000260075	17	NSFP1	44450221	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.22176	0.111876	9.18E-28	-0.005991	0.0068585	0.3823847	0.5441094	20	0.8131246
ENSG00000238083	17	LRRC37A2	44588877	rs9897399	17	43804317	G	A	0.759443	0.00614629	0.0148249	0.678441	-1.19567	0.0942189	6.69E-37	-0.0051405	0.0124054	0.6786022	0.9921921	7	0.92501612
ENSG00000185829	17	ARL17A	44594068	rs757055	17	43946875	T	C	0.239563	-0.0057959	0.0148301	0.695931	0.800474	0.109999	3.41E-13	-0.0072406	0.0185533	0.6963471	0.6578784	6	0.93377999
ENSG00000262879	17	RP11-156P1.3	45061411	rs17616383	17	45073586	A	G	0.107356	0.0334154	0.0150883	0.0267837	1.2322	0.146097	3.34E-17	0.0271185	0.0126601	0.03219018	0.8034024	20	0.46470893
ENSG00000159111	17	MRPL10	45900638	rs77660208	17	45888254	A	C	0.054672	-0.0158158	0.0261513	0.545324	-0.838078	0.132121	2.25E-10	0.0188715	0.0313454	0.5471406	0.4746201	4	0.88105123
ENSG00000141295	17	SCRN2	45915058	rs59715174	17	45931413	G	A	0.158052	0.0228392	0.0120512	0.0580684	-0.525668	0.0743604	1.56E-12	-0.043448	0.0237351	0.06716934	0.1824137	10	0.57928068
ENSG00000264920	17	RP11-6N17.4	45968621	rs11079803	17	46019901	A	G	0.492048	-0.0093084	0.00805624	0.247916	0.372989	0.0666485	2.19E-08	-0.0249562	0.0220547	0.2578191	0.01851485	6	0.75616222
ENSG00000248278	17	RP11-463M16.4	46952222	rs1985785	17	46967788	C	T	0.564612	0.0343584	0.00807529	2.09E-05	0.728502	0.101908	8.76E-13	0.0471631	0.0128996	0.00025601	0.5627668	9	0.13512398
ENSG00000159210	17	SNF8	47006678	rs999475	17	46988044	A	G	0.266402	-0.0219376	0.00911226	0.0160628	-0.434717	0.0693186	3.58E-10	0.0504641	0.0224528	0.02460433	0.1088843	8	0.44349033
ENSG00000005884	17	ITGA3	48133332	rs9893356	17	48136824	T	C	0.0775348	-0.0054199	0.0127311	0.670312	-0.547105	0.0981137	2.46E-08	0.00990649	0.0233377	0.671212	0.2076268	7	0.91826822
ENSG00000108823	17	SGCA	48241575	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.866995	0.0891043	2.24E-22	-0.0072643	0.00969828	0.4538416	0.7022809	13	0.84363563
ENSG00000136457	17	CHAD	48541857	rs2898945	17	48553916	G	C	0.577535	0.0125614	0.00807607	0.119853	0.465481	0.0646294	5.92E-13	0.0269858	0.0177499	0.1284263	0.6424646	14	0.64953202
ENSG00000136444	17	RSAD1	48556161	rs2412324	17	48532793	C	T	0.562624	0.00813418	0.00805182	0.312386	-0.329907	0.0497055	3.20E-11	-0.024656	0.0246874	0.3179273	0.5923277	11	0.77686125
ENSG00000250286	17	RP11-94C24.8	48614655	rs3785915	17	48613837	G	A	0.720676	-0.000928	0.00870049	0.91506	-0.679227	0.0912501	9.80E-14	0.00136624	0.0128107	0.9150683	0.2159318	11	0.97960182
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.844887	0.0611707	2.16E-43	-0.0164841	0.0102133	0.1065327	0.4553769	20	0.61771552
ENSG00000154945	17	ANKRD40	48770551	rs12452333	17	48824922	C	T	0.310139	-0.0189609	0.00899966	0.0351301	-0.221939	0.0308779	6.59E-13	0.0854329	0.0422563	0.04319908	0.5211799	8	0.50443527

ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.450283	0.044315	2.96E-24	-0.0270479	0.0186591	0.147175	0.3918648	20	0.66214005
ENSG00000243678	17	NME1-NME2	49230920	rs35517913	17	49240037	A	C	0.436382	-0.0120045	0.00807586	0.137154	-0.216158	0.0370272	5.29E-09	0.0555358	0.038553	0.1497252	0.2752829	11	0.66214005
ENSG00000011260	17	UTP18	49337889	rs11867403	17	49375651	G	T	0.479125	0.0148097	0.00805597	0.06601	0.446392	0.0597048	7.62E-14	0.0331764	0.0185844	0.07423214	0.2543256	17	0.58576292
ENSG00000166260	17	COX11	53029263	rs17745279	17	53042743	G	T	0.269384	0.00552494	0.00901827	0.540116	-0.447398	0.0539512	1.11E-16	-0.012349	0.0202121	0.5412171	0.2406781	18	0.88027458
ENSG00000166263	17	STXBP4	53046088	rs244294	17	53228543	G	A	0.284294	-0.013716	0.00890938	0.123681	-0.341798	0.0584381	4.95E-09	0.040129	0.026954	0.1365421	0.9242781	11	0.64953202
ENSG00000263004	17	RP11-166P13.3	55155659	rs12601109	17	55156055	A	G	0.37674	0.00121734	0.00808545	0.880324	-0.447855	0.0792642	1.60E-08	-0.0027182	0.0180601	0.8803655	0.4276107	3	0.97641549
ENSG00000121101	17	TEX14	56634039	rs12938827	17	56919042	A	G	0.352883	0.00861241	0.00896315	0.336619	0.646693	0.0936488	5.00E-12	0.0133176	0.0139935	0.3412493	0.2579619	19	0.80335139
ENSG00000068097	17	HEATR6	58120555	rs79483284	17	58175171	A	C	0.0427435	0.013437	0.0164873	0.415078	0.972688	0.141317	5.86E-12	0.0138143	0.0170687	0.4183212	0.9908852	20	0.83003733
ENSG00000008283	17	CYB561	61509665	rs2286569	17	61518005	C	T	0.478131	-0.0215308	0.00808332	0.0077309	-0.378656	0.0317045	7.04E-33	0.0568611	0.0218718	0.00932945	0.8189715	20	0.34100144
ENSG00000108592	17	FTSJ3	61896793	rs8079818	17	61824667	G	C	0.597416	-0.0056365	0.0084201	0.503239	0.639413	0.0571436	4.59E-29	-0.008815	0.013192	0.5039999	0.5152488	20	0.86961087
ENSG00000176809	17	LRRC37A3	62850430	rs41410147	17	62962184	T	C	0.084493	-0.0205939	0.0172927	0.233694	0.958393	0.133993	8.52E-13	-0.0214879	0.0182918	0.240103	0.4995719	3	0.74968171
ENSG00000196704	17	AMZ2	66243715	rs8074719	17	66215837	T	A	0.461233	0.00715084	0.00815222	0.380397	-0.374033	0.0610809	9.15E-10	-0.0191182	0.0220179	0.3852292	0.2026548	12	0.8131246
ENSG00000141338	17	ABCA8	66863433	rs34931250	17	66879927	T	C	0.0497018	-0.0081018	0.0163429	0.620079	1.14456	0.128552	5.41E-19	-0.0070785	0.0143009	0.6206206	0.5380867	3	0.90610189
ENSG00000154262	17	ABCA6	67074843	rs7211358	17	67134928	T	C	0.683897	0.00297591	0.0084799	0.725635	0.463114	0.0821324	1.71E-08	0.00642587	0.018346	0.7261442	0.7431347	6	0.93728518
ENSG00000125450	17	NUP85	73201754	rs1478785	17	73222865	A	G	0.754473	0.0184148	0.0110806	0.0965339	-0.762378	0.0757397	7.83E-24	-0.0241544	0.014731	0.1010681	0.2795345	20	0.61771552
ENSG00000141569	17	TRIM65	73876416	rs8081954	17	73884193	T	A	0.362823	0.0097636	0.0093057	0.294083	0.285521	0.0452598	2.82E-10	0.0341957	0.0330397	0.3006738	0.8963752	17	0.77288957
ENSG00000188878	17	FBF1	73905655	rs1463486	17	73943942	A	G	0.239563	0.0149695	0.010545	0.15573	0.517428	0.0714247	4.34E-13	0.0289306	0.0207672	0.1635931	0.9169104	20	0.66726768
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.623593	0.0740753	3.82E-17	0.0177885	0.0173023	0.3039007	0.9485839	12	0.7730656
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.548393	0.063851	8.80E-18	0.0202278	0.0196691	0.3037591	0.5333102	14	0.7730656
ENSG00000129646	17	QRICH2	74270130	rs11077811	17	74285242	A	G	0.243539	0.0150063	0.0100009	0.133484	-0.297866	0.0507267	4.31E-09	-0.0503794	0.034654	0.1460071	0.3197074	9	0.66214005
ENSG00000161542	17	PRPSAP1	74305567	rs379503	17	74308358	C	A	0.300199	0.0154591	0.00923222	0.0940373	-0.328401	0.0539471	1.15E-09	-0.0470739	0.0291568	0.1064175	0.08411567	4	0.61771552
ENSG00000182534	17	MXRA7	74668633	rs11869629	17	74677156	T	C	0.804175	0.003673	0.0104029	0.724031	-0.716423	0.0578146	2.90E-35	-0.0051269	0.0145265	0.7241399	0.5519131	20	0.93728518
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086057	17	74819228	G	A	0.0864811	-0.007793	0.0145054	0.591099	1.65396	0.218727	3.98E-14	-0.0047117	0.00879221	0.5920309	0.1447409	14	0.89561036
ENSG00000167900	17	TK1	76170160	rs144204502	17	76183233	T	C	0.0119284	-0.0148516	0.0211157	0.481839	1.12991	0.17528	1.15E-10	-0.0131441	0.0187989	0.4844305	0.9744459	5	0.85972568
ENSG00000204278	17	TMEM235	76227391	rs75817541	17	76237386	T	C	0.0208748	0.0123377	0.0233368	0.597028	-0.953453	0.15813	1.64E-09	-0.01294	0.02457	0.5984301	0.5001992	3	0.89730513
ENSG00000267432	17	RP11-559N14.5	76480964	rs894976	17	76485661	G	A	0.286282	0.00484118	0.00848023	0.568082	0.654168	0.093558	2.71E-12	0.00740051	0.0130065	0.5693663	0.9144657	12	0.88600607
ENSG00000055483	17	USP36	76783463	rs3826552	17	76793885	A	G	0.536779	0.0176969	0.00829403	0.0328678	0.432835	0.0542801	1.53E-15	0.040886	0.0198362	0.03928597	0.6337675	17	0.47997998
ENSG00000167280	17	ENGASE	77071021	rs3744189	17	77078451	T	C	0.124254	-0.0106345	0.0157847	0.500487	0.557218	0.0834453	2.43E-11	-0.019085	0.0284715	0.5026545	0.5474979	5	0.86926948
ENSG00000141519	17	CCDC40	78010435	rs3764440	17	78011691	G	A	0.219682	0.0137119	0.00890707	0.123697	0.909605	0.0898107	4.15E-24	0.0150746	0.00990471	0.1280193	0.02365898	10	0.64953202
ENSG00000171298	17	GAA	78075355	rs2304849	17	78075462	C	G	0.244533	-0.0182603	0.0101836	0.0729558	-0.595873	0.0764958	6.72E-15	0.0306446	0.0175372	0.08056627	0.00986514	19	0.59655973
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.668522	0.0687038	2.23E-22	0.015859	0.0127262	0.212702	0.2905365	12	0.71706814
ENSG00000261924	17	CTD-2561B21.5	78940039	rs4969325	17	78962932	G	A	0.750497	0.0102794	0.00919925	0.263815	-0.647178	0.109487	3.40E-09	-0.0158834	0.0144662	0.2722173	0.9593561	9	0.76018963
ENSG00000262873	17	CTD-2561B21.11	78991769	rs56350536	17	79000337	G	C	0.241551	0.0217349	0.0102173	0.0333987	0.47813	0.063093	3.50E-14	0.0454581	0.0221953	0.04055004	0.393678	5	0.48341214
ENSG00000263154	17	RP11-1055B8.2	79336072	rs11654684	17	79353391	A	G	0.38171	0.00253177	0.0084348	0.764057	0.614534	0.112497	4.69E-08	0.00411982	0.0137462	0.7644017	0.7665802	4	0.94565716
ENSG00000262223	17	RP11-1055B8.3	79349801	rs67596972	17	79357486	G	A	0.37674	0.00190824	0.00852722	0.822927	0.477919	0.0643011	1.07E-13	0.00399281	0.0178505	0.8230057	0.7599921	5	0.95584789
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.988546	0.107931	5.24E-20	-0.0096696	0.0126982	0.4463636	0.8928274	9	0.84232919
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-1.0583	0.0889932	1.30E-32	0.00954191	0.00991582	0.3359034	0.1915875	16	0.79837012
ENSG00000185105	17	MYADML2	79897521	rs4796856	17	79899272	G	A	0.600398	0.00777691	0.00839505	0.354254	-0.267754	0.0484956	3.37E-08	-0.029045	0.0317919	0.360928	0.6159053	4	0.81217999
ENSG00000169689	17	STRA13	79976578	rs3934983	17	79980756	A	C	0.55666	-0.0044455	0.00834142	0.594077	0.557483	0.0614929	1.24E-19	-0.0079741	0.0149885	0.5947133	0.01377645	9	0.89561036
ENSG00000176155	17	CCDC57	80059336	rs8077079	17	80059011	T	C	0.483101	0.0102853	0.00805448	0.201616	0.320744	0.0477547	1.86E-11	0.032067	0.0255617	0.2096623	0.4395691	11	0.71706814
ENSG00000178927	17	C17orf62	80400465	rs9303029	17	80408815	T	C	0.127237	-0.0239175	0.0107878	0.0266171	-0.524249	0.0648341	6.16E-16	0.0456224	0.0213371	0.03250284	0.5382238	10	0.46470893
ENSG00000141562	17	NARF	80416056	rs12051807	17	80417422	A	C	0.374751	-0.0143438	0.00852317	0.0923911	-0.328029	0.0513382	1.66E-10	0.0437272	0.0268691	0.1036487	0.3748332	18	0.61771552
ENSG00000141560	17	FN3KRP	80674559	rs58867683	17	80679455	A	T	0.406561	0.00284553	0.00848782	0.737437	-0.797659	0.0680326	9.53E-32	-0.0035674	0.0106453	0.7375409	0.5248644	20	0.93797307
ENSG00000141556	17	TBCD	80709940	rs11550062	17	80710097	T	G	0.134195	-0.0045853	0.0122849	0.708965	-0.302662	0.047211	1.45E-10	0.01515	0.0406582	0.7094332	0.2379274	10	0.9353504
ENSG00000175711	17	B3GNTL1	80900031	rs57923322	17	81009636	G	T	0.229622	0.00156324	0.00869716	0.857356	-0.40751	0.0645925	2.81E-10	-0.0038361	0.0213509	0.8574128	0.8125648	6	0.97143175
ENSG00000263006	18	ROCK1P1	109065	rs8098887	18	113613	C	T	0.302187	0.00188362	0.00836897	0.821923	0.906112	0.0940948	5.99E-22	0.00207879	0.00923865	0.8219711	0.355588	20	0.95584789
ENSG00000101557	18	USP14	158383	rs7244818	18	261903	G	T	0.2833	-0.0061013	0.00908145	0.501684	-0.30785	0.0464993	3.58E-11	0.0198191	0.0296511	0.5038717	0.2634277	17	0.86961087
ENSG00000132199	18	ENOSF1	670324	rs76383675	18	698311	T	C	0.0924453	0.0176576	0.0124677	0.156696	0.409272	0.0745637	4.04E-08	0.0431439	0.0314608	0.1702649	0.2531639	7	0.67466827
ENSG00000266513	18	RP11-874J12.3	3770017	rs3844078	18	3774136	A	G	0.450298	-0.00564	0.00824179	0.493773	0.449199	0.0764598	4.23E-09	-0.0125557	0.0184718	0.4966784	0.7161221	8	0.86756558
ENSG00000263753	18	LINC00667	5232875	rs9948693	18	5247432	T	C	0.387674	0.00299857	0.00830116	0.717933	0.623398	0.0718764	4.20E-18	0.00481004	0.0133275	0.7181666	0.6333923	20	0.9357669
ENSG00000266441	18	RP11-91I8.3	6728820	rs7237204	18	6730719	C	A	0.516899	0.00104156	0.00805832	0.897157	0.654143	0.0956207	7.86E-12	0.00159225	0.0123211	0.8971759	0.5086518	9	0.97933547
ENSG00000101680	18	LAMA1	6941743	rs2045781	18	7094612	T	C	0.89165	0.00118521	0.0113868	0.917101	0.507687	0.0828724	9.00E-10	0.00233453	0.022432	0.9171128	0.01504732	3	0.97960182
ENSG00000128791	18	TWSG1	9334765	rs7243117	18	9381229	T	C	0.112326	0.00801913	0.0164886	0.626724	-0.556257	0.068535	4.80E-16	-0.0144162	0.0296952	0.6273408	0.0770357	18	0.90645866
ENSG00000154845	18	PPP4R1	9546789	rs627112	18	9609297	T	C	0.261431	-0.0004188	0.0101837	0.967196	0.268053	0.0488181	4.00E-08	-0.0015624	0.0379924	0.9671974	0.1204921	5	0.98748223
ENSG00000263627	18	RP11-692N5.1	9615262	rs680478	18	9609957	T	C	0.742545	-0.007099	0.0107568	0.509283	-1.06466	0.116454	6.11E-20	0.00666788	0.0101298	0.5103816	0.4356757	20	0.87177802
ENSG00000134265	18	NAPG	10525902	rs641723	18	10532939	G	A	0.395626	0.00625539	0.00859418	0.466697	-0.36286	0.0429222	2.82E-17	-0.0172391	0.0237722	0.4683412	0.2173068	17	0.85004484
ENSG00000264714	18	RP11-21G15.1	10724617	rs57967615	18	10726143	A	G	0.564612	0.0109235	0.00812294	0.178699	-0.385763	0.066167	5.54E-09	-0.0283166	0.0216097	0.1900722	0.8547593	8	0.69244634
ENSG00000154889	18	MPPE1	11882621	rs8097892	18	11905953	T	C	0.445328	-0.0233072	0.00836189	0.00531472	-0.682185	0.0871894	5.11E-15	0.0341655	0.0130121	0.00864771	0.1135158	3	0.34100144
ENSG00000267079	18	RP11-820I16.1	11910633	rs7236956	18	11939158	T	G	0.300199	-0.0041946	0.00881048	0.634008	0.784819	0.0987202	1.87E-15	-0.0053447	0.0112462	0.6346154	0.7710959	16	0.91044282
ENSG00000176194	18	CIDEA	12254318	rs7505615	18	12254816	G	A	0.16501	-0.0019253	0.0113753	0.865602	0.35416	0.0611831	7.10E-09	-0.0054361	0.0321328	0.8656582	0.5684425	3	0.97500756
ENSG00000267108	18	RP11-861E21.1	12432896	rs34448712	18	12439062	C	A	0.152087	0.0218674	0.0134036	0.102795	0.765212	0.137879	2.86E-08	0.0285769	0.0182573	0.1175291	0.392988	5	0.62406297
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.821836	0.0801075	1.08E-24	0.0028155	0.0100498	0.7793579	0.5225729	20	0.94619098
ENSG00000267336	18	RP11-773H22.2	12912843	rs8090365	18	12910932	A	G	0.691849	-0.0087319	0.00825433	0.290122	-0.824264	0.110162	7.31E-14	0.0105935	0.0101138	0.2948983	0.1966462	8	0.77262895
ENSG00000101639	18	CEP192	12991361	rs1786984	18	13154354	G	A	0.615308	-0.003968	0.00820648	0.628724	-0.971411	0.068536	1.33E-45	0.0040848	0.00845291	0.6289242	0.7137053	20	0.90758644
ENSG00000175322	18	ZNF519	14057456	rs9958799	18	14132402	C	G	0.229622	0.00025724	0.00989117	0.979252	0.300444	0.0385525	6.54E-15	0.00085618	0.032922	0.9792522	0.1910256	12	0.99203323
ENSG00000265015	18	RP11-454P7.3	15196998	rs3878725	18	15071413	C	T	0.920477	0.00644277	0.0141279	0.648367	-1.03246	0.162109	1.90E-10	-0.0062402	0.0137188	0.6492048	0.8758111	17	0.91325402
ENSG00000141458	18	NPC1	21086148	rs1788760	18	21137442	G	A	0.666998	0.00406268	0.00847299	0.631593	0.19496	0.0331732	4.18E-09	0.0208385	0.0436045	0.6327227	0.07331396	9	0.91044282
ENSG00000260372	18	AQP4-AS1	24235706	rs232319	18	24500151	C	T	0.527833	0.0009231	0.00811545	0.909439	-0.876029	0.0726833	1.88E-33	-0.0010537	0.00926432	0.9094434	0.4285814	12	0.97933547
ENSG00000134775	18	FHOD3	33877677	rs62086184	18	34041612	G	T	0.136183	-0.00675	0.0111708	0.545674	-0.561914	0.0849448	3.71E-11	0.0120126	0.0199627	0.5473397	0.7819005	7	0.88105123
ENSG00000134779	18	TPGS2	34359987	rs2654543	18	34692374	G	A	0.351889	0.00873016	0.00855805	0.307676	0.419276	0.0680327	7.14E-10	0.020822	0.0206892	0.3142151	0.9528813	14	0.77424244
ENSG00000152214	18	RIT2	40323192	rs66700940	18	40613548	T	C	0.149105	0.0105537	0.013231	0.425072	0.312784	0.0521259	1.97E-09	0.0337412	0.0426729	0.4291225	0.3393093	6	0.83699503
ENSG00000152223	18	EPG5	43427574	rs11082496	18	43476386	C	G	0.550696	0.0104134	0.00807386	0.197131	-0.32962	0.0496356	3.12E-11	-0.0315921	0.0249521	0.2054741	0.1171326	11	0.71288718
ENSG00000101751	18	POLI	51795774	rs3730783	18	51815283	G	A	0.428429	-0.0003246	0.00809063	0.967992	-0.506412	0.0664832	2.59E-14	0.00064108	0.0159766	0.9679928	0.6225242	14	0.98748223
ENSG00000183287	18	CCBE1	57098172	rs1971616	18	57496309	T	G	0.412525	-0.0020021	0.00868798	0.817742	0.754379	0.102145	1.52E-13	-0.002654	0.0115223	0.8178297	0.9836131	13	0.955153
ENSG00000197563	18	PIGN	59710800	rs9953509	18	59831462	C	T	0.631213	-0.0073666	0.00856083	0.389513	-0.445443	0.0708823	3.29E-10	0.0165377	0.019398	0.3939115	0.02137305	19	0.81370679
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.623771	0.0920483	1.23E-11	-0.0083758	0.0197412	0.671362	0.6582038	3	0.91826822
ENSG00000263958	18	RP11-676J15.1	70535623	rs56112370	18	70592743	C	T	0.116302	0.0194339	0.014799	0.189118	0.645651	0.0905725	1.01E-12	0.0300997	0.0233067	0.1965443	0.504121	7	0.6990302
ENSG00000133313	18	CNDP2	72163051	rs7241558	18	72169267	T	A	0.210736	0.00321645	0.0104621	0.758511	0.407265	0.0548288	1.10E-13	0.00789768	0.0257107	0.75871	0.8357674	12	0.9444508
ENSG00000264247	18	LINC00909	72259010	rs7505289	18	72264406	G	A	0.852883	0.00502044	0.0118153	0.670902	-0.691842	0.0808261	1.13E-17	-0.0072566	0.0170991	0.6712832	0.9741454	11	0.91826822
ENSG00000122490	18	PQLC1	77662420	rs72972292	18	77807211	T	C	0.469185	-0.0079126	0.00811723	0.329664	0.24648	0.0425415	6.88E-09	-0.0321024	0.0333955	0.3364106	0.04324982	15	0.79837012
ENSG00000267127	18	RP11-795F19.5	77794346	rs72976317	18	77848209	T	C	0.861829	0.00662401	0.0131125	0.613441	-0.873111	0.14409	1.37E-09	-0.0075867	0.0150702	0.6146682	0.3677262	13	0.90402898
ENSG00000261126	18	RBFADN	77806900	rs7228169	18	77825898	G	A	0.831014	0.00562314	0.0112816	0.618177	-0.884073	0.0948772	1.18E-20	-0.0063605	0.0127792	0.6186793	0.9160818	20	0.90567597
ENSG00000129946	19	SHC2	416583	rs143898391	19	488474	T	A	0.406561	-0.0028477	0.00823707	0.729552	-0.490646	0.0620504	2.63E-15	0.00580404	0.0168043	0.7298002	0.3186104	10	0.93735246
ENSG00000181781	19	ODF3L2	463346	rs10424907	19	488506	G	A	0.402584	-0.0035636	0.00823997	0.665399	-0.527142	0.0918433	9.49E-09	0.00676015	0.0156757	0.6662866	0.7107465	7	0.91826822
ENSG00000099866	19	MADCAM1	489176	rs7247848	19	489166	G	A	0.0437376	-0.0182374	0.0287788	0.52627	-1.00146	0.13947	6.95E-13	0.0182108	0.0288485	0.5278732	0.2382012	8	0.87834639
ENSG00000266933	19	AC005775.2	490046	rs10424907	19	488506	G	A	0.402584	-0.0035636	0.00823997	0.665399	-0.89695	0.0965354	1.52E-20	0.00397298	0.0091966	0.665738	0.05731823	14	0.91826822
ENSG00000141933	19	TPGS1	507299	rs4919836	19	510326	G	T	0.352883	-0.0143716	0.00878976	0.102041	0.385809	0.0704528	4.35E-08	-0.0372506	0.0237765	0.1171857	0.678689	3	0.62351589
ENSG00000267751	19	AC009005.2	567212	rs12608452	19	563639	C	T	0.162028	-0.0025021	0.00960194	0.794415	-0.824507	0.130658	2.78E-10	0.00303465	0.0116556	0.7945862	0.7146235	8	0.94619098
ENSG00000267666	19	AC004156.3	663482	rs7255896	19	663956	C	A	0.234592	0.0182358	0.00997944	0.0676488	-0.665714	0.105561	2.86E-10	-0.0273928	0.0156072	0.07923517	0.8950109	9	0.5956888
ENSG00000197766	19	CFD	859453	rs62132322	19	887226	T	G	0.245527	-0.0281852	0.00954525	0.00314913	-0.538428	0.0862661	4.33E-10	0.0523472	0.0196118	0.00760399	0.8050931	12	0.33463226
ENSG00000065268	19	WDR18	983174	rs2240149	19	990819	A	G	0.59841	-0.0056639	0.00817986	0.488673	-0.682816	0.0750813	9.51E-20	0.00829494	0.0120143	0.4899274	0.1313456	20	0.86457627
ENSG00000182087	19	TMEM259	1009647	rs2240160	19	1011215	A	G	0.172962	0.0102974	0.0097719	0.291983	0.32945	0.05213	2.62E-10	0.0312563	0.0300708	0.2986066	0.01530587	11	0.77288957
ENSG00000207357	19	RNU6-2	1021521	rs117481827	19	1021627	C	T	0.132207	0.0238256	0.0144659	0.0995543	0.915891	0.139501	5.19E-11	0.0260136	0.0162837	0.1101503	0.2057137	9	0.61771552
ENSG00000064687	19	ABCA7	1040102	rs1057914	19	1038995	C	A	0.858847	0.00743452	0.00959046	0.438222	-0.550544	0.0813974	1.35E-11	-0.013504	0.017534	0.4412064	0.08628841	4	0.84015584
ENSG00000167468	19	GPX4	1103936	rs8103169	19	1103414	G	A	0.447316	0.0157509	0.00808195	0.0513074	0.211714	0.0365006	6.62E-09	0.0743971	0.0402711	0.06468864	0.5822023	3	0.57090013
ENSG00000160953	19	MUM1	1285890	rs3826942	19	1360575	A	G	0.718688	0.00805351	0.00830347	0.332098	-0.49168	0.0863222	1.23E-08	-0.0163796	0.017131	0.3390045	0.6408637	9	0.80236132
ENSG00000115266	19	APC2	1446300	rs3894776	19	1457370	T	C	0.582505	-0.0003327	0.00854577	0.968943	0.460386	0.0716938	1.35E-10	-0.0007227	0.0185625	0.9689437	0.9745095	3	0.98748223
ENSG00000115255	19	REEP6	1491165	rs78735375	19	1497547	A	C	0.0526839	-0.0017198	0.0204739	0.933059	-0.727187	0.126908	1.00E-08	0.00236495	0.028158	0.9330655	0.7386419	7	0.9855112
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	1.12784	0.111064	3.15E-24	-0.0141781	0.00968366	0.14316	0.4301564	9	0.66001207
ENSG00000099800	19	TIMM13	2425622	rs6945	19	2426828	C	G	0.44831	0.020336	0.00808891	0.0119349	0.299997	0.0413312	3.92E-13	0.0677873	0.0285349	0.01752072	0.9685725	9	0.3923078
ENSG00000125912	19	NCLN	3185561	rs518669	19	3189652	T	C	0.44334	0.00814938	0.00816529	0.318255	-0.324871	0.0436558	9.94E-14	-0.025085	0.025359	0.3225679	0.722477	20	0.77992358
ENSG00000077463	19	SIRT6	4174106	rs350849	19	4170703	G	A	0.865805	0.0181045	0.0117071	0.121995	-0.557629	0.0872194	1.62E-10	-0.0324669	0.0215999	0.1328111	0.5035958	5	0.64953202
ENSG00000178078	19	STAP2	4324040	rs55913120	19	4334402	T	C	0.439364	0.0133193	0.00808269	0.0993757	0.522878	0.0696339	5.96E-14	0.0254731	0.0158259	0.1074904	0.1616642	13	0.61771552
ENSG00000267980	19	AC007292.6	4363786	rs9973266	19	4392715	A	G	0.242545	-0.0023699	0.0108959	0.827816	-0.64908	0.10129	1.47E-10	0.00365115	0.0167963	0.827914	0.02359186	5	0.95827414
ENSG00000167670	19	CHAF1A	4402659	rs62129346	19	4363289	T	C	0.256461	-0.0136052	0.0103566	0.188958	-0.680815	0.067043	3.15E-24	0.0199837	0.0153388	0.1926368	0.06168862	20	0.69251395
ENSG00000267769	19	CTB-50L17.9	4454011	rs62130979	19	4432444	C	T	0.244533	-0.004454	0.0107759	0.679365	-0.814452	0.0921923	1.01E-18	0.0054687	0.0132453	0.6796966	0.03385806	18	0.92555177
ENSG00000196365	19	LONP1	5691845	rs62107430	19	5735516	C	G	0.359841	-0.0003786	0.00839223	0.964021	-0.54694	0.066251	1.51E-16	0.00069215	0.0153442	0.964021	0.6221632	20	0.98687457
ENSG00000141994	19	DUS3L	5784843	rs2446206	19	5777415	C	T	0.195825	-0.004272	0.00974567	0.661132	-0.469341	0.0657637	9.55E-13	0.00910219	0.0208037	0.6617292	0.6642715	10	0.91799792
ENSG00000171119	19	NRTN	5823813	rs36055559	19	5799433	A	G	0.162028	0.020092	0.0108349	0.0636854	-0.626046	0.0980874	1.74E-10	-0.0320935	0.0180225	0.07495471	0.8898646	3	0.58576292
ENSG00000181240	19	SLC25A41	6426048	rs2860181	19	6436305	T	C	0.487078	-0.017558	0.00829139	0.0342074	0.758851	0.0609364	1.34E-35	-0.0231376	0.0110831	0.03682939	0.3517293	17	0.46953024
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.572444	0.0567904	6.78E-24	-0.007238	0.0146101	0.6203108	0.02138261	10	0.90610189
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.672115	0.0864236	7.43E-15	-0.0079004	0.0123531	0.5224693	0.9374088	9	0.8743161
ENSG00000268297	19	CLEC4GP1	7852435	rs36056976	19	7853716	G	C	0.240557	-0.0101914	0.0105164	0.332496	0.929047	0.0911594	2.16E-24	-0.0109697	0.0113706	0.334673	0.3148559	18	0.79801977
ENSG00000269139	19	CTD-3193O13.8	7990886	rs7899	19	7991679	A	T	0.302187	0.00605874	0.00858081	0.480138	0.822757	0.0858601	9.47E-22	0.00736395	0.0104576	0.4813262	0.03872714	9	0.85594329
ENSG00000233927	19	RPS28	8386042	rs2972572	19	8390313	G	A	0.535785	0.00852923	0.00808756	0.291603	-0.392268	0.0434864	1.87E-19	-0.0217434	0.0207579	0.2948799	0.7157193	9	0.77262895
ENSG00000099785	19	2-Mar	8478154	rs17160520	19	8548589	A	G	0.284294	0.0288944	0.00953741	0.00244889	0.698319	0.065372	1.23E-26	0.0413771	0.0141963	0.00356106	0.08686097	20	0.23494087
ENSG00000130803	19	ZNF317	9251056	rs57338458	19	9311347	A	G	0.0705765	-0.019375	0.0128862	0.132699	-0.720076	0.119575	1.72E-09	0.0269069	0.018445	0.1446297	0.9470937	4	0.66148662
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.48565	0.187775	2.54E-15	-0.0171678	0.00970314	0.0768438	0.9219416	6	0.59014687
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.5144	0.139843	2.50E-27	0.00186504	0.011429	0.8703731	0.59925	7	0.97500756
ENSG00000174652	19	ZNF266	9523272	rs8108483	19	9545030	T	C	0.558648	0.00163106	0.00810334	0.840478	0.926856	0.0634206	2.27E-48	0.00175978	0.00874365	0.8404927	0.8848597	20	0.96582682
ENSG00000267289	19	CTD-2623N2.11	9944755	rs2233679	19	9945354	T	C	0.657058	-0.0061979	0.00848404	0.465062	-0.502165	0.0899007	2.33E-08	0.0123424	0.0170388	0.4688401	0.04229231	4	0.85004484
ENSG00000105088	19	OLFM2	9964394	rs2287808	19	10097593	T	C	0.185885	0.0176596	0.00993046	0.0753494	0.289916	0.0480166	1.56E-09	0.0609128	0.0357077	0.08803153	0.817039	14	0.60671733
ENSG00000080573	19	COL5A3	10070237	rs8100973	19	10097981	G	C	0.333002	0.00718205	0.0087654	0.412579	-0.264409	0.0446654	3.22E-09	-0.0271627	0.033467	0.4170062	0.2841097	8	0.82929869
ENSG00000129347	19	KRI1	10663761	rs10404446	19	10669732	G	A	0.282306	0.00986691	0.00862782	0.252782	0.5025	0.0579657	4.36E-18	0.0196356	0.0173186	0.2568816	0.03818515	13	0.75616222
ENSG00000267174	19	CTC-510F12.4	11411453	rs322158	19	11413454	G	A	0.295229	0.0113108	0.00890174	0.20386	-0.671085	0.094209	1.05E-12	-0.0168545	0.0134741	0.2109769	0.6854474	6	0.71706814
ENSG00000180855	19	ZNF443	12540521	rs61221985	19	12546744	T	G	0.279324	-0.0020981	0.00917215	0.819067	0.481051	0.0707514	1.05E-11	-0.0043615	0.0190777	0.8191671	0.9759663	8	0.95527264
ENSG00000269560	19	CTD-2192J16.21	12640582	rs2861413	19	12643077	T	C	0.701789	0.0152308	0.00926829	0.100317	-0.626471	0.097193	1.15E-10	-0.0243121	0.0152677	0.1112981	0.6798716	4	0.61771552
ENSG00000213290	19	PGK1P2	12670385	rs10412588	19	12661922	G	A	0.648111	0.00096658	0.00832589	0.907579	-0.679113	0.0986799	5.90E-12	-0.0014233	0.0122617	0.9075918	0.7919419	14	0.97933547
ENSG00000105607	19	GCDH	13001840	rs2965216	19	13071082	A	G	0.484095	0.00364131	0.00810126	0.65309	-0.434376	0.0415996	1.60E-25	-0.0083829	0.0186676	0.6533893	0.1288582	16	0.91325402
ENSG00000037757	19	MRI1	13875346	rs6511887	19	13869251	A	G	0.416501	-0.0030352	0.00809941	0.707855	-0.752312	0.0811331	1.82E-20	0.00403446	0.0107748	0.7080815	0.4723641	4	0.93524879
ENSG00000141854	19	hsa-mir-1199	14183348	rs7258963	19	14185226	C	T	0.377734	0.0119263	0.00828898	0.150203	0.555397	0.0649637	1.24E-17	0.0214735	0.0151343	0.1559396	0.9051346	14	0.66726768
ENSG00000267723	19	CTD-2189E23.1	14365001	rs609626	19	14378816	G	C	0.403579	-0.004009	0.00807433	0.619532	-0.59154	0.10669	2.95E-08	0.00677724	0.0137043	0.6209291	0.3161203	3	0.90610189
ENSG00000123146	19	CD97	14491313	rs2302996	19	14492272	C	T	0.357853	0.00795472	0.00833413	0.339843	0.360306	0.0642461	2.04E-08	0.0220777	0.0234633	0.346733	0.7942548	4	0.80339547
ENSG00000188269	19	OR7A5	14903302	rs66824756	19	14947193	C	T	0.379722	0.00673041	0.00811095	0.406656	0.522611	0.0822855	2.14E-10	0.0128784	0.015652	0.4106216	0.9202859	5	0.82530876
ENSG00000105143	19	SLC1A6	15060846	rs62113320	19	15091008	C	T	0.314115	-0.0007637	0.00839397	0.92751	0.275618	0.0376847	2.60E-13	-0.0027707	0.0304574	0.9275158	0.8600402	8	0.98448404
ENSG00000186529	19	CYP4F3	15751707	rs1290627	19	15758397	C	A	0.62326	-0.0197371	0.00820768	0.0161853	-0.707544	0.0864405	2.72E-16	0.0278952	0.0120905	0.02104335	0.08719383	20	0.41754437
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.06951	0.0775331	2.76E-43	0.00525771	0.0076389	0.4912759	0.7499902	20	0.86503051
ENSG00000214046	19	SMIM7	16741562	rs3848651	19	16797380	T	A	0.0934394	0.0168748	0.0149096	0.257716	-0.467172	0.0838268	2.50E-08	-0.0361212	0.0325661	0.2673587	0.1693961	4	0.75616222
ENSG00000188039	19	NWD1	16830787	rs12983375	19	16831060	T	C	0.435388	0.00295434	0.00846322	0.727029	-0.401421	0.0552585	3.75E-13	-0.0073597	0.0211075	0.7273314	0.1041576	5	0.93728518
ENSG00000130312	19	MRPL34	17403418	rs7253389	19	17415781	T	G	0.426441	-0.0009474	0.00826353	0.908724	0.377792	0.0434762	3.64E-18	-0.0025077	0.0218751	0.908732	0.4086767	9	0.97933547
ENSG00000130518	19	KIAA1683	18367908	rs11086103	19	18402117	A	G	0.531809	0.0133968	0.0081716	0.101123	-0.558293	0.0738382	4.00E-14	-0.023996	0.0149769	0.1091106	0.8963976	20	0.61771552
ENSG00000130517	19	PGPEP1	18451397	rs67348050	19	18458003	T	C	0.286282	-0.0017972	0.00812607	0.824961	-0.403443	0.0505163	1.39E-15	0.00445473	0.0201495	0.8250273	0.1599491	7	0.9562081
ENSG00000223802	19	CERS1	18979361	rs4808165	19	18995201	T	C	0.853877	-0.0090604	0.0106257	0.393833	0.361051	0.0657852	4.06E-08	-0.0250944	0.029783	0.399466	0.205012	6	0.8184711
ENSG00000160161	19	CILP2	19649057	rs34067609	19	19653524	A	G	0.168986	0.00193532	0.0128646	0.880419	0.635753	0.0925745	6.53E-12	0.00304414	0.0202401	0.8804478	0.5523909	7	0.97641549
ENSG00000181896	19	ZNF101	19779605	rs56129543	19	19820475	C	G	0.341948	-0.0011623	0.00905096	0.897817	0.53057	0.0848004	3.93E-10	-0.0021907	0.0170625	0.8978384	0.3497896	8	0.97933547
ENSG00000081665	19	ZNF506	19896648	rs4389259	19	19970113	T	C	0.147117	0.00506125	0.010578	0.632316	0.589326	0.0926868	2.04E-10	0.0085882	0.0180001	0.6332764	0.9717086	13	0.91044282
ENSG00000184635	19	ZNF93	20011722	rs2335368	19	20049141	G	C	0.266402	0.0109336	0.00928893	0.239172	0.439252	0.0696315	2.82E-10	0.0248914	0.0215121	0.2472369	0.7010076	16	0.75018932
ENSG00000267268	19	AC007204.2	20011777	rs2110589	19	20009817	A	G	0.183897	0.0071774	0.0103929	0.489814	0.757662	0.116328	7.36E-11	0.00947309	0.013794	0.4922363	0.8080086	20	0.86503051
ENSG00000237440	19	ZNF737	20718631	rs73012627	19	20733420	C	G	0.0586481	0.0329066	0.0201395	0.102273	-0.718998	0.127887	1.89E-08	-0.0457673	0.0291695	0.1166445	0.3065058	5	0.62351589
ENSG00000188171	19	ZNF626	20802867	rs2288536	19	20828777	T	C	0.225646	0.00844815	0.00944963	0.371311	0.517666	0.0834287	5.47E-10	0.0163197	0.0184428	0.3762207	0.9913651	12	0.8131246
ENSG00000105750	19	ZNF85	21106028	rs183969007	19	21141385	G	A	0.130219	-0.0091966	0.0124069	0.458541	0.836108	0.140223	2.48E-09	-0.0109993	0.0149531	0.4619813	0.8254374	6	0.84943772
ENSG00000268119	19	CTD-2561J22.5	21627043	rs7245571	19	21768899	A	G	0.552684	0.00475786	0.00812749	0.558276	-0.39847	0.0703711	1.49E-08	-0.0119403	0.0205055	0.5603648	0.2381483	6	0.88384542

ENSG00000268555	19	RP11-678G14.3	21753624	rs11085462	19	21750251	G	C	0.249503	-0.0085318	0.00948338	0.368304	0.831804	0.113103	1.92E-13	-0.0102569	0.011486	0.3718587	0.6231396	20	0.8131246
ENSG00000268433	19	RP11-420K14.2	21860352	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-0.681951	0.105783	1.14E-10	-0.0089494	0.0125113	0.47442	0.7931335	12	0.85330411
ENSG00000268535	19	RP11-420K14.3	21892324	rs61037485	19	21924189	A	T	0.550696	0.00073509	0.00806436	0.927372	-0.792423	0.0915975	5.10E-18	-0.0009276	0.0101774	0.9273756	0.345609	20	0.98448404
ENSG00000197020	19	ZNF100	21905568	rs8113652	19	21921709	C	T	0.755467	-0.0075191	0.00933087	0.420342	-0.776103	0.0855087	1.12E-19	0.00968824	0.01207	0.4221655	0.3646364	18	0.83155599
ENSG00000197134	19	ZNF257	22235254	rs1969193	19	22120269	C	T	0.259443	-0.004243	0.00872507	0.626751	0.763545	0.104447	2.66E-13	-0.005557	0.0114523	0.6275118	0.4027401	20	0.90645866
ENSG00000269332	19	CTC-457E21.3	22779059	rs16999458	19	22779198	G	A	0.0646123	-0.0059487	0.0204823	0.771488	1.1919	0.164775	4.71E-13	-0.0049909	0.0171984	0.7716656	0.5566696	12	0.94619098
ENSG00000269416	19	CTB-175P5.4	23582035	rs684580	19	23639953	C	T	0.253479	-0.0081387	0.00933053	0.383063	0.785936	0.0921929	1.53E-17	-0.0103554	0.0119339	0.3855388	0.1236434	16	0.8131246
ENSG00000213967	19	ZNF726	24097678	rs3764587	19	24098001	C	A	0.270378	0.00723781	0.00893241	0.417776	-0.645579	0.110927	5.89E-09	-0.0112113	0.0139697	0.4222376	0.05614756	10	0.83155599
ENSG00000268362	19	CTD-2017D11.1	24216247	rs113823784	19	24224346	C	T	0.220676	0.0126378	0.0100614	0.209091	0.64784	0.095894	1.42E-11	0.0195076	0.0157968	0.2168659	0.3631658	15	0.72536009
ENSG00000261770	19	CTC-459F4.1	28248092	rs11672926	19	28259004	A	G	0.143141	-0.012652	0.00922509	0.170226	1.58793	0.132275	3.35E-33	-0.0079676	0.0058473	0.1730043	0.9348025	16	0.67633689
ENSG00000267623	19	AC022153.1	28393503	rs73037822	19	28337058	C	T	0.152087	-0.0126252	0.00919339	0.169661	-0.600719	0.0922778	7.52E-11	0.0210168	0.0156408	0.1790397	0.2484169	20	0.68053895
ENSG00000168813	19	ZNF507	32836500	rs7259259	19	32819841	C	G	0.342942	0.0122436	0.00821872	0.136297	0.345686	0.0593705	5.80E-09	0.0354183	0.0245409	0.1489552	0.460771	5	0.66214005
ENSG00000267213	19	AC007773.2	32880956	rs2302771	19	32896832	G	C	0.513917	-0.0060236	0.00806167	0.454949	0.707157	0.0787228	2.64E-19	-0.008518	0.0114395	0.4565031	0.3978279	20	0.84363563
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.498607	0.0506567	7.36E-23	0.0021309	0.0162152	0.8954483	0.3354385	12	0.97933547
ENSG00000105186	19	ANKRD27	33087913	rs35447302	19	33068499	A	G	0.287276	-0.0042244	0.0090251	0.639733	-0.457248	0.0707835	1.05E-10	0.00923875	0.0197896	0.6406083	0.01718699	18	0.91325402
ENSG00000021488	19	SLC7A9	33321415	rs61743316	19	33366829	G	C	0.186879	0.0068217	0.0102418	0.505371	-0.75977	0.0865254	1.62E-18	-0.0089786	0.0135189	0.5065901	0.5695644	20	0.87067964
ENSG00000124299	19	PEPD	33877856	rs8111294	19	33877749	T	C	0.500994	-0.0070776	0.00806975	0.380457	0.38345	0.0506926	3.90E-14	-0.0184577	0.0211861	0.3836353	0.3468918	20	0.8131246
ENSG00000124302	19	CHST8	34112861	rs10401477	19	33920721	C	A	0.563618	-0.0147935	0.00806503	0.0666132	0.489315	0.0678215	5.40E-13	-0.0302331	0.0170066	0.07544945	0.2360666	11	0.58576292
ENSG00000153885	19	KCTD15	34286838	rs3810361	19	34285951	C	T	0.535785	0.0103295	0.00808461	0.201365	-0.268126	0.0377433	1.21E-12	-0.0385248	0.0306361	0.2085734	0.06103691	11	0.71706814
ENSG00000089335	19	ZNF302	35168544	rs10426964	19	35183476	G	T	0.114314	-0.0014548	0.0124399	0.906901	-0.763575	0.101715	6.05E-14	0.00190527	0.0162936	0.9069126	0.1094512	3	0.97933547
ENSG00000197841	19	ZNF181	35225060	rs7259475	19	35270543	T	G	0.304175	-0.0113936	0.00869487	0.190065	-0.313733	0.0542761	7.46E-09	0.0363162	0.0284175	0.2012652	0.8521712	6	0.70724216
ENSG00000168661	19	ZNF30	35417807	rs55712935	19	35418193	T	C	0.338966	-0.0072885	0.00832274	0.381178	-0.451371	0.0638486	1.56E-12	0.0161474	0.0185797	0.3848009	0.5203962	10	0.8131246
ENSG00000126266	19	FFAR1	35842445	rs12985354	19	35837428	A	G	0.300199	-0.0107947	0.00904485	0.232689	-0.528932	0.0833435	2.20E-10	0.0204085	0.0174	0.2408341	0.8631837	5	0.74968171
ENSG00000126267	19	COX6B1	36139125	rs4806187	19	36149761	G	A	0.511928	0.00789265	0.00806676	0.327869	-0.208212	0.0361623	8.53E-09	-0.0379068	0.0392984	0.334751	0.2950746	9	0.79801977
ENSG00000105668	19	UPK1A	36157715	rs231588	19	36199020	T	C	0.484095	0.00839211	0.00805028	0.297197	0.565395	0.10128	2.37E-08	0.0148429	0.0144845	0.3054822	0.4986318	6	0.7730656
ENSG00000225872	19	AC002398.5	36279778	rs75120684	19	36288595	C	G	0.028827	0.0221798	0.0202265	0.272829	-0.833644	0.127928	7.20E-11	-0.0266058	0.0246039	0.2795336	0.7961048	6	0.76523773
ENSG00000126247	19	CAPNS1	36630477	rs14100	19	36640769	C	T	0.955268	0.0139272	0.0275547	0.613251	0.622936	0.0976307	1.76E-10	0.0223574	0.0443722	0.6143599	0.168877	7	0.90402898
ENSG00000161281	19	COX7A1	36641824	rs14100	19	36640769	C	T	0.955268	0.0139272	0.0275547	0.613251	0.916986	0.131738	3.39E-12	0.015188	0.0301283	0.6141834	0.08227614	4	0.90402898
ENSG00000167635	19	ZNF146	36705504	rs34423559	19	36750084	T	C	0.0626243	0.00923871	0.0136553	0.498682	0.594504	0.102558	6.76E-09	0.0155402	0.0231251	0.501581	0.9973061	16	0.86877057
ENSG00000232677	19	LINC00665	36803969	rs2967501	19	36825029	C	T	0.631213	0.00377864	0.00838207	0.652134	-0.470068	0.0687448	8.04E-12	-0.0080385	0.0178703	0.6528375	0.8089551	14	0.91325402
ENSG00000233527	19	AC092295.7	37063972	rs10407386	19	37218449	T	A	0.599404	-0.0001382	0.00835722	0.98681	-0.962897	0.0870405	1.90E-28	0.00014348	0.00867926	0.9868104	0.7246377	20	0.99484259
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.25182	0.0864433	1.59E-47	-0.0050797	0.00680135	0.455143	0.1329543	20	0.84363563
ENSG00000267422	19	CTD-2554C21.1	38270326	rs2075284	19	38189616	C	T	0.833996	-0.0167819	0.009778	0.0861093	0.765738	0.121808	3.25E-10	-0.021916	0.0132367	0.09778356	0.5663453	19	0.61356312
ENSG00000167644	19	C19orf33	38794801	rs45437199	19	38795250	A	G	0.220676	0.00261195	0.00921804	0.776907	-0.905088	0.105089	7.15E-18	-0.0028859	0.0101902	0.7770245	0.2714	20	0.94619098
ENSG00000268055	19	AC067969.2	39026157	rs73032627	19	39029132	G	A	0.0447316	0.00951624	0.0268273	0.722798	-1.18347	0.19322	9.07E-10	-0.008041	0.0227063	0.7232423	0.1733813	10	0.93728518
ENSG00000104825	19	NFKBIB	39390340	rs3136642	19	39398416	G	A	0.405567	-0.0054068	0.00822182	0.510784	0.355095	0.0468384	3.42E-14	-0.0152264	0.0232408	0.5123651	0.9526021	5	0.87205968
ENSG00000269486	19	CTC-360G5.9	39425976	rs1865049	19	39437560	G	A	0.667992	-0.0023076	0.00866337	0.789958	-0.716099	0.0990928	4.95E-13	0.00322249	0.0121062	0.7900972	0.05939971	15	0.94619098
ENSG00000161243	19	FBXO27	39481354	rs632308	19	39536026	T	C	0.0198807	-0.0192799	0.0333351	0.563018	-1.21439	0.211133	8.83E-09	0.0158762	0.0275885	0.5649773	0.9981763	3	0.88384542
ENSG00000130669	19	PAK4	39616410	rs11083508	19	39619717	G	A	0.342942	0.00468114	0.00888588	0.598329	-0.460411	0.065281	1.75E-12	-0.0101673	0.0193537	0.5993447	0.2619327	19	0.89765645
ENSG00000267107	19	AC011526.1	41960074	rs11673591	19	41985931	A	T	0.253479	0.0108485	0.00892587	0.224214	-0.354336	0.0569529	4.92E-10	-0.0306164	0.0256666	0.2329275	0.8823512	9	0.74250145
ENSG00000176531	19	PHLDB3	43979106	rs2682543	19	43982467	G	A	0.656064	-5.56E-05	0.00883183	0.994976	0.589674	0.0725954	4.56E-16	-9.43E-05	0.0149775	0.9949765	0.9509263	16	0.997455
ENSG00000073050	19	XRCC1	44047192	rs2682588	19	44087726	G	C	0.187873	-0.0085778	0.0105162	0.414683	0.370619	0.0676877	4.36E-08	-0.0231446	0.0286878	0.4197957	0.9069137	6	0.83104717
ENSG00000234465	19	PINLYP	44080952	rs11407	19	44085827	T	C	0.172962	-0.0064457	0.0105558	0.541442	-0.513273	0.0801946	1.55E-10	0.0125581	0.020659	0.5432719	0.9936873	8	0.880541
ENSG00000104783	19	KCNN4	44270685	rs62116998	19	44307048	C	T	0.392644	0.00561544	0.00842899	0.50528	-0.33367	0.0558999	2.39E-09	-0.0168293	0.0254183	0.5079106	0.7868613	11	0.87067964
ENSG00000176222	19	ZNF404	44376515	rs108775	19	44405922	C	G	0.512922	-0.0039527	0.00806048	0.623866	-0.560225	0.0733829	2.27E-14	0.00705554	0.0144176	0.6245794	0.8873608	14	0.90645866
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.38601	0.126084	4.14E-28	-0.0045369	0.00731902	0.5353389	0.7892543	8	0.88027458
ENSG00000234906	19	APOC2	45449243	rs11878597	19	45470298	C	T	0.44334	0.01786	0.00807488	0.0269805	0.710942	0.0790766	2.46E-19	0.0251216	0.0116967	0.03173297	0.9333287	16	0.46267021
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.472539	0.0670119	1.77E-12	-0.0020964	0.0170953	0.9024015	0.9441186	10	0.97933547
ENSG00000104892	19	KLC3	45836692	rs12972985	19	45843315	T	G	0.364811	-0.0064955	0.00821167	0.42894	0.550781	0.0810831	1.10E-11	-0.0117932	0.0150099	0.4320444	0.1161656	17	0.83899778
ENSG00000169515	19	CCDC8	46913629	rs892110	19	46926953	T	C	0.524851	0.0088645	0.00807013	0.272015	-0.397318	0.0491559	6.33E-16	-0.0223108	0.0204982	0.2764059	0.8012092	8	0.76018963
ENSG00000182013	19	PNMAL1	46969748	rs8107491	19	46975167	A	G	0.705765	0.00992758	0.00885609	0.262293	-0.291668	0.0383239	2.73E-14	-0.0340373	0.0306912	0.2674201	0.7377126	20	0.75616222
ENSG00000245598	19	DACT3-AS1	47163621	rs314661	19	47172473	T	C	0.553678	-0.0190165	0.00810064	0.0188986	-0.557663	0.0998467	2.33E-08	0.0341003	0.015757	0.03045369	0.152341	7	0.45663232
ENSG00000105287	19	PRKD2	47177532	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.430144	0.0632755	1.06E-11	0.0532257	0.0206955	0.0101157	0.04125731	8	0.34224785
ENSG00000134815	19	DHX34	47852538	rs2972605	19	47867763	G	C	0.605368	0.00276289	0.00831141	0.739571	-0.367439	0.0572676	1.40E-10	-0.0075193	0.0226502	0.7399073	0.2927579	17	0.93797307
ENSG00000105419	19	MEIS3	47906381	rs2972605	19	47867763	G	C	0.605368	0.00276289	0.00831141	0.739571	0.637484	0.102301	4.62E-10	0.00433405	0.0130564	0.7399275	0.786644	5	0.93797307
ENSG00000105483	19	CARD8	48684027	rs116950953	19	48732930	T	C	0.0427435	0.0637044	0.0283751	0.0247628	-0.616148	0.0781222	3.10E-15	-0.103391	0.0478819	0.0308268	0.0310454	18	0.4596154
ENSG00000105479	19	CCDC114	48799714	rs275579	19	48847798	A	G	0.586481	-0.0015853	0.00848574	0.851799	0.717501	0.0856169	5.28E-17	-0.0022095	0.0118297	0.851835	0.985098	15	0.96955881
ENSG00000105443	19	CYTH2	48972289	rs1799258	19	48977019	T	C	0.888668	0.0125889	0.0117483	0.283924	0.529633	0.0961224	3.59E-08	0.0237691	0.0225975	0.2928707	0.2576903	8	0.77262895
ENSG00000176920	19	FUT2	49199228	rs1688264	19	49209560	G	T	0.465209	0.00633559	0.00818278	0.438778	0.502739	0.0821227	9.25E-10	0.0126021	0.0164061	0.4424042	0.7657407	12	0.84015584
ENSG00000176909	19	MAMSTR	49215999	rs35866622	19	49218060	T	C	0.440358	0.00890638	0.00851964	0.295841	0.516059	0.0800547	1.15E-10	0.0172585	0.0167247	0.3021129	0.8965007	20	0.77298253
ENSG00000087076	19	HSD17B14	49316274	rs8110220	19	49339098	C	T	0.267396	-0.0021664	0.00918945	0.81363	-0.470143	0.0561883	5.90E-17	0.0046079	0.0195538	0.8137029	0.00833566	16	0.95462281
ENSG00000183207	19	RUVBL2	49496705	rs113328808	19	49512700	C	T	0.0934394	-0.0146829	0.0117279	0.210585	-0.53887	0.0785594	6.92E-12	0.0272476	0.0221234	0.2180922	0.4687852	6	0.72551687
ENSG00000104818	19	CGB2	49535169	rs28498767	19	49550070	G	A	0.304175	0.00243906	0.00854261	0.775249	0.795538	0.0972441	2.82E-16	0.00306593	0.0107447	0.7753812	0.4341827	14	0.94619098
ENSG00000161618	19	ALDH16A1	49956426	rs11083974	19	49946493	A	G	0.754473	-0.0152446	0.0087576	0.0817316	-0.602258	0.0686431	1.73E-18	0.0253124	0.0148247	0.08773898	0.01101577	8	0.60671733
ENSG00000126457	19	PRMT1	50179043	rs12976076	19	50154408	T	C	0.0357853	0.00707897	0.0265403	0.789682	0.700846	0.10472	2.19E-11	0.0101006	0.037899	0.7898436	0.9658724	7	0.94619098
ENSG00000169169	19	CPT1C	50194155	rs1075453	19	50194399	C	G	0.406561	0.00041305	0.00845702	0.961046	-0.264588	0.0352741	6.34E-14	-0.0015611	0.0319637	0.9610469	0.1898346	7	0.98687457
ENSG00000039650	19	PNKP	50364461	rs2257103	19	50370066	T	C	0.406561	0.00596491	0.00831595	0.473198	0.399309	0.062095	1.27E-10	0.0149381	0.020955	0.4759296	0.582297	8	0.85452952
ENSG00000161643	19	SIGLEC16	50472857	rs8105972	19	50486063	A	G	0.178926	-0.0044338	0.0112716	0.694052	0.76771	0.110495	3.71E-12	-0.0057754	0.0147056	0.6945166	0.5139578	10	0.93377999
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.841254	0.0810094	2.91E-25	0.0113291	0.0104877	0.2800402	0.1529723	12	0.76583014
ENSG00000204653	19	ASPDH	51014857	rs2607238	19	51019404	T	C	0.684891	0.00050582	0.00864702	0.953353	-0.500049	0.0718396	3.39E-12	-0.0010115	0.017293	0.9533549	0.6114902	15	0.98687457
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.904722	0.0993477	8.50E-20	0.00812822	0.0102167	0.4262746	0.95771	6	0.83452424
ENSG00000129451	19	KLK10	51515995	rs2075691	19	51519114	T	C	0.547714	-0.0067452	0.00813059	0.406758	-0.596118	0.0856851	3.47E-12	0.0113153	0.0137359	0.4100667	0.776528	4	0.82530876
ENSG00000262874	19	CTD-2616J11.4	51891543	rs7508570	19	51894417	C	T	0.151093	0.00451279	0.0132037	0.732516	0.939233	0.120487	6.43E-15	0.00480476	0.0140715	0.7327617	0.7022527	4	0.93735246
ENSG00000254415	19	SIGLEC14	52145806	rs73052830	19	52160765	C	A	0.130219	-0.0085021	0.0100876	0.399328	-0.756385	0.106421	1.18E-12	0.0112404	0.01343	0.4026157	0.07448027	10	0.81951022
ENSG00000161551	19	ZNF577	52359055	rs7256792	19	52353249	T	C	0.389662	-0.0019642	0.00843682	0.815906	-0.417924	0.0762984	4.31E-08	0.00469992	0.0202057	0.8160689	0.03677865	4	0.95462281
ENSG00000269235	19	HCCAT3	52452387	rs2082438	19	52479633	C	A	0.298211	0.0060074	0.00864892	0.487316	0.458305	0.0749479	9.66E-10	0.0131079	0.0189929	0.4901024	0.4396336	17	0.86457627
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	1.12163	0.0800477	1.32E-44	0.00808024	0.00740418	0.2751372	0.1485313	13	0.76018963
ENSG00000167555	19	ZNF528	52901102	rs162123	19	52917626	G	A	0.762425	-0.0017064	0.00925264	0.853681	0.715955	0.0650627	3.65E-28	-0.0023834	0.0129253	0.8537019	0.4966174	18	0.96985738
ENSG00000198633	19	ZNF534	52932440	rs80078717	19	52928725	G	A	0.0894632	-0.017851	0.0164648	0.278279	0.97356	0.117404	1.11E-16	-0.0183358	0.0170559	0.2823559	0.1904343	14	0.76635258
ENSG00000167766	19	ZNF83	53097313	rs112485438	19	53121838	C	T	0.350895	-0.0162796	0.00834205	0.0509965	0.341596	0.0497676	6.70E-12	-0.0476575	0.0253887	0.06050233	0.284507	9	0.56212074
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.557272	0.057722	4.71E-22	-0.0208012	0.015099	0.1683099	0.6759711	9	0.67338032
ENSG00000242779	19	ZNF702P	53471504	rs12986118	19	53542350	T	C	0.0646123	-0.0125099	0.0234071	0.593032	1.10381	0.187953	4.28E-09	-0.0113334	0.0212934	0.5945532	0.2786413	4	0.89561036
ENSG00000170949	19	ZNF160	53569859	rs2303689	19	53626112	A	G	0.249503	0.00710652	0.00880737	0.419734	0.389426	0.0656391	2.98E-09	0.0182487	0.0228245	0.4239873	0.3722311	10	0.83313662
ENSG00000170954	19	ZNF415	53611132	rs2099850	19	53621561	A	G	0.530815	0.0115206	0.00809981	0.154932	0.455053	0.0731554	4.96E-10	0.0253171	0.0182591	0.1655808	0.4361132	7	0.6701395
ENSG00000269001	19	ZNF818P	53716241	rs4801964	19	53705236	A	G	0.356859	0.00735308	0.00869979	0.397998	-0.467695	0.0791422	3.43E-09	-0.015722	0.0187907	0.402768	0.2206233	9	0.81951022
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-1.08794	0.106504	1.70E-24	0.00352265	0.00949043	0.7105042	0.5854082	20	0.93557648
ENSG00000130433	19	CACNG6	54495542	rs11881683	19	54479990	G	A	0.512922	0.0102213	0.00810741	0.207404	-0.528187	0.0929981	1.35E-08	-0.0193517	0.0157231	0.2184062	0.6152869	6	0.72551687
ENSG00000170906	19	NDUFA3	54606036	rs62144171	19	54636342	G	A	0.131213	-0.0048268	0.0125528	0.700595	0.400864	0.0594053	1.50E-11	-0.012041	0.0313652	0.7010548	0.1961412	5	0.93377999
ENSG00000167608	19	TMC4	54663846	rs8101186	19	54670952	C	T	0.230616	0.0032074	0.00950788	0.73586	0.570686	0.0725785	3.75E-15	0.00562025	0.0166758	0.7360934	0.1830086	20	0.93797307
ENSG00000170889	19	RPS9	54704610	rs2304524	19	54705340	G	C	0.420477	-0.0060312	0.00821989	0.463115	-0.325581	0.0418437	7.20E-15	0.0185243	0.0253588	0.4650933	0.1902223	9	0.85004484
ENSG00000268496	19	CTD-2587H19.2	54945363	rs3745428	19	54940303	T	A	0.340954	0.00020347	0.00810531	0.979973	0.422685	0.0634041	2.62E-11	0.00048137	0.0191759	0.9799731	0.8894912	17	0.99214992
ENSG00000267838	19	AC008746.12	54949847	rs111257921	19	54948808	T	A	0.304175	0.00090988	0.00936767	0.922623	-0.685436	0.0793996	5.99E-18	-0.0013275	0.0136676	0.9226279	0.9915975	19	0.9831448
ENSG00000104970	19	KIR3DX1	55043909	rs2019042	19	55059321	T	C	0.112326	0.0189022	0.013507	0.161682	0.87227	0.140549	5.43E-10	0.0216701	0.0158737	0.1722025	0.5665981	7	0.67633689
ENSG00000022556	19	NLRP2	55464498	rs775847	19	55474189	G	C	0.646123	0.00047164	0.00844297	0.955452	0.608054	0.0792027	1.63E-14	0.00077565	0.0138856	0.9554531	0.7678235	20	0.98687457
ENSG00000080031	19	PTPRH	55692616	rs76990668	19	55718695	C	T	0.0745527	-0.0200769	0.0147492	0.173444	-0.899538	0.115918	8.49E-15	0.0223191	0.0166468	0.180002	0.06738913	3	0.68069867
ENSG00000180089	19	TMEM86B	55738007	rs10419308	19	55739813	A	G	0.184891	-0.0147959	0.0111418	0.18419	0.469851	0.0709332	3.50E-11	-0.0314906	0.0241853	0.1928979	0.4526236	6	0.69251395
ENSG00000108107	19	RPL28	55896713	rs17700376	19	55897327	G	A	0.37674	0.0024536	0.008364	0.769253	-0.256319	0.0331538	1.07E-14	-0.0095725	0.0326547	0.769414	0.638087	6	0.94619098
ENSG00000267454	19	ZNF582-AS1	56905025	rs12608966	19	56907816	T	C	0.492048	-0.0020798	0.00819613	0.799689	-0.717577	0.0820475	2.21E-18	0.00289832	0.0114268	0.799771	0.1574311	17	0.94815619
ENSG00000198046	19	ZNF667	56950694	rs10413986	19	56983930	G	A	0.15507	-0.0110619	0.0137144	0.4199	0.291771	0.0449826	8.80E-11	-0.037913	0.047366	0.4234645	0.2800906	6	0.83313662
ENSG00000166770	19	ZNF667-AS1	56988619	rs10409168	19	57008134	T	C	0.715706	-0.0107905	0.00831605	0.194443	-0.522641	0.0612384	1.41E-17	0.0206461	0.0160944	0.1995587	0.07607651	15	0.70311804
ENSG00000269696	19	AC007228.11	57056935	rs2286422	19	57047859	T	C	0.281312	-0.0204452	0.00898737	0.0229129	0.764885	0.090729	3.44E-17	-0.0267298	0.0121702	0.02806875	0.1799813	20	0.45663232
ENSG00000131845	19	ZNF304	57862675	rs862703	19	57865082	C	T	0.710736	-0.0075504	0.0086202	0.381086	0.406351	0.0649732	4.00E-10	-0.018581	0.0214207	0.3857056	0.5256107	11	0.8131246
ENSG00000186272	19	ZNF17	57922531	rs10411904	19	57945820	G	A	0.292247	0.00460686	0.00855408	0.590192	-0.584429	0.104941	2.56E-08	-0.0078827	0.0147049	0.5919196	0.5918535	5	0.89561036
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	1.09232	0.074978	4.45E-48	-0.0008951	0.00740484	0.903783	0.765459	20	0.97933547
ENSG00000268266	19	AC003005.2	57989017	rs12611423	19	57999713	G	C	0.276342	0.0231241	0.00848693	0.0064365	0.725464	0.104648	4.14E-12	0.0318749	0.0125698	0.01121778	0.02070448	14	0.36102099
ENSG00000105136	19	ZNF419	57999079	rs67307910	19	57999846	T	A	0.354871	-0.0033557	0.00850938	0.69332	0.552856	0.0760504	3.61E-13	-0.0060698	0.0154143	0.6937478	0.05920094	8	0.93377999
ENSG00000183647	19	ZNF530	58111253	rs2360543	19	58117223	A	T	0.793241	0.0026464	0.00883707	0.764584	-0.439055	0.0741094	3.13E-09	-0.0060275	0.0201532	0.764876	0.00866712	7	0.94565716
ENSG00000121417	19	ZNF211	58141761	rs77072628	19	58164624	G	A	0.121272	0.0119563	0.0133456	0.370308	0.485025	0.0808929	2.02E-09	0.0246509	0.0278207	0.3755842	0.9876739	12	0.8131246
ENSG00000204514	19	ZNF814	58360099	rs8103104	19	58355699	C	T	0.383698	0.0155964	0.00814226	0.0554307	-0.419722	0.065327	1.32E-10	-0.0371589	0.020243	0.06641017	0.676456	14	0.57928068
ENSG00000269867	19	CTD-2583A14.8	58378406	rs2012034	19	58380385	C	T	0.2833	0.00606795	0.00847922	0.474222	0.54427	0.081575	2.52E-11	0.0111488	0.0156684	0.4767467	0.4000015	6	0.85452952
ENSG00000270804	19	CTD-2583A14.11	58379253	rs10406133	19	58379986	T	C	0.287276	0.00582301	0.0084775	0.49216	0.744284	0.0906852	2.26E-16	0.00782364	0.01143	0.4936688	0.1065932	14	0.86521297
ENSG00000196724	19	ZNF418	58433252	rs7250037	19	58428153	A	G	0.322068	0.00924955	0.00828685	0.264349	-0.425456	0.0660568	1.19E-10	-0.0217403	0.0197679	0.2714281	0.1443743	20	0.76018963
ENSG00000176593	19	CTD-2368P22.1	58513429	rs11669327	19	58517977	C	T	0.697813	0.0160473	0.00887496	0.070583	-0.45395	0.065717	4.93E-12	-0.0353504	0.0202092	0.08025297	0.1769811	9	0.59655973
ENSG00000121413	19	ZSCAN18	58595205	rs2014592	19	58593174	G	A	0.765408	-0.0022319	0.00919611	0.808236	0.386488	0.0564774	7.74E-12	-0.0057749	0.023809	0.8083548	0.97207	8	0.95106925
ENSG00000083807	19	SLC27A5	58990879	rs55928441	19	59009674	C	T	0.188867	-0.0182439	0.0103674	0.0784513	0.41351	0.0660576	3.85E-10	-0.0441196	0.0260435	0.09025158	0.8462863	13	0.60921089
ENSG00000213753	19	RPL23AP79	59084870	rs4801614	19	59096950	C	T	0.594433	-0.0054769	0.00848257	0.518494	0.577268	0.066384	3.44E-18	-0.0094877	0.0147348	0.5196427	0.3313139	20	0.87335446
ENSG00000101255	20	TRIB3	361261	rs62191440	20	360225	C	A	0.437376	0.00621094	0.00809408	0.442877	0.663494	0.0792033	5.42E-17	0.00936096	0.0122502	0.4447812	0.8373627	18	0.84202122
ENSG00000101307	20	SIRPB1	1544167	rs146490405	20	1895797	A	G	0.170974	-0.0023332	0.00838963	0.780933	1.14603	0.0892833	1.03E-37	-0.0020359	0.00732232	0.7809835	0.9999389	19	0.94619098
ENSG00000125877	20	ITPA	3189514	rs11699145	20	3185313	A	G	0.128231	-0.0002764	0.0146684	0.984964	-0.655641	0.0815953	9.34E-16	0.00042162	0.0223727	0.9849644	0.2121543	20	0.99484259
ENSG00000088836	20	SLC4A11	3208063	rs1043159	20	3232031	T	C	0.292247	0.0213112	0.00938532	0.0231659	0.400234	0.0601854	2.93E-11	0.0532468	0.0247789	0.03164422	0.4269648	15	0.46267021
ENSG00000132622	20	HSPA12B	3713314	rs45495794	20	3734167	C	T	0.0596421	-0.0759165	0.0238023	0.00142538	1.41309	0.140934	1.16E-23	-0.0537238	0.0176758	0.00237057	0.7200102	3	0.19870039
ENSG00000101236	20	RNF24	3907956	rs6116153	20	3996208	T	C	0.446322	-0.0211003	0.00807461	0.00897078	-0.466807	0.0553328	3.27E-17	0.0452013	0.0181083	0.01255457	0.05787308	19	0.36421138
ENSG00000089063	20	TMEM230	5080486	rs2715	20	5081049	C	T	0.548708	0.00115186	0.00814015	0.887472	0.419692	0.0535178	4.43E-15	0.00274454	0.0193987	0.8874904	0.231819	11	0.97641549
ENSG00000101290	20	CDS2	5107432	rs3746678	20	5178530	A	T	0.44334	-0.0065045	0.00831963	0.434315	0.596197	0.0645559	2.57E-20	-0.01091	0.0140044	0.4359546	0.6512866	20	0.84015584
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	0.962693	0.106297	1.35E-19	0.00339699	0.010251	0.7403554	0.3317237	8	0.93797307
ENSG00000205181	20	LINC00654	5476713	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	1.01215	0.11661	3.97E-18	0.0164402	0.0150816	0.2756785	0.3438109	4	0.76018963
ENSG00000125885	20	MCM8	5931298	rs236118	20	5938207	A	G	0.175944	-0.0025937	0.00983892	0.792078	-0.621593	0.0805884	1.23E-14	0.00417262	0.0158378	0.7921965	0.6537471	9	0.94619098
ENSG00000125872	20	LRRN4	6021424	rs6117050	20	6033004	A	G	0.245527	0.0117602	0.0102667	0.252012	-0.329815	0.0569456	6.97E-09	-0.035657	0.0317316	0.2611386	0.6711937	8	0.75616222
ENSG00000089050	20	RBBP9	18467184	rs6081187	20	18510919	G	A	0.797217	0.00599075	0.00970001	0.536838	-0.3349	0.0603796	2.91E-08	-0.0178882	0.0291429	0.5393415	0.9998592	4	0.88027458
ENSG00000101310	20	SEC23B	18488137	rs6045505	20	18592900	G	A	0.925447	0.00754908	0.0148366	0.610882	-0.616194	0.0969236	2.05E-10	-0.0122511	0.0241548	0.6120195	0.8052876	18	0.90402898
ENSG00000125821	20	DTD1	18568537	rs6035046	20	18437799	T	G	0.111332	-0.0005183	0.0121072	0.965856	0.390596	0.0646325	1.51E-09	-0.0013269	0.0309975	0.9658566	0.4660331	13	0.98745033
ENSG00000225056	20	RP11-218C14.5	23635862	rs2424591	20	23637093	T	G	0.847913	0.0107414	0.0106382	0.31264	-0.562009	0.0916043	8.51E-10	-0.0191125	0.0191835	0.3191051	0.6315086	7	0.77686195
ENSG00000101474	20	APMAP	24943561	rs6037002	20	24967620	C	A	0.0924453	-0.0492081	0.0190105	0.00964007	-0.690155	0.0992426	3.55E-12	0.0713001	0.0293915	0.01527161	0.1865165	6	0.38894064
ENSG00000100987	20	VSX1	25051521	rs6076315	20	25065518	A	G	0.196819	-0.0150083	0.0104196	0.149757	-0.638082	0.0958715	2.82E-11	0.023521	0.0167076	0.1591903	0.3074969	13	0.66726768
ENSG00000100997	20	ABHD12	25275379	rs2500400	20	25354705	G	A	0.570577	0.00332862	0.00809565	0.680954	-0.223103	0.0361085	6.46E-10	-0.0149197	0.0363669	0.6816195	0.8787883	16	0.92625842
ENSG00000101004	20	NINL	25433341	rs12625991	20	25570010	A	G	0.157058	-0.0026396	0.0117684	0.822529	0.656076	0.0890489	1.74E-13	-0.0040233	0.0179459	0.8226101	0.1589442	18	0.95584789
ENSG00000175170	20	FAM182B	25744102	rs453329	20	25440593	A	G	0.429423	-0.0037574	0.00809435	0.642501	0.65332	0.0899061	3.68E-13	-0.0057513	0.0124148	0.6431773	0.6989611	20	0.91325402
ENSG00000125804	20	FAM182A	26035291	rs6138803	20	26096555	G	T	0.258449	-0.0047226	0.0101304	0.641083	-1.00301	0.116156	5.87E-18	0.00470845	0.0101147	0.6415698	0.1550713	20	0.91325402
ENSG00000205611	20	RP4-610C12.4	29513582	rs6119125	20	29641570	C	G	0.522863	-0.0187987	0.00809703	0.0202502	0.543459	0.0905647	1.96E-09	-0.0345908	0.0159753	0.03036705	0.8892716	20	0.45663232
ENSG00000238151	20	MLLT10P1	29637799	rs4643613	20	29540333	G	T	0.256461	-0.0079442	0.00881131	0.367276	0.662104	0.10622	4.57E-10	-0.0119984	0.0134465	0.3722315	0.3240624	12	0.8131246
ENSG00000101306	20	MYLK2	30407111	rs75694362	20	30450708	C	T	0.190855	-0.0036122	0.0101717	0.7225	-0.445853	0.0790571	1.70E-08	0.00810168	0.0228592	0.7230266	0.1121328	12	0.93728518
ENSG00000198547	20	C20orf203	31219428	rs113170412	20	31218750	C	G	0.271372	0.00351298	0.00962408	0.715097	0.429022	0.0706983	1.29E-09	0.00818834	0.0224731	0.7155883	0.3904165	9	0.93557648
ENSG00000101412	20	E2F1	32263489	rs17404047	20	32305781	T	A	0.240557	-0.0132441	0.00964236	0.169588	-0.650344	0.0772666	3.87E-17	0.0203648	0.0150227	0.175226	0.07453405	20	0.67694186
ENSG00000101460	20	MAP1LC3A	33134658	rs6088529	20	33170752	A	C	0.385686	-0.0118495	0.00864389	0.170422	-0.280476	0.0472668	2.96E-09	0.0422478	0.0316304	0.1816561	0.1016768	12	0.68192098
ENSG00000126005	20	MMP24-AS1	33804265	rs2297789	20	33867248	T	A	0.200795	0.0204524	0.00965069	0.0340675	-0.604853	0.0719136	4.07E-17	-0.0338138	0.0164541	0.03987548	0.5283456	10	0.48050864
ENSG00000125965	20	GDF5	34021145	rs143383	20	34025983	A	G	0.628231	-0.0021362	0.00819138	0.794261	-0.490696	0.0757636	9.38E-11	0.00435335	0.0167069	0.7944229	0.1161496	13	0.94619098
ENSG00000224497	20	RPL36P4	34132175	rs12481365	20	34131396	T	C	0.149105	0.00108002	0.0140314	0.938646	1.08644	0.119644	1.08E-19	0.00099409	0.0129155	0.9386483	0.1900665	15	0.9855112
ENSG00000214078	20	CPNE1	34213953	rs6058374	20	34525838	C	G	0.10338	0.00843984	0.015302	0.581254	-1.04489	0.0933429	4.36E-29	-0.0080773	0.0146624	0.5817138	0.889457	20	0.88701303
ENSG00000149633	20	KIAA1755	36838890	rs2186055	20	36967118	T	G	0.616302	-0.003343	0.00836122	0.689292	-0.285588	0.0493251	7.04E-09	0.0117055	0.0293469	0.6899918	0.3878419	11	0.93168822
ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.23027	0.119585	7.99E-25	0.00322002	0.00898381	0.7200257	0.350133	12	0.93603341
ENSG00000196756	20	SNHG17	37049235	rs788347	20	37062583	T	C	0.159046	0.0114055	0.0110916	0.30381	1.31304	0.10712	1.53E-34	0.00868633	0.00847694	0.3055042	0.5946063	20	0.7730656
ENSG00000132793	20	LPIN3	39969560	rs6029636	20	39969513	A	C	0.251491	0.00420486	0.00882388	0.633696	0.31688	0.0578247	4.25E-08	0.0132696	0.0279512	0.6349721	0.05859445	8	0.91044282

ENSG00000183798	20	EMILIN3	39988606	rs77258996	20	40127604	C	T	0.128231	0.0187912	0.0102417	0.066538	-0.628459	0.110338	1.23E-08	-0.0299004	0.0171212	0.08074156	0.3700372	13	0.59655973
ENSG00000101104	20	PABPC1L	43538703	rs16989474	20	43522725	G	A	0.287276	-0.0296735	0.00940353	0.00160181	-0.375355	0.052464	8.40E-13	0.0790545	0.0273809	0.00388672	0.7913716	4	0.23678826
ENSG00000124116	20	WFDC3	44376583	rs3746493	20	44418564	G	A	0.656064	-0.0072242	0.00853616	0.397382	1.05959	0.0792235	8.50E-41	-0.0068179	0.00807221	0.3983251	0.1841177	20	0.81740275
ENSG00000124140	20	SLC12A5	44650356	rs12624433	20	44680853	A	G	0.256461	0.0362689	0.00910918	6.85E-05	0.186252	0.0330876	1.81E-08	0.19473	0.0599058	0.00115158	0.3150836	3	0.15048433
ENSG00000225849	20	MKRN7P	45092541	rs113918702	20	45094572	A	G	0.05666	-4.64E-05	0.018284	0.997975	1.27338	0.176317	5.12E-13	-3.64E-05	0.0143586	0.9979747	0.3030213	7	0.9987316
ENSG00000231742	20	RP11-112L6.4	48789087	rs6012867	20	48789745	C	T	0.34493	0.00748702	0.00845137	0.375675	0.631784	0.0946145	2.43E-11	0.0118506	0.0134942	0.3798356	0.1977562	7	0.8131246
ENSG00000054793	20	ATP9A	50213053	rs75592767	20	50365626	A	G	0.154076	-0.0053597	0.0106392	0.614424	-0.214183	0.0371429	8.10E-09	0.0250238	0.0498626	0.615769	0.1356032	17	0.90429293
ENSG00000124164	20	VAPB	56964178	rs6092645	20	57009166	A	G	0.39165	-0.0090359	0.00807522	0.263153	0.466093	0.0578131	7.50E-16	-0.0193865	0.0174914	0.2677126	0.06697254	13	0.75616222
ENSG00000215440	20	NPEPL1	57264187	rs8115194	20	57281809	T	C	0.242545	-0.0024027	0.0104325	0.817855	-0.323155	0.0521386	5.72E-10	0.00743498	0.0323056	0.8179787	0.342005	11	0.955153
ENSG00000101158	20	NELFCD	57556263	rs17851253	20	57564695	T	C	0.119284	0.00182028	0.0108145	0.866332	-0.542879	0.0681824	1.69E-15	-0.003353	0.0199251	0.8663623	0.8795107	8	0.97500756
ENSG00000238194	20	RP4-719C8.1	58201519	rs730274	20	58253971	G	A	0.027833	4.18E-05	0.0231447	0.998558	-0.975368	0.176744	3.42E-08	-4.29E-05	0.0237292	0.9985575	0.96376	9	0.9989101
ENSG00000101181	20	MTG2	60758085	rs6062133	20	60768615	A	G	0.135189	-0.0132231	0.0104603	0.206189	0.747796	0.102453	2.90E-13	-0.0176828	0.0141964	0.2129189	0.5162682	3	0.71706814
ENSG00000101190	20	TCFL5	61472467	rs28613367	20	61471547	G	C	0.177932	0.0105147	0.0102418	0.304588	0.478929	0.0559072	1.07E-17	0.0219546	0.0215378	0.3080361	0.07289551	11	0.7730656
ENSG00000231133	20	HAR1B	61726845	rs35620756	20	61733369	G	C	0.508946	-0.0024445	0.00822451	0.766295	-0.344011	0.0623336	3.41E-08	0.00710594	0.0239423	0.766624	0.276144	8	0.94613307
ENSG00000225978	20	HAR1A	61733483	rs111435192	20	61734190	A	G	0.241551	-0.0153337	0.00957251	0.10919	-0.436689	0.0580869	5.57E-14	0.0351135	0.0224127	0.1171898	0.3361541	7	0.62351589
ENSG00000101198	20	NKAIN4	61872136	rs147378830	20	61885230	C	G	0.0934394	-0.0221106	0.0168508	0.189474	0.725416	0.073969	1.05E-22	-0.0304799	0.0234361	0.1934124	0.4846138	12	0.69251395
ENSG00000101204	20	CHRNA4	61975420	rs73157403	20	61997382	T	C	0.0785288	0.0187634	0.0161577	0.245531	0.76726	0.13246	6.94E-09	0.0244551	0.021478	0.2548658	0.2183833	3	0.75616222
ENSG00000101213	20	PTK6	62159778	rs191090	20	62162340	C	T	0.251491	-0.0017478	0.00885079	0.843458	-0.502151	0.0842856	2.56E-09	0.00348059	0.0176354	0.8435433	0.4882312	4	0.96696421
ENSG00000197457	20	STMN3	62271061	rs6423444	20	62272411	A	G	0.307157	0.0149418	0.00901917	0.0975866	0.242598	0.0420851	8.19E-09	0.0615908	0.0386823	0.1113351	0.3708794	8	0.61771552
ENSG00000130584	20	ZBTB46	62375019	rs4456758	20	62422675	C	T	0.372763	0.00860039	0.00832071	0.301317	0.36364	0.0577151	2.96E-10	0.0236508	0.0231876	0.3077386	0.08546489	11	0.7730656
ENSG00000171695	20	C20orf201	62714733	rs6090046	20	62746376	G	T	0.517893	-0.0026095	0.00813225	0.748299	-0.436272	0.0664288	5.12E-11	0.00598136	0.0186626	0.7485889	0.2910113	10	0.94125725
ENSG00000203880	20	PCMTD2	62887094	rs60461814	20	62887012	T	C	0.180915	-0.0163396	0.0123878	0.187168	-0.418792	0.0691262	1.38E-09	0.039016	0.0302728	0.1974621	0.3352898	3	0.69946642
ENSG00000224924	21	LINC00320	22114908	rs8131245	21	22116149	A	C	0.0815109	0.0083757	0.0118954	0.481362	0.582984	0.0730718	1.48E-15	0.0143669	0.0204836	0.483062	0.1919808	20	0.85845159
ENSG00000273492	21	AP000230.1	27543189	rs457581	21	27594480	A	G	0.238569	-0.0083468	0.00930417	0.369665	0.810012	0.0862253	5.77E-21	-0.0103045	0.0115387	0.3718367	0.1762375	20	0.8131246
ENSG00000156239	21	N6AMT1	30244513	rs2776210	21	30268558	G	A	0.671968	0.0023748	0.00886506	0.788789	0.424781	0.0614592	4.79E-12	0.00559065	0.0208854	0.788944	0.1091493	6	0.94619098
ENSG00000156253	21	RWDD2B	30376705	rs6516886	21	30393664	T	A	0.712724	-0.0216312	0.0106884	0.0429903	-0.704925	0.0679607	3.31E-25	0.0306858	0.0154484	0.04699491	0.2690879	20	0.5167482
ENSG00000156299	21	TIAM1	32490734	rs13049312	21	32817622	C	T	0.126243	-0.0150145	0.0103261	0.145934	-0.494125	0.0773947	1.72E-10	0.030386	0.0214329	0.1562692	0.562071	7	0.66726768
ENSG00000142207	21	URB1	33683329	rs1974381	21	33780677	T	C	0.082505	0.0211117	0.020655	0.306729	0.775869	0.116481	2.72E-11	0.0272104	0.0269334	0.3123585	0.4468659	9	0.77400383
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.602762	0.0762862	2.76E-15	-0.0262699	0.0147777	0.07545739	0.1011846	5	0.58576292
ENSG00000142188	21	TMEM50B	34804792	rs2834223	21	34825147	A	C	0.446322	0.0130874	0.00805026	0.10401	-0.530253	0.0587519	1.79E-19	-0.0246814	0.0154263	0.1096069	0.9280493	17	0.61771552
ENSG00000241837	21	ATP5O	35275757	rs915574	21	35268336	C	T	0.67495	-0.0187147	0.00839635	0.0258202	0.205708	0.0344046	2.24E-09	-0.090977	0.0435607	0.03675187	0.6762742	11	0.46953024
ENSG00000159212	21	CLIC6	36041688	rs717578	21	36062937	C	T	0.183897	-0.0035926	0.010749	0.73821	0.846176	0.121817	3.75E-12	-0.0042457	0.0127177	0.7385015	0.3155802	14	0.93797307
ENSG00000185917	21	SETD4	37406839	rs4817761	21	37395556	T	C	0.304175	-0.0008152	0.00895889	0.927495	-0.510523	0.0666389	1.84E-14	0.00159686	0.0175497	0.9275	0.3837806	16	0.98448404
ENSG00000159228	21	CBR1	37442239	rs3787728	21	37443893	C	T	0.693837	0.012173	0.00888436	0.170637	-0.268236	0.0374213	7.61E-13	-0.0453817	0.0337211	0.1783687	0.769956	20	0.68053895
ENSG00000233393	21	AP000688.29	37477179	rs68167861	21	37472897	C	T	0.256461	-0.0164873	0.00955106	0.0843063	0.4458	0.0809301	3.62E-08	-0.0369836	0.0224519	0.09950929	0.1684467	6	0.61356312
ENSG00000224790	21	AP000704.5	38338812	rs2154530	21	38348663	A	G	0.430417	0.00929214	0.00808004	0.250139	-0.682978	0.0909459	5.93E-14	-0.0136053	0.0119685	0.2556387	0.2117314	17	0.75616222
ENSG00000182670	21	TTC3	38445526	rs2298684	21	38445095	A	G	0.496024	-0.0033129	0.00819894	0.68617	0.351779	0.0368781	1.44E-21	-0.0094174	0.023328	0.686436	0.08392308	20	0.93003332
ENSG00000183527	21	PSMG1	40546695	rs2836922	21	40516308	T	C	0.482107	-0.0152457	0.00814562	0.0612562	0.415796	0.0602271	5.06E-12	-0.0366663	0.0202976	0.07085011	0.1868287	10	0.584292
ENSG00000182093	21	WRB	40752170	rs2837005	21	40769807	C	T	0.693837	-0.0175126	0.00965002	0.0695585	-0.413092	0.0574368	6.38E-13	0.0423939	0.0240927	0.07847214	0.619114	18	0.5950804
ENSG00000157578	21	LCA5L	40777770	rs4816628	21	40822940	A	C	0.520875	0.00452343	0.00806455	0.574864	-0.899903	0.0893804	7.63E-24	-0.0050266	0.00897547	0.5754559	0.03182849	20	0.88600607
ENSG00000184809	21	C21orf88	40969074	rs550569	21	40981775	T	A	0.466203	-0.0031532	0.00833309	0.705136	-0.408416	0.0506318	7.24E-16	0.00772058	0.0204259	0.705445	0.2412867	14	0.93408
ENSG00000183067	21	IGSF5	41117334	rs464623	21	41156516	G	A	0.815109	0.00516329	0.00981931	0.599006	-0.505634	0.0751491	1.72E-11	-0.0102115	0.019479	0.6001173	0.6045514	4	0.89783896
ENSG00000182240	21	BACE2	42539728	rs914187	21	42619749	C	T	0.593439	0.010052	0.00808153	0.213566	-0.28841	0.0476054	1.38E-09	-0.0348532	0.0286054	0.2230681	0.1536802	7	0.72892317
ENSG00000157601	21	MX1	42792231	rs17000900	21	42798030	A	C	0.0974155	-0.0030224	0.0141706	0.831105	0.801437	0.119625	2.09E-11	-0.0037712	0.0176904	0.8311893	0.2387616	4	0.96017291
ENSG00000184385	21	C21orf128	43522244	rs220128	21	43531553	C	A	0.531809	-0.0079121	0.00811258	0.329418	-0.632105	0.089425	1.57E-12	0.0125171	0.0129558	0.3339761	0.2651075	15	0.79801977
ENSG00000160188	21	RSPH1	43892596	rs2839537	21	43906351	C	G	0.373757	0.0143166	0.00831722	0.0851942	0.408051	0.0501174	3.89E-16	0.0350853	0.0208333	0.09216324	0.754987	12	0.61080687
ENSG00000160194	21	NDUFV3	44299754	rs9977400	21	44340864	G	T	0.492048	0.00466429	0.00807583	0.56356	0.360911	0.0631916	1.12E-08	0.0129237	0.0224904	0.5655409	0.821336	10	0.88384542
ENSG00000160200	21	CBS	44473301	rs234728	21	44448775	A	G	0.372763	0.00043497	0.0081349	0.957358	-0.764308	0.10122	4.32E-14	-0.0005691	0.0106438	0.9573593	0.8125835	11	0.98687457
ENSG00000241945	21	PWP2	45527171	rs6518345	21	45477100	A	G	0.2833	0.00450114	0.00962377	0.639991	1.33911	0.114109	8.40E-32	0.00336129	0.0071924	0.6402569	0.3321331	19	0.91325402
ENSG00000160221	21	C21orf33	45553487	rs3788104	21	45512094	A	G	0.16501	-0.0090425	0.0116415	0.437309	1.33978	0.108638	6.05E-35	-0.0067492	0.00870633	0.4382161	0.04848318	19	0.84015584
ENSG00000225331	21	AP001055.6	45578623	rs6518345	21	45477100	A	G	0.2833	0.00450114	0.00962377	0.639991	0.830583	0.134098	5.87E-10	0.00541925	0.0116198	0.6409414	0.9456855	6	0.91325402
ENSG00000160226	21	C21orf2	45748827	rs58670754	21	45759746	A	T	0.238569	-0.0036722	0.0100432	0.714633	0.388209	0.0618745	3.52E-10	-0.0094593	0.0259145	0.7150957	0.760272	4	0.93557648
ENSG00000142185	21	TRPM2	45770046	rs111406792	21	45785066	T	G	0.180915	-0.0069547	0.00921279	0.450315	-0.5058	0.0517472	1.45E-22	0.0137498	0.0182685	0.4516606	0.3404941	18	0.84363563
ENSG00000227039	21	ITGB2-AS1	46340966	rs2014191	21	46350534	G	C	0.385686	-0.0010223	0.00835254	0.902588	0.442248	0.0713471	5.70E-10	-0.0023116	0.0188902	0.9026069	0.8606288	5	0.97933547
ENSG00000215447	21	BX322557.10	46707967	rs2838868	21	46714641	T	C	0.295229	0.0191592	0.00874259	0.0284178	-0.560236	0.0631721	7.42E-19	-0.0341984	0.0160746	0.03337979	0.05420699	20	0.46575892
ENSG00000223768	21	LINC00205	46713200	rs2838867	21	46713092	T	C	0.294235	0.0136848	0.0091233	0.13362	-0.87932	0.0731344	2.68E-33	-0.0155629	0.0104558	0.1366335	0.1790186	20	0.64953202
ENSG00000142156	21	COL6A1	47401651	rs2277813	21	47409239	C	G	0.652087	-0.0020709	0.00885525	0.815089	0.4482	0.0683159	5.36E-11	-0.0046206	0.0197699	0.8152044	0.7869451	13	0.95462281
ENSG00000160282	21	FTCD	47556176	rs75660802	21	47581074	A	T	0.161034	0.00567863	0.0163925	0.729029	-0.708661	0.070999	1.84E-23	-0.0080132	0.0231456	0.7291865	0.1100368	20	0.93735246
ENSG00000160284	21	SPATC1L	47581062	rs915804	21	47649802	C	G	0.529821	-0.0111927	0.0080407	0.16392	-0.477837	0.0761036	3.41E-10	0.0234237	0.0172359	0.1741441	0.7495223	14	0.67633689
ENSG00000182362	21	YBEY	47706251	rs62224180	21	47726332	G	C	0.785288	-0.0182852	0.00947401	0.0536019	-0.977605	0.100588	2.50E-22	0.0187041	0.00988028	0.05834843	0.4429616	20	0.56212074
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.1763	0.0919458	1.78E-37	0.0134608	0.00795923	0.09079594	0.515161	20	0.60921089
ENSG00000177663	22	IL17RA	17565844	rs3016113	22	17517298	C	T	0.583499	-0.0194275	0.00819063	0.0176962	0.207392	0.0376452	3.61E-08	-0.0936753	0.0429984	0.02936306	0.840798	14	0.45663232
ENSG00000235478	22	AC006946.15	17602476	rs5748888	22	17613622	G	A	0.0457256	-0.0156141	0.0186118	0.401508	-0.5589	0.0956253	5.08E-09	0.0279372	0.0336421	0.4062989	0.4305469	8	0.82278576
ENSG00000093072	22	CECR1	17660194	rs1807518	22	17685358	T	C	0.489066	-0.011438	0.00809526	0.157679	0.504845	0.0590534	1.24E-17	-0.0226565	0.0162527	0.1633132	0.489801	14	0.66726768
ENSG00000015475	22	BID	18216906	rs2535698	22	18171590	A	G	0.172962	-0.015037	0.00976513	0.123592	-0.298685	0.0504989	3.33E-09	0.050344	0.0337836	0.1361738	0.1915829	10	0.64953202
ENSG00000237517	22	DGCR5	18958027	rs1814226	22	18957129	T	C	0.311133	-0.0055899	0.00953677	0.557784	-0.314228	0.0518339	1.34E-09	0.0177892	0.0304914	0.5596133	0.3117877	3	0.88384542
ENSG00000273032	22	DGCR9	19005347	rs8136002	22	18969794	A	C	0.640159	-0.0024538	0.00886201	0.781865	-0.315365	0.0500441	2.94E-10	0.00778079	0.0281279	0.7820706	0.00350117	17	0.94619098
ENSG00000273164	22	DGCR10	19010569	rs62230772	22	19010149	C	T	0.302187	0.0142084	0.00864654	0.100332	-0.918459	0.0848784	2.74E-27	-0.0154698	0.00952211	0.1042434	0.339719	20	0.61771552
ENSG00000070413	22	DGCR2	19023795	rs2238740	22	19048449	A	G	0.182903	0.0163776	0.0110411	0.137984	0.391965	0.0671315	5.26E-09	0.0417833	0.0290634	0.15053	0.2177026	15	0.66214005
ENSG00000070371	22	CLTCL1	19166986	rs5748099	22	19268873	C	T	0.258449	-0.0140086	0.00945798	0.138569	0.573037	0.0909174	2.92E-10	-0.0244462	0.0169546	0.1493408	0.6333626	11	0.66214005
ENSG00000232926	22	AC000078.5	19874812	rs8139091	22	19845283	C	G	0.240557	-0.0009363	0.00965918	0.922781	0.48492	0.0871371	2.62E-08	-0.0019308	0.0199221	0.9227926	0.3228131	5	0.9831448
ENSG00000128185	22	DGCR6L	20301799	rs2280116	22	20306716	T	A	0.427435	0.00215892	0.00808574	0.789467	-0.221302	0.0351936	3.21E-10	-0.0097555	0.0365701	0.7896516	0.8028044	3	0.94619098
ENSG00000099940	22	SNAP29	21213271	rs192565874	22	21042969	A	G	0.0735586	0.0242869	0.0168895	0.150439	-0.624389	0.107771	6.89E-09	-0.0388971	0.0278704	0.1628222	0.213864	3	0.66726768
ENSG00000230513	22	THAP7-AS1	21356175	rs28372939	22	21356824	A	G	0.21173	0.00642448	0.00951388	0.499502	-1.06665	0.114481	1.19E-20	-0.006023	0.0089428	0.5006242	0.5048204	14	0.86877057
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.67479	0.167075	1.19E-23	0.00457935	0.0106781	0.6680292	0.7460305	6	0.91826822
ENSG00000183506	22	PI4KAP2	21827289	rs853295	22	21054588	C	T	0.473161	0.00394331	0.00878225	0.653425	0.608148	0.0738661	1.82E-16	0.00648413	0.0144624	0.6539058	0.8240116	20	0.91325402
ENSG00000100034	22	PPM1F	22273793	rs2027790	22	22287964	C	T	0.444334	-0.0021363	0.00864284	0.804776	-0.31737	0.0508628	4.38E-10	0.00673113	0.0272541	0.8049257	0.404147	16	0.94938927
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.972804	0.0678373	1.23E-46	-0.0011252	0.00856851	0.8955255	0.1411088	20	0.97933547
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.613154	0.112304	4.77E-08	-0.0058419	0.0145275	0.6875914	0.8839858	4	0.93024642
ENSG00000128266	22	GNAZ	23412540	rs3788337	22	23412017	G	A	0.601392	0.0308429	0.00851636	0.00029278	0.341083	0.0619844	3.74E-08	0.0904264	0.0298911	0.0024847	0.5333341	5	0.19870039
ENSG00000186716	22	BCR	23521891	rs180811	22	23657495	G	C	0.357853	-0.0107249	0.00839388	0.201355	-0.540696	0.0486738	1.14E-28	0.0198354	0.0156266	0.2043213	0.07350132	20	0.711739
ENSG00000133519	22	ZDHHC8P1	23732793	rs8135792	22	23744814	A	G	0.0238569	-0.0203824	0.0280214	0.46699	1.34083	0.184446	3.61E-13	-0.0152013	0.0210029	0.4692053	0.9904891	3	0.85004484
ENSG00000234928	22	AP000344.3	23775751	rs56806351	22	23776219	A	G	0.158052	-0.001095	0.0103144	0.915454	0.673338	0.114821	4.51E-09	-0.0016262	0.0153208	0.9154674	0.2185627	5	0.97960182
ENSG00000178248	22	AP000345.1	23804273	rs9624152	22	23766857	A	G	0.120278	-0.0196465	0.0113932	0.084635	0.810123	0.141973	1.16E-08	-0.0242513	0.0146917	0.09880431	0.09090044	10	0.61356312
ENSG00000272733	22	KB-208E9.1	23923067	rs9284522	22	23978047	C	G	0.360835	-0.00313	0.00870547	0.719184	-0.719895	0.0916667	4.05E-15	0.00434791	0.0121054	0.7194661	0.583997	9	0.9357669
ENSG00000189269	22	C22orf43	23950639	rs6003820	22	23988257	C	T	0.362823	-0.0039403	0.00870298	0.650726	-0.772507	0.105978	3.12E-13	0.00510068	0.0112876	0.6513531	0.3101937	11	0.91325402
ENSG00000234353	22	AP000347.4	23980679	rs7292724	22	23970044	A	G	0.170974	-0.0031609	0.0141352	0.823053	-0.3709	0.0639546	6.65E-09	0.0085223	0.0381389	0.8231819	0.5086705	7	0.95584789
ENSG00000272578	22	AP000347.2	24000281	rs9624290	22	24028190	C	T	0.166998	-0.0035669	0.0139118	0.797649	-0.407084	0.0553505	1.91E-13	0.00876195	0.034195	0.7977697	0.3666094	5	0.94705994
ENSG00000128218	22	VPREB3	24094930	rs131441	22	24108756	C	T	0.83996	-0.0086888	0.0105722	0.411159	-0.794473	0.114522	4.00E-12	0.0109365	0.0134002	0.414417	0.1274576	9	0.82837215
ENSG00000099956	22	SMARCB1	24129150	rs34153752	22	24157624	G	A	0.12326	0.0211645	0.0119306	0.0760677	-0.422769	0.0734901	8.78E-09	-0.0500616	0.0295314	0.09003785	0.511742	4	0.60921089
ENSG00000218537	22	AP000350.4	24236613	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.99644	0.0928482	7.21E-27	0.00880505	0.00841981	0.2956749	0.2072277	20	0.77262895
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.18274	0.0765578	7.67E-54	0.00741811	0.00707611	0.2944857	0.2291542	20	0.77262895
ENSG00000225282	22	AP000350.6	24269087	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.924064	0.100216	2.95E-20	0.00949469	0.00909455	0.2964867	0.2168573	20	0.77262895
ENSG00000133433	22	GSTT2B	24299601	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	-0.927767	0.0814316	4.52E-30	-0.0094568	0.0090382	0.2954163	0.2589332	20	0.77262895
ENSG00000099977	22	DDT	24313554	rs5751775	22	24266726	C	T	0.609344	0.00863968	0.00835042	0.300837	0.315915	0.0538841	4.55E-09	0.0273481	0.0268409	0.3082523	0.2201719	11	0.7730656
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.593219	0.0960408	6.54E-10	0.0208737	0.0142872	0.1440121	0.7565328	8	0.66001207
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.26593	0.13283	1.57E-21	-0.0101456	0.00867308	0.2420903	0.5964013	16	0.75018932
ENSG00000224205	22	AP000351.4	24329511	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.964076	0.0888012	1.86E-27	0.0128441	0.00862332	0.1363654	0.7301723	20	0.64953202
ENSG00000099994	22	SUSD2	24577227	rs75303441	22	24571852	A	G	0.0497018	-0.0118984	0.0150535	0.429292	1.00141	0.17177	5.54E-09	-0.0118816	0.0151698	0.4334851	0.8395448	9	0.83930094
ENSG00000128262	22	POM121L9P	24647796	rs28668707	22	24653314	T	C	0.529821	-0.0090936	0.00818508	0.266569	-0.443643	0.0682195	7.86E-11	0.0204976	0.018717	0.2734578	0.9880641	20	0.76018963
ENSG00000100024	22	UPB1	24863206	rs5760444	22	24878218	C	T	0.587475	-0.0150216	0.00810291	0.0637602	-0.542792	0.0695289	5.87E-15	0.0276747	0.0153433	0.07127939	0.8811206	17	0.58576292
ENSG00000100058	22	CRYBB2P1	25844072	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	1.15163	0.126002	6.26E-20	-0.0348006	0.0140692	0.01337872	0.2203661	9	0.36421138
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.23677	0.135484	6.94E-20	0.0324049	0.0131019	0.01338708	0.1905809	9	0.36421138
ENSG00000235954	22	TTC28-AS1	28315364	rs2267128	22	28316173	A	G	0.0586481	-0.0221559	0.018107	0.221099	0.960571	0.13996	6.73E-12	-0.0230653	0.0191475	0.2283521	0.7013554	20	0.73490389
ENSG00000185340	22	GAS2L1	29702572	rs174759	22	29691382	T	A	0.610338	0.0107178	0.00820806	0.191631	0.248307	0.0413182	1.86E-09	0.0431635	0.0338274	0.2019581	0.5020042	8	0.70873328
ENSG00000184117	22	NIPSNAP1	29950797	rs468217	22	29952226	C	T	0.488072	0.00759714	0.00810171	0.348388	-0.296338	0.040579	2.82E-13	-0.0256367	0.0275639	0.3523275	0.9217073	7	0.80711135
ENSG00000214491	22	SEC14L6	30918786	rs4820865	22	30936781	G	A	0.754473	-0.0085131	0.00891926	0.339851	0.474535	0.0642121	1.47E-13	-0.0179398	0.0189519	0.3438436	0.7017978	11	0.80339547
ENSG00000237977	22	EIF4HP2	31298206	rs12167144	22	31298208	C	A	0.286282	0.00904248	0.00892191	0.310815	-0.81329	0.0942893	6.38E-18	-0.0111184	0.0110456	0.3141324	0.7022694	9	0.77424244
ENSG00000198089	22	SFI1	31884674	rs878718	22	31552702	G	A	0.576541	-0.0151212	0.00806841	0.060913	0.27999	0.0448457	4.28E-10	-0.0540062	0.0300871	0.07265401	0.6110938	14	0.58576292
ENSG00000241878	22	PISD	32014477	rs16989528	22	32217539	T	C	0.0407555	0.0224469	0.0155127	0.147897	0.504891	0.0908344	2.72E-08	0.0444589	0.0317489	0.161415	0.7933958	13	0.66726768
ENSG00000205853	22	RFPL3S	32755893	rs5998475	22	32801332	A	G	0.193837	-0.0035576	0.00934773	0.703513	-0.714471	0.0998808	8.48E-13	0.00497932	0.0131019	0.7039122	0.7553452	8	0.93408
ENSG00000100350	22	FOXRED2	36883237	rs146532334	22	36903096	T	C	0.0377734	0.00927211	0.0202896	0.647679	0.887813	0.137787	1.17E-10	0.0104438	0.0229109	0.6485027	0.6784307	17	0.91325402
ENSG00000100360	22	IFT27	37154246	rs1048015	22	37163080	T	C	0.752485	-0.0089149	0.00891641	0.317393	-0.42218	0.0592516	1.04E-12	0.0211163	0.0213268	0.3221116	0.2255362	9	0.77986469
ENSG00000128309	22	MPST	37415676	rs5756489	22	37417197	C	T	0.559642	-0.01421	0.00809432	0.0791644	0.264724	0.0460135	8.76E-09	-0.0536786	0.0319683	0.09312912	0.04569061	4	0.61143888
ENSG00000133466	22	C1QTNF6	37576207	rs4821603	22	37609294	G	A	0.528827	-0.0103563	0.00809	0.200496	-0.598155	0.0670907	4.85E-19	0.0173137	0.0136636	0.205105	0.616255	17	0.71288718
ENSG00000243902	22	RP1-63G5.5	37735624	rs4821644	22	37756273	G	C	0.749503	0.013189	0.00969365	0.173646	-0.299748	0.0529771	1.53E-08	-0.0440003	0.0332612	0.1858781	0.8530538	8	0.68770868
ENSG00000100106	22	TRIOBP	38093011	rs3788529	22	38158709	G	A	0.335984	0.00376634	0.00847309	0.656677	-0.286359	0.0417546	6.98E-12	-0.0131525	0.0296511	0.6573496	0.3678859	20	0.91640021
ENSG00000100151	22	PICK1	38452318	rs1004764	22	38474852	A	G	0.616302	-0.005591	0.00897148	0.533156	-0.428089	0.0523497	2.90E-16	0.0130604	0.0210178	0.5343396	0.7602022	20	0.88027458
ENSG00000184949	22	FAM227A	38974125	rs6001159	22	38966487	G	A	0.365805	-0.0050804	0.00840802	0.545694	0.364564	0.057834	2.91E-10	-0.0139354	0.0231689	0.5475271	0.7742159	12	0.88105123
ENSG00000228274	22	RP3-508I15.9	39063590	rs4821807	22	39065582	G	A	0.294235	-0.0042223	0.00856844	0.62217	-0.612189	0.10109	1.40E-09	0.00689712	0.0140427	0.623317	0.753444	16	0.90620675
ENSG00000239713	22	APOBEC3G	39436924	rs6519166	22	39472177	A	C	0.635189	0.00090712	0.00815957	0.911479	-0.505722	0.0739676	8.08E-12	-0.0017937	0.0161366	0.9114908	0.8546202	13	0.97933547
ENSG00000128268	22	MGAT3	39853349	rs113200473	22	39853740	A	G	0.724652	0.00192876	0.00911667	0.832448	0.351308	0.0566152	5.46E-10	0.00549023	0.0259657	0.832543	0.6409546	9	0.96017291
ENSG00000128272	22	ATF4	39915700	rs1048310	22	39913282	G	T	0.317097	0.00181851	0.00861636	0.832846	0.345638	0.0530932	7.51E-11	0.00526131	0.024942	0.8329323	0.3352549	3	0.96017291
ENSG00000100413	22	POLR3H	41921808	rs5758300	22	41725180	G	C	0.269384	0.0227898	0.00908951	0.0121669	0.373015	0.0539106	4.54E-12	0.0610962	0.0259182	0.01840985	0.9528946	13	0.40151731
ENSG00000172346	22	CSDC2	41956767	rs139561	22	42195410	C	T	0.196819	0.0179148	0.00953794	0.0603448	0.710541	0.0998137	1.09E-12	0.0252129	0.0138829	0.06935283	0.07387332	13	0.58210547
ENSG00000100162	22	CENPM	42334725	rs2157591	22	42348094	C	G	0.120278	0.00720074	0.0129528	0.578264	0.717139	0.118934	1.64E-09	0.0100409	0.0181384	0.5798706	0.1696214	6	0.88600607
ENSG00000183066	22	WBP2NL	42394729	rs6002561	22	42359204	G	A	0.449304	-0.0167534	0.00829901	0.0435151	-0.550524	0.0943973	5.48E-09	0.0304317	0.0159523	0.056434	0.1911067	11	0.56212074
ENSG00000198951	22	NAGA	42454358	rs1063392	22	42454950	G	A	0.474155	0.007265	0.00805003	0.366801	0.310418	0.0557097	2.52E-08	0.0234039	0.0262708	0.372998	0.02777326	11	0.8131246
ENSG00000183172	22	SMDT1	42475695	rs9611734	22	42502070	G	A	0.202783	-0.0231427	0.0123437	0.0608121	0.321833	0.0519982	6.04E-10	-0.071909	0.0400754	0.07275866	0.1529066	20	0.58576292
ENSG00000184983	22	NDUFA6	42481529	rs117529804	22	42669104	T	C	0.028827	0.0291349	0.0283791	0.304594	0.95638	0.112472	1.84E-17	0.0304637	0.0298889	0.3080935	0.4573618	14	0.7730656
ENSG00000100197	22	CYP2D6	42522501	rs1800754	22	42537597	A	G	0.532803	-0.0073977	0.00808508	0.360199	0.707101	0.0595015	1.44E-32	-0.0104621	0.011468	0.3616186	0.06608783	20	0.81217999
ENSG00000205702	22	CYP2D7P1	42536214	rs133380	22	42468910	T	C	0.648111	-0.0053038	0.00824797	0.520197	0.495849	0.0652813	3.06E-14	-0.0106964	0.0166935	0.5216861	0.8804755	20	0.8735594
ENSG00000189306	22	RRP7A	42905974	rs9611811	22	42910376	A	G	0.220676	0.00186551	0.0100927	0.853357	0.589435	0.102606	9.21E-09	0.00316491	0.0171315	0.8534314	0.09850041	7	0.96985738
ENSG00000182841	22	RRP7B	42951229	rs9611825	22	42994430	T	G	0.254473	0.0060856	0.00933771	0.51458	-0.317408	0.0475353	2.43E-11	-0.0191728	0.0295584	0.5165706	0.6217201	20	0.87335446
ENSG00000242247	22	ARFGAP3	43192508	rs713717	22	43396109	T	C	0.454274	0.00122801	0.00830928	0.88251	0.309548	0.0488135	2.28E-10	0.00396711	0.0268506	0.8825419	0.4567244	10	0.97641549
ENSG00000159307	22	SCUBE1	43593289	rs2007836	22	43693733	C	T	0.822068	-0.0088793	0.00984306	0.367011	-1.14413	0.112268	2.17E-24	0.00776074	0.00863673	0.3688797	0.1360612	14	0.8131246
ENSG00000130540	22	SULT4A1	44220389	rs138076	22	44236982	A	G	0.22167	0.0107782	0.00971539	0.267259	0.147387	0.0257075	9.85E-09	0.0731286	0.0671403	0.2760699	0.1464326	9	0.76018963
ENSG00000100347	22	SAMM50	44351301	rs6006467	22	44382247	C	A	0.134195	-0.0068485	0.0104519	0.51231	-0.58419	0.097306	1.93E-09	0.0117231	0.0179975	0.5148041	0.8645778	5	0.87335446
ENSG00000093000	22	NUP50	45559722	rs132864	22	45564834	C	G	0.698807	-0.0084944	0.00882986	0.336046	0.445272	0.0614233	4.19E-13	-0.0190768	0.0200041	0.340263	0.4689076	7	0.80246118
ENSG00000100373	22	UPK3A	45680863	rs1135360	22	45685002	G	A	0.432406	-0.0127224	0.00813953	0.118044	0.512454	0.0851633	1.77E-09	-0.0248264	0.0164105	0.130322	0.2574998	8	0.64953202
ENSG00000100376	22	FAM118A	45704849	rs5765271	22	45746826	G	T	0.865805	0.0127513	0.0105659	0.227499	-1.53542	0.113444	9.77E-42	-0.0083048	0.00690874	0.2293379	0.6305696	20	0.7352792
ENSG00000075234	22	TTC38	46663858	rs60032274	22	46693060	T	A	0.0248509	-0.0228733	0.0296319	0.440166	0.722171	0.086343	6.06E-17	-0.031673	0.0412061	0.4421022	0.7829851	8	0.84015584
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.850471	0.0834657	2.21E-24	0.00263128	0.00999255	0.7923006	0.9025836	8	0.94619098
ENSG00000188511	22	C22orf34	49808176	rs2071904	22	50034477	T	C	0.624254	-0.007169	0.00835999	0.391147	0.567083	0.0687721	1.64E-16	-0.0126419	0.0148216	0.393693	0.6929096	17	0.81370679
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.61632	0.154215	1.06E-25	0.0311688	0.0162809	0.055564	0.00081369	20	0.56212074
ENSG00000128159	22	TUBGCP6	50656118	rs17248273	22	50658570	G	A	0.395626	0.0105491	0.00823539	0.200213	0.262018	0.0436068	1.87E-09	0.040261	0.0321369	0.2102802	0.8043777	12	0.71706814
ENSG00000100429	22	HDAC10	50683612	rs5771258	22	50675648	A	C	0.739563	0.00312063	0.00946955	0.741746	-0.522854	0.078857	3.35E-11	-0.0059685	0.0181336	0.7420519	0.8824792	8	0.93877036
ENSG00000188130	22	MAPK12	50683879	rs5771284	22	50695270	C	A	0.700795	0.00447029	0.00907365	0.622247	-0.537729	0.0647344	9.84E-17	-0.0083133	0.0169037	0.6228586	0.6420324	6	0.90613222
ENSG00000100239	22	PPP6R2	50781733	rs2076712	22	50870620	T	G	0.319085	-0.0062831	0.00819408	0.443207	0.375508	0.0564055	2.79E-11	-0.0167323	0.0219656	0.4462083	0.2774845	13	0.84232919
ENSG00000217442	22	SYCE3	50989541	rs78789402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.61291	0.152988	5.49E-26	0.00217636	0.00951591	0.8190965	0.4752811	18	0.95527264
ENSG00000205560	22	CPT1B	51007290	rs131756	22	51021599	T	C	0.525845	0.0103632	0.00812742	0.202276	0.406593	0.0575295	1.58E-12	0.0254879	0.0203118	0.2095396	0.9546374	11	0.71706814
ENSG00000100288	22	CHKB	51017378	rs762676	22	51017794	G	A	0.0427435	-0.0168835	0.0161755	0.296592	0.864091	0.11727	1.73E-13	-0.019539	0.0189066	0.3013921	0.5075261	4	0.77288957

ENSG00000100299	22	ARSA	51061182	rs6151429	22	51063477	C	T	0.0815109	-0.0164026	0.0215329	0.446214	-0.910031	0.135953	2.18E-11	0.0180242	0.0238144	0.4491332	0.9351687	7	0.84260552
ENSG00000184319	22	AC002055.4	51195376	rs9616978	22	51220319	G	C	0.0735586	-0.0141511	0.0155384	0.362444	-0.815633	0.130423	4.01E-10	0.0173498	0.0192517	0.3674757	0.4192425	9	0.8131246
ENSG00000062096	23	ARSF	2959512	rs6642089	23	2934715	T	C	0.655352	-0.0021772	0.007724	0.778037	0.197986	0.0340911	6.34E-09	-0.0109969	0.0390588	0.7782898	0.02815765	9	0.94619098
ENSG00000101825	23	MXRA5	3226606	rs7889855	23	3075967	T	G	0.215405	0.0102211	0.0082711	0.216547	-0.334771	0.0573958	5.45E-09	-0.0305316	0.0252552	0.2266916	0.3472603	3	0.73111964
ENSG00000205664	23	RP11-706O15.1	3735569	rs6655837	23	3747314	A	G	0.18799	0.0114228	0.00976392	0.242041	-0.466077	0.0657126	1.32E-12	-0.0245084	0.0212322	0.2483764	0.9781035	8	0.75081938
ENSG00000101846	23	STS	7137497	rs2890057	23	6975401	T	C	0.185379	-0.0001841	0.00951482	0.98456	-0.203697	0.0349658	5.69E-09	0.00090397	0.0467109	0.98456	0.08390377	11	0.99484259
ENSG00000182583	23	VCX	7810303	rs2529876	23	7810800	T	C	0.64752	-0.0100402	0.00725075	0.166141	-0.570358	0.0749596	2.77E-14	0.0176033	0.0129214	0.1730919	0.8195015	6	0.67633689
ENSG00000006757	23	PNPLA4	7866288	rs1179150	23	7907145	T	A	0.583551	-0.005519	0.0071027	0.43714	0.241697	0.038787	4.62E-10	-0.0228345	0.0296144	0.4406715	0.8155517	4	0.84015584
ENSG00000046647	23	GEMIN8	14026398	rs73438928	23	14050842	T	C	0.300261	0.00254085	0.00785406	0.74631	-0.509329	0.0535724	1.96E-21	-0.0049886	0.0154293	0.7464524	0.5851956	15	0.94072965
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.485427	0.0376085	4.09E-38	-0.0187767	0.0156286	0.2295832	0.02066128	20	0.7352792
ENSG00000165197	23	FIGF	15363713	rs908005	23	15509700	C	T	0.646214	0.0196285	0.00760072	0.00981002	0.388838	0.064873	2.05E-09	0.0504799	0.0212844	0.01770713	0.08944483	9	0.3923078
ENSG00000087842	23	PIR	15402921	rs3827466	23	15512734	G	A	0.650131	0.019018	0.00759353	0.0122625	0.470497	0.0474026	3.22E-23	0.0404211	0.0166452	0.01516619	0.2274695	20	0.38894064
ENSG00000130234	23	ACE2	15579156	rs5936013	23	15714073	A	G	0.52611	-0.0004557	0.00705082	0.948466	0.525246	0.0793245	3.56E-11	-0.0008676	0.0134245	0.9484683	0.8803667	4	0.98687457
ENSG00000147003	23	TMEM27	15645441	rs5936013	23	15714073	A	G	0.52611	-0.0004557	0.00705082	0.948466	0.536668	0.065234	1.92E-16	-0.0008492	0.0131385	0.9484674	0.6877525	6	0.98687457
ENSG00000186312	23	CA5BP1	15693055	rs6629110	23	15643279	C	T	0.52611	0.00041772	0.00705264	0.95277	0.330877	0.0544395	1.22E-09	0.00126247	0.021316	0.9527718	0.8830174	6	0.98687457
ENSG00000169249	23	ZRSR2	15808595	rs2189277	23	15847052	C	T	0.74282	-0.0075056	0.00824779	0.362816	-0.618596	0.0622768	2.99E-23	0.0121333	0.0133889	0.3648197	0.2350333	5	0.81292847
ENSG00000169891	23	REPS2	16964814	rs4828550	23	17152776	G	A	0.792428	-0.0048899	0.0079946	0.540772	0.160792	0.0293639	4.35E-08	-0.0304112	0.0500293	0.5432762	0.3648529	3	0.880541
ENSG00000173674	23	EIF1AX	20142636	rs59952398	23	20149005	A	G	0.203655	0.0142083	0.00845143	0.0927299	-0.195805	0.0358819	4.84E-08	-0.0725635	0.0451644	0.1081306	0.9762642	16	0.61771552
ENSG00000101868	23	POLA1	24712036	rs185991473	23	24891773	G	A	0.0221932	0.00314744	0.020696	0.879124	-1.08331	0.194651	2.62E-08	-0.0029054	0.0191115	0.8791689	0.469735	3	0.97641549
ENSG00000147041	23	SYTL5	37865835	rs12387114	23	37891616	T	A	0.310705	0.00463986	0.00752763	0.537645	0.153716	0.028028	4.15E-08	0.0301846	0.0492793	0.5401931	0.1160964	4	0.88027458
ENSG00000101955	23	SRPX	38008589	rs5964314	23	38086806	A	C	0.244125	-0.0015499	0.00826374	0.851223	0.481692	0.0567718	2.16E-17	-0.0032177	0.0171598	0.8512591	0.2264	9	0.96955881
ENSG00000183690	23	EFHC2	44007128	rs6610916	23	44192754	T	C	0.396867	0.00228794	0.00710314	0.747376	-0.289704	0.0493586	4.37E-09	-0.0078975	0.0245555	0.7477416	0.8261304	6	0.94125725
ENSG00000147119	23	CHST7	46433219	rs6611279	23	46475904	T	C	0.519582	-0.0063663	0.00704031	0.365855	-0.316971	0.0408085	8.02E-15	0.0200848	0.0223612	0.3690801	0.09025562	20	0.8131246
ENSG00000147155	23	EBP	48379546	rs6608809	23	48355761	T	C	0.357702	-0.0178011	0.00726163	0.0142302	0.254252	0.0415031	9.01E-10	-0.0700136	0.0307625	0.02284973	0.4125397	7	0.4338161
ENSG00000102007	23	PLP2	49028273	rs139113470	23	49369120	C	G	0.0248042	0.00579542	0.0168922	0.731536	-0.633869	0.0873731	4.02E-13	-0.0091429	0.0266791	0.7318245	0.4282541	3	0.93735246
ENSG00000204272	23	RP11-622K12.1	56755692	rs965100	23	57297555	T	A	0.274151	-0.0005359	0.00942913	0.95468	0.318845	0.0509491	3.90E-10	-0.0016807	0.029574	0.9546816	0.2742277	11	0.98687457
ENSG00000215162	23	LINC00269	68399400	rs3904331	23	68420848	G	A	0.319843	-0.0076528	0.00746794	0.305482	0.557848	0.0650174	9.49E-18	-0.0137184	0.0134822	0.308907	0.1341835	9	0.77337684
ENSG00000147164	23	SNX12	70279094	rs34211894	23	70282696	G	A	0.586162	-0.0012872	0.00706388	0.855414	-0.345796	0.045526	3.06E-14	0.00372228	0.0204338	0.8554546	0.91896	3	0.97096378
ENSG00000231963	23	RP11-493K23.4	72300006	rs67276087	23	72210780	A	G	0.133159	-0.0083423	0.0107421	0.437395	-0.511044	0.0814245	3.47E-10	0.016324	0.0211802	0.4408729	0.3547084	9	0.84015584
ENSG00000204118	23	NAP1L6	72345876	rs67056036	23	72374634	G	A	0.0953003	-0.0238309	0.0130409	0.0676394	0.531591	0.0957006	2.78E-08	-0.0448294	0.0258253	0.08258605	0.233288	10	0.59786567
ENSG00000187325	23	TAF9B	77385245	rs6623252	23	77530733	T	C	0.796345	-0.0003353	0.00867306	0.969163	0.425277	0.051111	8.75E-17	-0.0007884	0.0203941	0.9691636	0.5342115	20	0.98748223
ENSG00000184788	23	SATL1	84347293	rs61050881	23	84568950	A	G	0.140992	-0.0049859	0.00945555	0.597986	-0.561564	0.0837168	1.97E-11	0.0088786	0.0168898	0.5991126	0.1256857	7	0.89765645
ENSG00000102359	23	SRPX2	99899215	rs2073166	23	99906205	A	G	0.129243	0.00370627	0.011956	0.756568	-0.415712	0.0691284	1.81E-09	-0.0089155	0.0287985	0.7568793	0.8038589	3	0.94386409
ENSG00000102362	23	SYTL4	99929488	rs6620928	23	99998829	T	C	0.477807	-0.0001217	0.00708942	0.9863	-0.401774	0.0381139	5.57E-26	0.00030299	0.0176453	0.9862999	0.4443665	13	0.99484259
ENSG00000188917	23	TRMT2B	100264335	rs5921708	23	100274985	G	C	0.417755	-0.0055615	0.00741717	0.453366	0.449019	0.0643683	3.04E-12	-0.0123859	0.0166138	0.4559575	0.3716655	7	0.84363563
ENSG00000184905	23	TCEAL2	101380660	rs5944799	23	101051358	G	A	0.224543	-0.0133339	0.00917481	0.146135	-0.268307	0.0349313	1.58E-14	0.0496964	0.0348019	0.1532976	0.4414703	16	0.66578807
ENSG00000198932	23	GPRASP1	101906294	rs143672620	23	102172244	T	C	0.0796345	0.00760108	0.0105022	0.469213	-0.365817	0.0381131	8.14E-22	-0.0207784	0.0287904	0.4704717	0.4961755	18	0.85004484
ENSG00000172476	23	RAB40A	102754678	rs4140428	23	102720961	T	G	0.749347	-0.0057281	0.00897099	0.523136	-0.370453	0.0510036	3.78E-13	0.0154625	0.0243097	0.524734	0.02035996	6	0.87477765
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.337775	0.0445476	3.39E-14	-0.0387122	0.0238998	0.1052817	0.6343368	14	0.61771552
ENSG00000018610	23	CXorf56	118672112	rs56673943	23	118637237	G	A	0.0417755	0.00592615	0.019648	0.762945	-0.802565	0.0793794	4.96E-24	-0.007384	0.0244924	0.7630471	0.9903089	20	0.94539028
ENSG00000125351	23	UPF3B	118967985	rs2496229	23	119012300	T	G	0.549608	0.00352266	0.00705621	0.617618	-0.40385	0.0656088	7.49E-10	-0.0087227	0.0175297	0.6187699	0.7686544	19	0.90567597
ENSG00000233433	23	RP1-296G17.3	120158818	rs3953782	23	120217811	C	T	0.516971	0.00774338	0.00709036	0.274789	-0.480062	0.0793199	1.43E-09	-0.01613	0.0150082	0.28249	0.9148587	9	0.76635258
ENSG00000165675	23	ENOX2	129757350	rs3021194	23	129671286	T	C	0.809399	-0.0148225	0.00873209	0.0896066	-0.389654	0.0596802	6.62E-11	0.0380402	0.0231549	0.1004122	0.9356337	13	0.61625069
ENSG00000203950	23	FAM127B	134184962	rs4614163	23	134204238	C	T	0.693211	0.00205254	0.007804	0.792541	-0.412575	0.0537131	1.58E-14	-0.004975	0.0189264	0.7926606	0.1980149	18	0.94619098
ENSG00000169551	23	CXorf48	134290461	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.497186	0.0800544	5.28E-10	-0.018579	0.0156213	0.234308	0.8391261	8	0.74357473
ENSG00000236491	23	RP13-565O16.2	134314179	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.469127	0.0804152	5.42E-09	-0.0196902	0.0165961	0.2354497	0.7833415	7	0.74413384
ENSG00000238039	23	AF011889.2	148593039	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.662614	0.0724635	6.01E-20	-0.0078587	0.0108823	0.4702017	0.9174036	15	0.85004484
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.675793	0.0863958	5.20E-15	0.00661784	0.0112122	0.555033	0.622624	13	0.88290059
ENSG00000102181	23	CD99L2	149934810	rs6877	23	149935100	C	T	0.600522	0.0160558	0.00717985	0.0253367	-0.255615	0.0414219	6.79E-10	-0.0628124	0.0298759	0.03551439	0.3159191	3	0.46953024
ENSG00000225110	23	LL0XNC01-16G2.1	152583141	rs995423	23	152601073	A	T	0.509138	-0.0003382	0.0070631	0.961812	-0.296902	0.0428182	4.09E-12	0.00113903	0.0237899	0.9618129	0.6577566	13	0.98687457
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.20328	0.148038	4.36E-16	-0.011198	0.0173486	0.5186236	0.2773315	14	0.87335446
ENSG00000184343	23	SRPK3	153041867	rs1981439	23	153047809	G	A	0.834204	-0.0070765	0.00892488	0.427842	0.397389	0.0567126	2.43E-12	-0.0178074	0.0226021	0.4307773	0.5838405	3	0.83898251
ENSG00000102030	23	NAA10	153194695	rs3027933	23	153298874	C	G	0.851175	-0.0026898	0.00978707	0.783446	0.267046	0.0489354	4.84E-08	-0.0100723	0.0366958	0.7837142	0.25141	8	0.94619098
ENSG00000177854	23	TMEM187	153237778	rs6643807	23	153243159	C	G	0.190601	0.0108673	0.00930178	0.242684	-0.405108	0.0603953	1.98E-11	-0.0268257	0.0233069	0.2497425	0.06417917	11	0.75322338
ENSG00000147403	23	RPL10	153618315	rs2070807	23	153637305	T	C	0.0822454	0.00528676	0.00984205	0.591157	-0.304373	0.0437028	3.29E-12	-0.0173693	0.0324315	0.5922559	0.7021923	4	0.89561036
ENSG00000130827	23	PLXNA3	153686621	rs2070822	23	153579448	G	A	0.203655	-0.0093381	0.00834324	0.263039	-0.410873	0.048399	2.08E-17	0.0227274	0.0204818	0.2671561	0.1260747	20	0.75616222
ENSG00000185010	23	F8	154064063	rs1936645	23	154198170	C	G	0.199739	-0.0104711	0.00830173	0.207194	-0.296424	0.0505831	4.62E-09	0.0353247	0.0286476	0.2175472	0.2421788	13	0.72551687
ENSG00000185973	23	TMLHE	154719776	rs2085081	23	154784876	T	G	0.802872	0.0163441	0.00823847	0.0472694	-0.337502	0.0604632	2.38E-08	-0.0484267	0.025906	0.06157793	0.4923181	5	0.56212074

Table S7. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in hypothalamus

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000272512	1	RP11-54O7.17	931346	rs2799060	1	931362	A	G	0.360835	-0.0060207	0.00818077	0.461758	-0.593788	0.0768439	1.10E-14	0.0101395	0.0138396	0.4637774	0.4753441	20	0.86904091
ENSG00000131591	1	C1orf159	1017198	rs77977351	1	1034200	C	T	0.166998	-0.0046401	0.00996292	0.641404	-0.464388	0.0698259	2.92E-11	0.00999182	0.0215064	0.64222	0.5960814	12	0.91818653
ENSG00000127054	1	CPSF3L	1246965	rs61766198	1	1243896	T	C	0.807157	0.00695746	0.00929263	0.454034	-0.261653	0.0477457	4.25E-08	-0.0265904	0.035845	0.4581988	0.7626655	8	0.86904091
ENSG00000242485	1	MRPL20	1337288	rs2936661	1	1300946	A	G	0.852883	0.0150346	0.0101182	0.137307	-0.347389	0.0529286	5.26E-11	-0.0432789	0.0298635	0.1472757	0.9709056	16	0.66601785
ENSG00000235098	1	ANKRD65	1353800	rs3766165	1	1354594	G	A	0.0924453	-0.0096122	0.0114549	0.401396	-0.919323	0.101485	1.32E-19	0.0104557	0.0125135	0.403406	0.2874425	20	0.84507976
ENSG00000215915	1	ATAD3C	1385069	rs4590	1	1375810	G	C	0.188867	-0.0138068	0.00926983	0.136373	-0.628971	0.0695303	1.48E-19	0.0219514	0.0149365	0.1416576	0.9386248	20	0.66337789
ENSG00000160072	1	ATAD3B	1407143	rs144526264	1	1466393	A	G	0.0129225	0.0361086	0.042041	0.390401	-1.9586	0.22561	3.91E-18	-0.0184359	0.0215696	0.3927077	0.4933746	15	0.83577283
ENSG00000272106	1	RP11-345P4.9	1549138	rs4648611	1	1550702	G	A	0.706759	0.00023827	0.00908885	0.979085	-0.424785	0.0627529	1.30E-11	-0.0005609	0.0213965	0.9790852	0.121409	10	0.99330845
ENSG00000189339	1	SLC35E2B	1592939	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	-1.03239	0.0798044	2.80E-38	-0.0033059	0.00933253	0.7231603	0.4548637	20	0.93027903
ENSG00000269737	1	RP11-345P4.7	1603429	rs28678861	1	1606287	C	G	0.964215	0.059421	0.0198663	0.00278023	-1.68518	0.222319	3.45E-14	-0.0352609	0.0126734	0.00539801	0.7728876	12	0.2764859
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.4869	0.186343	1.47E-15	-0.0089408	0.020831	0.6677727	0.2563604	4	0.92695413
ENSG00000227775	1	RP1-283E3.4	1655951	rs4648774	1	1592881	A	C	0.295229	-0.0047811	0.00909746	0.599209	0.686747	0.0765884	3.05E-19	-0.0069619	0.0132699	0.5998344	0.4508282	14	0.90357711
ENSG00000215790	1	SLC35E2	1656277	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.47169	0.181684	5.48E-16	-0.0090332	0.0210454	0.6677593	0.3400579	5	0.92695413
ENSG00000231050	1	RP1-140A9.1	1822910	rs3806168	1	1823524	C	G	0.197813	-0.0017534	0.0109635	0.872936	-0.912712	0.125035	2.89E-13	0.00192108	0.0120149	0.8729666	0.4907667	17	0.97372213
ENSG00000272420	1	RP4-740C4.7	2294500	rs4648829	1	2275138	T	C	0.318091	-0.0028714	0.00841294	0.732868	0.367531	0.0640429	9.53E-09	-0.0078128	0.0229309	0.7333226	0.8353186	7	0.93390991
ENSG00000169598	1	DFFB	3773845	rs34103490	1	3793818	T	C	0.188867	0.00970173	0.0101723	0.340213	-0.558449	0.0790083	1.57E-12	-0.0173726	0.0183803	0.3445698	0.9638616	13	0.8233267
ENSG00000198912	1	C1orf174	3805689	rs35583447	1	3829614	G	A	0.737575	-0.0051452	0.00937583	0.583159	0.632919	0.106965	3.28E-09	-0.0081294	0.0148772	0.5847698	0.4952517	3	0.90118119
ENSG00000116237	1	ICMT	6281253	rs113616976	1	6275300	C	T	0.0477137	-0.0349715	0.0299452	0.242867	-0.89698	0.145243	6.59E-10	0.038988	0.0339761	0.2511698	0.1961624	11	0.7403233
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.615705	0.0688266	3.69E-19	0.00334012	0.0131105	0.7989027	0.01907519	16	0.95149298
ENSG00000238290	1	RP11-431K24.1	8086798	rs6700772	1	8087469	G	C	0.425447	0.00133934	0.00853635	0.875325	0.680675	0.10278	3.53E-11	0.00196766	0.0125445	0.8753596	0.2787774	6	0.97517727
ENSG00000242349	1	NPPA-AS1	11901074	rs198360	1	11904569	C	T	0.114314	0.0114525	0.0149647	0.444092	-1.01468	0.110946	5.92E-20	-0.0112868	0.0147997	0.4456807	0.1068858	20	0.86618806
ENSG00000162461	1	SLC25A34	16062900	rs11577746	1	16061586	G	A	0.21173	-0.0043913	0.010149	0.665243	-0.579225	0.0701181	1.45E-16	0.00758139	0.0175457	0.6656733	0.03572303	12	0.92695413
ENSG00000186510	1	CLCNKA	16345370	rs10927892	1	16359051	A	C	0.557654	0.0101146	0.00809814	0.211664	-0.497157	0.0725144	7.08E-12	-0.0203449	0.016557	0.2191548	0.1583318	11	0.72256326
ENSG00000232456	1	RP11-5P18.10	16361673	rs1414498	1	16381718	C	T	0.791252	0.00716724	0.00880481	0.415637	0.947311	0.127919	1.31E-13	0.00756588	0.00935051	0.4184342	0.7088673	11	0.8550524
ENSG00000037637	1	FBXO42	16573334	rs4661727	1	16568613	C	T	0.337972	-0.0205258	0.00859209	0.0168978	-0.235726	0.042073	2.11E-08	0.0870748	0.0396245	0.02798462	0.8075697	8	0.44944996
ENSG00000226029	1	RP4-798A10.2	16787443	rs156918	1	16855183	C	G	0.606362	0.00978019	0.00846045	0.247686	-0.370512	0.0659733	1.95E-08	-0.0263964	0.0233132	0.2575283	0.4514441	13	0.75097661
ENSG00000186301	1	MST1P2	16972069	rs76074825	1	17284498	C	T	0.525845	-0.0053509	0.00810043	0.508885	0.457473	0.0791914	7.61E-09	-0.0116967	0.0178223	0.5116332	0.8878173	11	0.87134983
ENSG00000186715	1	MST1L	17081405	rs2235932	1	17303589	T	C	0.579523	-0.0081635	0.00807241	0.311881	-0.607484	0.103971	5.13E-09	0.0134382	0.0134858	0.3190231	0.4709436	12	0.79207218
ENSG00000238142	1	RP11-108M9.4	17215033	rs157252	1	16796721	C	A	0.553678	-0.0031391	0.00807261	0.697381	-0.503452	0.0874531	8.57E-09	0.00623517	0.0160711	0.6980343	0.5628012	9	0.92906635
ENSG00000127463	1	EMC1	19542158	rs710870	1	19549759	A	G	0.390656	-0.0205678	0.00831121	0.0133343	-0.308749	0.044203	2.85E-12	0.0666166	0.0285586	0.01966767	0.5339242	14	0.3933534
ENSG00000040487	1	PQLC2	19638820	rs2314345	1	19780968	T	G	0.639165	0.00699222	0.00859254	0.415785	0.317683	0.0511745	5.37E-10	0.0220101	0.0272789	0.4197517	0.7179133	7	0.8550524
ENSG00000169914	1	OTUD3	20209006	rs12403258	1	20235353	G	C	0.0198807	0.0291346	0.0181336	0.108128	1.47955	0.206566	7.92E-13	0.0196915	0.0125607	0.1169494	0.4836212	5	0.64371605
ENSG00000227066	1	RP3-340N1.2	20480831	rs2301475	1	20499168	C	T	0.323062	0.0104618	0.00850949	0.218914	0.859318	0.0929343	2.32E-20	0.0121745	0.00998976	0.2229573	0.2639401	6	0.72611201
ENSG00000090432	1	MUL1	20825943	rs6700034	1	20834610	A	C	0.119284	-0.0155343	0.0123524	0.208541	0.574765	0.0796566	5.37E-13	-0.0270272	0.0218152	0.2153762	0.4190798	14	0.71455015
ENSG00000158825	1	CDA	20915441	rs34918162	1	20935082	C	T	0.204771	0.00217484	0.0116695	0.852155	0.446762	0.068568	7.24E-11	0.00486801	0.0261309	0.8522147	0.1367659	8	0.96801944
ENSG00000117245	1	KIF17	20990507	rs601329	1	21044161	G	A	0.7167	0.00042191	0.00905126	0.962821	0.250862	0.0450371	2.55E-08	0.00168184	0.0360819	0.9628226	0.3872625	7	0.98798834
ENSG00000227001	1	NBPF2P	21751118	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	0.965741	0.118704	4.10E-16	-0.0138298	0.00985517	0.1605263	0.5707428	7	0.67203469
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.35	0.0967788	3.18E-44	0.00989333	0.00698049	0.1563998	0.1995938	16	0.67203469
ENSG00000218510	1	LINC00339	22351681	rs11801382	1	22352108	T	C	0.27833	0.0065088	0.00916258	0.477476	0.816494	0.0970409	3.97E-17	0.00797164	0.0112618	0.4790388	0.2591453	4	0.87134983
ENSG00000204219	1	TCEA3	23707554	rs1986133	1	23804917	T	C	0.688867	-0.0127259	0.00917197	0.165295	0.579184	0.083891	5.06E-12	-0.0219721	0.0161526	0.1737414	0.1360815	18	0.67238185
ENSG00000117305	1	HMGCL	24128375	rs59650706	1	24150112	C	G	0.332008	-0.0143897	0.00823814	0.0806863	0.31747	0.0565226	1.95E-08	-0.0453262	0.0271752	0.09533091	0.4086966	3	0.62377015
ENSG00000261349	1	RP3-465N24.5	25592593	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.839477	0.101402	1.25E-16	0.0361003	0.0109782	0.00100768	0.9850599	8	0.15439722
ENSG00000187010	1	RHD	25598884	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-1.0421	0.0918608	7.91E-30	0.0290811	0.00851125	0.00063366	0.2392446	13	0.11946234
ENSG00000224183	1	SDHDP6	25620655	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.83642	0.102034	2.46E-16	0.0362323	0.0110356	0.00102629	0.3592006	9	0.15439722
ENSG00000188672	1	RHCE	25688740	rs646867	1	25709258	C	A	0.554672	-0.0126739	0.00805576	0.115655	0.687934	0.0807207	1.56E-17	-0.0184231	0.0119079	0.1218318	0.0196675	13	0.64732686
ENSG00000158022	1	TRIM63	26377795	rs111656050	1	26464923	A	G	0.178926	-0.0213822	0.0111584	0.0553337	0.896057	0.135263	3.48E-11	-0.0238625	0.0129633	0.06565419	0.06153391	10	0.57851705
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.843997	0.0717266	5.78E-32	0.0169805	0.0117524	0.1484971	0.00624807	20	0.6669785
ENSG00000090273	1	NUDC	27226729	rs17162339	1	27252823	A	C	0.0755467	-0.0221061	0.0150518	0.141923	0.674845	0.103644	7.46E-11	-0.0327573	0.0228644	0.1519509	0.4829033	18	0.66854266
ENSG00000174950	1	CD164L2	27705666	rs9438524	1	27820430	T	C	0.120278	0.0112405	0.0133464	0.399669	0.659514	0.10474	3.04E-10	0.0170436	0.0204169	0.4038427	0.07097259	9	0.84515945
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.54275	0.132794	3.36E-31	0.0139006	0.0125137	0.2666435	0.8288664	20	0.75775365
ENSG00000130770	1	ATPIF1	28562620	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-0.242056	0.0392479	6.94E-10	0.0284361	0.0375654	0.4490655	0.6939949	7	0.86618806
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.03797	0.0748602	1.03E-43	0.00663133	0.00870722	0.446305	0.4841262	20	0.86618806
ENSG00000204138	1	PHACTR4	28696114	rs12086764	1	28663444	C	T	0.461233	0.0148984	0.00811556	0.0663896	-0.310283	0.0459575	1.46E-11	-0.0480155	0.027105	0.07648343	0.7288646	12	0.58667734
ENSG00000084628	1	NKAIN1	31652592	rs11584136	1	31685616	C	G	0.760437	0.00128925	0.00890456	0.88488	0.629441	0.0842649	8.03E-14	0.00204825	0.0141494	0.8849018	0.05319087	10	0.97813375
ENSG00000220785	1	MTMR9LP	32697259	rs3795425	1	32706791	T	G	0.0328032	0.00220287	0.017231	0.898273	0.551711	0.0963019	1.01E-08	0.0039928	0.0312397	0.8982981	0.9560058	7	0.97813375
ENSG00000163866	1	SMIM12	35178338	rs12133839	1	35312243	T	C	0.333002	0.00148137	0.00864623	0.863964	-0.303078	0.052741	9.11E-09	-0.0048878	0.0285407	0.8640231	0.7888299	3	0.97039534
ENSG00000116885	1	OSCP1	36881428	rs2275477	1	36886117	T	C	0.206759	-0.0086656	0.0105296	0.410522	0.284615	0.0505003	1.74E-08	-0.0304468	0.0373883	0.4154497	0.6125224	3	0.8550524
ENSG00000233621	1	RP11-422J8.1	37920480	rs2245867	1	37931878	G	T	0.527833	0.00342886	0.00820723	0.676105	0.626233	0.0823782	2.92E-14	0.00547537	0.0131255	0.6765645	0.2831712	10	0.92906635
ENSG00000163879	1	DNALI1	38022520	rs149082223	1	38016589	G	A	0.054672	0.0107942	0.0138871	0.436991	-0.444661	0.0698493	1.94E-10	-0.0242751	0.0314627	0.4403795	0.2460764	6	0.86618806
ENSG00000204084	1	INPP5B	38326369	rs12760154	1	38284616	C	G	0.280318	0.00660722	0.00863572	0.44421	0.393724	0.0691781	1.26E-08	0.0167813	0.0221307	0.4482818	0.7910299	7	0.86618806
ENSG00000237624	1	OXCT2P1	39980628	rs12410202	1	40001813	T	C	0.144135	-0.0202628	0.0102679	0.0484485	-0.807053	0.143093	1.70E-08	0.0251071	0.013479	0.06250664	0.110107	6	0.57118137
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-1.00342	0.130654	1.59E-14	0.00584819	0.0166449	0.725325	0.9922526	4	0.9314019
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.720532	0.069876	6.25E-25	-0.0006577	0.0116032	0.9547984	0.410861	17	0.98791053
ENSG00000043514	1	TRIT1	40306723	rs137882240	1	40346661	A	G	0.101392	0.0213879	0.0134163	0.110898	-0.529107	0.0899115	3.99E-09	-0.0404226	0.0262704	0.1238746	0.1731792	10	0.65156573
ENSG00000187815	1	ZFP69	40942887	rs56190382	1	40947282	T	C	0.0457256	-0.0054078	0.0194318	0.780784	0.911388	0.140984	1.02E-10	-0.0059336	0.0213409	0.7809825	0.4297053	5	0.9484432
ENSG00000238287	1	RP11-656D10.3	40958829	rs7547819	1	40948479	C	T	0.32505	-0.0046961	0.00877462	0.592517	-0.903573	0.105003	7.62E-18	0.00519727	0.00972979	0.5932306	0.7536917	20	0.90196409
ENSG00000164002	1	EXO5	40974413	rs2982502	1	40930624	G	A	0.328032	0.0188378	0.0089404	0.035114	0.485165	0.0834372	6.07E-09	0.0388276	0.0196001	0.047592	0.08533644	3	0.54577156
ENSG00000272145	1	RP4-739H11.4	41156052	rs2744798	1	41169120	C	T	0.775348	0.00180699	0.0096329	0.851202	-0.519167	0.0818245	2.23E-10	-0.0034806	0.0185626	0.851266	0.1295718	7	0.96801944
ENSG00000164008	1	C1orf50	43232940	rs7538928	1	43289804	G	A	0.251491	0.00403247	0.0084494	0.633184	-0.56732	0.0710905	1.46E-15	-0.0071079	0.0149201	0.6337908	0.5156148	20	0.91682697
ENSG00000228452	1	RP5-994D16.9	43241484	rs10493114	1	43245560	G	A	0.253479	0.00391403	0.00844733	0.643117	0.597852	0.0938933	1.92E-10	0.00654682	0.0141668	0.6439929	0.5855141	20	0.91818653
ENSG00000177868	1	CCDC23	43272723	rs56361642	1	43281980	C	A	0.294235	0.00079131	0.00833523	0.924366	0.404333	0.0631656	1.54E-10	0.00195707	0.020617	0.9243747	0.2928088	14	0.980818
ENSG00000164010	1	ERMAP	43282795	rs12406279	1	43310639	G	A	0.16501	-0.0001929	0.0113428	0.986428	-0.543519	0.0802325	1.25E-11	0.00035499	0.0208693	0.9864285	0.38875	3	0.99422252
ENSG00000227533	1	SLC2A1-AS1	43424720	rs841574	1	43436513	C	T	0.466203	-0.0085189	0.00812441	0.294383	0.689315	0.0936927	1.88E-13	-0.0123585	0.0119053	0.2992392	0.7315725	9	0.78165962
ENSG00000232022	1	RP5-1109J22.1	46897801	rs10890390	1	46837749	A	G	0.612326	-0.0018515	0.0082719	0.822889	-0.656405	0.0807386	4.29E-16	0.00282067	0.0126066	0.8229555	0.7085189	19	0.9610233
ENSG00000187048	1	CYP4A11	47394849	rs10890438	1	47467796	T	C	0.267396	0.0134031	0.00863073	0.120435	0.394923	0.0716647	3.57E-08	0.0339385	0.0227054	0.1349842	0.6988403	8	0.66089262
ENSG00000162365	1	CYP4A22	47603107	rs2211012	1	47339113	T	G	0.222664	0.0153392	0.00957167	0.109031	-0.571762	0.102006	2.08E-08	-0.0268279	0.0174114	0.1233597	0.7597538	7	0.65156573
ENSG00000272491	1	RP5-1024N4.4	48693560	rs2275309	1	48937691	T	A	0.428429	-0.0021491	0.00829875	0.79566	0.563497	0.0823337	7.70E-12	-0.0038139	0.0147378	0.7958029	0.4379718	20	0.95149298
ENSG00000227742	1	CALR4P	52027538	rs12142039	1	52048980	T	C	0.459245	-0.0018018	0.00862102	0.83445	-0.590474	0.0838332	1.88E-12	0.0030514	0.0146066	0.8345221	0.07125869	5	0.96310148
ENSG00000134744	1	ZCCHC11	52873954	rs11205975	1	53040968	G	A	0.0506958	-0.0071575	0.0173117	0.679279	0.671853	0.0841565	1.42E-15	-0.0106533	0.0258016	0.6796845	0.9377768	20	0.92906635
ENSG00000162377	1	SELRC1	53152508	rs835612	1	53151802	C	T	0.397614	0.00672405	0.00837749	0.422187	-0.307327	0.0428586	7.46E-13	-0.0218791	0.0274294	0.4250726	0.209723	6	0.86052417
ENSG00000162383	1	SLC1A7	53552855	rs11206111	1	53609496	T	C	0.367793	0.010745	0.00831645	0.19635	0.631778	0.0685035	2.90E-20	0.0170076	0.0132921	0.2007131	0.7442273	20	0.69745575
ENSG00000162600	1	OMA1	58881056	rs7355165	1	58985703	T	G	0.292247	-0.004439	0.0102353	0.664514	0.306452	0.0552986	2.99E-08	-0.014485	0.0335015	0.6654738	0.1564785	3	0.92695413
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.23953	0.0913175	5.72E-42	0.0131238	0.00697598	0.05993258	0.4210221	12	0.5662877
ENSG00000152760	1	TCTEX1D1	67218142	rs1812444	1	67238395	G	A	0.175944	0.0278435	0.0114758	0.0152546	-0.357022	0.0599337	2.57E-09	-0.0779882	0.0347071	0.02463737	0.7953342	9	0.44317726
ENSG00000197568	1	HHLA3	70820488	rs12042565	1	70849794	A	G	0.0874751	0.0208682	0.0142308	0.142537	0.569968	0.104241	4.56E-08	0.0366129	0.0258501	0.1566706	0.8391174	3	0.67203469
ENSG00000162620	1	LRRIQ3	74491699	rs522042	1	74666274	T	C	0.464215	0.00128779	0.00806395	0.87312	-0.883618	0.0860579	9.85E-25	-0.0014574	0.00912716	0.8731348	0.9324719	16	0.97372213
ENSG00000116783	1	TNNI3K	74663947	rs792323	1	74707594	T	C	0.142147	-0.0077154	0.0104864	0.461883	-0.749213	0.105259	1.10E-12	0.010298	0.0140711	0.4642575	0.6660949	5	0.86904091
ENSG00000272864	1	RP11-17E13.2	75164453	rs28879157	1	75208034	G	C	0.685885	-0.0032761	0.00855508	0.701761	-0.710247	0.0770212	2.93E-20	0.00461265	0.0120556	0.7020055	0.2443282	19	0.92906635
ENSG00000116791	1	CRYZ	75171170	rs17617240	1	75173938	T	C	0.0417495	0.0514158	0.0279986	0.066304	-1.23652	0.185603	2.70E-11	-0.041581	0.0234875	0.07666926	0.0084324	7	0.58667734
ENSG00000162623	1	TYW3	75198836	rs7555459	1	75273706	A	G	0.629225	-0.0089456	0.00843578	0.288945	-0.415181	0.0688935	1.68E-09	0.0215463	0.0206305	0.2963035	0.06828531	9	0.78165962
ENSG00000122417	1	ODF2L	86814344	rs11810689	1	86839302	C	T	0.318091	0.00332195	0.0085817	0.698684	-0.288693	0.04484	1.21E-10	-0.0115069	0.0297797	0.699201	0.2859308	10	0.92906635
ENSG00000137944	1	CCBL2	89401456	rs9787377	1	89383098	T	G	0.482107	-0.0095373	0.00810647	0.239393	-0.584114	0.0678184	7.12E-18	0.0163278	0.0140071	0.2437439	0.5271938	19	0.73779433
ENSG00000117226	1	GBP3	89472349	rs12121223	1	89481583	T	C	0.32008	0.0176619	0.00946381	0.0620055	-0.916475	0.0665993	4.37E-43	-0.0192716	0.0104208	0.06441054	0.69606	20	0.57851705
ENSG00000213512	1	GBP7	89597434	rs1409150	1	89473175	C	T	0.436382	0.0167421	0.00844191	0.0473435	-0.62346	0.0961378	8.87E-11	-0.0268535	0.0141594	0.05789236	0.8554999	15	0.56298992
ENSG00000231613	1	RP5-943J3.1	90254473	rs4658322	1	90251584	T	C	0.539761	0.00862243	0.0083024	0.299016	0.627659	0.0977672	1.36E-10	0.0137374	0.0133995	0.30526	0.426768	10	0.78165962
ENSG00000122484	1	RPAP2	92764522	rs112517106	1	92652691	T	C	0.0785288	0.0170643	0.0169065	0.312813	0.497241	0.0857311	6.63E-09	0.034318	0.0345116	0.3200335	0.5215493	10	0.79207218
ENSG00000223745	1	RP4-717I23.3	93727743	rs7529639	1	93837484	T	C	0.805169	-0.0013724	0.0109176	0.899964	0.866702	0.067524	1.04E-37	-0.0015835	0.0125973	0.8999693	0.03949502	17	0.97813375
ENSG00000230439	1	RP11-488P3.1	94218480	rs1980083	1	94207992	A	G	0.37674	0.0057744	0.00850483	0.497166	0.787688	0.106222	1.21E-13	0.00733082	0.0108424	0.4989598	0.3941933	12	0.87134983
ENSG00000122481	1	RWDD3	95699711	rs4949946	1	95716754	G	A	0.723658	0.008818	0.00943648	0.350068	-0.447454	0.0684062	6.11E-11	-0.0197071	0.0213034	0.3549313	0.1298788	19	0.82820583
ENSG00000240038	1	AMY2B	104096437	rs11184556	1	104125556	T	C	0.298211	0.0183674	0.00919841	0.0458469	-0.372481	0.0572653	7.80E-11	-0.049311	0.0258324	0.05627779	0.4116854	9	0.56298992
ENSG00000198890	1	PRMT6	107599267	rs1730858	1	107619244	C	T	0.671968	0.00881837	0.00897537	0.32585	0.305965	0.053027	7.93E-09	0.0288215	0.0297569	0.3327617	0.8084939	3	0.81273595
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-0.400513	0.0681237	4.12E-09	-0.0237283	0.0238978	0.320756	0.4865642	4	0.79207218
ENSG00000179902	1	C1orf194	109648573	rs112082443	1	109660295	G	A	0.0884692	0.0509557	0.0127384	6.33E-05	-0.581901	0.0710904	2.71E-16	-0.0875676	0.0243652	0.00032569	0.3245479	8	0.11400133
ENSG00000168765	1	GSTM4	110198703	rs546023	1	110182405	C	T	0.66998	0.00673147	0.00885728	0.447259	0.478107	0.0740596	1.08E-10	0.0140794	0.0186537	0.4503806	0.9679351	4	0.86721787
ENSG00000134201	1	GSTM5	110254864	rs1758104	1	110254678	T	G	0.818091	0.0108016	0.0114501	0.345496	-1.04639	0.121277	6.24E-18	-0.0103227	0.0110077	0.3483604	0.6072239	10	0.8233267
ENSG00000134202	1	GSTM3	110276554	rs4970777	1	110283785	T	C	0.55169	-0.0014575	0.00810529	0.857294	0.710789	0.0630868	1.91E-29	-0.0020505	0.0114047	0.8573122	0.2401215	20	0.96943077
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.666494	0.0763714	2.61E-18	0.00700654	0.0129884	0.5895778	0.296686	12	0.90196409
ENSG00000260948	1	RP11-552M11.8	111973668	rs12740822	1	112015292	C	T	0.599404	-0.0047025	0.00810259	0.561663	0.558091	0.0908342	8.04E-10	-0.0084261	0.014583	0.5633989	0.02953619	4	0.89304677
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	0.57113	0.0848945	1.73E-11	-0.0003088	0.0171314	0.9856174	0.5019516	6	0.99422252
ENSG00000007341	1	ST7L	113066140	rs10776755	1	113082974	C	G	0.524851	-0.0048416	0.00824842	0.55722	0.470903	0.0781765	1.71E-09	-0.0102816	0.0175991	0.5590802	0.2292639	5	0.89238615
ENSG00000226419	1	RP11-31F15.1	113499037	rs113968328	1	113512186	A	G	0.233598	-0.0042452	0.00893075	0.634544	-0.474055	0.0766405	6.19E-10	0.00895497	0.0188946	0.6355403	0.9356127	9	0.91756833
ENSG00000116874	1	WARS2	119573839	rs2247883	1	119577837	T	A	0.45328	-0.0091362	0.0080563	0.256779	-0.704966	0.0794123	6.85E-19	0.0129597	0.0115208	0.2606329	0.4290546	18	0.75402182
ENSG00000231365	1	RP11-418J17.1	119683019	rs12079257	1	119648309	T	C	0.276342	-0.0112104	0.00933816	0.229946	-0.933629	0.100498	1.54E-20	0.0120073	0.0100852	0.2338131	0.8280787	20	0.72999889
ENSG00000223345	1	HIST2H2BA	120906028	rs6600662	1	121230790	A	G	0.479125	-0.0001084	0.00814331	0.989378	0.643356	0.0971913	3.60E-11	-0.0001685	0.0126576	0.9893775	0.1490761	15	0.99531498
ENSG00000223804	1	RP6-206I17.1	143647638	rs80161676	1	144555190	G	A	0.230616	-0.0044652	0.00954139	0.639797	-0.642442	0.0843769	2.66E-14	0.00695037	0.0148798	0.6404271	0.6551396	16	0.91818653
ENSG00000237188	1	RP11-337C18.8	146644350	rs12093458	1	146717875	T	C	0.437376	0.00348099	0.00805435	0.665606	0.512548	0.0731964	2.52E-12	0.00679154	0.0157442	0.6662017	0.8089671	20	0.92695413
ENSG00000131778	1	CHD1L	146714291	rs10793668	1	146784220	T	C	0.0407555	0.00045686	0.0207606	0.982443	-0.824297	0.116221	1.32E-12	-0.0005542	0.0251859	0.9824432	0.9173242	13	0.99422252
ENSG00000162836	1	ACP6	147101453	rs12145385	1	147129786	G	A	0.717694	-0.0040829	0.00915864	0.65574	0.933722	0.0833549	4.00E-29	-0.0043728	0.00981651	0.655995	0.3677621	15	0.92370535
ENSG00000269621	1	RP11-98D18.15	151728017	rs2298294	1	151701345	G	A	0.21173	0.0167874	0.00928871	0.0707164	0.413066	0.0718264	8.88E-09	0.040641	0.0235715	0.08467977	0.4507107	5	0.59790071
ENSG00000159445	1	THEM4	151846060	rs11204915	1	151882826	T	C	0.604374	0.00064914	0.00840002	0.938402	0.394737	0.0548672	6.27E-13	0.00164448	0.0212813	0.938406	0.9264698	12	0.98649544
ENSG00000197747	1	S100A10	151955391	rs28415528	1	151879761	A	G	0.313121	-0.0009769	0.0090568	0.9141	-0.366707	0.0656624	2.34E-08	0.00266411	0.0247023	0.9141155	0.8444353	4	0.97813375
ENSG00000237975	1	FLG-AS1	152140601	rs7545406	1	152193286	T	G	0.585487	-0.0033149	0.00836087	0.691755	-0.810909	0.0905748	3.46E-19	0.00408786	0.0103206	0.6920406	0.317868	10	0.92906635
ENSG00000197915	1	HRNR	152184558	rs7545406	1	152193286	T	G	0.585487	-0.0033149	0.00836087	0.691755	0.689146	0.107557	1.48E-10	-0.0048101	0.0121554	0.6923126	0.7231743	5	0.92906635
ENSG00000143631	1	FLG	152274651	rs10788823	1	152161648	G	T	0.867793	0.00629085	0.0119555	0.598758	0.70437	0.112733	4.15E-10	0.00893117	0.0170334	0.6000471	0.1156026	7	0.90357711
ENSG00000189171	1	S100A13	153591263	rs9700928	1	153584986	C	A	0.460239	0.0153898	0.0081796	0.059906	0.315754	0.0412266	1.87E-14	0.0487398	0.0266752	0.06767558	0.7106191	13	0.57851705
ENSG00000272030	1	RP1-178F15.4	153603914	rs28510471	1	153609886	G	C	0.524851	0.0106166	0.00805305	0.187394	-0.508586	0.0757877	1.94E-11	-0.0208747	0.0161369	0.1958014	0.3203793	9	0.69414543
ENSG00000143552	1	NUP210L	153965161	rs41305088	1	154178724	A	C	0.0357853	0.0217932	0.0161283	0.176617	1.81371	0.181054	1.28E-23	0.0120158	0.00897297	0.1805341	0.3478029	14	0.67740229
ENSG00000163382	1	APOA1BP	156561554	rs12567958	1	156594656	A	C	0.710736	-0.0166433	0.00933652	0.07465	0.42575	0.0575409	1.37E-13	-0.0390917	0.022557	0.08309276	0.2740889	14	0.59312004
ENSG00000160818	1	GPATCH4	156564279	rs77411528	1	156487765	T	C	0.0516899	-0.028647	0.0192092	0.135878	-0.679461	0.107752	2.87E-10	0.0421614	0.0290511	0.1467013	0.8804931	8	0.66601785
ENSG00000179639	1	FCER1A	159259504	rs863003	1	159176508	G	A	0.259443	-0.0057321	0.00977806	0.557725	0.658296	0.116486	1.59E-08	-0.0087075	0.0149333	0.5598295	0.8319503	4	0.89238615
ENSG00000188004	1	C1orf204	159804264	rs11807946	1	159824205	T	C	0.241551	-0.0003187	0.00923912	0.972483	-0.441794	0.0782821	1.67E-08	0.00072137	0.0209131	0.9724836	0.8299472	4	0.99166197
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	1.09366	0.0807698	9.02E-42	0.0118743	0.00765938	0.1210691	0.3562852	9	0.64489068
ENSG00000122218	1	COPA	160259063	rs11265371	1	160266667	G	C	0.508946	0.00028902	0.00806677	0.971419	0.318637	0.0502992	2.38E-10	0.00090705	0.0253169	0.9714195	0.5600958	19	0.99153074
ENSG00000215845	1	TSTD1	161007421	rs12728349	1	161024782	T	C	0.630219	-0.001179	0.00824316	0.886266	-0.524034	0.0796239	4.66E-11	0.00224989	0.0157339	0.8862931	0.7286471	10	0.97813375
ENSG00000143194	1	MAEL	166958346	rs7551881	1	166955312	T	G	0.32505	-0.0066086	0.00853796	0.438916	-0.672353	0.0850454	2.66E-15	0.00982905	0.0127593	0.4410975	0.5072748	19	0.86618806
ENSG00000171806	1	METTL18	169761670	rs673280	1	169908317	A	G	0.888668	0.013901	0.0160076	0.385174	0.931423	0.120697	1.19E-14	0.0149245	0.0172946	0.3881631	0.4048727	7	0.8319892
ENSG00000271811	1	RP1-79C4.4	170636522	rs659580	1	170633896	C	T	0.78827	0.0157947	0.00922197	0.0867641	0.671763	0.108141	5.23E-10	0.0235123	0.0142402	0.09871474	0.8328093	6	0.63478762
ENSG00000116199	1	FAM20B	178994939	rs4652346	1	178997159	T	C	0.363817	-4.84E-05	0.00835336	0.995378	0.226346	0.0411289	3.73E-08	-0.0002138	0.0369053	0.9953782	0.03370457	16	0.99706162
ENSG00000143322	1	ABL2	179068462	rs4651013	1	179072966	T	C	0.61829	-0.0020193	0.00848555	0.811904	-0.49449	0.0704054	2.16E-12	0.00408362	0.0171701	0.8120099	0.4376719	19	0.95850779
ENSG00000162782	1	TDRD5	179560748	rs1999068	1	179560718	C	T	0.306163	-0.0034053	0.00960829	0.723033	0.899245	0.0768899	1.35E-31	-0.0037868	0.0106897	0.7231546	0.00085969	20	0.93027903
ENSG00000058085	1	LAMC2	183155373	rs2276543	1	183155305	A	G	0.293241	0.0117543	0.00840645	0.162039	0.745075	0.0943777	2.91E-15	0.015776	0.0114583	0.1685681	0.1534155	15	0.67238185
ENSG00000198756	1	COLGALT2	183898796	rs7539021	1	183935831	G	A	0.604374	0.00067192	0.00818955	0.934611	0.310358	0.0439105	1.57E-12	0.00216497	0.0263892	0.9346149	0.7350339	4	0.98576298
ENSG00000198860	1	TSEN15	184020811	rs10911505	1	184049978	C	T	0.336978	-0.0050474	0.00827352	0.541816	0.274192	0.0498872	3.88E-08	-0.0184083	0.0303595	0.5442854	0.5123234	8	0.88692164
ENSG00000157181	1	C1orf27	186344890	rs6425043	1	186675527	G	A	0.027833	-0.0122185	0.0209835	0.560371	-0.816008	0.142847	1.11E-08	0.0149735	0.0258481	0.5623941	0.1018963	4	0.89290163
ENSG00000244414	1	CFHR1	196788887	rs6695525	1	196845521	G	T	0.436382	0.00876601	0.00814229	0.281658	0.592234	0.093408	2.29E-10	0.0148016	0.0139452	0.2885039	0.3520086	16	0.77815301
ENSG00000118197	1	DDX59	200593024	rs12061556	1	200650239	C	G	0.425447	0.0215943	0.00805502	0.00734345	-0.426601	0.0733945	6.16E-09	-0.0506194	0.0207935	0.01491683	0.648904	4	0.37355797
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.92902	0.0764268	5.35E-34	0.0208299	0.00884963	0.01858458	0.1343537	20	0.39297047
ENSG00000133067	1	LGR6	202163029	rs10920362	1	202183308	T	C	0.479125	-0.0031263	0.00806611	0.698322	-0.457343	0.0673279	1.10E-11	0.00683579	0.0176656	0.6987894	0.1098421	6	0.92906635
ENSG00000182004	1	SNRPE	203830731	rs34438235	1	203846330	C	T	0.109344	0.016357	0.0106048	0.122974	0.600744	0.0853282	1.92E-12	0.0272279	0.0180714	0.1318925	0.9263957	13	0.6594625

ENSG00000117280	1	RAB7L1	205737114	rs708723	1	205739266	T	C	0.531809	0.0131844	0.008157	0.106022	0.256602	0.0428684	2.15E-09	0.0513807	0.0329271	0.1186557	0.4461116	14	0.64371605
ENSG00000162877	1	PM20D1	205797150	rs9438393	1	205782718	G	A	0.394632	0.0119225	0.00809409	0.140753	-0.689078	0.101682	1.23E-11	-0.0173021	0.0120205	0.1500431	0.2251202	11	0.66736667
ENSG00000117322	1	CR2	207627575	rs1583088	1	207430713	A	T	0.464215	0.0026706	0.00808202	0.74107	0.476424	0.0859251	2.95E-08	0.00560551	0.016994	0.7415118	0.7760543	4	0.93473078
ENSG00000117335	1	CD46	207925402	rs2724360	1	207943158	T	C	0.793241	-0.0067889	0.0096564	0.482024	0.37075	0.0604485	8.61E-10	-0.0183114	0.0262161	0.484879	0.6719186	7	0.87134983
ENSG00000236809	1	SNX25P1	211590367	rs11576833	1	211597077	T	C	0.205765	-0.0036497	0.0110767	0.741787	0.689359	0.121536	1.41E-08	-0.0052943	0.0160952	0.7422053	0.4204135	3	0.93473078
ENSG00000226251	1	RP11-15I11.3	212398620	rs35822123	1	212539165	A	G	0.162028	0.00114174	0.0110991	0.918068	0.666589	0.11558	8.05E-09	0.00171281	0.0166532	0.9180809	0.9689293	4	0.97854777
ENSG00000198468	1	FLVCR1-AS1	213025450	rs12043852	1	213059806	A	C	0.526839	0.00210317	0.00819708	0.797506	1.04835	0.0799686	2.90E-39	0.00200617	0.00782053	0.7975444	0.6184706	20	0.95149298
ENSG00000162769	1	FLVCR1	213031597	rs72743967	1	213053061	G	C	0.186879	0.00344413	0.0114613	0.763795	0.464504	0.0835311	2.68E-08	0.00741464	0.0247103	0.7641291	0.6926639	8	0.94317813
ENSG00000174606	1	ANGEL2	213165524	rs3002284	1	213181916	C	T	0.304175	-0.0054325	0.00857832	0.526547	0.27114	0.044343	9.68E-10	-0.0200359	0.0318072	0.5287484	0.8101079	14	0.87657392
ENSG00000067533	1	RRP15	218458629	rs10863387	1	218471383	C	T	0.404573	0.0152508	0.0080681	0.0587232	0.710537	0.0726418	1.35E-22	0.0214638	0.011565	0.06346477	0.1342084	11	0.57744769
ENSG00000272823	1	RP11-295M18.6	221002018	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.684389	0.0863902	2.34E-15	-0.0080814	0.0125114	0.5183279	0.5096607	9	0.87134983
ENSG00000238078	1	RP11-295M18.2	221002597	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.656173	0.0987689	3.06E-11	-0.0084289	0.0130677	0.5189135	0.3091884	10	0.87134983
ENSG00000143498	1	TAF1A	222731244	rs34851670	1	222739901	A	G	0.626243	0.00056901	0.00820158	0.944689	0.421779	0.0709242	2.73E-09	0.00134907	0.0194465	0.9446926	0.2605694	10	0.98706176
ENSG00000225265	1	RP11-378J18.3	222763167	rs17163191	1	222719586	C	T	0.252485	-0.0181868	0.00961366	0.0585221	-0.723578	0.101991	1.30E-12	0.0251345	0.0137505	0.06756488	0.5406874	5	0.57851705
ENSG00000272750	1	RP11-378J18.8	222832209	rs36079339	1	222841614	A	G	0.737575	0.00622464	0.00925388	0.501169	-0.875042	0.0804328	1.45E-27	-0.0071135	0.0105955	0.5019849	0.3030711	20	0.87134983
ENSG00000272645	1	RP11-504P24.8	224139096	rs9699672	1	224119289	A	G	0.413519	-0.0114515	0.00817586	0.161318	-0.378307	0.057284	4.00E-11	0.0302704	0.0220924	0.1706337	0.05885952	7	0.67238185
ENSG00000163041	1	H3F3A	226249552	rs6692329	1	226278185	A	G	0.718688	-0.0073238	0.00897563	0.414519	-0.508613	0.0636214	1.30E-15	0.0143996	0.017739	0.4169352	0.2230883	12	0.8550524
ENSG00000135773	1	CAPN9	230883130	rs2354846	1	230889572	G	A	0.26839	0.00100806	0.0106937	0.924898	-0.300441	0.054681	3.92E-08	-0.0033553	0.0355986	0.9249083	0.9754537	6	0.98082733
ENSG00000182118	1	FAM89A	231154704	rs4658875	1	231168994	T	C	0.664016	0.0024703	0.00885641	0.780301	-0.304064	0.0522659	5.97E-09	-0.0081243	0.0291603	0.7805458	0.07254679	4	0.9484432
ENSG00000135778	1	NTPCR	233086351	rs12725558	1	233091463	A	T	0.16004	0.00406713	0.0107642	0.705552	0.909452	0.0859263	3.53E-26	0.00447207	0.0118435	0.7057292	0.5358481	8	0.92906635
ENSG00000143674	1	MLK4	233463514	rs1582192	1	233525193	G	A	0.171968	-0.0050939	0.0117578	0.664844	0.640785	0.069986	5.39E-20	-0.0079495	0.0183696	0.6651952	0.3906095	5	0.92695413
ENSG00000231663	1	RP5-827C21.4	234508553	rs11549817	1	234508956	C	A	0.0934394	0.00186299	0.0174304	0.914883	0.847493	0.112597	5.20E-14	0.00219824	0.0205691	0.9148914	0.7684626	6	0.97813375
ENSG00000168275	1	COA6	234509202	rs4027040	1	234531009	G	A	0.525845	-0.0034254	0.00805718	0.670735	0.389371	0.0519266	6.46E-14	-0.0087973	0.020726	0.6712324	0.4493999	18	0.92695413
ENSG00000224939	1	LINC00184	234765057	rs6672410	1	234767912	T	G	0.276342	-0.0063021	0.00925294	0.495818	0.691149	0.099018	2.95E-12	-0.0091182	0.0134513	0.4978561	0.05611019	12	0.87134983
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.05359	0.0916957	1.48E-30	0.00617817	0.00787029	0.4324538	0.3331614	20	0.8649076
ENSG00000224525	1	RP11-561I11.3	242366857	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.1062	0.0925414	6.22E-33	0.00588434	0.00749465	0.4323721	0.685219	20	0.8649076
ENSG00000253326	1	RP11-261C10.7	243218163	rs806232	1	243262131	G	C	0.259443	-0.0082563	0.0100667	0.41213	0.712385	0.11783	1.49E-09	-0.0115896	0.0142604	0.4163839	0.01605765	4	0.8550524
ENSG00000272195	1	RP11-156E8.1	245132652	rs2291426	1	245134114	C	A	0.582505	0.0265544	0.0086617	0.0021714	0.987004	0.0822074	3.29E-33	0.026904	0.00905732	0.00297394	0.09619456	20	0.22516974
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.650516	0.0625174	2.34E-25	-0.0175344	0.0125721	0.1631042	0.00366405	20	0.67203469
ENSG00000260855	1	RP11-439E19.10	246935603	rs12085330	1	246939178	A	G	0.380716	0.010858	0.00868826	0.211396	0.436414	0.0705592	6.21E-10	0.02488	0.0203106	0.220584	0.7909261	20	0.72389796
ENSG00000227953	1	RP11-439E19.3	246939315	rs7779	1	246930564	C	G	0.0666004	-0.0247987	0.0165092	0.133067	-0.678732	0.115304	3.95E-09	0.0365368	0.025103	0.1455383	0.9929495	3	0.66601785
ENSG00000221953	1	C1orf229	247273462	rs10924921	1	247273848	T	C	0.301193	0.00333954	0.00895977	0.709352	-0.556781	0.0735728	3.80E-14	-0.0059979	0.0161116	0.7096882	0.7235332	20	0.92906635
ENSG00000196418	1	ZNF124	247285277	rs4925715	1	247288469	T	G	0.277336	0.00980286	0.00936003	0.294957	-0.912449	0.0976753	9.48E-21	-0.0107435	0.0103224	0.2979729	0.9151959	15	0.78165962
ENSG00000169224	1	GCSAML	247670360	rs2141544	1	247690800	T	C	0.83002	-0.0124029	0.0100764	0.218365	0.719161	0.124804	8.30E-09	-0.0172463	0.0143274	0.228694	0.2775259	4	0.72889676
ENSG00000226191	1	RP11-438H8.8	248099363	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.588472	0.0884355	2.85E-11	-0.0068696	0.0145059	0.6358056	0.2586077	12	0.91756833
ENSG00000196071	1	OR2L13	248100493	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.685109	0.0979713	2.69E-12	-0.0059006	0.0124568	0.6357247	0.2175907	12	0.91756833
ENSG00000233296	2	AC092159.2	677186	rs58078949	2	672976	G	A	0.0964215	0.00422703	0.0125328	0.735909	0.974428	0.168816	7.83E-09	0.00433796	0.0128836	0.7363407	0.8276425	9	0.93473078
ENSG00000272342	2	RP13-539J13.1	739588	rs60576697	2	742849	A	G	0.234592	-0.0051967	0.00974538	0.593864	1.114	0.108472	9.63E-25	-0.0046649	0.00875988	0.5943603	0.9756314	20	0.90196409
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs12619851	2	3492747	C	T	0.415507	-0.0072761	0.00824404	0.377456	-0.522472	0.0700147	8.50E-14	0.0139264	0.0158889	0.3807665	0.9926343	20	0.8319892
ENSG00000234171	2	AC108488.3	3606082	rs12629	2	3609064	A	G	0.295229	0.0086602	0.00838912	0.301926	-1.08181	0.0771249	1.07E-44	-0.0080053	0.00777568	0.3032312	0.5284323	12	0.78165962
ENSG00000118004	2	COLEC11	3642426	rs66718279	2	3653279	T	C	0.635189	-0.0078864	0.00896676	0.379122	-0.884118	0.102309	5.54E-18	0.00892008	0.0101944	0.3815767	0.6527559	14	0.8319892
ENSG00000151360	2	ALLC	3705785	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.27034	0.151404	4.85E-17	-0.0092948	0.0103635	0.3697883	0.4200114	4	0.82957799
ENSG00000271855	2	RP11-214N9.1	9696028	rs62120347	2	9628663	G	A	0.0318091	0.0398472	0.0397415	0.316025	1.31589	0.213103	6.62E-10	0.0302816	0.0305968	0.3223221	0.7782673	7	0.79363862
ENSG00000271952	2	RP11-245G13.2	11018395	rs34413173	2	10984402	A	G	0.421471	0.0124559	0.00846711	0.141265	0.824307	0.103642	1.81E-15	0.0151108	0.010446	0.1480214	0.8441103	6	0.66625344
ENSG00000134324	2	LPIN1	11817721	rs3795974	2	11924950	C	T	0.596421	0.0121625	0.00833667	0.144589	0.415879	0.0608083	7.96E-12	0.0292453	0.0204969	0.1536335	0.308671	5	0.6687947
ENSG00000183891	2	TTC32	20096404	rs60084614	2	20101229	A	C	0.109344	-0.0305741	0.0150852	0.0426874	0.928652	0.118899	5.70E-15	-0.0329231	0.0167822	0.04978734	0.9694068	6	0.5491704
ENSG00000118961	2	C2orf43	20883788	rs13385191	2	20888265	G	A	0.250497	0.00428946	0.00918223	0.640394	-0.753485	0.0838504	2.56E-19	-0.0056928	0.0122028	0.6408448	0.4358747	18	0.91818653
ENSG00000219626	2	FAM228B	24299396	rs73920010	2	24347093	C	A	0.156064	0.0295885	0.009911	0.00283191	-0.533606	0.0915473	5.58E-09	-0.0554501	0.0208682	0.0078802	0.3746592	4	0.2880349
ENSG00000138029	2	HADHB	26466038	rs13019083	2	26521538	A	G	0.921471	0.0202584	0.0171431	0.237314	-0.45711	0.076747	2.58E-09	-0.0443184	0.0382343	0.2464037	0.4684791	16	0.73886258
ENSG00000171103	2	TRMT61B	29072687	rs56178008	2	29098543	A	T	0.423459	-0.0131966	0.00815302	0.10553	0.377285	0.0544265	4.15E-12	-0.0349778	0.022191	0.114976	0.9621872	20	0.64371605
ENSG00000189350	2	FAM179A	29179477	rs78997274	2	29093715	A	C	0.15507	-0.0096317	0.013487	0.475137	0.41677	0.068754	1.35E-09	-0.0231102	0.0325846	0.4781766	0.9895412	10	0.87134983
ENSG00000218739	2	AC007390.5	37423631	rs2251879	2	37485215	T	A	0.564612	-0.0038262	0.00811246	0.63718	-0.410434	0.0637967	1.25E-10	0.00932235	0.0198186	0.6380809	0.8092897	20	0.91818653
ENSG00000115825	2	PRKD3	37477645	rs2192939	2	37484726	A	G	0.600398	-0.0035485	0.00817678	0.664312	-0.203065	0.0342623	3.09E-09	0.0174746	0.0403746	0.6651525	0.4970097	20	0.92695413
ENSG00000162878	2	PKDCC	42275160	rs1550429	2	42226844	G	C	0.657058	-0.0027108	0.0087381	0.756389	0.380535	0.0680743	2.27E-08	-0.0071237	0.022998	0.7567503	0.3651278	3	0.94013468
ENSG00000162881	2	OXER1	42989642	rs12988049	2	43007974	G	A	0.762425	0.00373447	0.00917427	0.683965	0.660469	0.0886644	9.40E-14	0.00565427	0.0139113	0.68441	0.8212656	20	0.92906635
ENSG00000162882	2	HAAO	42994229	rs2374444	2	43018644	G	A	0.758449	0.00639986	0.00905463	0.479687	0.716845	0.079952	3.08E-19	0.00892782	0.0126704	0.4810472	0.1897068	20	0.87134983
ENSG00000152527	2	PLEKHH2	43864412	rs975975	2	43940532	T	G	0.208748	0.00206287	0.00950366	0.828161	-0.579614	0.0843516	6.36E-12	-0.003559	0.0164047	0.8282455	0.7433785	6	0.96159938
ENSG00000138036	2	DYNC2LI1	44001178	rs12474147	2	43960956	G	A	0.0198807	0.0420264	0.0308384	0.172948	-0.88197	0.160519	3.92E-08	-0.0476506	0.0360248	0.1859299	0.4414364	9	0.68432533
ENSG00000138095	2	LRPPRC	44113647	rs10205130	2	44151572	C	G	0.403579	-0.0053557	0.00817676	0.512472	0.286915	0.0353382	4.70E-16	-0.0186666	0.0285915	0.5138389	0.9285042	20	0.87134983
ENSG00000119878	2	CRIPT	46843555	rs35909669	2	46867794	G	T	0.315109	0.00279924	0.00907024	0.757612	0.46489	0.0579737	1.07E-15	0.0060213	0.019525	0.7577858	0.9560145	20	0.94057722
ENSG00000180398	2	MCFD2	47129009	rs6716381	2	47148163	A	G	0.181909	-0.0184544	0.011842	0.119143	-0.285622	0.0420571	1.11E-11	0.0646113	0.0425379	0.1287854	0.7797171	10	0.6594625
ENSG00000119888	2	EPCAM	47572297	rs56368712	2	47599802	A	T	0.0765408	-0.0016539	0.0134386	0.902053	0.88751	0.112127	2.47E-15	-0.0018635	0.0151437	0.9020651	0.9713516	9	0.97813375
ENSG00000170802	2	FOXN2	48541776	rs79073127	2	48573895	C	G	0.12326	-0.0080756	0.0148553	0.586703	0.407677	0.0454423	2.93E-19	-0.0198089	0.0365057	0.5873886	0.2499818	20	0.90196409
ENSG00000162869	2	PPP1R21	48667737	rs72820499	2	48663080	C	T	0.308151	0.00129821	0.00816111	0.873612	0.46201	0.0792895	5.65E-09	0.00280992	0.0176709	0.8736583	0.01269341	10	0.97379369
ENSG00000243244	2	STON1	48756522	rs10865231	2	48821941	G	A	0.27336	-0.001177	0.00842964	0.88896	0.348852	0.0605133	8.17E-09	-0.0033738	0.024171	0.8889922	0.1139326	8	0.97813375
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.772399	0.0820423	4.75E-21	-0.0035687	0.0108208	0.7415509	0.07933039	13	0.93473078
ENSG00000233266	2	HMGB1P31	54278471	rs1862122	2	54280129	C	A	0.39165	-0.0042182	0.00806894	0.601131	0.546756	0.0976233	2.14E-08	-0.007715	0.014822	0.6027065	0.04470079	20	0.90357711
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.67416	0.0544196	3.03E-35	-0.0063375	0.0120145	0.5978566	0.02884024	20	0.90357711
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.665562	0.0589349	1.42E-29	0.0125837	0.0125106	0.3144902	0.1998065	20	0.78808419
ENSG00000270820	2	RP11-355B11.2	61698323	rs80119091	2	61091972	C	G	0.0109344	0.111436	0.0512205	0.0295835	1.44415	0.263703	4.34E-08	0.0771637	0.0381639	0.04318615	0.945718	3	0.54092126
ENSG00000179818	2	PCBP1-AS1	70189395	rs113012284	2	70325673	C	T	0.0775348	0.0158926	0.0176923	0.369035	-0.545133	0.087833	5.42E-10	-0.0291536	0.0327932	0.3739952	0.6526852	6	0.8319892
ENSG00000163235	2	TGFA	70674412	rs3755381	2	70718695	C	T	0.527833	0.00954033	0.00815924	0.242296	0.285635	0.0492036	6.43E-09	0.0334004	0.0291389	0.251693	0.2019604	7	0.7403233
ENSG00000163016	2	ALMS1P	73872046	rs6546857	2	73837955	G	A	0.223658	0.00284206	0.00969344	0.769373	0.603103	0.0970605	5.18E-10	0.0047124	0.0160905	0.7696228	0.6272144	13	0.94537801
ENSG00000257800	2	FNBP1P1	74347807	rs828881	2	74356597	T	A	0.435388	-0.0003513	0.00827109	0.966122	0.594203	0.0727576	3.16E-16	-0.0005912	0.0139198	0.9661222	0.8313327	8	0.98945849
ENSG00000217702	2	MGC10955	74361599	rs12619982	2	74356022	A	G	0.181909	-0.0040329	0.0108064	0.709005	1.18988	0.114425	2.51E-25	-0.0033893	0.00908777	0.7091837	0.8912083	14	0.92906635
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.16188	0.0757692	4.50E-53	-0.0073026	0.00775459	0.3463393	0.3982903	20	0.8233267
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.07714	0.0827085	9.02E-39	-0.0078771	0.00837075	0.3466905	0.4136007	20	0.8233267
ENSG00000115364	2	MRPL19	75873909	rs34081022	2	75902380	T	C	0.242545	-0.002606	0.00871732	0.764983	-0.662637	0.0606087	8.01E-28	0.00393274	0.0131604	0.7650689	0.1422707	16	0.94354047
ENSG00000270696	2	RP11-342K6.1	75887588	rs33915308	2	75928122	C	G	0.222664	-0.0011892	0.00913093	0.896379	0.375016	0.068688	4.77E-08	-0.003171	0.024355	0.8964078	0.955196	5	0.97813375
ENSG00000042493	2	CAPG	85621871	rs4474882	2	85574015	A	G	0.621272	-0.0134451	0.00823748	0.102639	-0.31808	0.056765	2.10E-08	0.0422696	0.0269738	0.1171006	0.4252674	8	0.64371605
ENSG00000115486	2	GGCX	85771846	rs6747828	2	85758015	G	A	0.447316	-0.0010136	0.00814831	0.901006	0.441925	0.0652353	1.25E-11	-0.0022936	0.0184413	0.901022	0.7930028	13	0.97813375
ENSG00000115523	2	GNLY	85912298	rs10187314	2	85928550	T	C	0.407555	0.00444994	0.00827112	0.590571	-0.760998	0.0832094	5.93E-20	-0.0058475	0.0108876	0.5912118	0.1553116	16	0.90196409
ENSG00000068654	2	POLR1A	86247339	rs4832251	2	86366572	C	T	0.823062	0.00855361	0.0105333	0.416761	0.563022	0.0730281	1.26E-14	0.0151923	0.018812	0.4193285	0.7081331	14	0.8550524
ENSG00000273080	2	RP11-301O19.1	86422713	rs13010906	2	86414870	T	C	0.479125	0.0131744	0.00805372	0.101878	0.977021	0.0945773	5.13E-25	0.0134843	0.00834585	0.1061625	0.1367876	20	0.63886666
ENSG00000132313	2	MRPL35	86426478	rs13403186	2	86405016	G	A	0.508946	0.0118351	0.00812272	0.145107	-0.286273	0.0518731	3.41E-08	-0.041342	0.0293463	0.1589048	0.0174816	6	0.67203469
ENSG00000231259	2	AC125232.1	87257800	rs56092616	2	87302124	T	C	0.516899	0.00172296	0.00824735	0.834518	-0.935596	0.0873213	8.71E-27	-0.0018416	0.00881675	0.8345489	0.03060864	20	0.96310148
ENSG00000266931	2	RP11-1252D15.1	87282781	rs62144419	2	87308617	C	T	0.368787	-0.003831	0.00815482	0.638515	-0.575074	0.0981846	4.71E-09	0.00666166	0.014226	0.639589	0.1077651	4	0.91818653
ENSG00000163586	2	FABP1	88422510	rs2919872	2	88428571	T	C	0.466203	0.00980469	0.00834213	0.239866	-0.9552	0.0971606	8.27E-23	-0.0102645	0.00879557	0.2432055	0.6385181	10	0.73761897
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.15594	0.0945298	2.19E-34	0.00333868	0.00751014	0.6566407	0.8192694	20	0.92370535
ENSG00000223564	2	CYP4F32P	95425004	rs10185133	2	95542788	C	G	0.342942	-0.0232605	0.00878864	0.00812924	0.608506	0.0834327	3.02E-13	-0.0382256	0.0153645	0.01284966	0.6552003	14	0.34575992
ENSG00000144026	2	ZNF514	95813075	rs3112998	2	95822447	G	A	0.585487	0.0162433	0.00842676	0.0539064	0.522996	0.0885345	3.48E-09	0.0310582	0.0169486	0.06687791	0.3330994	13	0.57851705
ENSG00000144021	2	CIAO1	96931870	rs62153034	2	96941467	A	G	0.321074	0.016954	0.00965822	0.0791918	-0.29955	0.044379	1.48E-11	-0.0565982	0.0333149	0.08934098	0.8377368	11	0.61192083
ENSG00000230606	2	AC159540.1	98081083	rs4086889	2	98184234	A	C	0.640159	-0.0023112	0.00918382	0.801306	-0.430846	0.069926	7.21E-10	0.00536426	0.0213336	0.8014685	0.4098746	17	0.95157909
ENSG00000115085	2	ZAP70	98330023	rs1823324	2	98257657	G	A	0.737575	0.00259313	0.0095536	0.786061	-0.394754	0.0707444	2.41E-08	-0.006569	0.02423	0.7863072	0.3248284	4	0.94984118
ENSG00000135951	2	TSGA10	99613724	rs11674894	2	99818972	T	C	0.607356	0.00189619	0.00813105	0.815603	0.488394	0.0648878	5.20E-14	0.0038825	0.0166565	0.8156902	0.9790679	20	0.95850779
ENSG00000144182	2	LIPT1	99771418	rs13030961	2	99799520	G	C	0.632207	0.00060059	0.00815143	0.941266	0.508295	0.0727579	2.83E-12	0.00118158	0.0160377	0.9412689	0.5533232	10	0.98649544
ENSG00000163162	2	RNF149	101887681	rs13017536	2	101892138	T	C	0.437376	0.00366428	0.00806873	0.649733	0.363357	0.0660412	3.76E-08	0.0100845	0.0222816	0.6508409	0.585603	3	0.92370535
ENSG00000212283	2	SNORD89	101889398	rs750783	2	101889306	G	A	0.436382	0.00338134	0.00806705	0.675103	0.852318	0.107136	1.78E-15	0.00396723	0.00947796	0.6755276	0.610093	8	0.92906635
ENSG00000115602	2	IL1RL1	102927962	rs953934	2	102932293	T	C	0.497018	0.0123261	0.00803009	0.124787	-0.510802	0.0610241	5.74E-17	-0.0241309	0.0159827	0.1310913	0.4315881	10	0.6594625
ENSG00000115604	2	IL18R1	102927989	rs10189711	2	102930881	G	A	0.494036	0.0127784	0.00803004	0.111535	-0.503305	0.056442	4.78E-19	-0.025389	0.0162067	0.117214	0.6702857	20	0.64371605
ENSG00000135972	2	MRPS9	105654441	rs72832244	2	105628343	A	T	0.217694	0.00591736	0.0107405	0.581677	-0.446774	0.0708174	2.81E-10	-0.0132446	0.0241316	0.5831083	0.00509433	9	0.90118119
ENSG00000119147	2	C2orf40	106679702	rs66989638	2	106689736	A	G	0.125249	0.0128267	0.010364	0.215856	-0.902825	0.102657	1.44E-18	-0.0142073	0.0115926	0.22037	0.04432444	16	0.72389796
ENSG00000115665	2	SLC5A7	108602979	rs6746551	2	108589120	C	G	0.798211	0.00748781	0.00936306	0.423874	-0.674414	0.122764	3.94E-08	-0.0111027	0.0140296	0.428724	0.8309763	7	0.86426622
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.3369	0.131922	3.90E-24	0.00107585	0.00738434	0.884163	0.1205829	11	0.97813375
ENSG00000175772	2	AC112229.7	111132715	rs66741152	2	111418368	G	A	0.0218688	0.00648637	0.0257784	0.801335	-0.887224	0.140216	2.49E-10	-0.0073109	0.0290781	0.8014881	0.8836207	5	0.95157909
ENSG00000169629	2	RGPD8	113127669	rs145713961	2	113117451	G	T	0.168986	0.00510244	0.0109226	0.640395	-0.92411	0.0968137	1.36E-21	-0.0055215	0.0118337	0.6407956	0.557195	20	0.91818653
ENSG00000125630	2	POLR1B	113299492	rs2241804	2	113300283	G	C	0.0755467	-0.0021081	0.0150939	0.888926	0.901981	0.102553	1.43E-18	-0.0023372	0.0167363	0.8889396	0.7378793	12	0.97813375
ENSG00000243389	2	AC012442.5	113346617	rs28819453	2	113366965	A	T	0.139165	0.0112819	0.0122846	0.358422	0.752109	0.129303	6.01E-09	0.0150004	0.0165359	0.3643327	0.2845015	9	0.82820583
ENSG00000237753	2	AC079922.3	113399409	rs11123144	2	113403662	C	T	0.831014	-0.0142907	0.0119218	0.230641	-0.934296	0.0967645	4.67E-22	0.0152957	0.0128582	0.2342151	0.9043864	20	0.72999889
ENSG00000125637	2	PSD4	113914902	rs2241976	2	113943470	G	A	0.452286	-0.0135383	0.00815674	0.0969617	0.515587	0.0701468	1.98E-13	-0.026258	0.0162186	0.1054466	0.8518889	9	0.63886666
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.985161	0.102728	8.81E-22	0.00894022	0.00835055	0.2843426	0.3875166	20	0.77382068
ENSG00000125618	2	PAX8	113973574	rs10206269	2	113990393	A	C	0.392644	-0.0096972	0.00814436	0.233785	-0.881549	0.101415	3.55E-18	0.0110002	0.00932496	0.2381397	0.3455628	20	0.73236936
ENSG00000184492	2	FOXD4L1	114256661	rs7562975	2	114187759	A	G	0.16004	-0.008961	0.00976944	0.359013	-0.680608	0.0979704	3.73E-12	0.0131662	0.0144786	0.3631623	0.4466861	11	0.82820583
ENSG00000225398	2	RP11-395L14.5	114299514	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.666061	0.0861183	1.04E-14	0.0181605	0.0136399	0.183048	0.2792193	20	0.68184592
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.774709	0.0626852	4.37E-35	-0.0160214	0.0116225	0.168055	0.2235466	20	0.67238185
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.883266	0.0836687	4.73E-26	0.0136946	0.0102148	0.1800299	0.2486641	20	0.67740229
ENSG00000240356	2	RPL23AP7	114368079	rs200434605	2	114382440	C	G	0.359841	0.0115956	0.00899197	0.197206	0.755219	0.07981	3.00E-21	0.015354	0.0120165	0.201341	0.1434507	20	0.69745575
ENSG00000115084	2	SLC35F5	114462588	rs17632866	2	114512224	A	T	0.138171	0.0223785	0.0114502	0.0506512	-0.406631	0.0612761	3.22E-11	-0.0550339	0.0293545	0.06082011	0.335111	8	0.5662877
ENSG00000260634	2	RP11-521O16.1	127781828	rs72843888	2	127783846	G	T	0.317097	-0.0084213	0.00852553	0.323262	0.588303	0.0842887	2.96E-12	-0.0143146	0.0146361	0.328059	0.3557617	10	0.80495958
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.30319	0.0923567	3.28E-45	-0.0084956	0.0069999	0.2248711	0.9422935	20	0.72732657
ENSG00000214100	2	AC079776.2	130680435	rs10928943	2	130688292	A	G	0.715706	-0.0048876	0.0085551	0.567793	0.453113	0.0765949	3.30E-09	-0.0107866	0.0189686	0.5695875	0.1138534	8	0.89464047
ENSG00000225449	2	AC079776.7	130724165	rs10928946	2	130733087	A	G	0.691849	-0.0152997	0.00826767	0.0642347	0.78037	0.0780359	1.52E-23	-0.0196057	0.0107744	0.06881208	0.5059587	20	0.58120163
ENSG00000222014	2	RAB6C	130737235	rs10928946	2	130733087	A	G	0.691849	-0.0152997	0.00826767	0.0642347	0.668344	0.0852574	4.54E-15	-0.022892	0.0127104	0.07169614	0.4826107	12	0.58667734
ENSG00000236595	2	MED15P5	131009141	rs6431145	2	131008357	C	T	0.449304	-0.0172345	0.00809753	0.0333066	0.564511	0.0928584	1.21E-09	-0.03053	0.015198	0.04455717	0.4146608	7	0.54092126
ENSG00000152093	2	CFC1B	131278770	rs147881141	2	131214153	C	A	0.127237	0.00031944	0.0182695	0.98605	1.11765	0.152777	2.56E-13	0.00028581	0.0163464	0.9860499	0.4037029	12	0.99422252
ENSG00000273073	2	RP11-109E12.1	132219394	rs10188478	2	132225386	A	T	0.0407555	0.00826488	0.0430925	0.847904	1.26453	0.214809	3.94E-09	0.00653593	0.034096	0.8479833	0.9562208	13	0.96801944
ENSG00000173272	2	MZT2A	132222473	rs10168805	2	132249175	A	G	0.0924453	0.0259033	0.0171762	0.131532	-0.742673	0.090457	2.21E-16	-0.0348785	0.0235145	0.1380007	0.7855497	15	0.66149748
ENSG00000152117	2	AC093838.4	132250386	rs12990156	2	132250941	C	T	0.219682	-0.0102496	0.00915287	0.262791	-0.899314	0.0719417	7.41E-36	0.0113971	0.0102184	0.2646974	0.9976856	20	0.7572989
ENSG00000236485	2	RP1-156L9.1	132741510	rs12995303	2	132789600	T	G	0.713718	0.0149562	0.00852754	0.0794511	0.678857	0.0892008	2.73E-14	0.0220314	0.0128909	0.08743741	0.7660055	8	0.60776167
ENSG00000227745	2	AC098826.5	132890429	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.01949	0.163775	4.82E-10	0.00834928	0.0202246	0.6797328	0.7805505	18	0.92906635
ENSG00000163046	2	ANKRD30BL	132905164	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.35733	0.160962	3.38E-17	0.00627114	0.0151755	0.6794297	0.8012747	20	0.92906635
ENSG00000231758	2	AC092652.1	144398325	rs9287356	2	144663667	T	C	0.526839	-0.0008502	0.0081347	0.91676	-0.674735	0.0991228	9.96E-12	0.00126006	0.0120576	0.9167697	0.2082684	3	0.97813375
ENSG00000123610	2	TNFAIP6	152214106	rs35845966	2	152205728	A	G	0.348907	-0.0043366	0.00900926	0.630266	0.487997	0.0847501	8.51E-09	-0.0088866	0.0185261	0.6314554	0.8397703	6	0.91628025
ENSG00000080345	2	RIF1	152266397	rs4664045	2	152267072	G	T	0.393638	0.0116235	0.00822374	0.157537	-0.261251	0.0469814	2.69E-08	-0.0444917	0.0324792	0.1707336	0.7335452	12	0.67238185
ENSG00000196151	2	WDSUB1	160092304	rs714156	2	160141068	C	T	0.342942	0.0129889	0.00821119	0.113683	-0.680588	0.0817581	8.47E-17	-0.0190848	0.0122807	0.1201739	0.6726261	15	0.64371605
ENSG00000054219	2	LY75	160628362	rs4664304	2	160794008	G	A	0.540755	0.00960217	0.00837383	0.25151	0.304318	0.0520217	4.92E-09	0.0315531	0.0280404	0.2604734	0.03850415	15	0.75402182
ENSG00000115221	2	ITGB6	160956177	rs3772070	2	161133471	C	T	0.738569	0.0244303	0.0100047	0.0146113	-0.95516	0.104794	7.90E-20	-0.0255772	0.0108438	0.01833903	0.2638693	20	0.39297047
ENSG00000144362	2	PHOSPHO2	170550975	rs2683454	2	170414643	T	C	0.616302	0.0280382	0.00821446	0.00064187	0.480483	0.0840359	1.08E-08	0.0583542	0.0199109	0.00338135	0.9732323	12	0.24699566
ENSG00000071967	2	CYBRD1	172378757	rs960749	2	172379781	A	G	0.521869	-0.0078257	0.00812708	0.335591	0.3409	0.0531671	1.44E-10	-0.0229559	0.0241074	0.3409773	0.3308556	11	0.82237984
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs10195939	2	173613803	G	T	0.23161	0.0229878	0.00926934	0.0131386	0.605536	0.0851866	1.17E-12	0.0379627	0.0162125	0.01920301	0.1215459	9	0.39297047
ENSG00000115252	2	PDE1A	183004763	rs6747954	2	183415490	A	T	0.779324	0.0150522	0.0115712	0.193317	-0.492222	0.0780871	2.91E-10	-0.0305801	0.0240034	0.2026676	0.9911675	14	0.69976435
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.14019	0.0900292	9.28E-37	0.0101285	0.00723759	0.1616844	0.2999628	20	0.67203469
ENSG00000259915	2	RP11-410E4.1	187219299	rs6434177	2	187284421	G	A	0.700795	-0.0087643	0.00826221	0.288793	-0.492448	0.0833886	3.52E-09	0.0177975	0.0170464	0.2964556	0.4091398	18	0.78165962
ENSG00000115368	2	WDR75	190306159	rs13428976	2	190329627	G	A	0.0377734	0.00299465	0.020245	0.882405	-0.961296	0.165617	6.46E-09	-0.0031152	0.0210669	0.8824434	0.8076396	6	0.97813375
ENSG00000138381	2	ASNSD1	190526111	rs2289226	2	190526205	T	C	0.730616	0.0201697	0.00879423	0.0218183	0.576672	0.0587389	9.46E-23	0.034976	0.0156606	0.02552384	0.02873211	18	0.44317726
ENSG00000253559	2	OSGEPL1-AS1	190627430	rs62183657	2	190534174	A	G	0.17992	-0.0401367	0.0108032	0.00020301	-0.735332	0.133542	3.66E-08	0.0545831	0.017723	0.00207148	0.0448853	10	0.19228317
ENSG00000273240	2	RP11-455J20.3	190628585	rs6942	2	190636411	G	C	0.728628	0.0193066	0.00877341	0.0277658	0.676755	0.0859457	3.43E-15	0.0285282	0.0134607	0.0340589	0.04162663	20	0.47347013
ENSG00000128699	2	ORMDL1	190635049	rs2033870	2	190603830	A	G	0.728628	0.0193154	0.00877347	0.0276956	-0.729557	0.0733194	2.51E-23	-0.0264755	0.0123166	0.03158822	0.02652439	20	0.47347013
ENSG00000198130	2	HIBCH	191054461	rs2136569	2	191167414	C	T	0.597416	-0.0098979	0.00827122	0.231439	0.479993	0.0587543	3.10E-16	-0.0206208	0.0174158	0.2364026	0.4691372	14	0.72999889
ENSG00000151689	2	INPP1	191208196	rs2067402	2	191224752	G	T	0.232604	-0.0060702	0.0113692	0.593399	0.647273	0.0705749	4.67E-20	-0.0093781	0.0175945	0.5940247	0.00047972	20	0.90196409
ENSG00000151690	2	MFSD6	191273081	rs16832765	2	191468762	C	T	0.146123	0.0117699	0.0140863	0.403403	0.340912	0.0541994	3.18E-10	0.0345247	0.0416824	0.4075117	0.02312167	18	0.84932136
ENSG00000226124	2	FTCDNL1	200625267	rs13008446	2	200628500	A	G	0.66004	0.00646253	0.00948012	0.495433	-0.593607	0.0780817	2.91E-14	-0.0108869	0.0160344	0.4971577	0.04040476	17	0.87134983

ENSG00000240344	2	PPIL3	201735630	rs2136600	2	201742345	T	C	0.254473	0.0098447	0.0094761	0.298852	-1.10747	0.096275	1.27E-30	-0.0088894	0.00859135	0.3008153	0.301458	20	0.78165962
ENSG00000155749	2	ALS2CR12	202152994	rs10804111	2	202145612	T	C	0.612326	-0.0002199	0.00827066	0.978789	-0.366277	0.0567117	1.06E-10	0.00060034	0.0225805	0.9787893	0.2669487	7	0.99330845
ENSG00000023228	2	NDUFS1	206979541	rs6718656	2	206965837	G	T	0.502982	-0.0046948	0.00806831	0.560649	-0.222256	0.0391775	1.40E-08	0.0211233	0.0364923	0.5626965	0.2908489	8	0.89290163
ENSG00000138400	2	MDH1B	207602487	rs57080389	2	207674345	T	A	0.276342	0.00488894	0.00846036	0.563356	0.289861	0.0482708	1.91E-09	0.0168665	0.0293225	0.5651513	0.9367504	10	0.89304677
ENSG00000229150	2	CRYGEP	208972957	rs55770589	2	208985427	C	T	0.356859	0.0146013	0.00847633	0.0849611	1.02673	0.091421	2.88E-29	0.0142212	0.0083522	0.08862708	0.7854112	20	0.61192083
ENSG00000168582	2	CRYGA	209025464	rs10191088	2	209030050	A	T	0.691849	0.00338257	0.00824875	0.681754	0.532989	0.095915	2.75E-08	0.00634642	0.0155185	0.68257	0.7688508	3	0.92906635
ENSG00000231908	2	IDH1-AS1	209119971	rs62195266	2	209173660	C	G	0.2167	0.00619566	0.0107976	0.566104	0.527285	0.0958702	3.80E-08	0.0117501	0.0205889	0.5682015	0.2762868	7	0.89427408
ENSG00000138363	2	ATIC	216176540	rs7594345	2	216179251	T	C	0.482107	-0.0029876	0.00810996	0.712586	0.486986	0.0622661	5.24E-15	-0.0061349	0.0166718	0.7128901	0.4601426	9	0.92906635
ENSG00000079246	2	XRCC5	216972187	rs72956701	2	217109599	A	G	0.0407555	0.00047511	0.0200359	0.981082	-0.809792	0.108683	9.26E-14	-0.0005867	0.0247422	0.9810819	0.996273	9	0.99421302
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	0.936928	0.115122	4.00E-16	-0.0077797	0.0215297	0.7178385	0.914888	8	0.92906635
ENSG00000229352	2	AC007563.3	217664331	rs11892032	2	217668981	A	G	0.572565	-0.0194048	0.00823459	0.0184485	-0.545385	0.0965543	1.62E-08	0.03558	0.0163599	0.02964332	0.3632658	4	0.46898387
ENSG00000261338	2	RP11-378A13.1	219120042	rs10932766	2	219122090	A	G	0.587475	-0.0027277	0.00858539	0.750706	0.824174	0.0667559	5.11E-35	-0.0033096	0.0104204	0.7507859	0.2387221	20	0.9359699
ENSG00000182698	2	RESP18	220192131	rs4674377	2	220201272	G	T	0.285288	0.0205982	0.0100189	0.0397878	-0.733483	0.0758073	3.83E-22	-0.0280827	0.0139643	0.04432164	0.445602	19	0.54092126
ENSG00000123992	2	DNPEP	220238268	rs16825302	2	220253623	A	G	0.0129225	-0.0282716	0.0455574	0.534881	1.10085	0.167332	4.74E-11	-0.0256816	0.0415675	0.5366885	0.428854	3	0.88150043
ENSG00000268603	2	RP11-316O14.1	220362333	rs1078212	2	220357594	A	C	0.333996	-0.0031061	0.00862925	0.718884	0.606219	0.0940586	1.16E-10	-0.0051237	0.0142567	0.7193033	0.7772926	5	0.92906635
ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.755671	0.0790691	1.21E-21	0.00935046	0.0117352	0.4255727	0.7604458	11	0.86052417
ENSG00000168958	2	MFF	228189867	rs73090123	2	228226541	C	T	0.147117	-0.0085458	0.0114718	0.456312	-0.358189	0.0628099	1.18E-08	0.0238582	0.0322993	0.460113	0.2812716	7	0.86904091
ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-0.99182	0.139999	1.40E-12	-0.0008751	0.0172272	0.9594848	0.9020724	3	0.98791053
ENSG00000173699	2	SPATA3	231860836	rs7422788	2	231881190	C	G	0.322068	0.0109997	0.00833738	0.187062	-0.693896	0.0802404	5.25E-18	-0.0158521	0.0121543	0.1921544	0.8940802	10	0.6860249
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-0.952905	0.119405	1.46E-15	-0.0134467	0.00968398	0.1649704	0.04685023	9	0.67206767
ENSG00000182600	2	C2orf82	233721980	rs812383	2	233737132	A	C	0.626243	-0.014024	0.00882846	0.112174	0.610834	0.0716235	1.48E-17	-0.0229588	0.0147017	0.1183726	0.1826733	16	0.64371605
ENSG00000085982	2	USP40	234384166	rs2602389	2	234423121	G	A	0.243539	0.0192045	0.00926766	0.0382464	0.381739	0.0516888	1.52E-13	0.0503079	0.025215	0.04602577	0.1934012	18	0.54092126
ENSG00000144488	2	ESPNL	239008798	rs12471185	2	239035937	A	G	0.405567	0.0071965	0.00830035	0.385936	0.749134	0.0978135	1.88E-14	0.00960643	0.0111507	0.3889578	0.3119093	9	0.8319892
ENSG00000144485	2	HES6	239146908	rs112946632	2	239148813	C	A	0.335984	-0.0100501	0.00865465	0.245547	0.347268	0.0541321	1.41E-10	-0.0289405	0.0253271	0.2531766	0.9280884	8	0.7403233
ENSG00000130414	2	NDUFA10	240831867	rs4149556	2	240915307	T	C	0.352883	0.00524416	0.0081141	0.518084	0.309641	0.0442879	2.72E-12	0.0169363	0.0263166	0.5198619	0.8088494	10	0.87134983
ENSG00000144504	2	ANKMY1	241418839	rs13406305	2	241479946	A	G	0.166004	0.00360927	0.00967875	0.709218	-0.409808	0.0721255	1.33E-08	-0.0088072	0.0236686	0.7098139	0.207279	3	0.92906635
ENSG00000122085	2	MTERFD2	242011584	rs733997	2	242052632	T	C	0.167992	0.00203708	0.0106323	0.848061	-0.573376	0.0912162	3.26E-10	-0.0035528	0.0185519	0.8481303	0.5545808	7	0.96801944
ENSG00000146205	2	ANO7	242127924	rs76832527	2	242157241	A	G	0.171968	-0.0235225	0.0118568	0.0472694	0.871188	0.120392	4.61E-13	-0.0270005	0.0141121	0.0557121	0.5570804	19	0.56298992
ENSG00000115677	2	HDLBP	242166679	rs6746534	2	242159266	T	G	0.571571	-0.0038528	0.00826815	0.641232	-0.326078	0.0500193	7.08E-11	0.0118155	0.0254211	0.64208	0.07086212	16	0.91818653
ENSG00000168385	2	2-Sep	242254515	rs28446330	2	242392759	C	T	0.0954274	0.0118386	0.0155797	0.447331	0.443056	0.0555272	1.47E-15	0.0267203	0.0353233	0.4493789	0.3166213	18	0.86618806
ENSG00000180902	2	D2HGDH	242673994	rs7582582	2	242710079	T	C	0.512922	0.00861375	0.00811533	0.288501	-0.647854	0.0672006	5.39E-22	-0.0132958	0.0126022	0.2914062	0.8722594	20	0.78165962
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.00442	0.0752223	1.14E-40	0.0175142	0.00923064	0.05777564	0.5428878	20	0.56298992
ENSG00000237940	2	AC093642.3	242912834	rs559186830	2	243087313	T	C	0.026839	-0.0413214	0.02827	0.143832	-1.24903	0.189705	4.58E-11	0.0330828	0.0231846	0.1536001	0.6931097	3	0.6687947
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	0.863828	0.0958222	1.97E-19	0.016953	0.0103607	0.1017809	0.2237575	20	0.63886666
ENSG00000144455	3	SUMF1	3742498	rs6764880	3	4410288	T	C	0.586481	-0.0038031	0.00814263	0.640454	-0.357746	0.0546537	5.92E-11	0.0106308	0.0228188	0.6413017	0.3719763	8	0.91818653
ENSG00000180914	3	OXTR	8792094	rs2287580	3	8833387	A	G	0.204771	-0.0092091	0.00885153	0.298156	0.54832	0.0940736	5.59E-09	-0.0167951	0.0163982	0.3057381	0.04727465	6	0.78186342
ENSG00000134077	3	THUMPD3	9404526	rs7638655	3	9425376	T	C	0.149105	-0.0138942	0.0120487	0.248843	-0.551738	0.0714326	1.13E-14	0.0251826	0.0220798	0.2540661	0.5932367	16	0.74190101
ENSG00000156990	3	RPUSD3	9879533	rs2290306	3	9885615	C	G	0.05666	0.00311167	0.0184157	0.865822	-0.665903	0.0733608	1.12E-19	-0.0046729	0.02766	0.8658446	0.313349	4	0.97039534
ENSG00000144559	3	TAMM41	11831916	rs9840435	3	11865336	T	G	0.429423	-0.004825	0.00807031	0.549927	-0.492986	0.0733858	1.85E-11	0.00978728	0.016435	0.551499	0.531295	19	0.8897853
ENSG00000157150	3	TIMP4	12194551	rs6764870	3	12241740	G	A	0.911531	-0.0311503	0.0156006	0.0458543	-0.748811	0.121255	6.59E-10	0.0415997	0.0218958	0.05744685	0.2819308	18	0.56298992
ENSG00000233121	3	VN1R20P	13968310	rs13097822	3	13969396	A	T	0.357853	0.0116297	0.00855732	0.174137	0.544014	0.0889373	9.55E-10	0.0213776	0.0161135	0.184613	0.5132209	11	0.68184592
ENSG00000154781	3	CCDC174	14693271	rs2053017	3	14702272	A	G	0.351889	0.00512391	0.00819432	0.531774	0.702718	0.0796931	1.17E-18	0.00729156	0.0116902	0.5328024	0.3302199	13	0.88150043
ENSG00000131379	3	C3orf20	14716606	rs4684237	3	14710588	T	C	0.217694	0.00452967	0.00875492	0.604887	-0.832876	0.109448	2.75E-14	-0.0054386	0.0105359	0.6057189	0.08212889	6	0.90506093
ENSG00000224660	3	SH3BP5-AS1	15295691	rs3773469	3	15308240	G	A	0.133201	-0.0042004	0.0127758	0.742325	0.440437	0.0778526	1.54E-08	-0.0095369	0.029056	0.7427429	0.8790856	5	0.93473078
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	0.590683	0.0613772	6.34E-22	-0.0010777	0.0141078	0.9391083	0.00044719	20	0.98649544
ENSG00000136059	3	VILL	38029550	rs9311173	3	38045528	A	G	0.187873	0.00569744	0.0110647	0.606608	-0.513438	0.0760945	1.51E-11	-0.0110966	0.0216129	0.6076523	0.394688	4	0.90506093
ENSG00000157036	3	EXOG	38537618	rs1073506	3	38566235	T	G	0.387674	0.0130314	0.00816288	0.110396	0.347725	0.0528187	4.60E-11	0.0374762	0.0241554	0.1207919	0.1372481	13	0.64489068
ENSG00000168038	3	ULK4	41288090	rs553267232	3	41813889	A	G	0.177932	0.00681191	0.0101454	0.501946	0.592543	0.0753872	3.84E-15	0.0114961	0.0171842	0.5035006	0.4860953	9	0.87134983
ENSG00000230084	3	RP4-613B23.1	42643455	rs3846059	3	42695313	A	G	0.140159	0.00283538	0.0127062	0.823419	0.724837	0.0780344	1.56E-20	0.00391175	0.0175348	0.8234694	0.217848	15	0.9610233
ENSG00000010282	3	HHATL	42734155	rs34549959	3	42753753	C	T	0.459245	-0.0112678	0.00807402	0.162846	-0.300004	0.0469166	1.61E-10	0.0375588	0.0275465	0.1727351	0.6386906	7	0.67238185
ENSG00000181061	3	HIGD1A	42798669	rs73077220	3	42842340	C	T	0.215706	0.0276459	0.00914472	0.0025015	-0.333597	0.0492582	1.27E-11	-0.0828721	0.0300197	0.00576963	0.7692812	3	0.2764859
ENSG00000144792	3	ZNF660	44619715	rs4682985	3	44648243	A	C	0.900596	0.0013192	0.0142605	0.926295	-0.839128	0.107965	7.71E-15	-0.0015721	0.0169956	0.9263002	0.595347	20	0.98138752
ENSG00000011376	3	LARS2	45429998	rs12633889	3	45551898	T	C	0.333996	-0.0070127	0.0096181	0.465931	-0.513007	0.0590076	3.50E-18	0.0136698	0.0188143	0.4674935	0.1369422	20	0.86904091
ENSG00000012223	3	LTF	46477136	rs11706090	3	46519345	T	A	0.415507	-0.0026861	0.00810934	0.740469	0.590834	0.0964405	8.99E-10	-0.0045462	0.0137453	0.7408344	0.7089366	3	0.93473078
ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.759345	0.0771059	6.99E-23	-0.0279004	0.0118126	0.01818077	0.6178213	12	0.39297047
ENSG00000188086	3	PRSS45	46783582	rs57268847	3	46794745	T	A	0.149105	-0.0097795	0.0102912	0.341973	1.02154	0.131878	9.48E-15	-0.0095733	0.0101497	0.3455766	0.3248811	11	0.8233267
ENSG00000160801	3	PTH1R	46919236	rs113518254	3	47550667	A	G	0.0159046	-0.0052879	0.0276175	0.848158	1.17688	0.188905	4.66E-10	-0.0044931	0.0234778	0.8482291	0.8664351	3	0.96801944
ENSG00000114650	3	SCAP	47455203	rs1872164	3	47415100	A	G	0.395626	-0.005445	0.00829907	0.511762	0.28802	0.0499938	8.36E-09	-0.0189049	0.0290005	0.5144768	0.3256286	13	0.87134983
ENSG00000164048	3	ZNF589	48282590	rs6806112	3	48276077	T	A	0.328032	-0.0243577	0.00960392	0.0112052	0.802215	0.084616	2.53E-21	-0.0303631	0.0123927	0.01428283	0.06686943	14	0.37355797
ENSG00000213689	3	TREX1	48506445	rs11797	3	48508585	C	T	0.55666	-0.0041652	0.00825411	0.613827	0.47367	0.0618315	1.85E-14	-0.0087934	0.0174636	0.6145933	0.1261533	11	0.90797059
ENSG00000213672	3	NCKIPSD	48701364	rs6792510	3	48723302	C	G	0.647117	-0.0282879	0.00849467	0.00086822	0.366502	0.0454757	7.67E-16	-0.0771835	0.0250783	0.00208609	0.3282196	20	0.19228317
ENSG00000068745	3	IP6K2	48725436	rs72929172	3	48731961	G	A	0.0646123	0.034796	0.0167667	0.0379586	0.730023	0.103187	1.50E-12	0.0476642	0.0239351	0.04643758	0.5160588	5	0.54092126
ENSG00000178467	3	P4HTM	49027319	rs6446205	3	49035211	A	G	0.664016	-0.0289916	0.00854353	0.00069032	0.189604	0.033397	1.37E-08	-0.152906	0.0524955	0.00358267	0.04848407	13	0.24699566
ENSG00000145020	3	AMT	49454211	rs9842132	3	49427933	A	G	0.23161	0.0169178	0.0100805	0.0932932	-0.316163	0.0567295	2.50E-08	-0.0535097	0.0332981	0.1080569	0.00399161	5	0.63886666
ENSG00000164068	3	RNF123	49726932	rs9871654	3	49825370	C	T	0.473161	0.0194208	0.00841808	0.0210528	0.197859	0.0345234	9.98E-09	0.0981547	0.0458636	0.03234297	0.01711255	6	0.47347013
ENSG00000173540	3	GMPPB	49754277	rs62262722	3	49769419	C	G	0.16004	0.0237903	0.0130644	0.0686072	0.644083	0.0828109	7.38E-15	0.0369367	0.0208322	0.07621976	0.00060179	18	0.58667734
ENSG00000004534	3	RBM6	49977440	rs2240329	3	50107512	A	G	0.479125	-0.0012899	0.00807151	0.873036	0.347786	0.0423446	2.15E-16	-0.0037088	0.0232127	0.8730602	0.03748114	20	0.97372213
ENSG00000186792	3	HYAL3	50330262	rs2236947	3	50371432	A	C	0.463221	-0.0125375	0.00815596	0.124239	-0.548543	0.0622922	1.30E-18	0.022856	0.0150933	0.1299448	0.00416302	19	0.6594625
ENSG00000163938	3	GNL3	52715172	rs13083798	3	52649748	G	A	0.513917	-0.0358967	0.00806234	8.49E-06	-0.282982	0.0436006	8.57E-11	0.126852	0.0345502	0.00024111	0.3622953	9	0.11400133
ENSG00000055955	3	ITIH4	52846991	rs7638524	3	52874861	A	G	0.265408	-0.038318	0.00915823	2.86E-05	0.755248	0.0813453	1.63E-20	-0.0507357	0.0133005	0.00013643	0.4505594	20	0.11400133
ENSG00000242142	3	SERBP1P3	53098299	rs2115782	3	53131830	A	G	0.593439	0.00350262	0.00815815	0.667676	0.891625	0.0751031	1.65E-32	0.00392836	0.00915574	0.6678799	6.76E-06	20	0.92695413
ENSG00000163933	3	RFT1	53122499	rs2564921	3	53125585	C	T	0.597416	0.00348168	0.00815815	0.669544	-0.518888	0.0692627	6.80E-14	-0.0067099	0.0157479	0.6700478	0.00069526	17	0.92695413
ENSG00000271976	3	RP11-884K10.7	53893021	rs3733075	3	53886912	T	C	0.34493	0.00127101	0.00871892	0.884098	-0.374154	0.0683555	4.41E-08	-0.003397	0.0233113	0.8841389	0.05132239	9	0.97813375
ENSG00000113812	3	ACTR8	53901093	rs57635475	3	53947516	T	G	0.317097	0.00539941	0.00893598	0.545689	-0.535447	0.0712825	5.84E-14	-0.0100839	0.0167427	0.546983	0.1481979	19	0.88795008
ENSG00000180376	3	CCDC66	56591189	rs112312748	3	56578372	A	G	0.534791	0.00112007	0.00807401	0.889667	0.420357	0.0546403	1.44E-14	0.00266457	0.0192106	0.889685	0.8014888	20	0.97813375
ENSG00000144741	3	SLC25A26	66119285	rs146159281	3	66287056	A	G	0.341948	-0.0119615	0.00811514	0.140489	-0.585418	0.0707582	1.30E-16	0.0204324	0.0140804	0.1467453	0.7584005	20	0.66601785
ENSG00000144749	3	LRIG1	66429221	rs116424617	3	66766199	G	T	0.0248509	-0.0386692	0.0238788	0.105363	-0.812308	0.14733	3.52E-08	0.0476041	0.030638	0.1202413	0.7161444	4	0.64371605
ENSG00000163412	3	EIF4E3	71724567	rs6804667	3	71758015	C	A	0.642147	0.00691321	0.00904682	0.444772	0.303685	0.0548967	3.17E-08	0.0227644	0.030073	0.4490671	0.916087	4	0.86618806
ENSG00000244026	3	FAM86DP	75470703	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.3986	0.144535	3.79E-22	0.0122812	0.0109733	0.2630602	0.7468616	11	0.75668673
ENSG00000272690	3	RP11-803B1.8	75484499	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.36183	0.186031	2.47E-13	0.0126128	0.0113258	0.2654359	0.5850256	10	0.75736757
ENSG00000227124	3	ZNF717	75758794	rs4974327	3	75827497	T	C	0.426441	-0.0112731	0.00810754	0.164392	-0.510979	0.0896486	1.20E-08	0.0220618	0.016332	0.1767488	0.6795706	13	0.67238185
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.858038	0.0829879	4.68E-25	0.00533825	0.00944388	0.5718969	0.8317358	16	0.89742519
ENSG00000114021	3	NIT2	100053545	rs13082297	3	100071070	C	G	0.348907	-0.0066056	0.00854824	0.439676	-0.387708	0.058301	2.93E-11	0.0170375	0.0221965	0.4427393	0.9474088	10	0.86618806
ENSG00000256628	3	ZBTB11-AS1	101395274	rs11708616	3	101231731	T	C	0.240557	-0.0061354	0.00924605	0.506964	0.608834	0.110021	3.13E-08	-0.0100773	0.0152953	0.5099907	0.07264806	9	0.87134983
ENSG00000244119	3	PDCL3P4	101431316	rs34883763	3	101419783	A	G	0.328032	-0.0062377	0.00837478	0.456378	0.611777	0.0600738	2.34E-24	-0.0101961	0.0137258	0.4575792	0.07504965	20	0.86904091
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.698835	0.0901558	9.09E-15	-0.0118268	0.0116638	0.3105971	0.9840384	12	0.78482223
ENSG00000243795	3	RP11-572M11.3	112861197	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	0.612696	0.0932335	4.98E-11	0.0134895	0.0133481	0.3122116	0.9985071	9	0.78515847
ENSG00000163389	3	POGLUT1	119187785	rs80141465	3	119227659	C	T	0.0656064	-0.0417648	0.018616	0.0248651	0.801348	0.116715	6.61E-12	-0.0521182	0.0244396	0.03296336	0.08277962	6	0.47347013
ENSG00000173226	3	IQCB1	121488610	rs1141528	3	121507231	T	A	0.125249	-0.0116489	0.0125613	0.353737	1.13745	0.121895	1.04E-20	-0.0102412	0.0110978	0.3561019	0.7502893	18	0.82820583
ENSG00000243429	3	OR7E29P	125430983	rs11922736	3	125399127	C	T	0.576541	0.00446921	0.00882295	0.612474	-0.470841	0.0826005	1.20E-08	-0.009492	0.0188125	0.6138711	0.3809988	12	0.90779864
ENSG00000241278	3	ENPP7P4	125567066	rs2735213	3	125495558	G	A	0.708748	0.0185842	0.00980615	0.0580711	-0.422644	0.0704583	1.99E-09	-0.0439713	0.0243324	0.07074481	0.245402	4	0.58411197
ENSG00000171084	3	FAM86JP	125635463	rs13325495	3	125637416	G	T	0.167992	-0.0178737	0.0141986	0.20809	0.92412	0.101085	6.13E-20	-0.0193413	0.0155094	0.2123725	0.1838581	20	0.70976598
ENSG00000189366	3	ALG1L	125648118	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.858922	0.095297	2.00E-19	-0.0200521	0.0105068	0.05632729	0.5434701	20	0.56298992
ENSG00000241439	3	RP11-666A20.3	125677399	rs34828359	3	125767409	A	C	0.282306	0.0182489	0.0088196	0.0385336	-0.630658	0.0990679	1.94E-10	-0.0289363	0.0147049	0.0490917	0.8125263	17	0.5491704
ENSG00000114547	3	ROPN1B	125687987	rs4450758	3	125686761	A	T	0.557654	0.010378	0.00808979	0.199544	-0.625152	0.0938702	2.74E-11	-0.0166008	0.0131784	0.2077799	0.4851722	20	0.70818873
ENSG00000114544	3	SLC41A3	125725198	rs6438959	3	125759445	C	T	0.627237	0.00759975	0.00808548	0.347255	0.256801	0.0466067	3.59E-08	0.0295939	0.0319402	0.3541648	0.4951667	7	0.82820583
ENSG00000070476	3	ZXDC	126156444	rs800947	3	126186781	T	C	0.66998	0.0108861	0.0083977	0.194867	0.508587	0.0667427	2.53E-14	0.0214046	0.016749	0.2012639	0.1389988	14	0.69745575
ENSG00000180767	3	CHST13	126243126	rs11717719	3	126247795	T	C	0.587475	0.00693628	0.00807196	0.390172	0.574494	0.100147	9.66E-09	0.0120737	0.0142073	0.3954229	0.9011171	17	0.83797147
ENSG00000177646	3	ACAD9	128598439	rs62265306	3	128661019	A	G	0.0178926	0.00759799	0.0204439	0.710153	1.44715	0.249512	6.63E-09	0.00525031	0.014156	0.7107194	0.6875955	6	0.92906635
ENSG00000163913	3	IFT122	129158968	rs2713630	3	129243538	A	G	0.159046	0.0222626	0.0155711	0.152792	-0.363051	0.0609421	2.56E-09	-0.0613209	0.0441075	0.1644498	0.218623	8	0.67203469
ENSG00000228252	3	COL6A4P2	129931666	rs7428327	3	129826031	T	C	0.493042	-0.0131411	0.00808644	0.104144	-0.904032	0.0979073	2.62E-20	0.0145361	0.00908234	0.1094921	0.4056532	20	0.63886666
ENSG00000113971	3	NPHP3	132276986	rs12631786	3	132438719	C	T	0.21173	-0.0019615	0.00997313	0.844076	-0.76096	0.0651964	1.78E-31	0.0025777	0.0131078	0.8440987	0.9886389	10	0.96801944
ENSG00000260633	3	RP11-375I20.6	134066130	rs4974494	3	134059150	T	C	0.609344	-0.0046635	0.00829335	0.573902	-0.569479	0.0769672	1.37E-13	0.00818899	0.014605	0.5750046	0.4835744	9	0.89882852
ENSG00000129055	3	ANAPC13	134196548	rs12492930	3	134222722	G	A	0.689861	-0.0004399	0.00901493	0.961078	0.348718	0.0443469	3.74E-15	-0.0012616	0.0258521	0.9610792	0.6922275	13	0.98796376
ENSG00000114054	3	PCCB	135969148	rs6764567	3	136425514	C	A	0.586481	0.0150299	0.00806986	0.0625374	-0.339949	0.0566429	1.95E-09	-0.0442122	0.0248552	0.07527424	0.2863356	9	0.58667734
ENSG00000261758	3	RP11-102M11.2	136471472	rs834305	3	136119354	T	C	0.40159	-0.0152115	0.00808952	0.0600537	0.628101	0.0963768	7.17E-11	-0.0242182	0.0134047	0.0708098	0.7143958	20	0.58411197
ENSG00000273486	3	RP11-731C17.2	136556180	rs2031030	3	136578892	G	T	0.656064	-0.0003127	0.00870293	0.971341	0.537236	0.0738878	3.57E-13	-0.000582	0.0161997	0.9713417	0.1762035	12	0.99153074
ENSG00000181322	3	NME9	137980279	rs13087441	3	138042669	A	G	0.256461	-0.0056244	0.00904306	0.533974	-0.331398	0.0504731	5.17E-11	0.0169716	0.0274098	0.5357976	0.9654365	9	0.88150043
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	0.840842	0.0786178	1.07E-26	-0.0160244	0.0131617	0.223414	0.5057733	20	0.72611201
ENSG00000243069	3	ARHGEF26-AS1	153742190	rs11914514	3	153746544	C	T	0.240557	-0.0136161	0.0090087	0.130677	0.366088	0.0547238	2.24E-11	-0.0371935	0.0252283	0.1404065	0.7831263	12	0.66149748
ENSG00000244515	3	KRT18P34	156880452	rs56263456	3	156906214	A	G	0.256461	-0.016525	0.0106049	0.119176	-0.707708	0.0997064	1.27E-12	0.02335	0.0153417	0.1280099	0.02303094	13	0.6594625
ENSG00000118849	3	RARRES1	158414681	rs4680458	3	158442154	G	A	0.308151	-0.0081461	0.00884073	0.356828	0.518938	0.0945554	4.06E-08	-0.0156976	0.0172746	0.3635038	0.2244516	4	0.82820583
ENSG00000240207	3	RP11-379F4.4	158450052	rs61794821	3	158460936	G	A	0.220676	0.0197886	0.0103114	0.0549731	0.346639	0.0616907	1.92E-08	0.0570871	0.0314339	0.06935538	0.02446695	7	0.58145801
ENSG00000272247	3	RP11-379F4.9	158519046	rs2244996	3	158519446	C	T	0.72167	-0.0201126	0.00842173	0.0169321	-0.663131	0.108152	8.71E-10	0.0303298	0.0136293	0.02605863	0.5130644	3	0.44317726
ENSG00000206120	3	EGFEM1P	167967310	rs613688	3	168518043	A	G	0.403579	0.00406908	0.00849428	0.631911	-0.719527	0.0758775	2.48E-21	-0.0056552	0.0118204	0.6323459	0.5762269	20	0.91631805
ENSG00000241231	3	RP11-275H4.1	181138846	rs6443742	3	181160258	G	A	0.687873	0.0257017	0.00867556	0.00305105	0.867442	0.0837525	3.88E-25	0.0296293	0.0104024	0.00439519	0.2985393	20	0.26622312
ENSG00000240024	3	LINC00888	183165396	rs9881661	3	183171414	A	G	0.533797	-0.0074787	0.00830089	0.367617	0.238014	0.0432355	3.69E-08	-0.0314211	0.0353396	0.3739401	0.720266	7	0.8319892
ENSG00000114796	3	KLHL24	183353356	rs9856997	3	183397507	A	G	0.264414	-0.00651	0.00959088	0.497285	-0.289109	0.0493705	4.74E-09	0.0225174	0.033396	0.5001496	0.4347064	9	0.87134983
ENSG00000233885	3	YEATS2-AS1	183524245	rs263025	3	183527618	C	T	0.470179	0.00404489	0.008405	0.63034	0.554974	0.0638538	3.58E-18	0.00728843	0.0151681	0.6308634	0.716762	20	0.91604822
ENSG00000145198	3	VWA5B2	183948217	rs706584	3	183960252	C	A	0.225646	0.0054935	0.0102288	0.591224	-0.518384	0.0673459	1.39E-14	-0.0105974	0.0197801	0.5921248	0.4740137	14	0.90196409
ENSG00000272970	3	RP11-329B9.4	184451863	rs9833109	3	184440863	C	T	0.515905	0.00483869	0.00806205	0.548386	0.556888	0.0949753	4.53E-09	0.0086888	0.0145526	0.5504664	0.3686031	10	0.88954053
ENSG00000156931	3	VPS8	184529931	rs7625123	3	184532028	G	A	0.0765408	0.00633755	0.020247	0.754272	0.560333	0.0958768	5.09E-09	0.0113103	0.0361857	0.7546121	0.3183523	16	0.93883665
ENSG00000225764	3	LEPREL1-AS1	189838753	rs2675435	3	189875706	A	G	0.732604	0.0049709	0.00847664	0.557591	-0.515918	0.0729611	1.54E-12	-0.0096351	0.0164866	0.5589397	0.07238173	9	0.89238615
ENSG00000236297	3	RP11-175P19.2	193296601	rs11720294	3	193389390	A	G	0.450298	0.0140759	0.00809149	0.0819294	0.582417	0.103803	2.01E-08	0.0241681	0.0145454	0.09660012	0.08732653	7	0.63013001
ENSG00000230102	3	RP11-407B7.1	193723226	rs4687494	3	193728370	G	T	0.520875	0.0040165	0.00817629	0.623258	0.582094	0.0933544	4.51E-10	0.00690009	0.0140899	0.624332	0.2977204	5	0.91030525
ENSG00000231770	3	TMEM44-AS1	194304740	rs6765455	3	194308970	A	G	0.110338	0.00879476	0.0135427	0.516074	0.634771	0.104448	1.22E-09	0.013855	0.0214562	0.518452	0.2166506	6	0.87134983
ENSG00000041802	3	LSG1	194361517	rs112097663	3	194377712	T	C	0.164016	0.00961277	0.0109398	0.379567	0.883293	0.093599	3.84E-21	0.0108829	0.0124388	0.3816215	0.2450161	8	0.8319892
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.410395	0.0570445	6.28E-13	0.0374824	0.0209065	0.07299497	0.2965394	10	0.58667734
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.912778	0.0904855	6.27E-24	0.00995731	0.0089393	0.2653308	0.4543901	20	0.75736757
ENSG00000271662	3	RP11-141C7.3	195377017	rs79114865	3	195661441	A	C	0.16998	-0.004035	0.0118263	0.732963	-0.785205	0.122035	1.24E-10	0.00513875	0.0150826	0.7333238	0.3025316	20	0.93390991
ENSG00000229178	3	AC069513.4	195382436	rs6768928	3	195329888	G	A	0.328032	-0.0076577	0.00929046	0.409793	-0.784274	0.0922617	1.89E-17	0.00976409	0.0119015	0.4119833	0.8009644	20	0.85288283
ENSG00000215837	3	SDHAP2	195384967	rs6768928	3	195329888	G	A	0.328032	-0.0076577	0.00929046	0.409793	-0.79329	0.101096	4.26E-15	0.00965312	0.0117757	0.4123608	0.7698111	20	0.85288283
ENSG00000176945	3	MUC20	195447753	rs4247595	3	195672574	C	G	0.213718	0.00506504	0.00964024	0.599301	0.687236	0.104726	5.30E-11	0.00737016	0.0140724	0.6004663	0.6128872	16	0.90357711
ENSG00000185485	3	SDHAP1	195686619	rs7627446	3	195477407	A	G	0.697813	0.00291293	0.00876864	0.73974	0.512924	0.0833289	7.49E-10	0.00567907	0.0171203	0.7401038	0.7638689	20	0.93473078
ENSG00000231464	3	AC024937.4	195723609	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.668276	0.10015	2.51E-11	0.0143009	0.0123011	0.2450034	0.8757751	20	0.73779433
ENSG00000163961	3	RNF168	196195654	rs111942422	3	196206136	A	G	0.0854871	0.00818398	0.0213581	0.701586	-0.666653	0.12062	3.26E-08	-0.0122762	0.0321147	0.7022673	0.6124143	8	0.92906635
ENSG00000163964	3	PIGX	196366646	rs4916543	3	196462949	T	C	0.228628	-0.0080248	0.0109728	0.464575	0.407673	0.0573395	1.16E-12	-0.0196843	0.0270577	0.4669237	0.06649022	6	0.86904091
ENSG00000230732	3	AC127904.2	196639821	rs9784336	3	196606541	T	A	0.532803	-0.0005074	0.00838342	0.951736	-0.503105	0.0896818	2.02E-08	0.00100858	0.0166643	0.9517389	0.3880986	3	0.98752211
ENSG00000119227	3	PIGZ	196673214	rs11922888	3	196675994	G	C	0.298211	-0.0098555	0.00953146	0.30114	0.433107	0.0507096	1.33E-17	-0.0227553	0.0221679	0.304657	0.5946717	10	0.78165962
ENSG00000272989	3	RP13-616I3.1	197232133	rs1431500	3	197191912	C	A	0.380716	0.00888955	0.00844453	0.292479	0.543947	0.0815421	2.54E-11	0.0163427	0.0157167	0.2984184	0.7406838	11	0.78165962
ENSG00000214135	3	AC024560.3	197305084	rs2636937	3	197355908	T	A	0.331014	0.00742471	0.00937938	0.428594	0.339723	0.0599353	1.44E-08	0.0218552	0.0278768	0.4330456	0.7724486	17	0.8652749
ENSG00000249626	3	RP11-496H1.1	197361186	rs7628440	3	197375902	G	T	0.267396	0.0137822	0.00991517	0.164526	-0.483184	0.0718957	1.81E-11	-0.0285237	0.0209548	0.1734499	0.7432575	4	0.67238185
ENSG00000250312	4	ZNF718	124386	rs7678326	4	166811	T	A	0.455268	-0.0095533	0.00812549	0.239707	0.922494	0.082193	3.13E-29	-0.0103559	0.00885637	0.2422741	0.6890251	20	0.73690257
ENSG00000242686	4	RP11-1191J2.2	646639	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	-0.952545	0.0760949	5.96E-36	0.00842587	0.0115531	0.4658098	0.329906	20	0.86904091
ENSG00000163945	4	UVSSA	1341054	rs3796618	4	1349602	A	T	0.512922	-0.0046973	0.00815186	0.564466	-0.42657	0.0621963	6.96E-12	0.0110117	0.0191776	0.5658341	0.270773	20	0.89304677
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.60792	0.164427	1.39E-22	-0.0106748	0.0151098	0.4798873	0.6942423	20	0.87134983
ENSG00000168936	4	TMEM129	1717679	rs28499138	4	1736737	C	T	0.440358	0.00185476	0.00842665	0.825788	-0.277589	0.0478559	6.61E-09	-0.0066817	0.0303784	0.8259115	0.949748	6	0.96159938
ENSG00000261643	4	RP11-529E10.6	3505324	rs1054662	4	3496150	G	A	0.543738	0.00612335	0.00841225	0.466669	-0.416709	0.0631636	4.19E-11	-0.0146945	0.0203099	0.4693616	0.4560843	20	0.86904091
ENSG00000163956	4	LRPAP1	3508103	rs11729369	4	3509962	C	A	0.22167	-0.0039654	0.0108249	0.714126	0.319789	0.0554108	7.87E-09	-0.0124	0.0339183	0.7146751	0.6825135	16	0.92906635
ENSG00000132406	4	TMEM128	4237269	rs62286917	4	4243862	C	T	0.342942	0.010314	0.00817884	0.207286	0.44984	0.0676432	2.93E-11	0.0229282	0.0185057	0.215353	0.1910849	11	0.71455015
ENSG00000251580	4	RP11-539L10.3	6672452	rs36102500	4	6669749	A	G	0.156064	-0.0041823	0.0113517	0.712558	-0.74186	0.110623	2.00E-11	0.00563752	0.0153247	0.71297	0.708579	14	0.92906635
ENSG00000245468	4	RP11-367J11.3	7096298	rs28401383	4	7109830	G	A	0.32505	0.00901104	0.00894283	0.313634	-0.462099	0.0818179	1.62E-08	-0.0195002	0.0196582	0.321215	0.5419358	13	0.79207218

ENSG00000087008	4	ACOX3	8368009	rs139184456	4	8551563	C	A	0.0347913	-0.0111888	0.031025	0.71837	0.910181	0.156835	6.50E-09	-0.0122929	0.0341524	0.7188891	0.2589064	4	0.92906635
ENSG00000155275	4	TRMT44	8437867	rs4696828	4	8455604	A	G	0.327038	0.0046412	0.00822838	0.572722	0.516222	0.0895867	8.30E-09	0.00899071	0.0160158	0.5745489	0.309347	18	0.89882852
ENSG00000205959	4	RP11-689P11.2	8483997	rs2010758	4	8475623	A	G	0.641153	-0.0062217	0.008171	0.446398	-0.520931	0.0612135	1.74E-17	0.0119434	0.015748	0.4482088	0.05219032	20	0.86618806
ENSG00000237765	4	FAM200B	15683285	rs3756247	4	15706466	C	T	0.287276	-0.0096413	0.00933546	0.301714	-0.383867	0.0549891	2.94E-12	0.0251164	0.0245842	0.3069488	0.4541306	12	0.78307034
ENSG00000249506	4	ZEB2P1	16362309	rs7673302	4	16411757	A	G	0.26839	-0.0082691	0.00899659	0.358026	1.19708	0.111949	1.10E-26	-0.0069077	0.00754316	0.3597949	0.670079	14	0.82820583
ENSG00000163138	4	PACRGL	20697905	rs62410091	4	20683956	T	C	0.153082	6.41E-05	0.0125421	0.995919	-0.804945	0.106833	4.90E-14	-7.97E-05	0.0155813	0.9959192	0.6352494	20	0.99706162
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.841574	0.0830029	3.71E-24	0.00267335	0.00971995	0.7832877	0.2236981	20	0.9484432
ENSG00000251410	4	AC007106.1	27969345	rs16880483	4	28315267	T	C	0.277336	0.00206485	0.00832166	0.804034	-0.517888	0.0944292	4.15E-08	-0.0039871	0.0160849	0.8042303	0.9995599	5	0.95356165
ENSG00000251129	4	RP11-734I18.1	31999019	rs6553983	4	32005439	T	C	0.798211	4.45E-05	0.00915677	0.996121	-1.18218	0.112421	7.32E-26	-3.77E-05	0.00774567	0.996121	0.7728242	16	0.99706162
ENSG00000169299	4	PGM2	37828255	rs2059483	4	37828186	T	C	0.593439	0.00105421	0.00820681	0.897788	-0.320165	0.0515127	5.12E-10	-0.0032927	0.0256385	0.8978102	0.8871162	13	0.97813375
ENSG00000231160	4	RP11-617D20.1	38614322	rs337626	4	38631477	C	T	0.126243	-0.01627	0.0116587	0.16286	-0.620025	0.0932594	2.96E-11	0.0262409	0.0192134	0.1720139	0.9271115	3	0.67238185
ENSG00000134962	4	KLB	39408473	rs17510142	4	39455742	A	G	0.202783	-0.0076235	0.00969772	0.431802	-0.795378	0.119725	3.07E-11	0.00958474	0.0122777	0.4349995	0.6564394	10	0.86618806
ENSG00000163682	4	RPL9	39455744	rs2608824	4	39447779	G	A	0.678926	0.00027892	0.00844884	0.973665	-0.613928	0.0507602	1.13E-33	-0.0004543	0.013762	0.9736647	0.7255465	20	0.99238902
ENSG00000224097	4	RP11-472B18.1	39481875	rs13144464	4	39481662	C	T	0.348907	-0.0060118	0.00821144	0.46409	0.639511	0.0906126	1.69E-12	-0.0094007	0.0129091	0.4664777	0.4181892	7	0.86904091
ENSG00000014824	4	SLC30A9	41992489	rs35741556	4	42123515	C	T	0.257455	-0.0043584	0.00970608	0.653401	0.240008	0.0422226	1.31E-08	-0.0181596	0.0405666	0.6544075	0.5238896	20	0.92370535
ENSG00000251350	4	RP11-328N19.1	44018878	rs73177815	4	44018286	G	C	0.178926	0.00015615	0.0100937	0.987657	0.855844	0.118292	4.65E-13	0.00018246	0.0117939	0.9876569	0.3639546	10	0.99422252
ENSG00000151806	4	GUF1	44680444	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	-0.725259	0.0836784	4.43E-18	0.0280298	0.0149247	0.06036966	0.4732221	17	0.5662877
ENSG00000163281	4	GNPDA2	44684217	rs12646633	4	44644687	G	A	0.241551	-0.0208187	0.0105703	0.0488911	0.48947	0.071684	8.60E-12	-0.0425331	0.0224758	0.05843832	0.6872882	9	0.56493913
ENSG00000170448	4	NFXL1	47849257	rs6826122	4	47916346	G	C	0.977137	-0.0956639	0.0387364	0.013526	-1.63708	0.226888	5.38E-13	0.0584357	0.0250095	0.01946316	0.7067262	8	0.39297047
ENSG00000198515	4	CNGA1	47937994	rs1507922	4	47984429	C	T	0.240557	0.00298853	0.0106712	0.779435	0.964726	0.105844	7.90E-20	0.0030978	0.0110666	0.7795362	0.8181768	11	0.94814501
ENSG00000248184	4	RP11-231C18.1	55199059	rs17084171	4	55201854	A	C	0.409543	0.00900547	0.00815429	0.269427	0.73686	0.0969637	2.98E-14	0.0122214	0.0111825	0.2744361	0.4151702	4	0.76501365
ENSG00000249693	4	THEGL	57396775	rs3897839	4	57399252	C	T	0.292247	-0.0246743	0.00829694	0.00294042	0.516964	0.0928223	2.56E-08	-0.0477292	0.0181941	0.00870734	0.01939617	7	0.30261579
ENSG00000163743	4	RCHY1	76404247	rs10032148	4	76409569	A	G	0.302187	-0.0114318	0.00849446	0.178368	0.339161	0.0554252	9.40E-10	-0.0337061	0.0256441	0.1887174	0.710113	10	0.68577349
ENSG00000138744	4	NAAA	76831809	rs6816425	4	76983992	C	T	0.372763	0.0101757	0.00831784	0.221196	-0.423307	0.0707648	2.21E-09	-0.0240386	0.0200564	0.2307027	0.08187806	12	0.72889676
ENSG00000138750	4	NUP54	77035812	rs4859610	4	77000441	G	A	0.766402	0.00180191	0.00962935	0.851561	-0.385372	0.0694677	2.90E-08	-0.0046758	0.0250014	0.8516446	0.8295276	11	0.96801944
ENSG00000189157	4	FAM47E	77135193	rs4859652	4	77188244	A	G	0.642147	-0.0061865	0.00847999	0.465672	-0.47661	0.0551674	5.65E-18	0.0129802	0.0178556	0.467255	0.2877034	20	0.86904091
ENSG00000118804	4	FAM47E-STBD1	77172886	rs78737354	4	77136858	T	C	0.0735586	0.016297	0.0145292	0.262003	-0.55782	0.101264	3.62E-08	-0.0292155	0.0265809	0.2717168	0.5955294	9	0.76397827
ENSG00000251022	4	THAP9-AS1	83814162	rs28655592	4	83910406	T	G	0.242545	-0.0212515	0.00992501	0.0322567	-0.635086	0.0579888	6.51E-28	0.0334624	0.0159237	0.03560405	0.5865202	19	0.47347013
ENSG00000145287	4	PLAC8	84011201	rs13122305	4	84152973	A	G	0.693837	-0.0096665	0.00924744	0.295875	0.51779	0.0817925	2.44E-10	-0.0186688	0.0181013	0.3023749	0.5226336	12	0.78165962
ENSG00000180769	4	WDFY3-AS2	85887538	rs4624645	4	85884375	G	A	0.350895	-0.0101729	0.00904336	0.260629	0.233562	0.0422319	3.19E-08	-0.0435555	0.0395121	0.2703178	0.1154728	9	0.76338863
ENSG00000273389	4	RP13-514E23.2	86921480	rs1075824	4	86867073	G	A	0.223658	0.00700511	0.00957321	0.464327	0.730693	0.106655	7.33E-12	0.00958694	0.0131761	0.4668569	0.7894166	3	0.86904091
ENSG00000170509	4	HSD17B13	88224941	rs10433879	4	88231140	C	G	0.251491	-0.0050529	0.00972387	0.603319	1.05869	0.117527	2.10E-19	-0.0047728	0.00920008	0.6039196	0.7801863	14	0.90417341
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	1.0718	0.0882307	5.90E-34	-0.012692	0.00770826	0.09965123	0.3226495	20	0.63632713
ENSG00000138722	4	MMRN1	90800683	rs142595770	4	90845761	T	C	0.0497018	0.00931523	0.0186884	0.618167	1.24818	0.201176	5.49E-10	0.00746305	0.0150208	0.6192955	0.9892643	15	0.91003736
ENSG00000272777	4	RP11-571L19.8	99988407	rs142995427	4	99909143	A	G	0.0238569	0.00296428	0.029353	0.91956	1.0819	0.187124	7.39E-09	0.00273988	0.0271351	0.9195728	0.3589585	5	0.97964539
ENSG00000109270	4	LAMTOR3	100799493	rs61203457	4	100870182	C	T	0.258449	0.00552132	0.00930445	0.552909	-0.264629	0.040312	5.22E-11	-0.0208644	0.0353037	0.5545227	0.741279	10	0.89189107
ENSG00000254531	4	AP001816.1	102268937	rs293203	4	102329769	A	C	0.713718	-0.0098681	0.00842419	0.241439	0.350833	0.0590857	2.89E-09	-0.0281275	0.0244748	0.2504545	0.05016074	5	0.7403233
ENSG00000145354	4	CISD2	103790135	rs7676765	4	103937933	C	T	0.491054	-0.0112767	0.00808251	0.162956	-0.193964	0.0353551	4.11E-08	0.0581381	0.0429965	0.1763249	0.702649	8	0.67238185
ENSG00000164039	4	BDH2	104000592	rs6830624	4	104020422	C	T	0.293241	-0.0016966	0.00962065	0.860019	0.352558	0.0483076	2.92E-13	-0.0048123	0.0272961	0.8600587	0.6223298	19	0.97036966
ENSG00000109534	4	GAR1	110736666	rs10365	4	110745854	G	C	0.647117	-0.0110425	0.00819385	0.177768	0.527625	0.0619137	1.57E-17	-0.0209287	0.0157227	0.183151	0.01415759	15	0.68184592
ENSG00000180245	4	RRH	110749150	rs6533470	4	110781311	T	G	0.644135	-0.0035779	0.00835107	0.668333	0.558755	0.0970985	8.69E-09	-0.0064033	0.0149872	0.6691946	0.2192269	14	0.92695413
ENSG00000234841	4	RP11-119H12.4	113747463	rs10013173	4	113654022	A	G	0.350895	0.0128527	0.0085078	0.130866	0.58102	0.103213	1.81E-08	0.0221209	0.015161	0.1445458	0.09424466	4	0.66601785
ENSG00000260404	4	RP11-384K6.6	119512928	rs7692057	4	119503353	T	A	0.39165	0.00769531	0.00808941	0.341461	-0.359384	0.0593289	1.38E-09	-0.0214125	0.022785	0.3473385	0.04843686	11	0.8233267
ENSG00000249244	4	RP11-548H18.2	120312986	rs11728730	4	120275003	C	T	0.284294	-0.0128529	0.00920191	0.162485	0.688787	0.0925941	1.02E-13	-0.0186602	0.0135931	0.1698226	0.7525705	15	0.67238185
ENSG00000245958	4	RP11-33B1.1	120375946	rs34858317	4	120387110	C	A	0.284294	-0.0147836	0.00932504	0.112882	-0.960877	0.0991592	3.32E-22	0.0153855	0.00983374	0.1176849	0.8899415	12	0.64371605
ENSG00000164111	4	ANXA5	122589110	rs7655436	4	122620565	C	T	0.342942	0.00340857	0.00890925	0.702026	-0.390958	0.0473122	1.42E-16	-0.0087185	0.0228127	0.7023291	0.3570671	14	0.92906635
ENSG00000138686	4	BBS7	122745595	rs1507991	4	122834559	T	G	0.304175	0.00912255	0.00833486	0.273734	0.235195	0.0405609	6.69E-09	0.0387872	0.0360639	0.2821447	0.3825473	4	0.77080769
ENSG00000151470	4	C4orf33	130014472	rs1709416	4	130031650	A	G	0.322068	0.00293981	0.00842423	0.727111	-0.463446	0.0651364	1.12E-12	-0.0063434	0.0181992	0.7274258	0.8604605	14	0.93293569
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.40936	0.114574	8.96E-35	-0.0066809	0.0101063	0.5085694	0.4693112	11	0.87134983
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.21466	0.129983	9.21E-21	-0.0077518	0.0117386	0.5090174	0.3562887	8	0.87134983
ENSG00000251600	4	RP11-673E1.1	144833484	rs2044340	4	144884564	A	G	0.587475	-0.0031403	0.00857196	0.714107	1.07782	0.105223	1.27E-24	-0.0029136	0.00795814	0.714281	0.9999153	13	0.92906635
ENSG00000170390	4	DCLK2	150999426	rs4696597	4	151143808	A	G	0.281312	0.0296796	0.0094803	0.00174417	-0.309949	0.0540122	9.55E-09	-0.0957564	0.0348423	0.00599092	0.4574647	7	0.2764859
ENSG00000164144	4	ARFIP1	153701089	rs1110956	4	153865930	A	G	0.414513	-0.0083403	0.00808769	0.302431	0.322471	0.0576184	2.19E-08	-0.0258638	0.0255026	0.3105051	0.02959467	8	0.78482223
ENSG00000248429	4	RP11-597D13.9	159091904	rs6830702	4	159076826	T	C	0.848907	-0.0141207	0.0111053	0.203539	0.80308	0.100627	1.45E-15	-0.0175832	0.0140028	0.2092282	0.7053385	7	0.70856835
ENSG00000171503	4	ETFDH	159593277	rs28735792	4	159545724	A	C	0.130219	-0.0177168	0.0152911	0.246605	-0.635363	0.0840834	4.15E-14	0.0278845	0.024348	0.2521056	0.1234827	6	0.7403233
ENSG00000271817	4	U3	159621843	rs6839534	4	159637995	A	C	0.289264	-0.0090365	0.00919328	0.325632	0.581786	0.105158	3.16E-08	-0.0155324	0.0160493	0.333147	0.23218	4	0.81274067
ENSG00000273449	4	RP11-218F10.3	164450923	rs2119680	4	164457558	T	C	0.56163	-0.0060685	0.00824978	0.46198	-0.605162	0.0895788	1.42E-11	0.0100278	0.0137129	0.4646153	0.4543824	12	0.86904091
ENSG00000164106	4	SCRG1	174305852	rs13146434	4	174353004	C	G	0.552684	0.00186122	0.00819632	0.820362	-0.373726	0.0503193	1.11E-13	-0.0049802	0.0219416	0.820444	0.1927846	8	0.95990137
ENSG00000248174	4	RP11-148L24.1	175015811	rs75632645	4	175040059	C	T	0.105368	0.017567	0.0137513	0.201435	1.39804	0.146335	1.25E-21	0.0125654	0.00992367	0.2054381	0.7443135	13	0.70473911
ENSG00000249106	4	RP11-806K15.1	176711458	rs78640136	4	176721419	G	A	0.0447316	0.0536789	0.0178709	0.0026671	-1.2884	0.193296	2.64E-11	-0.0416632	0.015214	0.00617227	0.1549524	6	0.2764859
ENSG00000164122	4	ASB5	177134824	rs2046262	4	177150925	G	A	0.472167	-0.0017563	0.00807472	0.827813	0.630077	0.0914771	5.67E-12	-0.0027875	0.0128218	0.8278975	0.7803271	8	0.96159938
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.51575	0.0600767	9.10E-18	-0.0097881	0.0160492	0.5419417	0.4192826	9	0.88482484
ENSG00000251504	4	RP11-162G9.1	178650792	rs62339417	4	179155642	A	C	0.308151	0.00661757	0.00852894	0.43781	0.650757	0.113318	9.31E-09	0.010169	0.0132253	0.4419469	0.816073	15	0.86618806
ENSG00000271538	4	RP11-326I11.4	185427614	rs6552788	4	185460360	G	A	0.661034	-0.0038996	0.00825421	0.636611	-0.591989	0.0904121	5.84E-11	0.00658735	0.0139794	0.6374854	0.6652211	5	0.91818653
ENSG00000164306	4	PRIMPOL	185570767	rs12108497	4	185571557	T	C	0.291252	-0.0099329	0.008665	0.251659	0.410955	0.0746361	3.67E-08	-0.0241704	0.0215371	0.2617497	0.8329624	7	0.75562273
ENSG00000109775	4	UFSP2	186320694	rs12500107	4	186350063	T	C	0.714712	-0.0187382	0.00965242	0.0522216	0.826099	0.0715601	7.90E-31	-0.0226828	0.0118484	0.05556708	0.8443849	20	0.56298992
ENSG00000109794	4	FAM149A	187025573	rs4861705	4	187099852	A	G	0.593439	-0.0025811	0.00805107	0.748524	0.41112	0.0628037	5.91E-11	-0.0062781	0.0196067	0.748816	0.3456269	14	0.93546843
ENSG00000145476	4	CYP4V2	187112674	rs2292426	4	187120753	G	A	0.673956	-0.0077475	0.00868372	0.37229	-0.518277	0.0670102	1.04E-14	0.0149486	0.0168661	0.3754484	0.2589306	16	0.8319892
ENSG00000164344	4	KLKB1	187130133	rs56413992	4	187134194	T	C	0.17992	0.00360808	0.0119708	0.763104	0.643271	0.111791	8.70E-09	0.00560896	0.0186348	0.763419	0.6790179	6	0.94317813
ENSG00000248925	5	CTD-2083E4.6	269973	rs4957001	5	236932	A	T	0.745527	0.0129057	0.00948354	0.173559	0.724887	0.116399	4.74E-10	0.0178037	0.0133915	0.1836893	0.00407658	4	0.68184592
ENSG00000221990	5	C5orf55	441645	rs10065644	5	489979	C	G	0.0755467	0.0240108	0.014404	0.0955256	-0.645019	0.100459	1.36E-10	-0.037225	0.0230714	0.1066437	0.07213133	17	0.63886666
ENSG00000180104	5	EXOC3	443273	rs957791	5	430217	T	C	0.468191	0.0210534	0.00810507	0.00938901	-0.626052	0.0651385	7.18E-22	-0.0336288	0.0134108	0.01215573	0.4551354	20	0.34575992
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.959967	0.0850932	1.62E-29	0.00348892	0.00926375	0.7064554	0.2436892	20	0.92906635
ENSG00000066230	5	SLC9A3	473425	rs10474780	5	466075	C	G	0.634195	0.00348367	0.00889611	0.695357	0.676975	0.0819202	1.41E-16	0.00514594	0.0131557	0.6956821	0.2303067	20	0.92906635
ENSG00000188818	5	ZDHHC11	710471	rs6892391	5	793581	A	C	0.082505	-0.0189823	0.0197187	0.335721	0.827897	0.15042	3.71E-08	-0.0229283	0.0241794	0.3429972	0.1702915	3	0.8233267
ENSG00000249908	5	CTD-2589H19.4	767512	rs56129400	5	716207	A	T	0.153082	0.00232776	0.012057	0.84691	0.797086	0.133047	2.09E-09	0.00292034	0.0151342	0.8469881	0.8258239	7	0.96801944
ENSG00000215246	5	RP11-43F13.3	987295	rs6881081	5	997456	T	C	0.921471	-0.026049	0.0139749	0.0623232	0.87518	0.133049	4.77E-11	-0.0297642	0.0165968	0.07291352	0.6726025	8	0.58667734
ENSG00000145506	5	NKD2	1008944	rs882623	5	1029851	C	T	0.512922	0.0100473	0.00808286	0.213855	-0.462912	0.0723184	1.54E-10	-0.0217046	0.0177871	0.222373	0.05081117	20	0.72611201
ENSG00000249201	5	CTD-3080P12.3	1173256	rs4975535	5	1181630	T	C	0.435388	0.0026303	0.00813974	0.746586	-0.637612	0.100346	2.10E-10	-0.0041252	0.0127825	0.7469028	0.04843386	4	0.93473078
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.16454	0.0767224	4.90E-52	0.00350175	0.0071877	0.626126	0.7962603	20	0.91068846
ENSG00000232615	5	CTD-2012J19.1	1614951	rs55744954	5	1559517	T	C	0.208748	-0.0127842	0.00954887	0.180631	0.62854	0.10601	3.05E-09	-0.0203395	0.0155746	0.1915736	0.7930259	9	0.6860249
ENSG00000250490	5	CTD-2324F15.2	6310554	rs4701724	5	6365689	C	T	0.489066	0.00232657	0.00807896	0.773362	-0.514539	0.0715142	6.25E-13	-0.0045217	0.0157139	0.7735393	0.1861171	12	0.94792099
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-0.754819	0.0671963	2.81E-29	-0.000781	0.0107817	0.9422533	0.566755	20	0.98649544
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.396458	0.0589522	1.76E-11	-0.0121711	0.0206738	0.5560476	0.2566657	5	0.89196762
ENSG00000250786	5	SNHG18	9546312	rs59758866	5	9546372	G	C	0.300199	-0.0004098	0.0098573	0.966837	-0.476153	0.0643726	1.39E-13	0.00086069	0.0207023	0.9668376	0.5112486	4	0.98971304
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.697639	0.109433	1.83E-10	-0.0072825	0.0124066	0.5572156	0.9662881	3	0.89196762
ENSG00000271892	5	CTD-2228A4.1	17107469	rs632754	5	17145142	A	G	0.34493	-0.0007489	0.00880559	0.932227	0.658728	0.0831244	2.29E-15	-0.0011368	0.0133683	0.9322308	0.6197379	19	0.98468119
ENSG00000183666	5	GUSBP1	21341942	rs35915996	5	21571148	T	C	0.137177	-0.0239095	0.0144479	0.097949	1.36927	0.149569	5.45E-20	-0.0174615	0.0107225	0.1034222	0.5256057	20	0.63886666
ENSG00000272130	5	RP11-360I2.1	21569864	rs10050904	5	21532051	C	G	0.858847	0.0259994	0.0139589	0.062523	-1.41805	0.139419	2.67E-24	-0.0183346	0.0100074	0.06693614	0.2893975	20	0.57851705
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-1.05422	0.112344	6.36E-21	-0.0082001	0.00922264	0.3739347	0.4333504	7	0.8319892
ENSG00000242110	5	AMACR	33986283	rs6875926	5	34012492	C	T	0.50497	-0.0140479	0.00810896	0.0832032	0.463279	0.0513863	1.96E-19	-0.0303228	0.0178236	0.08889254	0.789509	20	0.61192083
ENSG00000250155	5	CTD-2353F22.1	36666316	rs1025288	5	36702864	A	C	0.352883	-0.0077373	0.00871993	0.374911	0.591759	0.0838773	1.73E-12	-0.0130751	0.0148517	0.3786553	0.7748927	7	0.8319892
ENSG00000272335	5	RP11-53O19.3	44826178	rs13154729	5	44892929	T	C	0.627237	-0.0187902	0.00831	0.0237493	0.413207	0.0713067	6.84E-09	-0.0454741	0.0215878	0.03516362	0.8934494	9	0.47347013
ENSG00000247796	5	CTD-2366F13.1	52405672	rs62359378	5	52414791	A	G	0.324056	0.00720601	0.00858943	0.401503	0.514233	0.076574	1.87E-11	0.0140131	0.0168332	0.4051446	0.06670485	9	0.84621335
ENSG00000155542	5	SETD9	56205087	rs77112307	5	56247528	T	G	0.162028	0.00574202	0.0106677	0.590397	-1.07768	0.0877492	1.14E-34	-0.0053281	0.00990827	0.5907524	0.1262903	20	0.90196409
ENSG00000178722	5	C5orf64	60933535	rs153379	5	61002805	A	T	0.331014	-0.0051426	0.00921721	0.576891	-0.288308	0.0498127	7.13E-09	0.0178371	0.0321182	0.5786498	0.03815457	4	0.89936772
ENSG00000113593	5	PPWD1	64859063	rs6891955	5	64838758	C	G	0.393638	-0.0098715	0.00839654	0.239731	0.426779	0.0588731	4.19E-13	-0.0231302	0.0199313	0.2458462	0.8174199	17	0.73886258
ENSG00000253203	5	GUSBP3	68790040	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.790046	0.105092	5.58E-14	-0.0101493	0.013638	0.4567569	0.8198568	3	0.86904091
ENSG00000226259	5	GTF2H2B	69711179	rs10058698	5	70670771	C	A	0.636183	-0.0136879	0.00860533	0.111693	-1.02062	0.104351	1.36E-22	0.0134114	0.00854225	0.1164142	0.00546368	6	0.64371605
ENSG00000253333	5	RP11-497H16.8	69790927	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.835889	0.0918938	9.35E-20	-0.0095927	0.01287	0.4560564	0.03077828	7	0.86904091
ENSG00000172058	5	SERF1A	70196492	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.893992	0.112283	1.69E-15	-0.0089693	0.0120459	0.4565174	0.02497625	5	0.86904091
ENSG00000145736	5	GTF2H2	70330784	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.864057	0.120163	6.45E-13	0.0232464	0.0110522	0.03543783	0.1038907	3	0.47347013
ENSG00000230847	5	RP11-195E2.1	70370052	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.822876	0.111586	1.65E-13	0.0244098	0.0115809	0.03505172	0.07082567	3	0.47347013
ENSG00000164338	5	UTP15	72861268	rs343118	5	72876776	A	C	0.269384	-0.0189607	0.00878342	0.0308738	-0.461821	0.074198	4.84E-10	0.0410564	0.0201305	0.04139906	0.891028	8	0.5319152
ENSG00000164347	5	GFM2	74017029	rs17647023	5	74062358	T	G	0.250497	-0.0041215	0.00887082	0.642211	-0.32637	0.0489326	2.56E-11	0.0126282	0.0272461	0.6430164	0.9439107	3	0.91818653
ENSG00000164346	5	NSA2	74062817	rs6861935	5	74155991	C	T	0.134195	-0.0152412	0.0125928	0.22616	1.04941	0.0866393	9.08E-34	-0.0145236	0.0120596	0.2284685	0.1140322	16	0.72889676
ENSG00000164253	5	WDR41	76721795	rs335632	5	76728085	T	C	0.847913	-0.0043869	0.0116593	0.706724	0.719311	0.0971289	1.30E-13	-0.0060988	0.0162299	0.7070838	0.5628041	9	0.92906635
ENSG00000164300	5	SERINC5	79407050	rs35820499	5	79456087	C	T	0.170974	0.00598193	0.0106485	0.574278	0.261309	0.0476675	4.21E-08	0.0228922	0.040964	0.5762736	0.6702877	3	0.89882852
ENSG00000228716	5	DHFR	79922047	rs1382542	5	79953581	C	T	0.253479	0.00855545	0.00984449	0.384814	-0.621624	0.0667295	1.21E-20	-0.0137631	0.0159055	0.3868728	0.4547429	20	0.8319892
ENSG00000247572	5	CKMT2-AS1	80499903	rs28464111	5	80613197	C	T	0.181909	-0.0139264	0.0100974	0.167828	1.12435	0.125311	2.90E-19	-0.0123862	0.00908614	0.1728209	0.4304063	12	0.67238185
ENSG00000248794	5	CTD-2248H3.1	80538149	rs59132806	5	80536510	C	T	0.195825	-0.0114464	0.00986727	0.246035	0.881557	0.122576	6.39E-13	-0.0129843	0.0113377	0.2521118	0.1675524	7	0.7403233
ENSG00000152348	5	ATG10	81267844	rs4081859	5	81466669	A	G	0.767396	-0.0050605	0.0099002	0.609242	-0.797391	0.105765	4.73E-14	0.00634637	0.0124442	0.6100623	0.4354333	20	0.90506093
ENSG00000186468	5	RPS23	81569177	rs6894520	5	81594748	T	C	0.299205	0.00526538	0.00872416	0.546149	-0.534323	0.0594414	2.49E-19	-0.0098543	0.0163643	0.5470515	0.4901996	20	0.88795008
ENSG00000205464	5	ATP6AP1L	81575281	rs6870335	5	81590070	T	A	0.298211	0.00567532	0.00871423	0.514872	0.756669	0.0738071	1.16E-24	0.0075004	0.0115398	0.5157179	0.682355	20	0.87134983
ENSG00000249664	5	CTD-2227C6.2	82308104	rs2075685	5	82372665	T	G	0.461233	0.00295002	0.008075	0.714867	0.815144	0.10138	8.95E-16	0.00361902	0.00991645	0.715148	0.00270094	18	0.92906635
ENSG00000247828	5	TMEM161B-AS1	87564712	rs78909929	5	87639971	G	A	0.257455	0.0215781	0.00893427	0.0157264	0.693756	0.0716993	3.82E-22	0.0311033	0.0132732	0.01911357	0.1485111	12	0.39297047
ENSG00000271904	5	CTC-498M16.4	87729709	rs7444298	5	87730027	G	A	0.262425	-0.0102606	0.0101678	0.312913	0.682215	0.100463	1.12E-11	-0.0150401	0.0150678	0.3181991	0.00078039	15	0.79207218
ENSG00000243806	5	CTC-484P3.1	94161666	rs153896	5	94153920	A	C	0.928429	0.00978203	0.0125712	0.436494	-0.896732	0.154871	7.03E-09	-0.0109085	0.0141449	0.4405899	0.7673693	17	0.86618806
ENSG00000198677	5	TTC37	94799599	rs73145973	5	94800700	C	T	0.176938	0.00353542	0.0124845	0.777034	0.339658	0.0598916	1.42E-08	0.0104088	0.0368019	0.7773053	0.9768443	4	0.94799946
ENSG00000153113	5	CAST	95860971	rs4267886	5	95997266	C	T	0.151093	0.0144531	0.0116838	0.216078	0.474779	0.0605171	4.32E-15	0.0304417	0.024913	0.2217362	0.6606233	9	0.72543325
ENSG00000164307	5	ERAP1	96096521	rs13160562	5	96111371	A	G	0.327038	-0.0144342	0.00906573	0.111345	-0.614061	0.0597004	8.17E-25	0.0235061	0.0149394	0.1156187	0.2432594	20	0.64371605
ENSG00000164308	5	ERAP2	96211643	rs2927608	5	96252432	A	G	0.426441	-0.0050424	0.00809512	0.533353	1.12722	0.0706318	2.46E-57	-0.0044733	0.00718696	0.533665	0.163928	20	0.88150043
ENSG00000145777	5	TSLP	110405760	rs3806932	5	110405675	G	A	0.462227	-0.0108432	0.00808819	0.180042	-0.666163	0.0893509	8.95E-14	0.0162771	0.0123362	0.1870154	0.7181596	11	0.68577349
ENSG00000145781	5	COMMD10	115420688	rs59583434	5	115423985	G	C	0.139165	-0.0101939	0.010604	0.336388	0.567867	0.0891903	1.93E-10	-0.0179512	0.018885	0.3418319	0.1718453	20	0.8233267
ENSG00000064652	5	SNX24	122179134	rs35873908	5	122399706	C	T	0.0298211	0.00151629	0.0256491	0.952859	-0.670526	0.119459	1.99E-08	-0.0022613	0.0382543	0.9528618	0.9146671	8	0.98752211
ENSG00000164241	5	C5orf63	126378250	rs4835921	5	126313467	C	T	0.470179	-0.0056889	0.0081224	0.48368	-0.390933	0.0695402	1.89E-08	0.0145521	0.0209376	0.4870409	0.5575212	6	0.87134983
ENSG00000245937	5	CTC-228N24.3	127276118	rs6888037	5	127406259	T	G	0.787276	-0.0140368	0.0111572	0.208359	0.40185	0.0490574	2.58E-16	-0.0349304	0.0280901	0.2136791	0.00079548	10	0.71114551
ENSG00000113396	5	SLC27A6	127873706	rs2526246	5	128301824	A	T	0.360835	-0.0046702	0.00881299	0.596166	-0.426246	0.065368	7.00E-11	0.0109566	0.020744	0.5973737	0.3573973	20	0.90357711
ENSG00000131435	5	PDLIM4	131593364	rs10463891	5	131597392	G	A	0.605368	0.00898581	0.00806501	0.265205	-0.258024	0.0454983	1.42E-08	-0.0348255	0.0318543	0.2742742	0.3122393	11	0.76501365
ENSG00000233006	5	AC034220.3	131646978	rs441969	5	131702120	A	G	0.593439	0.00504333	0.00807987	0.532507	0.813638	0.0798871	2.32E-24	0.00619849	0.00994918	0.5332742	0.6689104	20	0.88150043
ENSG00000197536	5	C5orf56	131746328	rs2706386	5	131832687	T	C	0.654076	-0.0017075	0.00861884	0.842959	0.429234	0.062459	6.32E-12	-0.003978	0.0200879	0.8430232	0.2662047	6	0.96762815
ENSG00000164615	5	CAMLG	134074191	rs12657663	5	134076812	A	G	0.133201	0.00532909	0.0101822	0.600716	0.885439	0.0913609	3.27E-22	0.00601859	0.0115164	0.6012445	0.708658	11	0.90357711
ENSG00000112981	5	NME5	137450866	rs17637720	5	137475056	G	T	0.0258449	-0.0396073	0.0253388	0.118027	-1.12674	0.191784	4.23E-09	0.0351521	0.0232709	0.130901	0.9238975	8	0.6594625
ENSG00000253404	5	AC034243.1	138080123	rs13188082	5	138251689	A	G	0.270378	0.0287092	0.00867935	0.00094046	0.971361	0.101792	1.39E-21	0.0295556	0.00945683	0.00177609	0.4454022	20	0.19228317
ENSG00000213523	5	SRA1	139916925	rs3733681	5	139914758	G	A	0.714712	0.00669406	0.00834215	0.422299	0.41542	0.0592711	2.40E-12	0.016114	0.0202124	0.4253173	0.3452507	13	0.86052417
ENSG00000120322	5	PCDHB8	140557371	rs652104	5	140626571	A	C	0.23161	0.00864031	0.00959521	0.367864	0.701556	0.116596	1.78E-09	0.0123159	0.0138294	0.3731633	0.1640425	4	0.8319892
ENSG00000253731	5	PCDHGA6	140753651	rs6895700	5	140756668	G	A	0.0467197	0.011902	0.0153056	0.436792	-0.725263	0.130636	2.83E-08	-0.0164106	0.0213095	0.4412368	0.1170722	3	0.86618806
ENSG00000133706	5	LARS	145492601	rs13175806	5	145472399	A	G	0.251491	0.0142948	0.00862348	0.0973868	0.764286	0.0843031	1.24E-19	0.0187035	0.0114701	0.1029691	0.8106218	10	0.63886666
ENSG00000254333	5	CTC-367J11.1	149855094	rs3846703	5	149857460	T	C	0.0725646	0.0225751	0.014915	0.130131	1.46755	0.203108	4.99E-13	0.0153828	0.0103838	0.1384923	0.7220953	5	0.66149748
ENSG00000197083	5	ZNF300P1	150310207	rs17800987	5	150323428	G	A	0.115308	0.0160517	0.0132865	0.227001	1.30651	0.146363	4.40E-19	0.0122859	0.0102622	0.2312263	0.04878492	19	0.72946392
ENSG00000260581	5	CTB-113P19.4	151031836	rs357618	5	150846612	G	A	0.385686	0.00048785	0.00828597	0.95305	0.640446	0.0995754	1.26E-10	0.00076174	0.0129384	0.953052	0.7123411	6	0.98752211
ENSG00000213433	5	RP11-54C4.1	151145420	rs6890099	5	151151962	G	A	0.263419	-0.0281543	0.00873166	0.00126238	-0.772564	0.0863391	3.62E-19	0.0364427	0.0120136	0.00241771	0.03494893	20	0.2135643
ENSG00000164574	5	GALNT10	153570290	rs890793	5	153573938	T	C	0.384692	-0.0184499	0.00853329	0.0306098	-0.404844	0.0682054	2.93E-09	0.0455729	0.0224328	0.04220129	0.4741339	20	0.53895623
ENSG00000155508	5	CNOT8	154237113	rs13164115	5	154324331	C	G	0.0924453	0.00907818	0.0122866	0.459985	-0.36978	0.0638922	7.14E-09	-0.0245502	0.0334965	0.4636073	0.1496611	10	0.86904091
ENSG00000251405	5	CTB-109A12.1	156789623	rs2863746	5	156917825	A	G	0.0894632	0.011604	0.0138324	0.401524	0.756744	0.0999609	3.72E-14	0.0153341	0.0183907	0.4043958	0.6682124	14	0.84548234
ENSG00000247699	5	CTB-127C13.1	159622751	rs10077980	5	159614339	T	C	0.228628	0.0103207	0.00979936	0.29225	0.522599	0.071493	2.68E-13	0.0197488	0.0189448	0.2972092	0.6926212	12	0.78165962
ENSG00000253978	5	CTB-178M22.2	167656588	rs62385563	5	167679824	C	T	0.609344	-0.0078272	0.00841778	0.352455	-0.441233	0.075798	5.84E-09	0.0177393	0.0193197	0.358516	0.7865791	8	0.82820583
ENSG00000145936	5	KCNMB1	169801675	rs6878302	5	169921909	C	T	0.38171	0.00334699	0.00835855	0.688843	0.419288	0.0739451	1.43E-08	0.00798256	0.0199848	0.6895747	0.8374303	3	0.92906635
ENSG00000174705	5	SH3PXD2B	171752185	rs1982069	5	171864200	T	C	0.4334	-0.0092989	0.00833885	0.264794	0.329126	0.0594581	3.10E-08	-0.0282533	0.0258454	0.2743195	0.1874826	5	0.76501365
ENSG00000113734	5	BNIP1	172571445	rs72816171	5	172595998	T	G	0.117296	-0.005789	0.0131192	0.659024	-0.602687	0.0969571	5.10E-10	0.00960533	0.0218226	0.659825	0.2564463	6	0.92576373
ENSG00000051596	5	THOC3	175344876	rs7735794	5	175339984	A	G	0.251491	-0.0153684	0.00915199	0.0931044	0.667802	0.0841291	2.06E-15	-0.0230134	0.014008	0.1004074	0.4039601	3	0.63886666
ENSG00000213347	5	MXD3	176728462	rs11952102	5	176740704	A	G	0.763419	0.00682259	0.00878806	0.437543	-0.425673	0.0715832	2.74E-09	-0.0160278	0.0208203	0.4414097	0.3329332	15	0.86618806

ENSG00000272459	5	RP11-1277A3.3	176981825	rs62398471	5	176980904	A	G	0.270378	-0.002544	0.00898252	0.777011	0.907488	0.112776	8.50E-16	-0.0028033	0.00990435	0.777145	0.3844094	4	0.94799946
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.828632	0.0673862	9.43E-35	0.0173387	0.0100632	0.08489062	0.3058638	20	0.59790071
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	0.93592	0.093322	1.14E-23	0.0176221	0.00914516	0.05398766	0.7378917	20	0.56298992
ENSG00000170089	5	RP11-423H2.1	177236408	rs10464110	5	177352825	A	G	0.600398	-0.00099	0.00829715	0.90502	-0.601303	0.0928687	9.50E-11	0.00164649	0.013801	0.9050358	0.3410168	7	0.97813375
ENSG00000250420	5	AACSP1	178191862	rs11249588	5	178262853	C	T	0.317097	0.00229777	0.0086656	0.790886	-0.562584	0.083574	1.68E-11	-0.0040843	0.0154152	0.7910445	0.9605511	17	0.95149298
ENSG00000178187	5	ZNF454	178368192	rs59955497	5	178398631	T	C	0.286282	-0.0027412	0.00871929	0.753229	0.620753	0.0848793	2.61E-13	-0.0044159	0.0140593	0.7534493	0.9913836	20	0.93794041
ENSG00000127022	5	CANX	179105629	rs13182141	5	179126632	T	C	0.489066	0.00894625	0.00806981	0.267599	-0.371987	0.0505088	1.77E-13	-0.0240499	0.0219382	0.2729663	0.2003761	14	0.76501365
ENSG00000161010	5	C5orf45	179261436	rs10277	5	179264731	C	T	0.518887	-0.0154053	0.0082913	0.0631684	-0.436127	0.0481047	1.23E-19	0.035323	0.0194063	0.06873195	0.6721647	20	0.58120163
ENSG00000197226	5	TBC1D9B	179289066	rs272441	5	179301260	G	A	0.884692	-0.0021476	0.0151594	0.887341	0.951852	0.115619	1.83E-16	-0.0022563	0.0159286	0.8873568	0.9901644	6	0.97813375
ENSG00000168903	5	BTNL3	180415845	rs72494581	5	180430797	C	T	0.322068	-0.0104168	0.00852149	0.221551	0.853459	0.0987842	5.64E-18	-0.0122054	0.0100841	0.2261407	0.6694473	20	0.7274936
ENSG00000248275	5	TRIM52-AS1	180688213	rs2545073	5	180710261	C	T	0.270378	0.00594065	0.0090054	0.509462	-0.951756	0.0709786	5.35E-41	-0.0062418	0.00947332	0.5099731	0.1758721	20	0.87134983
ENSG00000272463	6	RP11-532F6.3	708592	rs2244443	6	711150	C	A	0.707753	-0.006699	0.00912033	0.462634	0.710753	0.100971	1.93E-12	-0.0094252	0.0129016	0.4650549	0.219027	13	0.86904091
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.20277	0.0976555	7.39E-35	0.00712789	0.00826619	0.3885257	0.8133397	20	0.8319892
ENSG00000164385	6	C6orf195	2622147	rs7750686	6	2625101	C	G	0.483101	-0.0163518	0.00805948	0.0424698	0.645064	0.109448	3.77E-09	-0.0253491	0.0132136	0.05505984	0.1390745	5	0.56298992
ENSG00000145949	6	MYLK4	2663863	rs67462420	6	2765697	G	A	0.299205	-0.0094609	0.00852273	0.266968	0.479583	0.0831981	8.20E-09	-0.0197272	0.0180977	0.2756936	0.3719584	5	0.76501365
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.928648	0.100637	2.77E-20	-0.0028637	0.00885087	0.7462786	0.2136606	11	0.93473078
ENSG00000124588	6	NQO2	2988221	rs3863211	6	2979036	A	C	0.493042	0.00443374	0.00807898	0.583143	0.44372	0.0637375	3.36E-12	0.0099922	0.0182639	0.5843086	0.3291257	20	0.90118119
ENSG00000272277	6	RP1-40E16.12	3068279	rs12196777	6	3064523	T	C	0.543738	-0.0040956	0.00823932	0.619133	-0.650778	0.111152	4.77E-09	0.00629338	0.0127063	0.6203906	0.8873052	9	0.91003736
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	0.770113	0.0772944	2.20E-23	0.00467126	0.0132613	0.7246521	0.08689973	14	0.9314019
ENSG00000137267	6	TUBB2A	3153903	rs9405612	6	3144113	T	C	0.692843	-0.0151775	0.00868954	0.0806993	-0.22663	0.0359737	2.98E-10	0.0669704	0.0397888	0.09234641	0.2530223	10	0.61192083
ENSG00000180822	6	PSMG4	3231637	rs4292566	6	3267246	C	T	0.841948	0.00957777	0.0116876	0.412512	0.741058	0.0954656	8.32E-15	0.0129245	0.0158591	0.4150994	0.07215957	18	0.8550524
ENSG00000228793	6	RP1-223B1.1	3594481	rs226950	6	3716413	A	G	0.675944	0.012455	0.00884688	0.159179	0.664838	0.0803141	1.25E-16	0.0187339	0.0134979	0.1651638	0.2292866	17	0.67206767
ENSG00000198721	6	ECI2	4115923	rs613709	6	4120683	A	G	0.332008	-0.0028872	0.00928731	0.755896	-0.362019	0.0497327	3.36E-13	0.00797522	0.0256776	0.7561119	0.9886966	20	0.94013468
ENSG00000124783	6	SSR1	7268539	rs72818961	6	7297674	C	T	0.0347913	-0.0271692	0.0285434	0.34117	-0.844318	0.135423	4.53E-10	0.0321789	0.0341982	0.346729	0.9245247	9	0.8233267
ENSG00000124784	6	RIOK1	7389729	rs35596611	6	7429648	T	A	0.353877	0.00567007	0.00847023	0.503233	-0.416572	0.067142	5.49E-10	-0.0136113	0.0204512	0.5056995	0.8520585	20	0.87134983
ENSG00000272097	6	RP11-421M1.8	10743557	rs545383	6	10744326	C	T	0.38171	0.00365372	0.00825927	0.658215	-0.45462	0.0824129	3.46E-08	-0.0080369	0.0182257	0.6592402	0.03685214	5	0.92555578
ENSG00000230314	6	ELOVL2-AS1	11043757	rs4713169	6	11084554	C	G	0.428429	0.0186776	0.00813007	0.0215988	-0.441751	0.07564	5.21E-09	-0.0422808	0.0197769	0.0325259	0.5384669	11	0.47347013
ENSG00000145979	6	TBC1D7	13266774	rs398151	6	13281628	C	A	0.694831	0.0136385	0.00837176	0.10329	-0.497512	0.0755627	4.58E-11	-0.0274134	0.0173347	0.1137825	0.9322951	20	0.64371605
ENSG00000050393	6	MCUR1	13786789	rs6904811	6	13777936	A	G	0.33002	0.0182208	0.0083637	0.029365	0.353968	0.0602365	4.20E-09	0.0514758	0.0252	0.04108253	0.1107364	10	0.53106685
ENSG00000047579	6	DTNBP1	15523032	rs1047631	6	15523101	C	T	0.148111	-0.0058362	0.0111719	0.601392	0.437191	0.0732172	2.36E-09	-0.0133493	0.0256514	0.602777	0.4501622	8	0.90357711
ENSG00000228412	6	RP4-625H18.2	19802395	rs7750716	6	19804839	T	C	0.125249	0.0145471	0.013249	0.272217	0.764918	0.101099	3.85E-14	0.0190179	0.0175022	0.2772158	0.05716642	9	0.76722911
ENSG00000124532	6	MRS2	24403153	rs62401892	6	24427088	T	C	0.147117	0.00603353	0.0112853	0.592901	-0.590207	0.0981904	1.85E-09	-0.0102227	0.0191964	0.5943563	0.4266407	8	0.90196409
ENSG00000111802	6	TDP2	24650205	rs3087943	6	24650761	G	A	0.17992	-0.0008513	0.0125595	0.945957	-0.445381	0.0675085	4.18E-11	0.0019115	0.0282009	0.9459596	0.2324003	4	0.98722657
ENSG00000272462	6	U91328.19	25992890	rs1436309	6	25970109	A	T	0.461233	-0.0004195	0.00811547	0.958776	-0.390815	0.0652994	2.16E-09	0.00107335	0.0207663	0.958778	0.1580046	20	0.98791053
ENSG00000186470	6	BTN3A2	26365387	rs9393703	6	26356951	C	T	0.112326	-0.0691409	0.0145391	1.98E-06	-1.09149	0.132803	2.05E-16	0.0633454	0.0153895	3.85E-05	0.0102911	20	0.08167287
ENSG00000124508	6	BTN2A2	26383324	rs9467740	6	26383250	T	A	0.183897	-0.004207	0.0104269	0.686602	0.708452	0.0964512	2.05E-13	-0.0059382	0.0147401	0.6870486	0.01598358	13	0.92906635
ENSG00000181315	6	ZNF322	26636518	rs9461288	6	26671135	C	T	0.377734	0.0164744	0.00843058	0.0506862	-0.557416	0.0690787	7.07E-16	-0.0295549	0.0155616	0.05753462	0.00591922	20	0.56298992
ENSG00000241549	6	GUSBP2	26839263	rs9366675	6	26936723	T	C	0.143141	0.00559943	0.0119593	0.639638	-0.746138	0.127538	4.91E-09	-0.0075046	0.0160795	0.6407039	0.7642382	4	0.91818653
ENSG00000124613	6	ZNF391	27342394	rs980960	6	27361042	G	A	0.749503	-0.0055446	0.00847278	0.512855	0.642829	0.0647912	3.36E-23	-0.0086253	0.0132091	0.5137697	0.0996874	20	0.87134983
ENSG00000219392	6	RP1-265C24.5	28083406	rs112615652	6	28075911	A	G	0.197813	-0.0344652	0.01037	0.00088877	-0.768261	0.0894675	8.92E-18	0.0448613	0.0144738	0.00193853	0.05219431	20	0.19228317
ENSG00000216901	6	AL022393.7	28143966	rs1233696	6	28143010	C	T	0.374751	-0.0219315	0.00881407	0.0128378	1.0676	0.092013	3.99E-31	-0.0205428	0.00844368	0.01497756	0.00044736	20	0.37355797
ENSG00000197062	6	RP5-874C20.3	28234788	rs2394049	6	28239681	G	A	0.403579	-0.0294714	0.00853373	0.00055333	-0.436302	0.0617548	1.61E-12	0.0675482	0.0217709	0.00191779	0.230984	20	0.19228317
ENSG00000235109	6	ZSCAN31	28292470	rs213238	6	28321993	C	T	0.363817	-0.0286459	0.0086988	0.00099092	0.60244	0.0867306	3.76E-12	-0.0475498	0.0159798	0.00292398	0.571013	20	0.22516974
ENSG00000187987	6	ZSCAN23	28399707	rs2531806	6	28417152	A	C	0.45825	-0.0241436	0.00831381	0.00368383	0.48839	0.0867219	1.78E-08	-0.0494351	0.0191529	0.00984921	0.08007707	10	0.32625505
ENSG00000214922	6	HLA-F-AS1	29694378	rs1736986	6	29767880	A	G	0.265408	-0.0045418	0.00976256	0.641772	-0.541404	0.0925034	4.83E-09	0.00838887	0.0180888	0.6428193	0.7677497	20	0.91818653
ENSG00000176998	6	HCG4	29758816	rs1610703	6	29781613	A	T	0.311133	-0.0024632	0.00949206	0.79525	-0.717023	0.0964488	1.05E-13	0.0034353	0.0132462	0.7953713	0.8646595	20	0.95149298
ENSG00000204632	6	HLA-G	29794744	rs73725536	6	29915106	G	A	0.0984095	-0.0193785	0.0156029	0.214244	0.752407	0.13496	2.47E-08	-0.0257553	0.0212457	0.2254116	0.2065488	14	0.72732657
ENSG00000230521	6	HCG4P7	29855071	rs9260639	6	29923423	T	C	0.159046	-0.0013595	0.0121516	0.910922	-0.961751	0.104974	5.10E-20	0.00141354	0.0126358	0.9109285	0.1490525	20	0.97813375
ENSG00000206341	6	HLA-H	29855350	rs72838640	6	29843076	A	G	0.111332	-0.0130987	0.014241	0.357684	0.882458	0.132429	2.67E-11	-0.0148434	0.0162909	0.3622169	0.4440631	20	0.82820583
ENSG00000230795	6	HLA-K	29894236	rs2735076	6	29943490	G	A	0.782306	0.00451941	0.011057	0.682732	-1.01889	0.114457	5.49E-19	-0.0044356	0.0108634	0.6830481	0.0871708	20	0.92906635
ENSG00000228078	6	HLA-U	29901878	rs2517827	6	29832846	A	C	0.252485	0.0011343	0.0101916	0.91138	0.726734	0.129288	1.90E-08	0.00156082	0.0140266	0.9113977	0.1323633	12	0.97813375
ENSG00000235290	6	HLA-W	29924373	rs55799039	6	29816641	G	A	0.0944334	-0.0151162	0.0142161	0.287637	1.08288	0.159717	1.20E-11	-0.0139593	0.0132885	0.2934997	0.6358675	20	0.78165962
ENSG00000204623	6	ZNRD1-AS1	29968788	rs150853727	6	29994190	A	G	0.0318091	0.0104504	0.0277511	0.706488	-0.834802	0.13017	1.43E-10	-0.0125184	0.0333	0.70697	0.7242848	20	0.92906635
ENSG00000237669	6	HCG4P3	29973898	rs3132684	6	29990708	G	A	0.688867	-0.0070165	0.00951784	0.461008	0.62338	0.102161	1.05E-09	-0.0112555	0.0153791	0.4642493	0.6680016	20	0.86904091
ENSG00000204622	6	HLA-J	29974360	rs9260599	6	29922653	C	A	0.631213	0.0126245	0.00830728	0.128589	0.869272	0.0974027	4.48E-19	0.0145231	0.00969416	0.1341004	0.1835817	20	0.66089262
ENSG00000204618	6	RNF39	30038043	rs2285805	6	30042861	G	C	0.0447316	0.0138512	0.0245041	0.571896	1.08332	0.150824	6.84E-13	0.0127859	0.0226894	0.5730821	0.9436338	20	0.89837656
ENSG00000270604	6	HCG17	30201816	rs9261599	6	30214146	T	G	0.44831	-0.006597	0.00808772	0.414687	-0.517666	0.08573	1.56E-09	0.0127436	0.0157653	0.4188988	0.3752001	4	0.8550524
ENSG00000228022	6	HCG20	30734602	rs7740474	6	30760948	G	A	0.431412	0.00283087	0.0086631	0.743839	-0.736393	0.10424	1.61E-12	-0.0038442	0.0117768	0.7441034	0.0051575	5	0.93473078
ENSG00000213780	6	GTF2H4	30875961	rs116096485	6	30702531	T	C	0.0168986	0.0237431	0.0432509	0.58303	1.73741	0.317762	4.56E-08	0.0136658	0.0250191	0.5849176	0.4811543	4	0.90118119
ENSG00000137411	6	VARS2	30876019	rs2532930	6	30895725	A	G	0.355865	-0.0097844	0.00827999	0.237326	0.605915	0.0593978	1.96E-24	-0.0161482	0.0137566	0.2404562	0.00773123	20	0.73347791
ENSG00000204540	6	PSORS1C1	31082527	rs3095300	6	31082476	T	C	0.181909	-0.0311458	0.0116549	0.00753234	-0.931838	0.109349	1.57E-17	0.0334241	0.013108	0.01077549	0.5311551	20	0.32999651
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	1.38307	0.140268	6.19E-23	0.0021191	0.00805712	0.7925435	0.9586983	20	0.95149298
ENSG00000272501	6	XXbac-BPG299F13.1	31162977	rs9357111	6	31147916	T	C	0.385686	0.00993767	0.00806283	0.217752	-0.409931	0.0615325	2.70E-11	-0.0242423	0.0200025	0.225527	0.5077901	20	0.72732657
ENSG00000206344	6	HCG27	31165537	rs6919603	6	31175912	G	A	0.326044	0.00103411	0.00828268	0.900641	0.505462	0.0911425	2.93E-08	0.00204587	0.0163905	0.9006657	0.8973327	20	0.97813375
ENSG00000204525	6	HLA-C	31236526	rs2524105	6	31232910	C	G	0.409543	0.0111684	0.00811638	0.168813	-0.610281	0.057981	6.59E-26	-0.0183004	0.0134126	0.1724348	0.3041512	20	0.67238185
ENSG00000272221	6	XXbac-BPG181B23.	31362066	rs372378805	6	31363745	A	C	0.289264	-0.0065469	0.00871263	0.452399	-0.764546	0.0889622	8.40E-18	0.00856306	0.0114393	0.4541196	0.2342589	20	0.86904091
ENSG00000204520	6	MICA	31371356	rs9295996	6	31390558	G	T	0.299205	-0.0110579	0.00850824	0.193714	-0.620225	0.0654471	2.62E-21	0.0178289	0.0138464	0.1978793	0.05839328	20	0.69454324
ENSG00000204516	6	MICB	31462658	rs2894221	6	31461771	A	T	0.363817	-0.0062668	0.00843912	0.457729	0.382354	0.0612794	4.39E-10	-0.0163901	0.0222272	0.4608859	0.2905782	11	0.86904091
ENSG00000204463	6	BAG6	31606805	rs707919	6	31641139	G	A	0.328032	0.0237043	0.00894811	0.00807086	0.41888	0.0696532	1.81E-09	0.0565897	0.0233427	0.01533799	0.1364463	10	0.37809929
ENSG00000204428	6	LY6G5C	31644461	rs4569	6	31637807	T	C	0.295229	-0.0200851	0.0082797	0.0152736	-0.749737	0.0797903	5.65E-21	0.0267895	0.0114056	0.01883337	0.02275809	18	0.39297047
ENSG00000204351	6	SKIV2L	31926857	rs389512	6	31947594	C	G	0.141153	0.0286202	0.0154248	0.0635287	0.75283	0.0851969	9.89E-19	0.0380168	0.0209359	0.06939098	0.4832732	15	0.58145801
ENSG00000244731	6	C4A	31949801	rs2647019	6	32663355	C	G	0.10338	-0.0335473	0.0134428	0.0125756	-0.691596	0.0993562	3.38E-12	0.0485071	0.0206488	0.01881643	0.8307928	20	0.39297047
ENSG00000204338	6	CYP21A1P	31973413	rs535777	6	32577633	C	G	0.106362	-0.0260153	0.0132066	0.0488529	-0.964223	0.137216	2.11E-12	0.0269806	0.0142246	0.05786037	0.3744639	20	0.56298992
ENSG00000231852	6	CYP21A2	32006042	rs9267659	6	31846234	G	A	0.808151	0.00254877	0.00925391	0.78299	0.553464	0.0916911	1.58E-09	0.00460512	0.0167374	0.7832087	0.02528089	20	0.9484432
ENSG00000198502	6	HLA-DRB5	32485120	rs35083819	6	32526526	G	A	0.852883	-0.0208016	0.0113742	0.0674249	-1.23872	0.100974	1.35E-34	0.0167928	0.00928369	0.07047417	0.5372909	20	0.58411197
ENSG00000229391	6	HLA-DRB6	32520490	rs9271601	6	32591337	T	A	0.400596	0.00710758	0.00834633	0.394446	0.818994	0.0790396	3.70E-25	0.00867843	0.0102253	0.3960371	0.08680233	20	0.83797147
ENSG00000196126	6	HLA-DRB1	32546546	rs9270648	6	32565807	C	A	0.729622	0.00488073	0.00854338	0.567805	-0.358491	0.0577021	5.21E-10	-0.0136147	0.023932	0.5694322	0.4863729	20	0.89464047
ENSG00000179344	6	HLA-DQB1	32627244	rs9273346	6	32623475	G	C	0.429423	-0.0055972	0.00808607	0.488812	-0.803428	0.0764509	7.85E-26	0.00696661	0.0100863	0.4897526	1	20	0.87134983
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs1130456	6	32627379	C	T	0.744533	-0.0264587	0.00917618	0.00393396	-0.876962	0.101018	3.92E-18	0.0301709	0.0110257	0.00621118	0.3318986	20	0.2764859
ENSG00000237541	6	HLA-DQA2	32709119	rs9272358	6	32604538	A	G	0.370775	-0.0062262	0.00858014	0.46805	0.943255	0.0885128	1.62E-26	-0.0066008	0.00911737	0.469079	0.7332568	20	0.86904091
ENSG00000232629	6	HLA-DQB2	32723875	rs9274557	6	32634887	T	G	0.494036	-0.0052638	0.00809046	0.515294	0.970235	0.0834426	2.98E-31	-0.0054253	0.0083517	0.5159501	1	20	0.87134983
ENSG00000241106	6	HLA-DOB	32780540	rs2621326	6	32783896	A	G	0.440358	-0.0062316	0.00806924	0.43996	-0.911574	0.0994815	5.04E-20	0.00683604	0.00888337	0.441577	0.061709	20	0.86618806
ENSG00000204267	6	TAP2	32789610	rs2071544	6	32806121	C	T	0.482107	0.0126347	0.00810004	0.118801	0.364905	0.0593351	7.75E-10	0.0346246	0.0229005	0.1305448	0.028404	13	0.6594625
ENSG00000224557	6	HLA-DPB2	33080228	rs9277928	6	33128460	T	G	0.218688	0.019366	0.0103359	0.0609762	-0.540829	0.0845758	1.61E-10	-0.035808	0.0199147	0.07216624	0.2210778	20	0.58667734
ENSG00000230313	6	HCG24	33112560	rs9277927	6	33128395	C	A	0.147117	0.0214474	0.0110139	0.051498	0.593131	0.10346	9.87E-09	0.0361596	0.019611	0.06520649	0.01112251	8	0.57851705
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.681852	0.0741774	3.85E-20	-0.0145801	0.0262869	0.579133	0.3800002	10	0.89945931
ENSG00000197251	6	LINC00336	33553883	rs375555	6	33557741	C	T	0.214712	-0.0190395	0.011015	0.0838977	0.613462	0.107747	1.24E-08	-0.0310362	0.0187647	0.09813466	0.3776488	9	0.63478762
ENSG00000161904	6	LEMD2	33738979	rs12173787	6	33735471	C	G	0.516899	-0.0216777	0.00804912	0.0070775	-0.2946	0.0454618	9.16E-11	0.0735835	0.0295879	0.01288445	0.3723199	4	0.34575992
ENSG00000196821	6	C6orf106	34555065	rs112563428	6	34800435	T	C	0.101392	-0.0229541	0.0102111	0.0245788	0.399301	0.0680974	4.53E-09	-0.0574857	0.0273873	0.03581739	0.8494949	7	0.47347013
ENSG00000065060	6	UHRF1BP1	34759857	rs137931729	6	34731686	G	A	0.335984	-0.0087725	0.00857096	0.306062	0.488017	0.0716293	9.55E-12	-0.0179759	0.0177599	0.311461	0.00514575	7	0.78515847
ENSG00000112041	6	TULP1	35465651	rs10947563	6	35653437	A	G	0.698807	0.0116155	0.00950029	0.221464	-0.778826	0.124577	4.06E-10	-0.0149141	0.0124293	0.2301721	0.1664151	20	0.72889676
ENSG00000112053	6	SLC26A8	35911291	rs6928439	6	35976988	C	T	0.399602	-0.0155568	0.00818601	0.0573786	-0.305496	0.0454865	1.87E-11	0.0509231	0.0278479	0.06745699	0.5685699	8	0.57851705
ENSG00000156711	6	MAPK13	36095586	rs12210946	6	36098130	A	G	0.304175	0.017324	0.00984722	0.0785308	0.444112	0.0597976	1.11E-13	0.0390082	0.0227864	0.08691418	0.447275	6	0.60646721
ENSG00000246982	6	RP1-179N16.6	36114475	rs9470228	6	36163941	T	C	0.832008	0.00236715	0.0128457	0.853797	-0.534424	0.0896281	2.48E-09	-0.0044294	0.024048	0.8538662	0.5152093	7	0.96801944
ENSG00000198937	6	CCDC167	37450696	rs1812186	6	37465916	C	T	0.701789	-0.0117833	0.0083276	0.157077	0.478793	0.0555093	6.38E-18	-0.0246104	0.0176254	0.1626223	0.06976678	18	0.67203469
ENSG00000161912	6	ADCY10P1	41068761	rs72856298	6	41113920	C	T	0.132207	0.00932996	0.0136154	0.493187	0.588128	0.075914	9.39E-15	0.0158638	0.0232408	0.4948687	0.7321555	9	0.87134983
ENSG00000112599	6	GUCA1B	42152139	rs13197564	6	42184400	T	C	0.637177	0.00399486	0.00886038	0.652085	0.95832	0.089776	1.34E-26	0.00416861	0.00925399	0.6523744	0.1216717	17	0.92370535
ENSG00000112619	6	PRPH2	42664340	rs13214506	6	42672574	A	G	0.256461	-0.011786	0.00938047	0.208955	0.624136	0.0605105	6.06E-25	-0.0188837	0.0151406	0.2123165	0.08404781	18	0.70976598
ENSG00000124713	6	GNMT	42928496	rs2296804	6	42931261	G	C	0.588469	0.00247486	0.00811008	0.760246	-0.97658	0.086938	2.81E-29	-0.0025342	0.00830764	0.7603311	0.6062501	16	0.9413792
ENSG00000124587	6	PEX6	42931608	rs9986447	6	42942779	G	A	0.459245	-0.0003573	0.00832962	0.965787	0.587164	0.0515938	5.23E-30	-0.0006085	0.0141863	0.9657871	0.9022388	16	0.98945849
ENSG00000196284	6	SUPT3H	44777054	rs11961316	6	45029598	C	T	0.284294	0.00218665	0.00913485	0.810816	0.602451	0.109737	4.02E-08	0.00362959	0.0151772	0.8109914	0.2815964	15	0.95850779
ENSG00000231769	6	RP1-8B1.4	46064830	rs3734208	6	46097758	G	C	0.672962	0.0283958	0.00898363	0.00157315	-0.46728	0.0698902	2.29E-11	-0.0607683	0.0212656	0.00426872	0.4848869	8	0.26622312
ENSG00000112796	6	ENPP5	46126924	rs13201945	6	46137101	G	C	0.530815	0.0172172	0.00806257	0.0327243	-0.349361	0.0593536	3.95E-09	-0.049282	0.0245499	0.04470479	0.1219481	5	0.54092126
ENSG00000153291	6	SLC25A27	46620678	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	0.802358	0.0633562	9.33E-37	0.0293605	0.0113612	0.00975866	0.9408246	20	0.32625505
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.836924	0.0815417	1.03E-24	-0.0281478	0.0110098	0.01056991	0.954222	19	0.32999651
ENSG00000146085	6	MUT	49398073	rs77090718	6	49100107	A	G	0.0159046	0.00122496	0.0333375	0.970689	1.35461	0.225462	1.88E-09	0.00090429	0.0246109	0.9706895	0.7494364	3	0.99153074
ENSG00000031691	6	CENPQ	49431091	rs9357615	6	49356433	C	A	0.54672	-0.0044146	0.00805365	0.583594	0.483528	0.0625475	1.07E-14	-0.0091299	0.0166978	0.5845367	0.5134825	20	0.90118119
ENSG00000151917	6	BEND6	56819773	rs35818840	6	56804710	G	C	0.270378	-0.0001353	0.00845075	0.987223	-0.406265	0.0534014	2.79E-14	0.00033311	0.0208011	0.9872234	0.2372791	15	0.99422252
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs4529322	6	58261295	G	C	0.717694	0.00102639	0.00871051	0.906199	-0.699984	0.0899268	7.03E-15	-0.0014663	0.0124453	0.9062103	0.9549807	11	0.97813375
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs4529322	6	58261295	G	C	0.717694	0.00102639	0.00871051	0.906199	0.431199	0.0557465	1.03E-14	0.00238032	0.020203	0.9062104	0.2693964	20	0.97813375
ENSG00000215190	6	LINC00680	58272352	rs6937922	6	58218257	G	A	0.602386	0.00482142	0.00835744	0.564006	-0.829286	0.0763381	1.72E-27	-0.0058139	0.0100921	0.5645545	0.5933013	19	0.89304677
ENSG00000271967	6	RP11-134K13.4	71306141	rs9446273	6	71301264	C	T	0.428429	-0.0090692	0.00808536	0.261996	-0.459029	0.0787403	5.55E-09	0.0197574	0.0179371	0.2706872	0.8872465	5	0.76338863
ENSG00000234882	6	EIF3EP1	74001685	rs16883564	6	74010614	G	A	0.0765408	-0.0095814	0.0124164	0.440307	0.75244	0.130045	7.21E-09	-0.0127337	0.0166476	0.4443319	0.8985183	5	0.86618806
ENSG00000271945	6	RP11-354K4.2	77484700	rs4708294	6	77575305	T	C	0.324056	-0.0014102	0.00844707	0.867415	-0.648084	0.0994064	7.05E-11	0.00217592	0.0130382	0.8674579	0.0955665	14	0.9709666
ENSG00000146243	6	IRAK1BP1	79577189	rs1354832	6	79613763	T	C	0.478131	0.0235186	0.00807932	0.00360313	0.479173	0.0692579	4.56E-12	0.0490816	0.0182926	0.0072933	0.5307959	8	0.2764859
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.60566	0.0479267	1.32E-36	0.0519402	0.013901	0.00018665	0.4942041	20	0.11400133
ENSG00000111850	6	SMIM8	88032301	rs9353480	6	88068616	A	G	0.115308	0.00879019	0.0121117	0.467985	0.527164	0.0934605	1.70E-08	0.0166745	0.0231646	0.4716321	0.5164374	4	0.86932046
ENSG00000203872	6	C6orf163	88054567	rs2103764	6	88157392	A	T	0.550696	0.00703952	0.00807199	0.383158	-0.480944	0.0810922	3.01E-09	-0.0146369	0.0169641	0.3882396	0.1589567	15	0.8319892
ENSG00000272514	6	C6ORF165	88117701	rs2250795	6	88393705	C	T	0.233598	0.00758165	0.00942014	0.420916	0.261996	0.0474889	3.45E-08	0.028938	0.0363359	0.4257971	0.4126975	6	0.86052417
ENSG00000083099	6	LYRM2	90277863	rs2768938	6	90436943	G	A	0.2167	-0.0142827	0.00958849	0.136338	0.643319	0.0740348	3.64E-18	-0.0222016	0.0151221	0.142063	0.874921	20	0.66337789
ENSG00000123545	6	NDUFAF4	97337189	rs12202527	6	97354319	A	G	0.132207	0.0113579	0.0122035	0.352006	0.382477	0.0559569	8.19E-12	0.0296956	0.0322009	0.356425	0.8002133	8	0.82820583
ENSG00000228506	6	RP11-98I9.4	99872798	rs3087961	6	99881066	C	T	0.494036	-0.0014546	0.00807092	0.856976	0.888239	0.0778364	3.66E-30	-0.0016376	0.00908756	0.8569937	0.2470034	20	0.96943077
ENSG00000219755	6	RP1-199J3.5	100023588	rs330831	6	100047669	C	T	0.806163	0.0101951	0.00881455	0.247427	0.903865	0.114416	2.79E-15	0.0112795	0.00985604	0.2524492	0.657971	20	0.7403233
ENSG00000130348	6	QRSL1	107077453	rs3101493	6	107115394	G	A	0.382704	-0.0040115	0.00820452	0.624883	-0.752734	0.073537	1.37E-24	0.00532927	0.0109121	0.6252783	0.5339255	20	0.91043269
ENSG00000229654	6	RP1-60O19.2	107143410	rs7750365	6	107089289	G	T	0.472167	-0.0032555	0.00807583	0.686864	0.373792	0.0661146	1.57E-08	-0.0087093	0.02166	0.6876154	0.4890834	8	0.92906635
ENSG00000223537	6	RP5-919F19.5	109809109	rs1998811	6	109812138	G	A	0.409543	-0.0148527	0.00816087	0.0687607	-0.569546	0.0882709	1.10E-10	0.0260781	0.0148878	0.07983576	0.6381613	18	0.58829762
ENSG00000155085	6	AK9	109814059	rs12190372	6	110084534	A	G	0.371769	-0.0138302	0.00837958	0.0988462	-0.384639	0.0520086	1.41E-13	0.0359563	0.0223215	0.1072147	0.8084733	20	0.63886666
ENSG00000203797	6	DDO	110712974	rs2180004	6	110743262	G	A	0.371769	-0.0085946	0.00812293	0.290023	0.302653	0.0491369	7.30E-10	-0.0283976	0.0272322	0.2970427	0.2853982	3	0.78165962
ENSG00000231889	6	TRAF3IP2-AS1	111804714	rs13210247	6	111922720	G	A	0.083499	-0.0224296	0.016239	0.167211	0.867755	0.144221	1.78E-09	-0.0258478	0.0192006	0.1782371	0.9467688	5	0.67355196
ENSG00000255389	6	C6orf3	111921078	rs9481169	6	111929862	T	G	0.105368	-0.0270014	0.0150236	0.0722936	-0.899063	0.0944888	1.82E-21	0.0300328	0.0170058	0.07738962	0.3264062	20	0.58667734
ENSG00000203778	6	FAM229B	112408802	rs2227238	6	112424157	T	C	0.499006	0.00189968	0.00811179	0.81484	0.313768	0.0524275	2.17E-09	0.00605441	0.0258726	0.8149784	0.112432	3	0.95850779
ENSG00000237742	6	RP11-624M8.1	125899704	rs1739365	6	126025218	A	G	0.317097	0.0132706	0.00847246	0.117272	0.570519	0.0748638	2.52E-14	0.0232606	0.0151609	0.124968	0.9834835	20	0.65254227
ENSG00000079819	6	EPB41L2	131160487	rs3777466	6	131268226	A	G	0.526839	0.0143552	0.00844594	0.0891949	-0.235969	0.040316	4.83E-09	-0.0608351	0.0372712	0.1026312	0.5075069	4	0.63886666
ENSG00000118514	6	ALDH8A1	135238528	rs2150682	6	135377632	T	A	0.489066	0.00141228	0.00813824	0.86223	-0.763118	0.0743876	1.08E-24	-0.0018507	0.010666	0.8622494	0.3190381	20	0.97036966
ENSG00000112339	6	HBS1L	135281516	rs4142299	6	135377186	T	G	0.489066	0.00141275	0.00813824	0.862184	-0.385987	0.0461701	6.27E-17	-0.0036601	0.0210888	0.8622139	0.3254734	20	0.97036966
ENSG00000232876	6	CTA-212D2.2	135376171	rs978036	6	135342903	T	C	0.491054	0.00142539	0.00813867	0.860971	-0.918292	0.0975234	4.68E-21	-0.0015522	0.00886437	0.860995	0.4670197	20	0.97036966
ENSG00000234084	6	RP3-388E23.2	135622706	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.488896	0.070991	5.71E-12	-0.0091125	0.0214264	0.6706244	0.3969285	3	0.92695413
ENSG00000112378	6	PERP	138409642	rs12665359	6	138435147	G	T	0.308151	-0.0062147	0.0090159	0.490634	-0.391136	0.067328	6.27E-09	0.0158887	0.0232122	0.4936604	0.6069537	5	0.87134983
ENSG00000225177	6	RP11-390P2.4	139013685	rs1129180	6	139018132	G	A	0.22167	-0.0077603	0.0102507	0.449023	0.531611	0.0658347	6.75E-16	-0.0145977	0.0193669	0.4510033	0.7884333	20	0.86762885
ENSG00000234147	6	RP3-460G2.2	141167095	rs66465422	6	141219953	G	C	0.265408	0.00846053	0.00920794	0.358185	0.619922	0.0926599	2.23E-11	0.0136477	0.0149928	0.3626721	0.9609974	17	0.82820583
ENSG00000235652	6	RP11-545I5.3	146136048	rs2253757	6	146199686	T	C	0.332008	0.00263438	0.00828185	0.750416	0.39655	0.0694497	1.13E-08	0.00664325	0.0209171	0.7507896	0.8741176	6	0.9359699
ENSG00000228408	6	RP1-111D6.3	149539062	rs9498255	6	149538517	G	C	0.302187	-0.0086107	0.00928706	0.353839	0.724707	0.0909676	1.63E-15	-0.0118816	0.0129014	0.3570757	0.7020535	6	0.82820583
ENSG00000055211	6	GINM1	149887430	rs2144207	6	149880107	C	T	0.362823	0.0138231	0.00822895	0.0929929	-0.36185	0.0540581	2.18E-11	-0.0382012	0.0234465	0.1032512	0.0520128	20	0.63886666
ENSG00000231760	6	RP11-350J20.5	150117711	rs7745915	6	150155247	T	C	0.369781	0.0110882	0.00828696	0.180889	0.858148	0.111555	1.44E-14	0.0129211	0.00980179	0.1874242	0.6148835	18	0.68577349
ENSG00000120262	6	CCDC170	151815165	rs4869745	6	151908076	T	C	0.28827	0.00189144	0.00885308	0.830822	0.287609	0.0520651	3.31E-08	0.00657643	0.0308047	0.8309463	0.5396121	4	0.96310148
ENSG00000112031	6	MTRF1L	153308497	rs7750874	6	153330468	T	A	0.693837	0.029836	0.00897782	0.00088959	-0.697288	0.0678726	9.28E-25	-0.0427886	0.0135322	0.00156701	0.01709306	20	0.19228317
ENSG00000235381	6	RP11-477D19.2	155574273	rs3011894	6	155575867	A	G	0.429423	-0.0099424	0.00811171	0.220318	0.712863	0.0701529	2.94E-24	-0.0139471	0.0114615	0.2236562	0.9084401	20	0.72611201
ENSG00000029639	6	TFB1M	155578643	rs1334687	6	155635637	C	A	0.592445	0.00600881	0.0081233	0.459481	-0.560213	0.0943647	2.91E-09	-0.0107259	0.0146125	0.4629336	0.7553879	3	0.86904091
ENSG00000271265	6	RP11-230C9.4	157095351	rs9397969	6	157119508	A	G	0.229622	-0.0013128	0.00912273	0.885573	0.551428	0.0976233	1.62E-08	-0.0023808	0.0165492	0.8856094	0.984756	10	0.97813375
ENSG00000272047	6	GTF2H5	158589384	rs10946159	6	158616335	C	A	0.260437	-0.0017121	0.00875296	0.844918	-0.482554	0.0712373	1.25E-11	0.00354808	0.0181464	0.8449816	0.7837615	6	0.96801944
ENSG00000130363	6	RSPH3	159393903	rs10455837	6	159399666	G	A	0.0964215	-0.0170447	0.0122632	0.164558	0.341856	0.0589795	6.78E-09	-0.0498593	0.0368894	0.1765066	0.9952508	7	0.67238185
ENSG00000146453	6	PNLDC1	160221298	rs35872675	6	160229889	C	T	0.511928	0.0003899	0.00815479	0.961866	-0.620645	0.0885403	2.39E-12	-0.0006282	0.0131395	0.9618666	0.7461616	7	0.98796376

ENSG00000112530	6	PACRG	163148164	rs35754151	6	163074867	G	A	0.124254	0.0373577	0.0168728	0.0268232	0.432961	0.0639291	1.27E-11	0.0862842	0.0410004	0.03533727	0.9160892	9	0.47347013
ENSG00000231720	6	RP11-568A7.3	167650996	rs1854859	6	167672992	A	G	0.552684	-0.0032435	0.00810232	0.688927	-0.814461	0.0747442	1.20E-27	0.00398233	0.00995479	0.689126	0.5322819	13	0.92906635
ENSG00000235994	6	RP3-470B24.5	168376604	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.656951	0.0969162	1.21E-11	-0.0110418	0.0127987	0.388288	0.05894796	20	0.8319892
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.739638	0.0955838	1.01E-14	-0.0098074	0.0113465	0.3873921	0.1395151	20	0.8319892
ENSG00000125337	6	KIF25	168396921	rs3778670	6	168400266	T	C	0.149105	0.0202577	0.0103974	0.0513748	0.853783	0.126245	1.35E-11	0.023727	0.0126733	0.0611793	0.403344	16	0.5662877
ENSG00000184465	6	WDR27	169857307	rs28660085	6	170101996	G	C	0.210736	0.006915	0.00978993	0.479978	-0.354156	0.0587321	1.64E-09	-0.0195253	0.027832	0.4829651	0.8944135	16	0.87134983
ENSG00000236173	6	RP1-182D15.2	170209414	rs12193054	6	170210741	T	C	0.05666	-0.0187726	0.0198814	0.345052	-1.03807	0.147568	2.00E-12	0.0180841	0.019324	0.3493575	0.3553928	10	0.82476381
ENSG00000112584	6	FAM120B	170599791	rs28416827	6	170637126	G	A	0.125249	-0.0050174	0.0156091	0.747875	-0.42667	0.0765577	2.50E-08	0.0117595	0.0366443	0.7482786	0.1622756	6	0.93546843
ENSG00000261003	6	RP1-140C12.2	170723227	rs13207394	6	170713885	G	C	0.0715706	-0.0013	0.0195127	0.946881	1.083	0.182682	3.06E-09	-0.0012004	0.0180184	0.9468846	0.1712562	6	0.98722657
ENSG00000240859	7	AC093627.10	149597	rs76029673	7	161970	A	G	0.0367793	-0.0331414	0.0198264	0.0946063	-1.37482	0.232467	3.34E-09	0.024106	0.0149861	0.1077124	0.7926597	4	0.63886666
ENSG00000223855	7	AC147651.3	560028	rs9801322	7	564240	G	A	0.175944	0.00829487	0.0105012	0.429588	1.33216	0.110326	1.44E-33	0.00622663	0.00789969	0.4305724	0.5951689	12	0.8649076
ENSG00000146540	7	C7orf50	1036622	rs73264028	7	1045455	A	G	0.0715706	-0.0194578	0.0158698	0.220165	0.465532	0.0818399	1.28E-08	-0.0417969	0.0348725	0.2306977	0.6199491	11	0.72889676
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.17047	0.0801426	2.62E-48	-0.006137	0.00718665	0.3931395	0.8910253	20	0.83577283
ENSG00000164880	7	INTS1	1509913	rs3752714	7	1542697	A	G	0.464215	0.00563973	0.00806126	0.484171	-0.551403	0.059669	2.44E-20	-0.010228	0.0146614	0.4854195	0.4782466	20	0.87134983
ENSG00000230487	7	PSMG3-AS1	1609709	rs4518570	7	1629376	C	T	0.38668	0.00166001	0.00833866	0.842205	-0.376491	0.0553685	1.05E-11	-0.0044092	0.0221579	0.8422716	0.7584135	11	0.96728916
ENSG00000122687	7	FTSJ2	2273866	rs4719462	7	2266384	G	A	0.385686	-0.0058025	0.00849248	0.494445	0.516407	0.0639746	6.91E-16	-0.0112364	0.0165041	0.4959843	0.3228074	20	0.87134983
ENSG00000196204	7	RNF216P1	5013619	rs9639891	7	5036611	G	C	0.114314	-0.0247084	0.0151699	0.103359	-0.708252	0.107394	4.25E-11	0.0348865	0.0220624	0.1138172	0.5263333	11	0.64371605
ENSG00000146587	7	RBAK	5085452	rs147237612	7	5015502	T	A	0.10835	-0.0270319	0.0154304	0.0797976	0.594749	0.0984201	1.51E-09	-0.0454509	0.0270126	0.09245604	0.2679349	8	0.61192083
ENSG00000273313	7	RBAKDN	5111756	rs7778009	7	5043631	C	T	0.49503	0.00538665	0.00815467	0.508895	-0.540575	0.0632407	1.25E-17	-0.0099647	0.0151302	0.5101549	0.6024938	20	0.87134983
ENSG00000122674	7	CCZ1	5938356	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	0.812377	0.101961	1.62E-15	-0.0068632	0.01017	0.4997751	0.9054991	12	0.87134983
ENSG00000122512	7	PMS2	6012870	rs10224471	7	6104109	G	A	0.0506958	0.00547873	0.0133841	0.682287	-0.44621	0.062587	1.01E-12	-0.0122784	0.0300445	0.6827796	0.193363	17	0.92906635
ENSG00000187953	7	PMS2CL	6749759	rs852148	7	6096121	A	T	0.614314	0.015526	0.00808589	0.0548403	0.644119	0.0944938	9.33E-12	0.0241042	0.0130419	0.06457221	0.1005499	14	0.57851705
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.833968	0.100813	1.31E-16	0.0066855	0.00990416	0.4996638	0.5817278	13	0.87134983
ENSG00000106392	7	C1GALT1	7196565	rs7780273	7	7250449	C	A	0.363817	-0.0048051	0.00810011	0.553038	0.408833	0.0572611	9.35E-13	-0.0117532	0.019881	0.5544025	0.1990623	17	0.89189107
ENSG00000230825	7	AC005532.5	7294785	rs7808744	7	7318707	A	T	0.394632	-0.0059329	0.00807989	0.46278	-0.527603	0.0883716	2.37E-09	0.0112449	0.0154297	0.466134	0.4209019	8	0.86904091
ENSG00000215018	7	COL28A1	7395834	rs4720740	7	7614586	C	T	0.694831	0.0142842	0.00866382	0.0992065	0.425608	0.0532281	1.29E-15	0.0335619	0.0207846	0.106365	0.6212736	20	0.63886666
ENSG00000272894	7	RP5-1159O4.1	7592093	rs17168408	7	7556703	A	C	0.258449	-0.0177249	0.00882028	0.0444775	0.496952	0.0604298	1.97E-16	-0.0356672	0.018271	0.05092366	0.4645266	20	0.5491704
ENSG00000146530	7	VWDE	12370511	rs6945190	7	12357020	G	A	0.514911	-0.0008969	0.00804674	0.911253	-0.66776	0.0800632	7.40E-17	0.00134311	0.0120514	0.9112609	0.8699766	20	0.97813375
ENSG00000237773	7	AC003075.4	17319458	rs138250592	7	17301557	T	G	0.0149105	-0.0727337	0.0391145	0.062955	1.87749	0.271736	4.87E-12	-0.0387399	0.0215747	0.07255599	0.03423345	7	0.58667734
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-1.18204	0.124989	3.16E-21	0.02777	0.0162243	0.08696511	0.01610561	12	0.60646721
ENSG00000196683	7	TOMM7	22852251	rs10276099	7	22862950	A	G	0.331014	-0.0024448	0.00824412	0.766814	-0.33776	0.0469953	6.62E-13	0.00723813	0.024429	0.7670066	0.930394	13	0.94483091
ENSG00000230658	7	KLHL7-AS1	23140847	rs6953728	7	23121304	A	G	0.361829	-0.0050298	0.0083111	0.545051	1.12486	0.084073	7.96E-41	-0.0044715	0.00739612	0.5454623	0.05127218	20	0.88747512
ENSG00000136243	7	NUPL2	23221446	rs2141307	7	23191424	C	G	0.337972	0.00195249	0.00890645	0.826477	-0.650564	0.0741837	1.79E-18	-0.0030012	0.0136946	0.8265304	0.207183	20	0.96159938
ENSG00000226816	7	AC005082.12	23245632	rs1637193	7	23260251	T	G	0.385686	0.00322944	0.00824498	0.69529	0.373091	0.0649231	9.10E-09	0.0086559	0.0221504	0.6959606	0.6387372	15	0.92906635
ENSG00000136235	7	GPNMB	23275586	rs858273	7	23294900	T	C	0.380716	0.0046481	0.00830082	0.575509	-0.770284	0.0853548	1.81E-19	-0.0060343	0.010797	0.5762423	0.2625513	20	0.89882852
ENSG00000188732	7	FAM221A	23719749	rs56391241	7	23719766	A	G	0.470179	0.0114117	0.00809232	0.158483	0.440668	0.0736084	2.14E-09	0.0258964	0.0188663	0.1698699	0.2711648	11	0.67238185
ENSG00000105928	7	DFNA5	24737972	rs2721811	7	24749429	G	A	0.421471	0.0296628	0.00805688	0.00023171	0.724454	0.0818937	9.05E-19	0.040945	0.012046	0.0006762	0.5152814	20	0.11946234
ENSG00000234336	7	JAZF1-AS1	28219941	rs10281102	7	28243473	G	A	0.0904573	-0.0233952	0.0152263	0.124415	-0.72938	0.101336	6.13E-13	0.0320755	0.021346	0.1329312	0.3093282	4	0.66089262
ENSG00000228421	7	AC005013.5	28997283	rs4722880	7	28999197	T	C	0.617296	0.00503116	0.00809054	0.534035	0.607771	0.0964063	2.90E-10	0.00827805	0.0133764	0.5360127	0.3501741	12	0.88150043
ENSG00000272568	7	CTB-113D17.1	29019583	rs74646134	7	29039409	G	A	0.084493	0.00468343	0.0170198	0.783183	0.713232	0.106688	2.31E-11	0.00656649	0.0238831	0.7833604	0.8791579	3	0.9484432
ENSG00000225264	7	ZNRF2P2	29638411	rs34251700	7	29685827	T	C	0.0795229	0.0307553	0.020805	0.139337	1.10537	0.154032	7.17E-13	0.0278235	0.0192169	0.1476549	0.1143098	12	0.66601785
ENSG00000122574	7	WIPF3	29846102	rs62457799	7	29526425	C	T	0.185885	-0.0063307	0.00989203	0.522186	0.23142	0.0422467	4.31E-08	-0.0273558	0.0430357	0.5250011	0.2234951	3	0.87311801
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-1.16282	0.0770367	1.76E-51	-0.0002932	0.00767239	0.9695212	0.255875	20	0.99153074
ENSG00000244480	7	AC005154.7	30562759	rs2270007	7	30699972	C	G	0.831014	0.0140149	0.00981843	0.153463	-0.764996	0.104682	2.72E-13	-0.0183202	0.0130772	0.1612341	0.1252929	18	0.67203469
ENSG00000180347	7	CCDC129	31553704	rs9691257	7	31576214	G	T	0.235586	-0.0026039	0.00945138	0.782928	-0.89522	0.100399	4.81E-19	0.00290867	0.0105626	0.7830294	0.2029628	9	0.9484432
ENSG00000205763	7	RP9P	32956427	rs73101892	7	32963898	A	G	0.185885	-0.0050318	0.00978013	0.606908	-0.422082	0.0676118	4.30E-10	0.0119214	0.0232497	0.6081236	0.7072766	8	0.90506093
ENSG00000164610	7	RP9	33134409	rs60403301	7	32984635	G	C	0.228628	-0.0057903	0.00934092	0.535337	0.425264	0.0692396	8.15E-10	-0.0136157	0.0220766	0.5374017	0.6944513	5	0.88159766
ENSG00000271122	7	RP11-379H18.1	35734824	rs10261410	7	35715148	T	C	0.543738	-0.0023802	0.00805885	0.767726	0.349438	0.0564877	6.17E-10	-0.0068115	0.0230886	0.7679815	0.6259462	3	0.94537801
ENSG00000227191	7	TRGC2	38279181	rs2109364	7	38280817	A	G	0.454274	0.00311533	0.00806894	0.699431	-0.659228	0.0612398	5.05E-27	-0.0047257	0.0122479	0.6996144	0.4611756	20	0.92906635
ENSG00000211688	7	TRGJP2	38295938	rs2109364	7	38280817	A	G	0.454274	0.00311533	0.00806894	0.699431	-0.613994	0.07448	1.67E-16	-0.0050739	0.0131561	0.6997438	0.4033818	20	0.92906635
ENSG00000211689	7	TRGC1	38297480	rs2270169	7	38323398	A	G	0.457256	0.00030713	0.00808912	0.969713	-0.467614	0.0779764	2.01E-09	-0.0006568	0.0172991	0.9697141	0.7639488	9	0.99153074
ENSG00000241057	7	AC004985.12	44001189	rs4724266	7	44020917	A	G	0.259443	0.0122626	0.00880674	0.163799	0.660343	0.0840169	3.85E-15	0.01857	0.0135443	0.1703558	0.2989255	13	0.67238185
ENSG00000106628	7	POLD2	44154286	rs137888771	7	44182127	A	T	0.0119284	0.0571982	0.0519478	0.270866	-1.38727	0.199757	3.79E-12	-0.0412308	0.0379138	0.2768214	0.9148381	5	0.76713904
ENSG00000106631	7	MYL7	44178463	rs2908274	7	44185088	A	G	0.176938	0.00963419	0.00943419	0.30716	0.416781	0.0672573	5.76E-10	0.0231157	0.0229411	0.3136421	0.04159642	4	0.78688906
ENSG00000058404	7	CAMK2B	44256749	rs10278336	7	44245363	G	A	0.408549	0.00195314	0.00805075	0.808312	0.233207	0.0335324	3.53E-12	0.00837513	0.0345429	0.8084268	0.02510564	4	0.95639778
ENSG00000015676	7	NUDCD3	44418720	rs11770810	7	44381979	C	T	0.164016	-0.0009659	0.0103018	0.925299	0.236579	0.0415408	1.23E-08	-0.0040828	0.0435508	0.9253088	0.11419	5	0.98082733
ENSG00000272556	7	RP11-638I8.1	45854201	rs3735666	7	45761952	C	A	0.17992	0.0167727	0.0118955	0.15854	-0.524965	0.0832715	2.90E-10	-0.0319501	0.0232194	0.1688193	0.00615931	20	0.67238185
ENSG00000132436	7	FIGNL1	50511831	rs12719056	7	50510076	C	T	0.553678	0.0117065	0.00806703	0.146739	0.549881	0.0695866	2.74E-15	0.0212892	0.0149158	0.1534974	0.2661248	20	0.6687947
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.13717	0.0786476	2.20E-47	0.0114992	0.00818038	0.1598098	0.5032895	20	0.67203469
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.671864	0.0755543	5.98E-19	0.0194632	0.0139529	0.1630409	0.3146213	19	0.67203469
ENSG00000129103	7	SUMF2	56131695	rs112498802	7	56100262	G	A	0.215706	-0.0046465	0.008911	0.602069	0.430721	0.0622389	4.50E-12	-0.0107876	0.0207472	0.6030951	0.5524391	17	0.90357711
ENSG00000106153	7	CHCHD2	56169262	rs111872279	7	56188381	C	G	0.154076	-0.0024361	0.0105234	0.816934	0.331952	0.0478131	3.85E-12	-0.0073386	0.0317192	0.8170349	0.6970865	20	0.95908859
ENSG00000185290	7	NUPR1L	56182374	rs34458430	7	55808805	G	A	0.235586	0.0130449	0.00925853	0.158846	0.891663	0.0834445	1.19E-26	0.0146299	0.0104733	0.1624527	0.5257027	20	0.67203469
ENSG00000173041	7	ZNF680	63980262	rs55747800	7	63870483	A	C	0.263419	0.00445322	0.00901435	0.621295	-0.330566	0.0538404	8.27E-10	-0.0134715	0.0273576	0.6224203	0.3465436	20	0.91003736
ENSG00000197008	7	ZNF138	64254766	rs6960979	7	64323479	G	A	0.49503	-0.0132628	0.00808295	0.100833	0.519554	0.0714399	3.53E-13	-0.0255273	0.0159485	0.1094647	0.8779122	20	0.63886666
ENSG00000182722	7	SEPHS1P1	64312775	rs34344248	7	64284795	C	T	0.482107	-0.0103793	0.00812061	0.201198	-0.465823	0.0810873	9.21E-09	0.0222816	0.0178591	0.2121645	0.794422	20	0.70976598
ENSG00000213640	7	RP11-797H7.3	64323377	rs4273745	7	64308686	A	C	0.452286	0.00851377	0.00810773	0.293681	0.728702	0.0712842	1.57E-24	0.0116835	0.0111848	0.2962153	0.6599782	20	0.78165962
ENSG00000198039	7	ZNF273	64330550	rs4718146	7	64322362	T	A	0.466203	0.0124991	0.008064	0.121145	0.281574	0.0493074	1.13E-08	0.0443901	0.0296752	0.1346886	0.9506142	8	0.66089262
ENSG00000152926	7	ZNF117	64432154	rs13235214	7	64516150	T	C	0.482107	-0.0025036	0.00808054	0.756687	0.375199	0.0610624	8.02E-10	-0.0066728	0.021564	0.7569858	0.8523587	10	0.94013468
ENSG00000213462	7	ERV3-1	64451187	rs71562965	7	64572483	G	A	0.397614	-0.0037421	0.00831514	0.652687	0.597481	0.0562835	2.52E-26	-0.0062631	0.0139295	0.6529785	0.8573029	20	0.92370535
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-0.970432	0.0827336	8.99E-32	-0.0054001	0.00840719	0.5206657	0.9535505	20	0.87188885
ENSG00000226002	7	RP11-460N20.5	64544481	rs7803698	7	64427895	T	C	0.402584	-0.0043513	0.00832974	0.601402	0.919412	0.096818	2.18E-21	-0.0047327	0.00907355	0.6019515	0.8231261	20	0.90357711
ENSG00000164669	7	INTS4L1	64601603	rs4718240	7	64896291	G	C	0.587475	0.00685928	0.00823276	0.404749	0.507901	0.0701245	4.39E-13	0.0135052	0.0163163	0.4078345	0.9203729	20	0.84932136
ENSG00000179406	7	LINC00174	65841031	rs575056833	7	65174672	T	C	0.0487078	0.00563431	0.024739	0.81984	0.654966	0.11672	2.01E-08	0.00860245	0.0378025	0.8199862	0.02927074	7	0.9598955
ENSG00000237310	7	GS1-124K5.4	65958693	rs709609	7	65560561	G	A	0.627237	0.0127771	0.00834134	0.125577	-0.496423	0.0699236	1.25E-12	-0.0257383	0.0171895	0.1343087	0.3659108	12	0.66089262
ENSG00000226824	7	RP4-756H11.3	66119525	rs6979488	7	66218847	C	T	0.542744	-0.0145176	0.00826604	0.0790387	-1.08378	0.078225	1.19E-43	0.0133953	0.00768808	0.08144707	0.8393521	20	0.58829762
ENSG00000273142	7	RP11-458F8.4	66367844	rs34466769	7	65453292	C	A	0.157058	-0.0092437	0.0111778	0.408251	-0.407539	0.0730492	2.42E-08	0.0226818	0.0277272	0.4133378	0.2160169	8	0.85399008
ENSG00000198874	7	TYW1	66460160	rs12154876	7	66563135	G	A	0.218688	-0.0178386	0.0109505	0.103308	0.66382	0.0873417	2.96E-14	-0.0268726	0.0168709	0.1111951	0.8766182	9	0.64079729
ENSG00000106610	7	STAG3L4	66767608	rs9443	7	66785137	A	C	0.392644	0.00340825	0.0089224	0.70247	-0.764104	0.0767744	2.46E-23	-0.0044605	0.0116855	0.7026787	0.3562516	20	0.92906635
ENSG00000196313	7	POM121	72349936	rs11760353	7	72408286	T	G	0.535785	0.00775158	0.00811318	0.339359	-0.318742	0.0409802	7.37E-15	-0.0243193	0.0256451	0.3429754	0.2484589	14	0.8233267
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.655535	0.100022	5.60E-11	-0.0137084	0.0135567	0.3119247	0.8446967	9	0.78515847
ENSG00000106638	7	TBL2	72983262	rs190736168	7	73006683	T	C	0.0437376	0.0167943	0.0220039	0.44532	0.832518	0.136391	1.04E-09	0.0201729	0.0266364	0.4488436	0.3435095	3	0.86618806
ENSG00000176410	7	DNAJC30	73095299	rs13234498	7	73104905	G	T	0.446322	-0.001689	0.00821848	0.837174	-0.329554	0.0454073	3.94E-13	0.00512502	0.0249482	0.8372389	0.01054016	6	0.96376374
ENSG00000165171	7	WBSCR27	73248920	rs10225983	7	73258750	A	G	0.725646	0.00539923	0.00869587	0.534668	-1.02588	0.0860266	8.75E-33	-0.005263	0.00848798	0.5352209	0.2326767	20	0.88150043
ENSG00000196275	7	GTF2IRD2	74210483	rs35005436	7	74134911	T	C	0.846918	-0.0462891	0.0125636	0.00022925	-0.900861	0.0892068	5.61E-24	0.0513832	0.0148454	0.00053774	0.1107171	20	0.11400133
ENSG00000123965	7	PMS2P5	74306894	rs1635749	7	74360737	C	T	0.809145	-0.0231069	0.0104641	0.0272301	-1.15153	0.102772	3.87E-29	0.0200663	0.00926192	0.0302704	0.06381669	20	0.47347013
ENSG00000205583	7	STAG3L1	74988448	rs6945340	7	75100124	T	C	0.792247	0.00720498	0.0110766	0.515388	-0.813036	0.129673	3.61E-10	-0.0088618	0.0136969	0.5176345	0.4734133	6	0.87134983
ENSG00000223705	7	NSUN5P1	75039605	rs236650	7	75044431	C	T	0.794235	8.33E-05	0.010293	0.993542	-0.439548	0.0694203	2.42E-10	-0.0001895	0.0234173	0.9935424	0.1178081	3	0.99683383
ENSG00000127957	7	PMS2P3	75132254	rs6963105	7	75097488	A	G	0.460239	-0.0105786	0.00808796	0.190894	0.675692	0.0898733	5.55E-14	-0.0156559	0.0121497	0.1975407	0.4116694	12	0.69450462
ENSG00000127952	7	STYXL1	75625656	rs112985171	7	75808612	T	C	0.109344	0.0183276	0.0167664	0.274342	0.729869	0.112783	9.71E-11	0.0251108	0.0232972	0.2811023	0.2985367	6	0.77060384
ENSG00000188372	7	ZP3	76026835	rs75292946	7	76224198	G	A	0.301193	-0.0099522	0.00952701	0.296195	1.06818	0.105629	4.86E-24	-0.0093169	0.00896638	0.2987594	0.7547019	20	0.78165962
ENSG00000243566	7	UPK3B	76139745	rs10952936	7	76139453	T	C	0.405567	0.00068748	0.00806658	0.932082	-0.867735	0.0914995	2.46E-21	-0.0007923	0.00929651	0.9320848	0.8073998	20	0.98468119
ENSG00000205485	7	AC004980.7	76178677	rs2006268	7	76255998	C	T	0.301193	-0.0103903	0.0095403	0.276112	0.884736	0.0990047	4.02E-19	-0.011744	0.010863	0.2796542	0.9739635	8	0.76980166
ENSG00000146707	7	POMZP3	76239303	rs41278779	7	76255061	C	T	0.209742	0.0119927	0.0109203	0.272118	-1.10446	0.10744	8.69E-25	-0.0108584	0.00994372	0.274838	0.7499158	20	0.76501365
ENSG00000214243	7	AC004980.10	76279718	rs1754174	7	76215602	T	C	0.558648	-0.0016277	0.00814922	0.841685	-0.610231	0.106268	9.34E-09	0.00266738	0.0133624	0.8417788	0.9998116	7	0.96724718
ENSG00000214293	7	RSBN1L-AS1	77286977	rs10499835	7	77303479	T	C	0.139165	0.00112621	0.0129848	0.930884	-1.09714	0.108559	5.18E-24	-0.0010265	0.0118356	0.9308863	0.5059353	20	0.98427878
ENSG00000157214	7	STEAP2	89796904	rs110360	7	89856608	T	C	0.511928	-0.0059691	0.00816489	0.464737	0.293306	0.0456782	1.35E-10	-0.0203511	0.0280173	0.467608	0.1441973	20	0.86904091
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.10623	0.154728	8.71E-13	0.0172438	0.0169275	0.3083537	0.3544591	5	0.78476572
ENSG00000127993	7	RBM48	92158087	rs41415148	7	92185666	C	G	0.0178926	-0.120191	0.0603809	0.0465307	-1.10034	0.186397	3.57E-09	0.109231	0.0579105	0.05926798	0.6383446	3	0.56598251
ENSG00000005421	7	PON1	94926988	rs10487132	7	95020305	G	A	0.387674	0.0132504	0.0087099	0.128182	-0.419106	0.0701101	2.26E-09	-0.0316159	0.0214445	0.1403982	0.7706262	17	0.66149748
ENSG00000231170	7	AC002451.3	95225994	rs10085643	7	95226257	C	T	0.428429	0.00557059	0.00823759	0.498888	0.747433	0.0933672	1.19E-15	0.00745296	0.0110604	0.5004128	0.7634593	17	0.87134983
ENSG00000180535	7	BHLHA15	97840739	rs7804318	7	97796635	T	C	0.50497	-0.0109044	0.00805983	0.176077	-0.552189	0.0802146	5.82E-12	0.0197476	0.0148754	0.1843315	0.170928	20	0.68184592
ENSG00000272950	7	RP11-307C18.1	97952165	rs2291746	7	97853845	A	G	0.22664	-0.0060222	0.0102165	0.555555	-0.841412	0.109058	1.21E-14	0.00715721	0.0121775	0.5567058	0.01393483	20	0.89196762
ENSG00000146833	7	TRIM4	99474581	rs2527899	7	99529181	G	A	0.533797	0.00023751	0.00821224	0.976927	0.372463	0.0591729	3.08E-10	0.00063767	0.0220487	0.9769275	0.1120124	6	0.99330845
ENSG00000166529	7	ZSCAN21	99647390	rs1050542	7	99704827	G	A	0.600398	0.01588	0.00813715	0.0509918	-0.547851	0.0799041	7.06E-12	-0.028986	0.0154428	0.06051935	0.3387322	11	0.5662877
ENSG00000066923	7	STAG3	99775186	rs866500	7	99840461	G	A	0.764414	-0.0267931	0.00926887	0.00384432	-0.41817	0.0580558	5.89E-13	0.0640723	0.0238836	0.0073034	0.8871732	20	0.2764859
ENSG00000213413	7	PVRIG	99815864	rs1623264	7	99811204	C	G	0.73161	-0.0279444	0.00907088	0.00206533	-0.507202	0.0722171	2.17E-12	0.0550952	0.019529	0.00478442	0.7963075	18	0.27413416
ENSG00000242294	7	STAG3L5P	99933702	rs113387325	7	99913146	T	G	0.173956	-0.0150587	0.00987171	0.127148	0.849908	0.0730287	2.64E-31	-0.017718	0.0117144	0.1304061	0.7876174	20	0.6594625
ENSG00000121716	7	PILRB	99933737	rs10085549	7	99983135	T	C	0.177932	-0.0150274	0.00985786	0.127406	0.890535	0.0649157	7.89E-43	-0.0168746	0.0111377	0.1297515	0.5652985	20	0.6594625
ENSG00000085514	7	PILRA	99965153	rs10085549	7	99983135	T	C	0.177932	-0.0150274	0.00985786	0.127406	0.937483	0.074638	3.49E-36	-0.0160295	0.0105924	0.1302026	0.8027104	20	0.6594625
ENSG00000078487	7	ZCWPW1	99998449	rs6974286	7	100098296	T	C	0.196819	-0.0191138	0.00965111	0.0476497	0.371966	0.0445946	7.36E-17	-0.0513859	0.0266676	0.05399141	0.464558	18	0.56298992
ENSG00000205307	7	SAP25	100169855	rs58509206	7	100186204	G	C	0.0735586	0.0195142	0.0162764	0.230555	0.510347	0.0866463	3.86E-09	0.0382371	0.0325468	0.240061	0.6143211	3	0.73347791
ENSG00000160963	7	COL26A1	101006101	rs12671249	7	101015507	C	T	0.523857	-0.01795	0.00807589	0.0262386	0.40232	0.0448741	3.09E-19	-0.0446162	0.020681	0.03097782	0.1018279	20	0.47347013
ENSG00000128563	7	PRKRIP1	102004319	rs62482951	7	102073463	G	C	0.292247	0.0107651	0.00842393	0.201276	0.336747	0.0540538	4.67E-10	0.0319679	0.0255365	0.2106235	0.02671783	11	0.70976598
ENSG00000267368	7	UPK3BL	102277472	rs4729851	7	102351847	T	A	0.714712	0.00767202	0.00884246	0.385595	-0.719019	0.103666	4.04E-12	-0.0106701	0.0123938	0.3892798	0.3286879	11	0.8319892
ENSG00000228049	7	POLR2J2	102277474	rs4403333	7	102347590	G	A	0.898608	0.00186862	0.0142083	0.895367	-1.36476	0.145082	5.11E-21	-0.0013692	0.0104119	0.8953772	0.6866362	11	0.97813375
ENSG00000091140	7	DLD	107531415	rs2395932	7	107495145	T	C	0.611332	-0.00514	0.0082667	0.534093	0.305523	0.0399895	2.17E-14	-0.0168235	0.027147	0.5354419	0.8920621	20	0.88150043
ENSG00000177683	7	THAP5	108194987	rs40921	7	108189755	A	G	0.329026	-0.0147634	0.00870066	0.0897325	0.316507	0.0548063	7.69E-09	-0.0466448	0.0286517	0.1035258	0.3465356	12	0.63886666
ENSG00000105976	7	MET	116312444	rs42374	7	116444070	C	T	0.44334	-0.0160783	0.00826807	0.0518203	-0.601499	0.0756174	1.80E-15	0.0267304	0.0141506	0.05889224	0.2847297	14	0.56493913
ENSG00000242593	7	RP5-921G16.1	123672259	rs10235939	7	124032560	A	C	0.241551	-0.0084861	0.00937036	0.365129	-0.98841	0.102496	5.24E-22	0.00858565	0.00952195	0.3672327	0.1369072	20	0.82957799
ENSG00000165055	7	METTL2B	128116783	rs9690423	7	128144492	T	C	0.382704	0.0185108	0.00837649	0.0271156	-0.577009	0.0789652	2.73E-13	-0.0320806	0.0151664	0.03440971	0.812297	9	0.47347013
ENSG00000273270	7	RP11-212P7.2	128164070	rs79328924	7	128171280	G	C	0.292247	-0.0115556	0.0089987	0.199092	-0.565549	0.0686507	1.75E-16	0.0204325	0.0161036	0.2045058	0.2347725	10	0.70473911
ENSG00000243302	7	RP11-274B21.2	128291239	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.312505	0.0518536	1.67E-09	-0.0176017	0.0261023	0.5000981	0.733589	5	0.87134983
ENSG00000230715	7	RP11-274B21.4	128292895	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.343713	0.0562151	9.70E-10	-0.0160036	0.0237281	0.5000218	0.073934	5	0.87134983
ENSG00000243679	7	RP11-274B21.3	128294023	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.332234	0.0453068	2.25E-13	-0.0165565	0.0245024	0.4992251	0.0767972	8	0.87134983
ENSG00000271344	7	RP11-274B21.9	128330505	rs62483370	7	128344014	T	G	0.367793	-0.012174	0.00822746	0.138959	-0.342061	0.0548578	4.51E-10	0.0355901	0.0247206	0.1499529	0.117229	12	0.66736667
ENSG00000226380	7	MIR29B1	130561495	rs2398686	7	130565213	A	G	0.0954274	-0.0146127	0.0141604	0.302098	-0.462495	0.0796918	6.49E-09	0.0315954	0.0310977	0.3096272	0.1074672	8	0.78482223
ENSG00000273219	7	RP11-644N4.1	135389285	rs35150201	7	135346262	G	T	0.49006	0.00728677	0.00815293	0.37145	-0.517981	0.087189	2.83E-09	-0.0140676	0.0159169	0.376796	0.06686834	7	0.8319892
ENSG00000228775	7	WEE2-AS1	141404138	rs2270009	7	141464765	T	C	0.463221	-0.001467	0.00806903	0.855737	0.596972	0.0647699	3.06E-20	-0.0024574	0.0135192	0.8557645	0.9726989	19	0.96943077
ENSG00000127364	7	TAS2R4	141478242	rs57641758	7	141479730	G	A	0.472167	-0.0014843	0.00804185	0.853565	0.854847	0.0738886	5.89E-31	-0.0017363	0.00940855	0.8535832	0.9707766	20	0.96801944
ENSG00000257335	7	MGAM	141607613	rs11769672	7	141504298	A	G	0.467197	-0.0008302	0.00806956	0.918057	-0.656547	0.0857415	1.90E-14	0.00126451	0.012292	0.9180643	0.9486447	19	0.97854777
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.66176	0.0569136	2.99E-31	-0.0177273	0.0132733	0.1816919	0.9013844	20	0.67934185
ENSG00000204947	7	ZNF425	148799876	rs6950172	7	148816519	G	C	0.841948	-0.0062543	0.0122086	0.60845	0.593644	0.103127	8.59E-09	-0.0105355	0.0206468	0.6098613	0.5456106	6	0.90506093
ENSG00000244560	7	RP4-800G7.2	148982372	rs2888569	7	148780354	C	T	0.800199	-0.0110297	0.0113483	0.331086	-0.384639	0.0628578	9.40E-10	0.0286755	0.0298736	0.3371092	0.938465	12	0.81583505
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.619122	0.0778867	1.88E-15	0.00885661	0.0161969	0.58451	0.1717576	16	0.90118119
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs6976451	7	149582747	C	T	0.599404	-0.003239	0.00806651	0.688023	0.405086	0.0595798	1.05E-11	-0.0079959	0.0199478	0.6885383	0.2645759	19	0.92906635
ENSG00000171130	7	ATP6V0E2	149570057	rs6947011	7	149575725	T	C	0.600398	-0.0032429	0.00807086	0.687827	0.378715	0.0385428	8.72E-23	-0.008563	0.021329	0.6880738	0.22508	15	0.92906635
ENSG00000106526	7	ACTR3C	149941005	rs59712970	7	149980053	A	G	0.0964215	-0.0133825	0.00990666	0.176741	-0.802389	0.127509	3.12E-10	0.0166783	0.0126277	0.1865781	0.3310277	6	0.68552092
ENSG00000127399	7	LRRC61	150019728	rs1962004	7	150020381	A	G	0.253479	-0.0084057	0.00915145	0.358353	0.452444	0.0435947	3.11E-25	-0.0185784	0.0203058	0.360228	0.5939677	20	0.82820583
ENSG00000188707	7	ZBED6CL	150026938	rs1464753	7	150021350	C	G	0.260437	-0.0072169	0.00870792	0.407234	-0.697823	0.0760958	4.72E-20	0.010342	0.0125296	0.40914	0.3653943	20	0.84973981
ENSG00000002933	7	TMEM176A	150497491	rs2110001	7	150517022	G	C	0.303181	0.00635148	0.00844889	0.452199	0.40912	0.0634643	1.14E-10	0.0155247	0.0207913	0.4552488	0.4504731	7	0.86904091
ENSG00000178234	7	GALNT11	151722759	rs144034483	7	151757649	A	G	0.0109344	0.0238538	0.0278116	0.391061	0.999268	0.167622	2.50E-09	0.0238713	0.0281186	0.3959085	0.6073723	4	0.83797147
ENSG00000261455	7	LINC01003	152160871	rs3087586	7	152162209	C	A	0.353877	-0.0087098	0.00825885	0.291605	-0.464485	0.0812208	1.07E-08	0.0187516	0.0180805	0.2996802	0.7226012	6	0.78165962
ENSG00000196584	7	XRCC2	152341864	rs3218408	7	152367616	C	A	0.198807	0.0200078	0.00957575	0.0366699	0.737847	0.107365	6.32E-12	0.0271165	0.0135645	0.04560065	0.6807475	3	0.54092126
ENSG00000218672	7	AC008060.7	155174771	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.767128	0.0764845	1.13E-23	-0.0030532	0.0106791	0.7749528	0.3845457	16	0.94799946
ENSG00000260426	7	RP5-912I13.1	155192617	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.855795	0.086717	5.68E-23	-0.0027369	0.00957283	0.7749557	0.3770824	19	0.94799946
ENSG00000182648	7	LINC01006	156264890	rs9638048	7	156431052	A	C	0.392644	-0.0090159	0.00807847	0.264408	-0.612972	0.0746171	2.12E-16	0.0147084	0.0133002	0.2687803	0.6327177	16	0.76076667
ENSG00000146909	7	NOM1	156742417	rs10260387	7	156764039	C	T	0.570577	0.0135169	0.00808645	0.094615	0.388738	0.0621563	4.00E-10	0.0347712	0.0215319	0.1063394	0.7771485	7	0.63886666
ENSG00000117868	7	ESYT2	158523686	rs59980573	7	158534381	C	G	0.170974	0.00010915	0.0102504	0.991504	0.489389	0.0761038	1.27E-10	0.00022302	0.0209453	0.9915044	0.5194677	16	0.99532655
ENSG00000126870	7	WDR60	158649269	rs1203184	7	158665221	G	T	0.261431	0.0147846	0.00919472	0.107848	-0.3964	0.0554228	8.53E-13	-0.0372972	0.0237745	0.1166973	0.354232	12	0.64371605
ENSG00000223508	8	RPL23AP53	163186	rs71512836	8	156284	A	C	0.666004	-0.005491	0.00846104	0.516355	-0.541334	0.0929162	5.68E-09	0.0101435	0.0157267	0.5189359	0.2883074	20	0.87134983
ENSG00000272240	8	RP5-855D21.1	184347	rs11774528	8	224321	T	C	0.634195	-0.0188968	0.00829249	0.0226798	-0.729472	0.0829155	1.40E-18	0.0259048	0.0117429	0.02738501	0.7563944	20	0.44317726

ENSG00000273402	8	RP5-855D21.2	187045	rs11995670	8	223682	A	G	0.637177	-0.0187124	0.00829446	0.0240697	-0.584188	0.0873781	2.30E-11	0.0320315	0.0149848	0.0325496	0.958065	20	0.47347013
ENSG00000104714	8	ERICH1	564746	rs35170578	8	585869	G	A	0.245527	0.00348082	0.00960473	0.717048	0.557248	0.0905718	7.62E-10	0.00624645	0.0172659	0.7175166	0.3305814	15	0.92906635
ENSG00000260721	8	AF067845.1	1316808	rs6996519	8	1321642	C	T	0.769384	0.00622563	0.00955183	0.514547	0.697943	0.10978	2.05E-10	0.00891997	0.0137574	0.5167423	0.7334535	3	0.87134983
ENSG00000253982	8	CTD-2336O2.1	1710156	rs7465178	8	1715122	G	A	0.813121	0.00830242	0.0108908	0.445861	0.403753	0.0604145	2.34E-11	0.0205631	0.0271488	0.4487974	0.3400272	17	0.86618806
ENSG00000253764	8	RP11-439C15.4	1920736	rs4633105	8	1921428	A	G	0.696819	0.00988676	0.00900024	0.271986	0.433776	0.071094	1.05E-09	0.0227923	0.0210822	0.2796448	0.8936688	6	0.76980166
ENSG00000036448	8	MYOM2	1993155	rs4876220	8	2075378	C	T	0.446322	0.0131483	0.00808165	0.103751	0.802815	0.0873012	3.72E-20	0.0163777	0.010223	0.1091438	0.8573452	20	0.63886666
ENSG00000253444	8	AC133633.2	2350992	rs58911548	8	2368035	A	C	0.421471	0.0120276	0.00806212	0.135735	-0.658085	0.0848252	8.62E-15	-0.0182767	0.0124753	0.1429142	0.6943056	18	0.66588594
ENSG00000271743	8	CTD-2541M15.3	6473125	rs10092065	8	6527610	G	C	0.156064	-0.0012368	0.0117011	0.915824	0.877817	0.13849	2.32E-10	-0.0014089	0.0133316	0.9158359	0.9619274	7	0.97813375
ENSG00000253893	8	FAM85B	8025341	rs2945319	8	8088933	C	T	0.451292	0.0187119	0.00824205	0.0231894	-0.936742	0.0922207	3.06E-24	-0.0199755	0.00901573	0.02671686	0.926068	20	0.44317726
ENSG00000233609	8	RP11-62H7.2	8818710	rs6981573	8	8821318	C	T	0.354871	0.0121083	0.00824982	0.142184	0.60469	0.0906116	2.50E-11	0.020024	0.0139691	0.1517304	0.06120009	20	0.66854266
ENSG00000253678	8	RP11-981G7.3	10335001	rs11995447	8	10362343	T	A	0.295229	-0.0057705	0.00869751	0.507029	0.65105	0.0952871	8.34E-12	-0.0088634	0.013422	0.5090201	0.2802696	20	0.87134983
ENSG00000272505	8	RP11-981G7.6	10344317	rs3750314	8	10285810	C	T	0.0337972	0.0444768	0.0218777	0.0420552	-0.919951	0.148671	6.10E-10	-0.0483469	0.025032	0.05343286	0.6093694	4	0.56298992
ENSG00000184647	8	PRSS55	10383056	rs112322985	8	10363665	T	G	0.0934394	-0.0155616	0.0135832	0.251941	0.987628	0.167074	3.39E-09	-0.0157565	0.0140093	0.2607066	0.5144603	6	0.75402182
ENSG00000255020	8	AF131216.5	11203257	rs7816606	8	11205602	C	T	0.511928	0.015856	0.00824107	0.0543513	0.483083	0.0748307	1.08E-10	0.0328225	0.0178009	0.06520167	0.5605195	20	0.57851705
ENSG00000154328	8	NEIL2	11627148	rs804276	8	11625008	A	G	0.390656	0.00756996	0.008096	0.349775	0.398289	0.0624944	1.85E-10	0.0190062	0.0205445	0.3549028	0.1182901	20	0.82820583
ENSG00000206014	8	OR7E161P	11786101	rs7824564	8	11780180	G	A	0.422465	-0.0114966	0.0085229	0.177366	0.547548	0.0942408	6.24E-09	-0.0209965	0.0159796	0.1888597	0.2788174	12	0.68577349
ENSG00000254507	8	RP11-481A20.10	11860909	rs6601641	8	11840885	A	G	0.564612	0.0053038	0.00858607	0.536759	0.494492	0.0735169	1.74E-11	0.0107258	0.0174365	0.538467	0.06587204	20	0.88159766
ENSG00000227888	8	FAM66A	12219527	rs371011242	8	12148500	T	G	0.510934	0.00384115	0.0106167	0.717499	0.757242	0.0928188	3.40E-16	0.00507255	0.014034	0.717765	0.1543096	20	0.92906635
ENSG00000255556	8	RP11-351I21.6	12236188	rs13270267	8	11444837	T	C	0.435388	0.0197134	0.00817752	0.0159225	0.560123	0.101723	3.66E-08	0.0351948	0.0159373	0.02722187	0.1397825	20	0.44317726
ENSG00000198791	8	CNOT7	17086737	rs73198600	8	17083095	C	T	0.0715706	0.0212642	0.0158458	0.179614	0.457337	0.0756703	1.51E-09	0.0464957	0.0354918	0.1901818	0.3016298	3	0.68577349
ENSG00000129422	8	MTUS1	17501304	rs71526144	8	17507915	T	G	0.130219	0.00028584	0.0105394	0.978363	-0.337045	0.0548526	8.02E-10	-0.0008481	0.0312703	0.9783636	0.6985631	15	0.99330845
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.452919	0.0528154	9.86E-18	0.0112536	0.0186533	0.5463064	0.1303361	20	0.88795008
ENSG00000147408	8	CSGALNACT1	19261672	rs17407149	8	19274848	G	A	0.40159	-0.0073484	0.00811139	0.364968	0.418691	0.0626608	2.36E-11	-0.0175509	0.0195505	0.3693323	0.5897121	13	0.82957799
ENSG00000197181	8	PIWIL2	22132810	rs4871992	8	22146385	A	G	0.50497	0.00496667	0.00808377	0.538951	-0.735022	0.086166	1.46E-17	-0.0067572	0.0110265	0.5400002	0.4009227	20	0.88333366
ENSG00000120910	8	PPP3CC	22298332	rs2249098	8	22400098	C	T	0.462227	0.00708769	0.00808995	0.38097	-0.37944	0.0626876	1.42E-09	-0.0186793	0.0215429	0.3859011	0.4152195	17	0.8319892
ENSG00000241852	8	C8orf58	22457114	rs1545837	8	22477807	C	T	0.371769	0.00491768	0.00870068	0.571933	0.444468	0.0676969	5.18E-11	0.0110642	0.0196479	0.5733507	0.4764807	10	0.89837656
ENSG00000134020	8	PEBP4	22570769	rs6557603	8	22792796	G	A	0.813121	0.0134393	0.00967072	0.164624	0.641576	0.0831554	1.21E-14	0.0209473	0.0153159	0.171412	0.2345748	14	0.67238185
ENSG00000173535	8	TNFRSF10C	22941868	rs11989235	8	22945600	G	A	0.16004	-0.0201206	0.00969198	0.0378931	0.511286	0.0778512	5.12E-11	-0.0393529	0.0198806	0.04776382	0.1392107	18	0.54577156
ENSG00000228451	8	SDAD1P1	26236775	rs11774142	8	26274581	C	T	0.101392	0.00153021	0.0109625	0.888987	0.767766	0.105948	4.27E-13	0.00199307	0.0142811	0.8890077	0.421665	5	0.97813375
ENSG00000015592	8	STMN4	27092840	rs10481349	8	27104727	A	G	0.37674	-0.0143537	0.00836965	0.0863515	-0.656895	0.0746634	1.39E-18	0.0218508	0.012981	0.09231912	0.6291045	10	0.61192083
ENSG00000104228	8	TRIM35	27142404	rs11995424	8	27091315	A	T	0.214712	-0.0206058	0.00991062	0.0376028	-0.490144	0.08676	1.61E-08	0.0420403	0.0215457	0.0510314	0.9501969	4	0.5491704
ENSG00000120915	8	EPHX2	27348296	rs56892563	8	27404125	A	G	0.0606362	0.0419307	0.0180278	0.0200244	0.876764	0.119599	2.29E-13	0.0478244	0.0215718	0.02662425	0.07546767	13	0.44317726
ENSG00000147419	8	CCDC25	27590835	rs6993868	8	27613012	C	T	0.440358	-0.0239905	0.00806035	0.00291689	0.339236	0.0472219	6.78E-13	-0.0707192	0.0257189	0.00596494	0.5673599	13	0.2764859
ENSG00000134014	8	ELP3	27947190	rs2290369	8	27957556	A	G	0.43837	0.00527658	0.00806828	0.513118	0.458098	0.0567341	6.78E-16	0.0115185	0.0176702	0.514494	0.9075043	19	0.87134983
ENSG00000176209	8	SMIM19	42396298	rs2084709	8	42423190	G	A	0.610338	-0.0008239	0.00836898	0.921577	-0.522364	0.0598009	2.44E-18	0.00157726	0.0160224	0.9215821	0.7499395	15	0.98060924
ENSG00000034239	8	EFCAB1	49623348	rs3750259	8	49647910	A	C	0.605368	0.00063178	0.00828332	0.939203	-0.353121	0.0511865	5.25E-12	-0.0017891	0.0234589	0.9392065	0.552762	4	0.98649544
ENSG00000167904	8	TMEM68	56608983	rs56280373	8	56654010	C	T	0.201789	0.0201981	0.0104561	0.0533949	0.480609	0.0834375	8.41E-09	0.0420261	0.0229467	0.06703191	0.7687581	5	0.57851705
ENSG00000008988	8	RPS20	56979854	rs2976044	8	56986737	G	A	0.230616	0.00920969	0.0107445	0.391361	0.231744	0.0383046	1.45E-09	0.0397408	0.0468267	0.3960601	0.5254429	9	0.83797147
ENSG00000215117	8	LINC00588	58192102	rs73609764	8	58192971	A	G	0.189861	-0.0094574	0.0103205	0.359475	0.902042	0.134171	1.78E-11	-0.0104844	0.0115471	0.363892	0.4057261	14	0.82820583
ENSG00000254081	8	CTD-3025N20.2	66439243	rs62507575	8	66478721	T	C	0.523857	0.0122212	0.00808754	0.130758	0.433218	0.0569202	2.72E-14	0.0282103	0.0190329	0.1382915	0.3461314	15	0.66149748
ENSG00000272010	8	CTD-3025N20.3	66504085	rs73236948	8	66521411	G	T	0.38668	-0.0130605	0.00866188	0.131602	-0.516764	0.058939	1.82E-18	0.0252736	0.0170078	0.1372792	0.5201616	18	0.66149748
ENSG00000104442	8	ARMC1	66514694	rs4737750	8	66550959	C	G	0.612326	0.0151231	0.00859487	0.0784856	-0.324215	0.0525187	6.69E-10	-0.0466453	0.0275656	0.09061605	0.9607203	6	0.61192083
ENSG00000147576	8	ADHFE1	67342420	rs2719006	8	67382165	T	C	0.549702	0.00280069	0.00812518	0.730325	0.411839	0.0497172	1.19E-16	0.00680045	0.0197461	0.7305495	0.7273204	20	0.93390991
ENSG00000221947	8	XKR9	71581600	rs2732092	8	71918599	A	G	0.512922	-0.0161546	0.00805371	0.0448704	0.961202	0.0838112	1.90E-30	-0.0168067	0.00850598	0.04817004	0.5322537	11	0.54577156
ENSG00000260398	8	RP11-594N15.3	79518187	rs73244988	8	79515264	C	A	0.0884692	-0.0031324	0.0122305	0.797867	0.757843	0.124927	1.31E-09	-0.0041332	0.0161529	0.7980421	0.2662071	7	0.95149298
ENSG00000254352	8	RP11-578O24.2	79636031	rs2953477	8	79624605	C	T	0.715706	0.0106739	0.00910373	0.241008	0.719412	0.104891	6.95E-12	0.014837	0.012838	0.2477997	0.1414985	9	0.73912788
ENSG00000104231	8	ZFAND1	82613569	rs60648888	8	82625380	T	C	0.202783	-0.0066365	0.00937951	0.479223	-0.449196	0.064311	2.85E-12	0.0147742	0.0209875	0.4814644	0.2872721	9	0.87134983
ENSG00000104497	8	SNX16	82711816	rs12545508	8	82774442	T	C	0.266402	-0.0055177	0.00830194	0.506286	-0.431788	0.0601334	6.95E-13	0.0127788	0.0193091	0.5080971	0.01051352	16	0.87134983
ENSG00000133739	8	LRRCC1	86019382	rs62525429	8	86065020	A	G	0.0904573	0.00653595	0.0127115	0.607128	0.487615	0.0607899	1.05E-15	0.0134039	0.0261222	0.6078653	0.5061747	12	0.90506093
ENSG00000253549	8	RP11-317J10.2	86354080	rs1493302	8	86349280	C	T	0.599404	0.00352724	0.00857255	0.680738	0.468315	0.0718626	7.18E-11	0.00753177	0.0183415	0.6813367	0.5027138	10	0.92906635
ENSG00000176623	8	RMDN1	87480486	rs13254675	8	87353594	T	C	0.272366	0.0145782	0.00925007	0.115023	0.391134	0.0410367	1.55E-21	0.0372716	0.0239705	0.1199706	0.5248887	18	0.64371605
ENSG00000174226	8	SNX31	101585116	rs1693560	8	101680292	G	A	0.469185	-0.0028437	0.00813132	0.726549	0.954197	0.0838781	5.51E-30	-0.0029802	0.00852566	0.7266733	0.6094401	19	0.93253474
ENSG00000070756	8	PABPC1	101698044	rs1693591	8	101673265	G	T	0.434394	-0.0044557	0.00814507	0.58435	0.284084	0.0440411	1.12E-10	-0.0156844	0.0287743	0.5856953	0.6887509	9	0.90172406
ENSG00000248599	8	RP11-302J23.1	102064282	rs73272224	8	102064351	T	G	0.0208748	0.0117035	0.0506858	0.81739	1.28499	0.222097	7.22E-09	0.00910785	0.0394759	0.8175329	0.9869129	6	0.95914209
ENSG00000271830	8	RP11-1C8.7	104493494	rs13264879	8	104505025	C	T	0.385686	0.0104578	0.00810694	0.197057	0.560061	0.0688264	4.04E-16	0.0186726	0.0146559	0.2026381	0.7402282	18	0.69976435
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.03421	0.10195	3.51E-24	-0.0052221	0.00936714	0.5771944	0.5362338	12	0.89882852
ENSG00000156795	8	WDYHV1	124428965	rs11784379	8	124455070	G	A	0.312127	0.0053192	0.00834675	0.523944	-0.480206	0.0657975	2.92E-13	-0.0110769	0.0174477	0.5255182	0.7921931	4	0.87311801
ENSG00000164983	8	TMEM65	125324231	rs4316135	8	125155706	A	G	0.803181	0.00125622	0.00974889	0.897471	-0.374807	0.0651761	8.89E-09	-0.0033516	0.026017	0.8974958	0.4644534	5	0.97813375
ENSG00000259820	8	AC083843.1	135804263	rs737196	8	135847442	C	T	0.372763	0.00369799	0.00846404	0.66218	-0.426433	0.0562525	3.44E-14	-0.0086719	0.0198814	0.6627046	0.3115265	5	0.92695413
ENSG00000253210	8	RP11-809O17.1	142136143	rs7816501	8	142136964	T	C	0.461233	0.00029551	0.00815358	0.971089	-0.692984	0.0805105	7.48E-18	-0.0004264	0.011766	0.9710892	0.32622	8	0.99153074
ENSG00000171045	8	TSNARE1	143293441	rs60811751	8	143386550	C	T	0.184891	0.00195406	0.0105357	0.852861	0.71119	0.105142	1.34E-11	0.00274759	0.0148198	0.8529148	0.1279127	15	0.96801944
ENSG00000261693	8	RP13-467H17.1	143485013	rs9801745	8	143485020	C	G	0.178926	-0.00144	0.0116793	0.901873	0.807339	0.126412	1.70E-10	-0.0017837	0.0144691	0.901891	0.9924846	7	0.97813375
ENSG00000167653	8	PSCA	143751726	rs4736369	8	143751698	C	T	0.464215	-0.001786	0.00816251	0.826803	0.588751	0.0947403	5.15E-10	-0.0030335	0.0138727	0.8269083	0.0413782	10	0.96159938
ENSG00000160886	8	LY6K	143781529	rs11991937	8	143844458	A	G	0.400596	0.0113928	0.00833314	0.171572	-0.487538	0.0866868	1.86E-08	-0.023368	0.0175901	0.1840198	0.1594102	14	0.68184592
ENSG00000253741	8	CTD-2292P10.4	143783670	rs1048831	8	143781858	A	G	0.468191	0.00904042	0.00811031	0.264987	-0.48279	0.0699466	5.12E-12	-0.0187254	0.0170165	0.271147	0.06510732	20	0.76338863
ENSG00000247317	8	RP11-273G15.2	144063155	rs12681773	8	144095668	A	G	0.560636	0.00973282	0.00807762	0.228237	-0.424685	0.0660975	1.32E-10	-0.0229177	0.0193518	0.2363071	0.2063268	16	0.72999889
ENSG00000253716	8	RP13-582O9.5	144362331	rs7388117	8	144361957	A	C	0.485089	0.00196807	0.00809101	0.807819	-0.505677	0.0592207	1.36E-17	-0.003892	0.0160068	0.8078947	0.8010357	20	0.95630193
ENSG00000104518	8	GSDMD	144635377	rs4874140	8	144571841	G	C	0.194831	-0.0117983	0.00960103	0.219127	-0.282703	0.049056	8.27E-09	0.0417339	0.0347251	0.2294265	0.8657601	7	0.72889676
ENSG00000255050	8	RP11-661A12.9	144655660	rs10112966	8	144683934	T	C	0.800199	-0.0007142	0.00977846	0.941776	0.794896	0.111231	8.91E-13	-0.0008985	0.0123022	0.9417789	0.6016178	8	0.98649544
ENSG00000147813	8	NAPRT1	144656955	rs10094377	8	144684150	C	T	0.800199	-0.0007023	0.0097796	0.942753	1.05854	0.0942989	3.06E-29	-0.0006634	0.00923895	0.9427546	0.6870323	20	0.98649544
ENSG00000254812	8	RP11-661A12.12	144714241	rs2242085	8	144699424	C	G	0.210736	-0.0052807	0.00993444	0.595034	-0.714449	0.106053	1.62E-11	0.00739129	0.0139483	0.5961758	0.7555307	6	0.90357711
ENSG00000181097	8	RP11-429J17.2	144778324	rs1141722	8	144780284	T	A	0.832008	0.00400449	0.00985641	0.684536	0.664622	0.114841	7.15E-09	0.00602521	0.0148666	0.6852678	0.9798726	3	0.92906635
ENSG00000178209	8	PLEC	144989321	rs11136335	8	145003777	A	G	0.413519	0.00968461	0.00826495	0.24129	-0.366312	0.0540369	1.21E-11	-0.0264381	0.0228972	0.2482354	0.9877656	20	0.73912788
ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	1.01598	0.0984996	6.06E-25	-0.0100157	0.0146502	0.4941908	0.8353442	10	0.87134983
ENSG00000071894	8	CPSF1	145618444	rs2272661	8	145618862	C	G	0.632207	-0.0031125	0.00829553	0.707511	0.936709	0.0768464	3.54E-34	-0.0033228	0.00886023	0.7076423	0.601315	17	0.92906635
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	0.946807	0.101457	1.04E-20	0.0131444	0.0185284	0.4780659	0.01572985	8	0.87134983
ENSG00000198169	8	ZNF251	145946298	rs2958484	8	145987233	G	A	0.446322	0.00536782	0.00807743	0.506341	-0.333933	0.0525436	2.08E-10	-0.0160745	0.0243207	0.5086495	0.6332428	12	0.87134983
ENSG00000196922	8	ZNF252P	146198975	rs6981609	8	146222424	T	C	0.0974155	-0.0059316	0.0120684	0.623072	0.950516	0.118082	8.31E-16	-0.0062404	0.0127203	0.623719	0.5022495	14	0.91003736
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407330	9	73986	G	A	0.44831	-0.0014228	0.00842389	0.865875	-0.7418	0.0929117	1.42E-15	0.00191804	0.0113586	0.8659046	0.6100205	9	0.97039534
ENSG00000172785	9	CBWD1	121041	rs3008143	9	193737	T	C	0.619284	0.00110801	0.00824952	0.893156	-0.636488	0.0795427	1.23E-15	-0.0017408	0.0129628	0.8931708	0.08530119	20	0.97813375
ENSG00000197646	9	PDCD1LG2	5510545	rs16923189	9	5510644	G	A	0.302187	0.0017035	0.00923366	0.85363	0.581057	0.102222	1.31E-08	0.00293173	0.0158995	0.8537068	0.7237791	4	0.96801944
ENSG00000137033	9	IL33	6215805	rs10739101	9	6427663	C	T	0.962227	-0.0041858	0.0268829	0.876266	-0.642416	0.111864	9.31E-09	0.00651568	0.0418619	0.8763113	0.7666739	18	0.97572477
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	0.769973	0.105852	3.49E-13	-0.0007525	0.0143496	0.9581796	0.3493394	14	0.98791053
ENSG00000235448	9	RP11-3L8.3	12700100	rs7030485	9	12761819	A	G	0.595427	0.00466209	0.00843651	0.580532	0.619965	0.0861677	6.25E-13	0.00751992	0.0136481	0.5816432	0.3373779	10	0.90118119
ENSG00000153714	9	LURAP1L	12775020	rs12115198	9	12763450	C	G	0.60835	0.00585003	0.00839275	0.485782	0.432238	0.0692376	4.30E-10	0.0135343	0.0195376	0.4884795	0.5542482	10	0.87134983
ENSG00000272871	9	RP11-408A13.4	14588795	rs7849480	9	14648130	A	G	0.457256	0.0169274	0.00807289	0.0360097	0.493056	0.0745619	3.77E-11	0.0343316	0.0171766	0.04563607	0.7854962	20	0.54092126
ENSG00000215237	9	RP11-54D18.2	14993310	rs1916311	9	15019719	C	T	0.5	-0.0052414	0.00807877	0.516473	1.02781	0.0771341	1.66E-40	-0.0050996	0.00786949	0.5169693	0.2140154	20	0.87134983
ENSG00000164989	9	CCDC171	15552895	rs9298741	9	15837531	G	A	0.480119	-0.0134868	0.00807707	0.0949664	-0.458067	0.0806291	1.34E-08	0.0294429	0.0183788	0.109155	0.03651669	15	0.63886666
ENSG00000261402	9	RP11-378I6.1	19926092	rs10811277	9	19896957	G	C	0.611332	-0.0039045	0.00818378	0.633293	-0.747545	0.100855	1.24E-13	0.00522304	0.0109702	0.6339945	0.3947399	6	0.91682697
ENSG00000096872	9	IFT74	26947037	rs10967609	9	26933552	T	C	0.0467197	0.0180628	0.013485	0.180417	1.34814	0.188665	8.95E-13	0.0133983	0.0101769	0.187992	0.9458254	7	0.68577349
ENSG00000241043	9	GVQW1	32566787	rs673710	9	32564173	G	T	0.456262	0.00105343	0.00829122	0.898898	-0.499851	0.0837082	2.35E-09	-0.0021075	0.0165911	0.8989207	0.4690287	6	0.97813375
ENSG00000137074	9	APTX	32972604	rs7036559	9	33064927	G	C	0.413519	0.00043529	0.00840539	0.958699	-0.404122	0.0738093	4.37E-08	-0.0010771	0.0208001	0.9587006	0.1382824	5	0.98791053
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.830596	0.0748841	1.38E-28	-0.0006759	0.0110996	0.9514466	0.9009656	16	0.98752211
ENSG00000230453	9	ANKRD18B	33524392	rs10971548	9	33525569	A	G	0.425447	0.00218644	0.00856883	0.798598	0.543338	0.0914103	2.78E-09	0.00402409	0.0157852	0.7987793	0.4026762	4	0.95149298
ENSG00000226562	9	RP11-255A11.21	33580693	rs62546519	9	33481745	A	G	0.573559	-0.0006373	0.00850951	0.940298	-0.568629	0.0951007	2.24E-09	0.0011208	0.0149661	0.9403031	0.4288933	5	0.98649544
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.36705	0.17972	2.81E-14	0.0225245	0.0117287	0.05480016	0.4536923	5	0.56298992
ENSG00000164978	9	NUDT2	34329504	rs10971957	9	34151463	T	C	0.590457	-0.0061091	0.0082792	0.460581	0.416472	0.0581105	7.67E-13	-0.0146688	0.0199845	0.4629426	0.3714265	7	0.86904091
ENSG00000230074	9	RP11-195F19.9	34665662	rs1106069	9	34687033	T	C	0.196819	-0.0137621	0.0124192	0.267806	-0.878414	0.0928826	3.16E-21	0.015667	0.0142349	0.2710702	0.5198035	20	0.76338863
ENSG00000137135	9	ARHGEF39	35658872	rs4878626	9	35672236	T	C	0.454274	0.0210139	0.00814306	0.00986302	0.422424	0.0766072	3.50E-08	0.049746	0.0212836	0.01942374	0.8103137	4	0.39297047
ENSG00000198467	9	TPM2	35681989	rs3793540	9	35689951	T	A	0.275348	0.0154087	0.00937767	0.100357	-0.496427	0.0678393	2.52E-13	-0.0310392	0.0193607	0.1088888	0.9113722	9	0.63886666
ENSG00000137103	9	TMEM8B	35814448	rs7022281	9	35851048	T	C	0.60835	-0.012711	0.0081403	0.11841	-0.438797	0.0498155	1.27E-18	0.0289678	0.0188406	0.1241663	0.1154836	16	0.65156573
ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.01687	0.118585	9.90E-18	-0.0011169	0.0103003	0.9136538	0.07967634	10	0.97813375
ENSG00000273036	9	RP11-392E22.12	38540564	rs13291177	9	38660223	T	C	0.156064	0.0202731	0.0123156	0.0997378	-0.534997	0.0840226	1.92E-10	-0.0378939	0.0237768	0.1109959	0.1707662	6	0.64079729
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.696781	0.0924975	4.96E-14	0.0211266	0.0145459	0.1463872	0.8645843	7	0.66601785
ENSG00000106733	9	NMRK1	77675489	rs10869500	9	77707695	T	A	0.366799	-0.0057783	0.00889866	0.516118	-1.04001	0.0744767	2.58E-44	0.00555598	0.00856557	0.5165706	0.2859269	20	0.87134983
ENSG00000226237	9	RP11-276H19.1	89563614	rs4472598	9	89613598	T	C	0.728628	0.00310869	0.00911359	0.733024	0.559383	0.0968874	7.76E-09	0.00555736	0.0163206	0.7334717	0.9778399	5	0.93390991
ENSG00000234537	9	RP11-100G15.7	94894680	rs3901406	9	94896482	A	C	0.32505	-0.0072265	0.00839577	0.389389	0.75154	0.0819146	4.53E-20	-0.0096155	0.0112205	0.3914658	0.9745983	20	0.834917
ENSG00000188312	9	CENPP	95087766	rs10992348	9	95221475	C	T	0.17495	-0.0154634	0.0117426	0.187884	0.773358	0.0872135	7.49E-19	-0.0199951	0.0153504	0.1927188	0.750379	14	0.6860249
ENSG00000165233	9	C9orf89	95858500	rs10821070	9	95857959	G	C	0.884692	0.00841924	0.011925	0.480179	0.424996	0.072735	5.12E-09	0.0198102	0.0282632	0.4833543	0.6395216	4	0.87134983
ENSG00000165140	9	FBP1	97365415	rs78354893	9	97410388	T	C	0.0755467	0.0275039	0.0168975	0.103591	1.1014	0.145473	3.70E-14	0.0249718	0.0156924	0.111535	0.1425165	6	0.64079729
ENSG00000175611	9	LINC00476	98521513	rs591486	9	98650046	G	A	0.440358	0.0144771	0.00808156	0.0732335	0.928611	0.0954949	2.38E-22	0.0155901	0.00884929	0.07811485	0.4070932	20	0.58667734
ENSG00000237212	9	RP11-569G13.2	98857493	rs927968	9	98814089	T	C	0.392644	0.0156831	0.00827204	0.0579709	0.54089	0.0980437	3.45E-08	0.028995	0.0161713	0.07297415	0.4684169	6	0.58667734
ENSG00000224848	9	RP11-535M15.1	99449338	rs370198822	9	99675221	T	G	0.133201	0.0133444	0.0117721	0.256977	-1.01556	0.135026	5.43E-14	-0.0131399	0.0117226	0.2623294	0.03697663	8	0.75562273
ENSG00000233820	9	RP11-535M15.2	99488172	rs2278648	9	99483442	T	C	0.139165	0.0124054	0.0118303	0.294359	-0.595169	0.0971552	9.01E-10	-0.0208435	0.0201663	0.3013328	0.0038368	6	0.78165962
ENSG00000196312	9	HIATL2	99660348	rs3780549	9	99539526	G	A	0.0318091	0.0361934	0.0151508	0.0169001	-1.19439	0.198907	1.92E-09	-0.0303028	0.0136519	0.02644093	0.1520926	11	0.44317726
ENSG00000228376	9	RP11-520B13.4	99837953	rs4014783	9	99918427	T	C	0.479125	-0.0068331	0.00813583	0.400976	0.462742	0.0541438	1.27E-17	-0.0147666	0.0176665	0.4032373	0.1513492	15	0.84507976
ENSG00000228038	9	VN1R51P	99855976	rs10817265	9	99992220	C	T	0.511928	-0.003372	0.00807849	0.676385	0.343929	0.0584991	4.12E-09	-0.0098042	0.023548	0.6771526	0.5253042	5	0.92906635
ENSG00000159712	9	ANKRD18CP	99918852	rs10759644	9	100147434	C	T	0.390656	0.011047	0.00830539	0.183486	-0.556152	0.0608391	6.17E-20	-0.0198633	0.0150909	0.1880936	0.06003156	15	0.68577349
ENSG00000203279	9	RP11-498P14.5	99962757	rs6478095	9	100097095	A	G	0.39165	0.0123882	0.00834157	0.137515	-0.873219	0.0878234	2.71E-23	-0.0141868	0.00965864	0.1418811	0.00530558	17	0.66337789
ENSG00000136932	9	C9orf156	100666771	rs7870125	9	100650737	C	G	0.37674	0.00193498	0.00810357	0.811275	0.644336	0.0758186	1.92E-17	0.00300306	0.0125816	0.8113483	0.208202	12	0.95850779
ENSG00000095383	9	TBC1D2	100961311	rs733040	9	100972388	G	A	0.50994	0.0128062	0.00806743	0.112424	0.430096	0.04523	1.92E-21	0.0297752	0.0190168	0.1174121	0.1138711	20	0.64371605
ENSG00000119509	9	INVS	102861538	rs4237196	9	103121950	C	T	0.461233	-0.0032305	0.00806139	0.688611	0.340068	0.0612004	2.75E-08	-0.0094996	0.0237668	0.6893762	0.3298941	3	0.92906635
ENSG00000136881	9	BAAT	104122699	rs74489735	9	104120911	T	C	0.0914513	-0.0121226	0.0166684	0.467054	-0.872682	0.133104	5.51E-11	0.0138912	0.0192174	0.469774	0.7691131	11	0.86904091
ENSG00000136824	9	SMC2	106856541	rs2274725	9	106864570	T	C	0.569583	0.00585908	0.00824724	0.477439	-0.521767	0.0559062	1.03E-20	-0.0112293	0.0158521	0.4787094	0.7843034	20	0.87134983
ENSG00000136783	9	NIPSNAP3A	107509969	rs10761060	9	107395750	G	C	0.17495	-0.013554	0.00970198	0.162404	-0.457585	0.0828408	3.32E-08	0.0296207	0.0218702	0.1756128	0.5890277	14	0.67238185
ENSG00000226334	9	RP11-217B7.2	107689834	rs1800977	9	107690450	A	G	0.373757	-0.0052229	0.00815702	0.521984	-0.636587	0.110434	8.19E-09	0.00820447	0.0128925	0.5245311	0.8320686	5	0.87311801
ENSG00000106853	9	PTGR1	114312002	rs10114096	9	114361417	G	A	0.343936	-0.0117354	0.00820591	0.152684	-0.53038	0.072542	2.64E-13	0.0221264	0.015765	0.1604624	0.05119707	12	0.67203469
ENSG00000204173	9	LRRC37A5P	114353872	rs10817198	9	114393397	C	G	0.276342	0.0239201	0.00842927	0.00454339	-0.574136	0.0757749	3.54E-14	-0.0416628	0.0156776	0.00787286	0.00033894	13	0.2880349
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.514389	0.0556641	2.44E-20	-0.0019051	0.0172945	0.912286	0.02835526	20	0.97813375
ENSG00000228623	9	ZNF883	115759495	rs60471678	9	115753756	A	C	0.23161	0.00362716	0.00966537	0.707457	0.572984	0.0905835	2.52E-10	0.0063303	0.0168981	0.7079467	0.5931602	9	0.92906635
ENSG00000176386	9	CDC26	116018115	rs10817475	9	116059054	G	A	0.274354	-0.0036704	0.00887798	0.679294	-0.473669	0.0781243	1.34E-09	0.00774885	0.0187865	0.6799961	0.937614	9	0.92906635
ENSG00000136875	9	PRPF4	116037623	rs11791027	9	116105154	T	A	0.188867	-0.0007162	0.00987761	0.942195	0.485338	0.0824069	3.87E-09	-0.0014758	0.0203536	0.9421994	0.7786647	7	0.98649544
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.14395	0.0670283	2.63E-65	-0.007719	0.00714872	0.280246	0.5905442	20	0.76980166
ENSG00000056558	9	TRAF1	123664671	rs7028641	9	123691141	C	G	0.638171	0.0121106	0.00810762	0.135246	0.467799	0.0533366	1.78E-18	0.0258885	0.017581	0.1408784	0.7708675	20	0.66222219
ENSG00000197958	9	RPL12	130209953	rs2245389	9	130266566	G	A	0.682903	0.00466006	0.00892157	0.601437	0.286381	0.0420744	1.00E-11	0.0162722	0.0312444	0.6025026	0.6837495	14	0.90357711
ENSG00000171097	9	CCBL1	131595221	rs11789878	9	131675360	G	T	0.72167	-0.006368	0.00989154	0.519716	0.345288	0.0590699	5.05E-09	-0.0184426	0.0288204	0.5222284	0.811286	5	0.87280701
ENSG00000175287	9	PHYHD1	131683174	rs2417131	9	131722038	T	C	0.406561	0.00381646	0.00834286	0.647347	-0.273714	0.0456824	2.08E-09	-0.0139432	0.0305689	0.6483002	0.5182862	8	0.92179505
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.46914	0.1514	2.91E-22	0.00921151	0.010028	0.3583165	0.06309852	20	0.82820583
ENSG00000204055	9	RP11-247A12.2	131939050	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	0.936076	0.162323	8.08E-09	0.0144572	0.0158673	0.3622261	0.04022129	6	0.82820583
ENSG00000136816	9	TOR1B	132565432	rs12634	9	132573536	T	G	0.272366	0.00072973	0.00943197	0.938331	0.386634	0.0665491	6.26E-09	0.0018874	0.0243973	0.9383361	0.5888758	12	0.98649544
ENSG00000130714	9	POMT1	134378289	rs77176471	9	134388562	T	C	0.146123	-0.0146633	0.0111191	0.187251	-0.465226	0.0581201	1.20E-15	0.0315187	0.0242226	0.1931872	0.7698038	16	0.6860249
ENSG00000165695	9	AK8	135600965	rs370741	9	135694140	T	C	0.582505	-0.0005355	0.00808205	0.947177	0.512787	0.0567493	1.63E-19	-0.0010442	0.0157615	0.9471787	0.4626356	20	0.98722657
ENSG00000175164	9	ABO	136125788	rs62574567	9	136128421	G	C	0.220676	0.0145694	0.0105627	0.167793	-0.486638	0.0740192	4.88E-11	-0.0299389	0.022178	0.1770366	0.666439	15	0.67238185
ENSG00000148296	9	SURF6	136197552	rs11655	9	136207843	T	C	0.107356	-0.0221131	0.0153593	0.149946	0.646085	0.117028	3.38E-08	-0.0342263	0.0245679	0.1635811	0.01290569	6	0.67203469
ENSG00000148290	9	SURF1	136218610	rs3124767	9	136308542	C	T	0.599404	-0.007637	0.00859195	0.374079	0.447288	0.0646213	4.46E-12	-0.0170741	0.0193667	0.3779828	0.5694702	20	0.8319892
ENSG00000160323	9	ADAMTS13	136279478	rs943623	9	136267371	G	T	0.538767	-0.0050829	0.00828674	0.539624	0.367867	0.0674098	4.84E-08	-0.0138173	0.0226683	0.5421639	0.2224951	11	0.88482484
ENSG00000225756	9	DBH-AS1	136519708	rs732833	9	136520662	C	T	0.459245	0.020353	0.00817189	0.0127523	-0.343213	0.0469927	2.80E-13	-0.0593014	0.0251563	0.01840772	0.4272608	7	0.39297047
ENSG00000107147	9	KCNT1	138594031	rs11103190	9	138679895	C	T	0.235586	-0.0154482	0.0108632	0.155007	-0.380761	0.050607	5.32E-14	0.0405719	0.0290354	0.1623152	0.5744297	17	0.67203469
ENSG00000160360	9	GPSM1	139221932	rs28721414	9	139239867	G	C	0.390656	0.0041967	0.00816197	0.607128	-0.257587	0.0413171	4.54E-10	-0.0162924	0.0317938	0.6083449	0.520573	7	0.90506093
ENSG00000213221	9	DNLZ	139253932	rs57052773	9	139385701	C	T	0.0367793	-0.0061314	0.0188263	0.744665	1.5318	0.19046	8.79E-16	-0.0040027	0.0123004	0.7448667	0.5863888	8	0.93473078
ENSG00000165684	9	SNAPC4	139270029	rs41298149	9	139298732	A	G	0.0238569	-0.0336557	0.0352444	0.339617	0.998013	0.139843	9.56E-13	-0.0337227	0.0356293	0.3438997	0.8347511	5	0.8233267
ENSG00000148384	9	INPP5E	139323071	rs36066734	9	139340351	G	A	0.414513	-0.0015219	0.00855613	0.858824	-0.308318	0.0426813	5.06E-13	0.00493611	0.0277594	0.8588664	0.3505909	20	0.97005688

ENSG00000237886	9	RP11-611D20.2	139440664	rs13294808	9	139427910	T	C	0.371769	0.005295	0.00810171	0.513392	0.407082	0.0736889	3.31E-08	0.0130072	0.0200407	0.5163129	0.4424237	5	0.87134983
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-1.03933	0.0985738	5.43E-26	-0.0078842	0.0153248	0.6069229	0.2706099	5	0.90506093
ENSG00000184925	9	LCN12	139844003	rs10781528	9	139854099	G	A	0.705765	0.00311909	0.00864566	0.71827	-0.438344	0.0609013	6.13E-13	-0.0071156	0.0197482	0.71861	0.3608304	17	0.92906635
ENSG00000198454	9	C9orf141	139863695	rs908829	9	139863732	C	G	0.519881	0.00297753	0.00818979	0.716181	-0.548186	0.0981707	2.35E-08	-0.0054316	0.0149714	0.7167558	0.9996345	7	0.92906635
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-0.942139	0.163044	7.54E-09	-0.0037995	0.0248904	0.8786746	0.9392554	10	0.97732957
ENSG00000268996	9	AL807752.1	139980807	rs7390710	9	139973629	C	A	0.670974	-0.0025635	0.0084094	0.760491	-0.350204	0.0547977	1.65E-10	0.00732002	0.0240402	0.7607537	0.6501758	7	0.9413792
ENSG00000188986	9	NELFB	140149625	rs9722478	9	140169249	A	G	0.733598	-0.0012666	0.00890772	0.886931	0.500743	0.0530724	3.91E-21	-0.0025294	0.017791	0.8869443	0.00180633	13	0.97813375
ENSG00000130653	9	PNPLA7	140354404	rs10746563	9	140444078	C	T	0.447316	0.00739088	0.00829792	0.373095	0.47348	0.0683077	4.16E-12	0.0156097	0.0176695	0.3770055	0.01516189	4	0.8319892
ENSG00000197070	9	ARRDC1	140500106	rs7858572	9	140453355	A	G	0.196819	0.0275209	0.00896373	0.0021388	0.348169	0.0588274	3.25E-09	0.0790447	0.0290033	0.00642305	0.01284698	11	0.2764859
ENSG00000159247	9	TUBBP5	141044565	rs11515615	9	141060559	A	G	0.452286	0.00080903	0.00836349	0.922938	-0.70857	0.0792919	4.03E-19	-0.0011418	0.011804	0.9229421	0.6658345	20	0.98060924
ENSG00000225140	10	RP11-809C18.3	674578	rs816303	10	742875	A	C	0.0805169	-0.0322466	0.014319	0.024322	-0.369824	0.0672286	3.78E-08	0.0871945	0.0418373	0.03714818	0.9685867	5	0.48613668
ENSG00000107959	10	PITRM1	3179920	rs76088740	10	3193412	T	C	0.0447316	0.0123085	0.0179728	0.493445	-1.38248	0.153208	1.82E-19	-0.0089032	0.0130378	0.4946848	0.7429763	20	0.87134983
ENSG00000237399	10	PITRM1-AS1	3183824	rs3740611	10	3175780	G	A	0.738569	0.00070977	0.00916383	0.938263	-0.638814	0.104608	1.02E-09	-0.0011111	0.0143462	0.9382681	0.9996021	19	0.98649544
ENSG00000187134	10	AKR1C1	4934796	rs12777893	10	4960320	G	C	0.157058	-0.0066282	0.0118277	0.575209	-0.659479	0.104231	2.50E-10	0.0100507	0.0180051	0.5767002	0.6039271	13	0.89882852
ENSG00000151632	10	AKR1C2	5029967	rs67362530	10	5043504	A	G	0.131213	-0.0031119	0.0120072	0.795503	0.487397	0.0803157	1.29E-09	-0.0063848	0.0246578	0.7956853	0.3103083	5	0.95149298
ENSG00000225383	10	SFTA1P	10826400	rs10905843	10	10886414	G	T	0.405567	-0.0150853	0.00834541	0.0706659	-0.546916	0.0811814	1.62E-11	0.0275825	0.0157988	0.08083453	0.7795987	17	0.58829762
ENSG00000176236	10	C10orf111	15137384	rs11259482	10	15134999	A	T	0.193837	-0.0001997	0.0108688	0.985341	-0.420405	0.0631761	2.84E-11	0.000475	0.0258533	0.9853412	0.3107497	15	0.99422252
ENSG00000226083	10	SLC39A12-AS1	18290715	rs4373814	10	18419972	C	G	0.466203	-0.0103518	0.00820196	0.206908	0.756808	0.0994686	2.77E-14	-0.0136782	0.0109857	0.2130955	0.3387638	20	0.71031833
ENSG00000240291	10	RP11-499P20.2	18802044	rs10828911	10	18843358	A	G	0.37674	-0.0021672	0.00849113	0.798549	0.419108	0.0738512	1.39E-08	-0.0051709	0.0202805	0.7987482	0.0277884	3	0.95149298
ENSG00000241058	10	NSUN6	18834490	rs7075151	10	18882040	A	G	0.576541	4.77E-05	0.00819906	0.995357	0.394656	0.0613168	1.22E-10	0.0001209	0.0207752	0.9953569	0.291625	17	0.99706162
ENSG00000233968	10	RP11-354E11.2	19999257	rs4747384	10	20065076	A	G	0.559642	-0.0143788	0.00810044	0.0758875	0.520784	0.0915233	1.27E-08	-0.0276099	0.0162936	0.09016516	0.9005726	16	0.61192083
ENSG00000120539	10	MASTL	27443753	rs882474	10	27477865	T	G	0.602386	0.00532259	0.00850032	0.531207	0.376357	0.0548475	6.80E-12	0.0141424	0.0226796	0.5329083	0.6527231	18	0.88150043
ENSG00000224597	10	PTCHD3P1	29698331	rs2281940	10	29780160	C	T	0.375746	-0.0126008	0.00807297	0.118555	0.485454	0.0798893	1.23E-09	-0.0259567	0.0171696	0.1305883	0.00799963	8	0.6594625
ENSG00000259994	10	RP11-305E6.4	30591755	rs7094026	10	30653402	G	A	0.713718	-0.0008789	0.00912934	0.923305	0.477045	0.0748818	1.88E-10	-0.0018424	0.0191395	0.9233136	0.6697356	6	0.98060924
ENSG00000107951	10	MTPAP	30598730	rs10740816	10	30647695	A	G	0.704771	-0.0007033	0.0090182	0.937835	0.396298	0.06846	7.09E-09	-0.0017748	0.0227582	0.9378404	0.7005298	6	0.98649544
ENSG00000273038	10	RP11-479G22.8	33176189	rs2505391	10	32714751	T	C	0.552684	0.0036455	0.00819822	0.656558	0.603143	0.0718848	4.84E-17	0.00604417	0.0136116	0.6570089	0.2560706	20	0.92370535
ENSG00000233200	10	RP11-324I22.2	35508822	rs10827497	10	35559841	G	A	0.345924	0.00046808	0.00889802	0.958047	0.70209	0.10321	1.03E-11	0.00066669	0.012674	0.958048	0.936183	14	0.98791053
ENSG00000272983	10	RP11-508N22.12	38426265	rs113310430	10	39153623	T	A	0.0795229	0.00539212	0.0175336	0.75844	-0.906462	0.148822	1.12E-09	-0.0059485	0.0193675	0.7587372	0.9998484	5	0.94113656
ENSG00000215146	10	RP11-313J2.1	42827314	rs12264979	10	42793924	A	G	0.450298	0.0116958	0.00805168	0.146336	0.891056	0.0836604	1.73E-26	0.0131258	0.00911976	0.1500747	0.6741024	20	0.66736667
ENSG00000182632	10	CCNYL2	42903616	rs2505875	10	42929116	C	T	0.378728	0.0146676	0.00804146	0.0681522	0.619011	0.0855783	4.72E-13	0.0236952	0.0133975	0.07695542	0.9551565	20	0.58667734
ENSG00000185904	10	LINC00839	42970991	rs10219002	10	42420057	G	C	0.436382	-0.0114257	0.00811241	0.159004	-0.456958	0.0754586	1.40E-09	0.0250038	0.0182269	0.1701228	0.8154923	20	0.67238185
ENSG00000169826	10	CSGALNACT2	43633934	rs1270015	10	43698240	T	G	0.170974	0.00892233	0.0101671	0.38018	0.681013	0.0701849	2.92E-22	0.0131016	0.0149903	0.3821174	0.04720319	20	0.8319892
ENSG00000172661	10	FAM21C	46222648	rs565409446	10	46237433	A	G	0.0944334	0.0105239	0.0136797	0.441708	-0.852169	0.124643	8.09E-12	-0.0123495	0.0161541	0.4445793	0.253359	3	0.86618806
ENSG00000188234	10	AGAP4	46321042	rs2279435	10	45923528	A	C	0.558648	0.00046839	0.00813579	0.95409	0.848228	0.109828	1.13E-14	0.0005522	0.00959178	0.9540912	0.5216733	20	0.98791053
ENSG00000239883	10	RP11-175I17.2	46349541	rs189034378	10	46205029	C	G	0.239563	0.00028607	0.00991966	0.976993	-0.427349	0.0725401	3.83E-09	-0.0006694	0.0232124	0.9769932	0.371691	20	0.99330845
ENSG00000204177	10	BMS1P1	46737612	rs545565249	10	47048832	T	C	0.0357853	0.0192523	0.0344659	0.576441	-1.19559	0.186306	1.39E-10	-0.0161028	0.0289365	0.5778789	0.8332629	3	0.89882852
ENSG00000251079	10	BMS1P2	47228366	rs150648084	10	49205171	C	T	0.7833	0.0277651	0.0106133	0.00889529	0.667373	0.106181	3.27E-10	0.0416036	0.0172256	0.0157261	0.03094053	3	0.37885605
ENSG00000204152	10	TIMM23B	51371390	rs4838568	10	51057799	T	C	0.286282	0.00367952	0.0091457	0.687447	0.570314	0.064899	1.53E-18	0.00645174	0.0160531	0.6877566	0.9093178	20	0.92906635
ENSG00000204149	10	AGAP6	51748078	rs56223978	10	51777325	T	G	0.272366	0.00472067	0.00958674	0.622425	-0.41945	0.0661118	2.23E-10	-0.0112544	0.0229242	0.6234687	0.817098	11	0.91003736
ENSG00000188611	10	ASAH2	51942538	rs1133222	10	52516665	T	C	0.750497	0.00178985	0.00851157	0.833446	0.851488	0.0981805	4.22E-18	0.00210203	0.00999905	0.833494	0.6015865	20	0.96310148
ENSG00000231345	10	RP11-564C4.6	52415727	rs4935734	10	52358285	A	G	0.484095	0.0163081	0.0080627	0.0431082	-0.767208	0.113896	1.63E-11	-0.0212564	0.0109727	0.05271968	0.0427614	6	0.56163679
ENSG00000204147	10	ASAH2B	52499078	rs67440360	10	52508516	T	C	0.347913	-0.0005871	0.00840555	0.944312	-0.321936	0.0496531	8.95E-11	0.00182379	0.0261109	0.9443148	0.519714	11	0.98706176
ENSG00000122952	10	ZWINT	58116989	rs72800959	10	58035812	A	T	0.0477137	-0.0112381	0.0269709	0.676916	-1.06288	0.192956	3.62E-08	0.0105733	0.0254478	0.6777847	0.02159804	3	0.92906635
ENSG00000183346	10	C10orf107	63422719	rs12781756	10	63438614	G	A	0.0854871	-0.0190748	0.0112918	0.0911696	0.767708	0.0886131	4.57E-18	-0.0248464	0.0149854	0.09730999	0.3200329	17	0.63281343
ENSG00000228065	10	RP11-222A11.1	67330096	rs80074217	10	67330226	G	A	0.028827	-0.0086712	0.0252387	0.731171	1.89684	0.318418	2.57E-09	-0.0045714	0.0133278	0.7315993	0.8497006	3	0.93390991
ENSG00000108187	10	PBLD	70042417	rs2305083	10	70044937	A	C	0.198807	-0.0022531	0.00913458	0.805177	0.323517	0.0570566	1.43E-08	-0.0069643	0.0282619	0.8053573	0.6596877	12	0.95426755
ENSG00000138346	10	DNA2	70173821	rs61856469	10	70245489	G	T	0.0586481	-0.0290938	0.0163107	0.0744681	-1.04472	0.122377	1.38E-17	0.0278484	0.0159497	0.08080771	0.218211	19	0.58829762
ENSG00000122912	10	SLC25A16	70237756	rs142458817	10	70285448	A	G	0.105368	-0.0104958	0.0117051	0.369884	0.799028	0.0999935	1.34E-15	-0.0131357	0.0147411	0.3728792	0.6954235	20	0.8319892
ENSG00000042286	10	AIFM2	71857979	rs4746967	10	71895879	G	A	0.621272	-0.0062252	0.00853927	0.465996	0.351944	0.0558455	2.94E-10	-0.0176881	0.0244249	0.4689549	0.7001341	15	0.86904091
ENSG00000079332	10	SAR1A	71907045	rs28391623	10	71917017	A	G	0.440358	0.00129452	0.00805806	0.87237	0.39261	0.0706944	2.80E-08	0.00329722	0.0205329	0.8724227	0.2176685	6	0.97372213
ENSG00000138316	10	ADAMTS14	72432559	rs2184389	10	72415016	G	A	0.501988	-0.0037417	0.00807824	0.643233	0.431317	0.0533304	6.08E-16	-0.0086751	0.0187599	0.6437758	0.1614936	20	0.91818653
ENSG00000166321	10	NUDT13	74870217	rs59624262	10	75141746	C	G	0.0646123	-0.0006368	0.0183462	0.972309	-1.05961	0.137045	1.06E-14	0.00060101	0.0173143	0.9723095	0.7937771	3	0.99166197
ENSG00000151208	10	DLG5	79550549	rs55854323	10	79589904	T	C	0.333002	0.00161709	0.00906884	0.858477	0.3131	0.0474708	4.23E-11	0.00516477	0.0289753	0.8585285	0.8235676	6	0.97005688
ENSG00000188199	10	NUTM2B	81462983	rs10749148	10	81596500	T	G	0.576541	-0.0043351	0.00821124	0.59754	0.792976	0.096087	1.55E-16	-0.0054668	0.0103761	0.598288	0.774289	20	0.90357711
ENSG00000228570	10	NUTM2E	81601114	rs1834878	10	81432400	C	T	0.202783	0.00692852	0.00892507	0.437572	1.16413	0.107794	3.46E-27	0.00595167	0.00768651	0.4387529	0.9737258	20	0.86618806
ENSG00000242600	10	MBL1P	81664654	rs45558131	10	81679949	A	G	0.111332	0.0130664	0.0140428	0.352128	0.917509	0.131898	3.50E-12	0.0142412	0.0154417	0.3563952	0.9335296	20	0.82820583
ENSG00000133661	10	SFTPD	81697496	rs2255601	10	81704559	G	A	0.599404	0.0165412	0.00816172	0.0426953	0.539552	0.0730129	1.47E-13	0.0306573	0.0156854	0.05064104	0.8921394	20	0.5491704
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	0.941785	0.121097	7.42E-15	0.00701611	0.0132577	0.5966606	0.5259935	20	0.90357711
ENSG00000122359	10	ANXA11	81910645	rs9645553	10	81949685	C	T	0.238569	0.0100429	0.00965817	0.298416	-0.428942	0.0630065	9.90E-12	-0.0234132	0.0227774	0.3039905	0.4045618	18	0.78165962
ENSG00000148604	10	RGR	86004809	rs2279228	10	86004736	G	A	0.491054	0.00276043	0.0080484	0.731616	0.613646	0.0787696	6.68E-15	0.00449841	0.0131284	0.7318642	0.9541908	6	0.93390991
ENSG00000122376	10	FAM35A	88853918	rs669007	10	88961402	G	C	0.838966	0.020644	0.0105404	0.0501649	-0.619742	0.0980263	2.58E-10	-0.0333106	0.0178051	0.06136683	0.4875033	6	0.5662877
ENSG00000184923	10	NUTM2A	88985205	rs4480448	10	89113320	A	G	0.808151	-0.0047844	0.0107757	0.657046	0.877037	0.103583	2.52E-17	-0.0054551	0.0123034	0.6574865	0.7534437	8	0.92370535
ENSG00000232229	10	LINC00865	91589267	rs12763878	10	91596427	C	G	0.151093	-0.0089447	0.0110858	0.419746	1.29323	0.0943361	9.00E-43	-0.0069166	0.00858701	0.4205481	0.7204969	20	0.8550524
ENSG00000228701	10	TNKS2-AS1	93542596	rs10748564	10	93470997	C	A	0.583499	-0.0002092	0.00875579	0.98094	-0.814441	0.0818908	2.64E-23	0.00025683	0.0107507	0.9809404	0.9797217	18	0.99421302
ENSG00000148690	10	FRA10AC1	95427640	rs1998840	10	95460373	G	T	0.132207	-0.0175233	0.0146115	0.230419	0.792827	0.0964887	2.09E-16	-0.0221023	0.0186249	0.2353429	0.977364	20	0.72999889
ENSG00000171160	10	MORN4	99374310	rs11189303	10	99393234	A	G	0.213718	-0.0270449	0.00977719	0.00567283	-0.352705	0.0485086	3.57E-13	0.0766785	0.0296588	0.00972792	0.2220885	8	0.32625505
ENSG00000119943	10	PYROXD2	100143322	rs7921146	10	100186601	A	G	0.213718	3.15E-05	0.00960964	0.997383	0.437908	0.0593226	1.56E-13	7.20E-05	0.0219444	0.9973832	0.3726816	15	0.99785389
ENSG00000095485	10	CWF19L1	101992055	rs17882431	10	101981153	T	C	0.427435	-0.005783	0.00852994	0.497791	0.881358	0.0803291	5.22E-28	-0.0065615	0.00969664	0.4986097	0.01542057	20	0.87134983
ENSG00000196072	10	BLOC1S2	102033713	rs6584357	10	102050344	T	A	0.0576541	0.00385282	0.017285	0.823614	-0.587497	0.0668835	1.58E-18	-0.006558	0.0294309	0.8236695	0.01257187	8	0.9610233
ENSG00000075826	10	SEC31B	102246399	rs10509744	10	102271579	T	C	0.191849	0.0295779	0.00955345	0.00196119	-0.39041	0.0569172	6.92E-12	-0.0757611	0.0268475	0.00477395	0.7961731	8	0.27413416
ENSG00000272572	10	RP11-179B2.2	102670860	rs12765046	10	102717733	A	G	0.44334	0.0150172	0.00807996	0.0630885	0.527339	0.0959946	3.94E-08	0.0284773	0.0161753	0.07831589	0.2172266	4	0.58667734
ENSG00000055950	10	MRPL43	102729215	rs11594686	10	102759756	C	A	0.318091	-0.0005943	0.00918681	0.948421	0.330834	0.0522647	2.45E-10	-0.0017964	0.0277701	0.9484237	0.04177543	8	0.98752211
ENSG00000107819	10	SFXN3	102790991	rs76529895	10	102795731	A	G	0.105368	0.0137092	0.0151608	0.365862	-0.708664	0.0980316	4.87E-13	-0.0193451	0.0215602	0.3695799	0.5919729	7	0.82957799
ENSG00000269609	10	RP11-18I14.10	104209574	rs1133932	10	104215975	G	A	0.0944334	-0.0058032	0.0179323	0.746229	-0.678945	0.113504	2.21E-09	0.00854732	0.0264506	0.7465874	0.7256225	13	0.93473078
ENSG00000138111	10	TMEM180	104221149	rs3740414	10	104232809	G	T	0.563618	0.0075609	0.00807567	0.34914	-0.543959	0.0625541	3.44E-18	-0.0138998	0.0149319	0.3519173	0.7996009	20	0.82820583
ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.523865	0.0681279	1.48E-14	0.00716715	0.0187798	0.7027265	0.3011445	19	0.92906635
ENSG00000214435	10	AS3MT	104629273	rs7085104	10	104628873	G	A	0.349901	-0.0166793	0.00860744	0.0526502	-0.746171	0.0795539	6.63E-21	0.0223532	0.0117791	0.05773553	0.2097154	20	0.56298992
ENSG00000065621	10	GSTO2	106028631	rs276204	10	106035313	G	C	0.368787	-0.0128347	0.00868268	0.139355	-0.494218	0.0785905	3.21E-10	0.0259697	0.0180474	0.1501575	0.04021962	9	0.66736667
ENSG00000228261	10	RP11-127L20.3	106083127	rs505701	10	106073566	C	T	0.33499	-0.018021	0.00878545	0.0402448	-0.792725	0.107567	1.71E-13	0.022733	0.0115039	0.04814194	0.3961231	19	0.54577156
ENSG00000232934	10	RP11-324O2.3	114165977	rs2900946	10	114191550	C	T	0.297217	0.0216002	0.00872005	0.0132465	0.540735	0.0930784	6.27E-09	0.039946	0.017531	0.02269157	0.3290348	4	0.44317726
ENSG00000165806	10	CASP7	115438942	rs7918733	10	115439394	T	C	0.39662	0.00469551	0.00841353	0.576782	0.417164	0.0522422	1.40E-15	0.0112558	0.0202176	0.5777104	0.4652193	17	0.89882852
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.890593	0.075889	8.39E-32	0.0124611	0.00921856	0.1764571	0.7548548	14	0.67238185
ENSG00000120008	10	WDR11	122610687	rs12242204	10	122614597	G	A	0.333002	-0.0056541	0.00882768	0.521853	-0.40818	0.0614475	3.08E-11	0.0138519	0.0217272	0.5237768	0.8335853	8	0.87311801
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-0.967517	0.0775176	9.45E-36	-0.003121	0.00868047	0.7191893	0.2350154	20	0.92906635
ENSG00000154473	10	BUB3	124913793	rs75742662	10	125024077	T	C	0.0387674	-0.0412125	0.0293745	0.160616	0.866005	0.148733	5.80E-09	-0.0475892	0.0348904	0.1725788	0.8548697	3	0.67238185
ENSG00000107902	10	LHPP	126150403	rs12767700	10	126270643	G	A	0.417495	-0.0007316	0.00806482	0.92772	-0.169444	0.0301288	1.87E-08	0.00431762	0.047602	0.9277289	0.8615045	6	0.98142977
ENSG00000203791	10	METTL10	126436718	rs7097254	10	126512248	C	A	0.659046	-0.0050112	0.00856678	0.55858	-0.309482	0.0549654	1.80E-08	0.0161921	0.02783	0.5606879	0.7144732	20	0.89238615
ENSG00000188690	10	UROS	127477146	rs4256900	10	127511756	T	C	0.44334	0.0199608	0.00814064	0.0142066	-0.435438	0.0465636	8.64E-21	-0.0458407	0.0193273	0.01770087	0.9434627	20	0.39297047
ENSG00000170430	10	MGMT	131265448	rs1008982	10	131445731	C	T	0.380716	0.0127442	0.00820274	0.120268	-0.556983	0.0658488	2.71E-17	-0.0228808	0.0149735	0.1264907	0.7059069	20	0.6572556
ENSG00000188385	10	JAKMIP3	133918175	rs11592585	10	133955427	G	A	0.341948	0.00114395	0.00836815	0.891265	0.701363	0.0648016	2.67E-27	0.00163104	0.0119322	0.8912743	0.1921783	20	0.97813375
ENSG00000235010	10	RP11-140A10.3	133994729	rs12313	10	134017295	G	A	0.805169	-0.0094626	0.0100816	0.347936	-0.797253	0.112536	1.40E-12	0.011869	0.0127559	0.3521266	0.3707188	12	0.82820583
ENSG00000148814	10	LRRC27	134145614	rs56678407	10	134167502	A	C	0.11829	-0.0091651	0.0115163	0.426127	0.525871	0.0774618	1.13E-11	-0.0174284	0.0220494	0.4292794	0.7690929	4	0.86426622
ENSG00000148824	10	MTG1	135207598	rs4362071	10	135227656	G	C	0.248509	-0.0057852	0.00968032	0.550089	0.796468	0.0936746	1.86E-17	-0.0072636	0.012184	0.5510709	0.4592957	11	0.88977175
ENSG00000214279	10	RP11-108K14.4	135267432	rs2265182	10	135251357	A	T	0.673956	0.00152332	0.00889516	0.864025	0.412659	0.0719509	9.73E-09	0.00369147	0.0215653	0.8640851	0.3247031	6	0.97039534
ENSG00000185627	11	PSMD13	236546	rs10794304	11	246456	A	G	0.729622	-0.0042488	0.00944205	0.65272	-0.529717	0.0598847	9.10E-19	0.00802089	0.0178478	0.6531389	0.9657483	15	0.92370535
ENSG00000142102	11	ATHL1	289135	rs7924483	11	297638	A	T	0.744533	-0.0132033	0.0091022	0.146903	0.547119	0.0619135	9.85E-19	-0.0241324	0.0168592	0.1523142	0.01774921	19	0.66854266
ENSG00000254910	11	RP11-326C3.7	310139	rs77612739	11	315745	T	G	0.128231	0.00083191	0.0123621	0.946347	0.664924	0.110525	1.79E-09	0.00125114	0.0185929	0.9463499	0.9741949	4	0.98722657
ENSG00000251661	11	RP11-326C3.11	318640	rs7480758	11	324368	A	G	0.026839	-0.016387	0.0405361	0.686024	1.27619	0.210072	1.24E-09	-0.0128406	0.0318336	0.6866798	0.9660335	4	0.92906635
ENSG00000142089	11	IFITM3	319669	rs6421983	11	320394	T	C	0.451292	0.00676262	0.00813634	0.405881	-0.281259	0.0399722	1.97E-12	-0.0240441	0.0291294	0.4091311	0.4583716	10	0.84973981
ENSG00000255328	11	RP11-326C3.12	327171	rs34481144	11	320836	T	C	0.462227	0.00717489	0.00813614	0.377856	0.818159	0.0770366	2.40E-26	0.00876955	0.00997867	0.3794935	0.754256	20	0.8319892
ENSG00000270972	11	RP11-326C3.15	333192	rs6421983	11	320394	T	C	0.451292	0.00676262	0.00813634	0.405881	0.569734	0.082301	4.44E-12	0.0118698	0.0143835	0.4092379	0.4326037	10	0.84973981
ENSG00000185187	11	SIGIRR	405716	rs35828848	11	403545	T	C	0.217694	-0.007046	0.00975895	0.47029	-0.753156	0.0852514	1.01E-18	0.00935534	0.0130006	0.4717665	0.2299537	6	0.86932046
ENSG00000174775	11	HRAS	532242	rs936460	11	636199	T	C	0.713718	-0.0078606	0.00903114	0.384088	0.325679	0.0491753	3.52E-11	-0.024136	0.0279686	0.3881552	0.6705677	20	0.8319892
ENSG00000177042	11	TMEM80	695428	rs7396568	11	658050	A	G	0.486083	-0.0034157	0.00805073	0.671369	-0.911613	0.083851	1.57E-27	0.00374685	0.00883802	0.6716045	0.8804284	20	0.92695413
ENSG00000255284	11	AP006621.5	777578	rs7104929	11	784340	G	C	0.445328	0.0004775	0.00809258	0.952948	0.635338	0.0699347	1.04E-19	0.00075157	0.0127377	0.9529495	0.1951946	20	0.98752211
ENSG00000177697	11	CD151	832843	rs4075290	11	830487	T	C	0.66501	-0.0102723	0.00955124	0.282153	0.45492	0.0539573	3.42E-17	-0.0225805	0.0211656	0.2860401	0.05219812	8	0.77446362
ENSG00000254872	11	RP13-870H17.3	1049880	rs74045675	11	1056718	C	T	0.11829	-0.0042713	0.0150095	0.77597	0.510663	0.0902441	1.53E-08	-0.0083643	0.0294293	0.7762454	0.8192997	4	0.94799946
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.739304	0.0552749	8.46E-41	0.0134621	0.0112812	0.2327413	0.8141796	20	0.72999889
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-1.04319	0.101568	9.53E-25	-0.0004883	0.0104609	0.9627716	0.7611848	3	0.98798834
ENSG00000110665	11	C11orf21	2316875	rs2651837	11	2317914	A	G	0.388668	-0.0091121	0.00829296	0.271865	-0.444352	0.0811406	4.34E-08	0.0205065	0.019035	0.2813431	0.2801088	4	0.77060384
ENSG00000005801	11	ZNF195	3360491	rs739393	11	3399740	C	G	0.791252	0.00690012	0.00989284	0.485499	0.492257	0.0782703	3.19E-10	0.0140173	0.0202201	0.4881614	0.7579232	17	0.87134983
ENSG00000167325	11	RRM1	4115937	rs2268168	11	4142069	T	C	0.346918	0.00268283	0.00821461	0.743976	0.294431	0.0498237	3.43E-09	0.00911191	0.0279425	0.7443526	0.1726044	20	0.93473078
ENSG00000110169	11	HPX	6452279	rs17821052	11	6471722	G	T	0.22664	0.0101008	0.00892794	0.257902	-0.553939	0.0924209	2.05E-09	-0.0182345	0.0164018	0.2662513	0.5252161	5	0.75775365
ENSG00000166341	11	DCHS1	6642556	rs12288043	11	6676285	G	A	0.181909	-0.0168621	0.00917604	0.066118	0.343516	0.0629376	4.81E-08	-0.0490868	0.0281855	0.08158467	0.8812555	3	0.58829762
ENSG00000175390	11	EIF3F	7991798	rs4559682	11	8015651	C	T	0.276342	0.00969353	0.00887181	0.27456	0.311377	0.0532972	5.15E-09	0.0311312	0.0289862	0.2828224	0.6381382	6	0.77166472
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	1.09905	0.110923	3.84E-23	0.0105481	0.00949004	0.2663566	0.3311428	20	0.75775365
ENSG00000133805	11	AMPD3	10329860	rs11042812	11	10474010	A	G	0.455268	-0.0085052	0.00813845	0.295996	0.355349	0.057649	7.09E-10	-0.0239346	0.0232295	0.3028438	0.4997591	5	0.78165962
ENSG00000177112	11	MRVI1-AS1	10562819	rs12278433	11	10563823	T	C	0.0954274	0.00179857	0.0151155	0.905284	-1.23954	0.150971	2.20E-16	-0.001451	0.0121957	0.9052944	0.05094634	8	0.97813375
ENSG00000072952	11	MRVI1	10594638	rs28725289	11	10737302	G	C	0.299205	0.0309558	0.00899909	0.00058197	-0.447425	0.0579602	1.17E-14	-0.0691866	0.0220196	0.00167772	0.0268367	5	0.19228317
ENSG00000247271	11	ZBED5-AS1	10879806	rs1554519	11	10904067	A	G	0.55666	0.00884571	0.008151	0.27782	-0.363413	0.0605137	1.91E-09	-0.0243407	0.0227923	0.2855506	0.9186514	4	0.77446362
ENSG00000006071	11	ABCC8	17414432	rs985136	11	17497794	G	C	0.486083	0.00201342	0.00865299	0.816006	0.453857	0.0587506	1.12E-14	0.00443624	0.0190741	0.816088	0.4644683	4	0.95850779
ENSG00000166788	11	SAAL1	18091482	rs7942794	11	18106069	T	C	0.260437	0.00636842	0.00890944	0.474736	-0.751568	0.104111	5.24E-13	-0.0084735	0.0119124	0.4768884	0.9844147	13	0.87134983
ENSG00000110768	11	GTF2H1	18343842	rs10832921	11	18380835	T	C	0.708748	-0.0054982	0.00889503	0.536493	0.467653	0.0640559	2.86E-13	-0.0117571	0.0190886	0.5379472	0.466195	7	0.88159766
ENSG00000166796	11	LDHC	18433854	rs1406580	11	18470305	T	G	0.884692	-0.031367	0.0137817	0.0228465	-1.55713	0.151076	6.56E-25	0.0201441	0.00906393	0.026253	0.8074675	13	0.44317726
ENSG00000166800	11	LDHAL6A	18477371	rs4757666	11	18480499	A	G	0.303181	0.0206672	0.00936134	0.0272634	0.835912	0.0904585	2.45E-20	0.0247241	0.0115141	0.0317704	0.2179887	17	0.47347013
ENSG00000109854	11	HTATIP2	20385231	rs11025525	11	20379963	G	C	0.536779	0.00149949	0.0080743	0.852671	0.41408	0.0527058	3.95E-15	0.00362126	0.0195048	0.8527117	0.9126925	12	0.96801944
ENSG00000171714	11	ANO5	22214722	rs10766929	11	22299077	G	T	0.671968	0.0087386	0.00914732	0.339417	-0.293978	0.0477359	7.35E-10	-0.0297254	0.0314878	0.3451557	0.9149658	8	0.8233267
ENSG00000242353	11	RP4-710M3.1	30389695	rs654710	11	30394303	G	A	0.754473	-0.0015086	0.0100732	0.880955	0.678975	0.10981	6.28E-10	-0.0022218	0.0148402	0.8809896	0.2740122	5	0.97813375
ENSG00000149089	11	APIP	34874641	rs3852516	11	34964491	G	A	0.328032	0.00359698	0.00922847	0.696707	0.923147	0.0670509	3.98E-43	0.00389643	0.0100008	0.6968221	0.0732262	20	0.92906635
ENSG00000149084	11	HSD17B12	43577986	rs57635800	11	43878485	A	G	0.303181	0.0046287	0.00878739	0.598372	-0.636755	0.0630925	5.97E-24	-0.0072692	0.0138191	0.5988691	0.2605783	20	0.90357711
ENSG00000110455	11	ACCS	44087475	rs178505	11	44084849	T	C	0.456262	0.00618176	0.00811163	0.446008	0.543684	0.0723757	5.82E-14	0.0113701	0.0149963	0.4483346	0.6642834	20	0.86618806
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	0.852556	0.110769	1.40E-14	-0.0090032	0.012792	0.4815486	0.2293297	13	0.87134983
ENSG00000205106	11	CTD-2210P24.4	45792983	rs11038665	11	45830198	G	A	0.744533	-0.0122416	0.0088845	0.168246	-0.414743	0.0749823	3.18E-08	0.0295161	0.0220763	0.1812222	0.117507	3	0.6787828
ENSG00000255190	11	TRIM51DP	49896497	rs11245579	11	50197964	T	C	0.44831	0.00221568	0.00808377	0.784016	0.56357	0.0929786	1.35E-09	0.00393151	0.0143585	0.7842305	0.2441514	16	0.94895471
ENSG00000254547	11	RP11-738O11.13	55635045	rs7939849	11	55677063	A	G	0.252485	-0.0002574	0.00885482	0.976814	0.555141	0.100605	3.43E-08	-0.0004636	0.0159508	0.9768138	0.1408905	15	0.99330845
ENSG00000134809	11	TIMM10	57295936	rs2848626	11	57283988	T	C	0.791252	-0.0046482	0.0102583	0.650462	-0.545666	0.0677464	7.98E-16	0.00851845	0.0188293	0.6509782	0.1345679	14	0.92370535
ENSG00000214872	11	SMTNL1	57308979	rs514385	11	57306011	T	C	0.439364	-0.0013974	0.00808466	0.862772	0.632968	0.0813311	7.10E-15	-0.0022077	0.0127758	0.8628051	0.2155587	9	0.97036966
ENSG00000166928	11	MS4A14	60146003	rs4939348	11	60135871	C	A	0.66004	-0.0236613	0.00840566	0.00487888	0.46218	0.0585533	2.94E-15	-0.051195	0.0193089	0.00801658	0.1653611	20	0.28805345
ENSG00000013725	11	CD6	60739115	rs2074227	11	60776781	C	T	0.357853	-0.0147868	0.0093533	0.113896	-0.745626	0.0785304	2.21E-21	0.0198314	0.0127169	0.1188902	0.339501	15	0.64371605
ENSG00000187049	11	TMEM216	61159159	rs729404	11	61221118	G	A	0.854871	0.0341325	0.0125759	0.00664508	-0.414379	0.0637208	7.87E-11	-0.0823702	0.032886	0.01225473	0.9116269	10	0.34575992
ENSG00000149485	11	FADS1	61567099	rs99780	11	61596633	T	C	0.357853	0.0252914	0.00815661	0.0019305	-0.38384	0.0662038	6.72E-09	-0.0658905	0.0240981	0.00625206	0.4437988	9	0.2764859
ENSG00000167994	11	RAB3IL1	61664773	rs739789	11	61684969	A	G	0.497018	-0.0123662	0.00842862	0.142331	-0.329195	0.0573407	9.41E-09	0.037565	0.0264266	0.1551763	0.4913797	4	0.67203469
ENSG00000162174	11	ASRGL1	62104920	rs74692811	11	62156572	A	G	0.116302	0.00017933	0.0152543	0.99062	0.520075	0.0747692	3.51E-12	0.00034482	0.029331	0.9906201	0.6489387	7	0.99531498
ENSG00000149743	11	TRPT1	63991271	rs4980506	11	63878350	G	C	0.0616302	0.00420203	0.0183957	0.819317	-0.601092	0.0883323	1.01E-11	-0.0069907	0.030621	0.8194161	0.7422173	12	0.9598955
ENSG00000173457	11	PPP1R14B	64011956	rs12421615	11	64021605	A	G	0.353877	-0.0154034	0.00822561	0.0611223	-0.235894	0.0393264	1.99E-09	0.065298	0.0365297	0.07385151	0.4102034	6	0.58667734
ENSG00000257086	11	RP11-783K16.13	64014411	rs1059440	11	63991801	C	T	0.170974	0.012547	0.0107002	0.240958	0.774791	0.116856	3.35E-11	0.016194	0.0140247	0.248223	0.3172141	20	0.73912788
ENSG00000219435	11	TEX40	64067863	rs71456309	11	64108262	G	T	0.159046	0.0151487	0.011174	0.17519	-0.6166	0.0926962	2.89E-11	-0.0245681	0.0184945	0.1840458	0.5383001	13	0.68184592
ENSG00000255200	11	AP003068.18	64941588	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-0.578744	0.0904924	1.60E-10	0.021581	0.0156685	0.1684038	0.1869521	5	0.67238185
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-0.881741	0.0930864	2.74E-21	0.014165	0.0101537	0.1629955	0.03902309	15	0.67203469
ENSG00000245532	11	NEAT1	65190245	rs674485	11	65197393	A	G	0.756461	-0.0025536	0.0109241	0.815172	-0.48171	0.0635037	3.31E-14	0.00530114	0.0226885	0.815258	0.1912206	12	0.95850779
ENSG00000172803	11	SNX32	65601112	rs17854357	11	65601560	C	G	0.161034	0.0109134	0.012092	0.366773	0.799968	0.0777512	7.91E-25	0.0136423	0.0151736	0.368611	0.5811398	16	0.82957799
ENSG00000172543	11	CTSW	65647280	rs656980	11	65656282	A	G	0.188867	0.00077634	0.0109628	0.943544	-0.588946	0.0955937	7.23E-10	-0.0013182	0.0186155	0.9435477	0.2426834	3	0.98683825

ENSG00000255320	11	RP11-755F10.1	66012311	rs2155198	11	66014300	T	C	0.173956	-0.0295182	0.0105816	0.00527764	1.30227	0.115851	2.57E-29	-0.0226667	0.00837197	0.00678015	0.06477515	17	0.2764859
ENSG00000174165	11	ZDHHC24	66288108	rs57634456	11	66250838	C	A	0.242545	0.0014091	0.00831722	0.865467	-0.386845	0.0645629	2.08E-09	-0.0036425	0.0215087	0.8655199	0.1505546	5	0.97039534
ENSG00000174080	11	CTSF	66330934	rs678397	11	66324583	C	T	0.549702	-0.0045129	0.0083907	0.590685	0.259854	0.0451058	8.36E-09	-0.017367	0.0324305	0.5922934	0.4993268	9	0.90196409
ENSG00000173715	11	C11orf80	66511922	rs35287213	11	66569509	T	G	0.111332	0.0100335	0.0223793	0.653909	-0.508736	0.0775753	5.45E-11	-0.0197224	0.0440927	0.6546625	0.3075966	7	0.92370535
ENSG00000173156	11	RHOD	66824289	rs114895445	11	66824261	T	C	0.0745527	0.0203874	0.0152377	0.18091	-0.8609	0.146791	4.50E-09	-0.0236815	0.0181545	0.1920824	0.9758992	3	0.6860249
ENSG00000172613	11	RAD9A	67159176	rs7952436	11	67024534	T	C	0.0685885	0.0242912	0.0181109	0.179841	0.605417	0.105066	8.30E-09	0.0401231	0.0307144	0.1914416	0.01818309	6	0.6860249
ENSG00000084207	11	GSTP1	67351066	rs6591249	11	67341658	A	G	0.408549	0.00044477	0.00847647	0.958154	-0.456259	0.0616648	1.37E-13	-0.0009748	0.0185787	0.9581546	0.06989788	12	0.98791053
ENSG00000197345	11	MRPL21	68658744	rs636049	11	68667198	C	A	0.300199	-0.0081456	0.0083271	0.327976	-0.833033	0.0588087	1.51E-45	0.0097782	0.0100199	0.3291265	0.4431217	20	0.80664529
ENSG00000132740	11	IGHMBP2	68671310	rs11228386	11	68628553	A	G	0.291252	-0.0093909	0.00833326	0.259778	0.478773	0.077727	7.29E-10	-0.0196145	0.0176943	0.2676392	0.7544857	14	0.75956507
ENSG00000254682	11	RP11-660L16.2	71159720	rs12793530	11	71161656	A	G	0.701789	0.00792791	0.00823298	0.335575	0.932853	0.0700044	1.64E-40	0.00849856	0.00884861	0.3368333	0.3260763	18	0.81583505
ENSG00000254997	11	KRTAP5-9	71259466	rs11234027	11	71234107	A	G	0.191849	-0.0062493	0.00907094	0.490865	0.839465	0.110966	3.88E-14	-0.0074444	0.0108503	0.4926532	0.4130962	8	0.87134983
ENSG00000214530	11	STARD10	72465774	rs519790	11	72504141	G	C	0.281312	-0.00665	0.00914589	0.467165	0.306271	0.0442534	4.49E-12	-0.0217127	0.0300264	0.4696058	0.5137897	16	0.86904091
ENSG00000175575	11	PAAF1	73587744	rs60863026	11	73633779	A	G	0.0815109	-0.0106365	0.0179451	0.553365	-0.768898	0.0962002	1.32E-15	0.0138334	0.0234028	0.5544525	0.1379179	10	0.89189107
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.28356	0.0754521	6.74E-65	0.00073582	0.00667111	0.9121714	0.5012902	20	0.97813375
ENSG00000241170	11	RP11-147I3.1	74587331	rs12225387	11	74604767	G	A	0.286282	0.00177168	0.00855138	0.835869	-0.735686	0.068994	1.52E-26	-0.0024082	0.0116259	0.8358994	0.5114711	20	0.96310148
ENSG00000149262	11	INTS4	77589766	rs4944186	11	77685935	T	C	0.0685885	1.16E-05	0.0121022	0.999235	0.787401	0.138748	1.39E-08	1.47E-05	0.0153698	0.9992348	0.3147872	7	0.9992348
ENSG00000254675	11	RP11-7I15.4	77733979	rs4378419	11	77745677	A	G	0.402584	0.0224121	0.00828751	0.00684447	-0.628578	0.089895	2.70E-12	-0.0356552	0.0141363	0.01166049	0.06721702	9	0.33863341
ENSG00000159063	11	ALG8	77811982	rs2156785	11	77850824	T	C	0.463221	0.0143622	0.00807429	0.0752801	0.403159	0.0636209	2.34E-10	0.0356242	0.0208016	0.08679204	0.6736846	11	0.60646721
ENSG00000246174	11	KCTD21-AS1	77850817	rs7101694	11	77853896	T	C	0.464215	0.0142124	0.00807694	0.0784711	-0.941297	0.0829668	7.81E-30	-0.0150987	0.00868324	0.08206333	0.1272145	20	0.58956369
ENSG00000188997	11	KCTD21	77882295	rs2156785	11	77850824	T	C	0.463221	0.0143622	0.00807429	0.0752801	0.521314	0.0643261	5.31E-16	0.02755	0.015857	0.08231644	0.1038621	18	0.58956369
ENSG00000137513	11	NARS2	78147007	rs10793337	11	78285875	T	A	0.767396	-0.0031873	0.00890594	0.720427	0.729075	0.0906498	8.78E-16	-0.0043717	0.0122275	0.7206927	0.09646115	13	0.92906635
ENSG00000245832	11	RP11-179A16.1	81590893	rs60491498	11	82433770	A	C	0.122266	-0.0014276	0.0125495	0.909428	0.838351	0.119043	1.89E-12	-0.0017029	0.0149712	0.9094399	0.8256211	6	0.97813375
ENSG00000246067	11	RAB30-AS1	82783108	rs9666461	11	82789044	A	G	0.264414	-0.0123948	0.00961145	0.197195	-0.448538	0.0798706	1.96E-08	0.0276338	0.0219861	0.2087994	0.5634642	3	0.70856835
ENSG00000137500	11	CCDC90B	82970139	rs554502	11	82936262	G	A	0.375746	-0.0024263	0.00822997	0.768141	-0.251249	0.045895	4.39E-08	0.00965676	0.0328037	0.7684675	0.4800212	7	0.94537801
ENSG00000254916	11	RP11-529A4.12	89785005	rs199918485	11	89539820	G	A	0.0735586	0.0148584	0.0137034	0.27824	1.10289	0.19703	2.17E-08	0.0134722	0.012656	0.287103	0.4077874	4	0.77634995
ENSG00000182919	11	C11orf54	93474757	rs602242	11	93490219	C	G	0.634195	0.00393727	0.00845055	0.641273	-0.650888	0.0652044	1.82E-23	-0.0060491	0.0129972	0.6416364	0.2872841	11	0.91818653
ENSG00000020922	11	MRE11A	94152895	rs59678918	11	94128955	T	C	0.351889	-0.0100979	0.0083634	0.227281	0.46758	0.0608365	1.52E-14	-0.0215961	0.0181059	0.2329619	0.7293657	17	0.72999889
ENSG00000149231	11	CCDC82	96085933	rs11021564	11	96115803	T	A	0.164016	0.0109859	0.0121632	0.366417	1.02483	0.0941548	1.37E-27	0.0107197	0.0119093	0.3680594	0.9603092	16	0.82957799
ENSG00000110660	11	SLC35F2	107661717	rs10890766	11	107716445	G	A	0.488072	0.00802794	0.00806606	0.319603	0.52194	0.0716222	3.16E-13	0.015381	0.0155975	0.3240744	0.07134544	11	0.79610397
ENSG00000197580	11	BCO2	112046190	rs11214138	11	112084061	C	T	0.262425	-0.0020484	0.00914525	0.822767	-0.545483	0.0769854	1.39E-12	0.00375524	0.0167738	0.8228542	0.6870575	10	0.9610233
ENSG00000149292	11	TTC12	113185251	rs7118188	11	113178597	T	C	0.730616	-0.0130201	0.00893398	0.145016	-0.720624	0.0785318	4.47E-20	0.0180678	0.0125529	0.1500574	0.5333857	20	0.66736667
ENSG00000166682	11	TMPRSS5	113558272	rs7114297	11	113591402	A	G	0.302187	0.00285356	0.00860488	0.740176	0.808573	0.0764329	3.73E-26	0.00352913	0.0106473	0.7402983	0.2443052	20	0.93473078
ENSG00000254851	11	RP11-109L13.1	117006244	rs236910	11	117081974	G	A	0.263419	-0.0068734	0.00884573	0.437139	1.06676	0.0976063	8.36E-28	-0.0064433	0.00831308	0.4382947	0.9006911	20	0.86618806
ENSG00000255274	11	TMPRSS4-AS1	117886487	rs45615131	11	117989951	T	A	0.32008	5.92E-05	0.00837746	0.994359	0.584898	0.0942879	5.53E-10	0.00010127	0.014323	0.9943587	0.5840285	12	0.99706162
ENSG00000177098	11	SCN4B	118004092	rs642936	11	118019906	C	T	0.420477	0.00792776	0.00826678	0.337564	0.398717	0.0583767	8.49E-12	0.0198832	0.0209368	0.3422775	0.9080449	5	0.8233267
ENSG00000110367	11	DDX6	118620034	rs568688	11	118598612	G	T	0.393638	-0.0247017	0.0081728	0.00250755	0.416572	0.0699117	2.54E-09	-0.0592976	0.0219988	0.00702857	0.1347572	19	0.2764859
ENSG00000196655	11	TRAPPC4	118889142	rs11006	11	118895202	G	A	0.229622	-0.0032697	0.0095136	0.731078	0.752619	0.06731	5.03E-29	-0.0043445	0.0126466	0.7312006	0.07456571	20	0.93390991
ENSG00000271751	11	RP11-110I1.14	118935974	rs1168570	11	118947154	C	T	0.359841	-0.0067355	0.00884334	0.44627	-0.707808	0.107927	5.45E-11	0.00951601	0.012578	0.4493119	0.179428	7	0.86618806
ENSG00000160695	11	VPS11	118938403	rs1799991	11	118957091	A	G	0.361829	-0.0078428	0.00879732	0.372664	-0.531615	0.0616211	6.29E-18	0.0147527	0.0166364	0.375201	0.1478342	8	0.8319892
ENSG00000256269	11	HMBS	118955576	rs1799993	11	118958127	A	C	0.362823	-0.007627	0.00879897	0.38605	0.471319	0.0675632	3.04E-12	-0.0161822	0.0188124	0.3896844	0.4074888	5	0.8319892
ENSG00000166261	11	ZNF202	123594885	rs11219277	11	123622332	G	A	0.574553	-0.0087794	0.00805484	0.275736	-0.321087	0.0531778	1.56E-09	0.0273426	0.0254916	0.2834455	0.5479333	13	0.77237077
ENSG00000245498	11	RP11-677M14.7	124670346	rs1783888	11	124676532	T	G	0.366799	-0.0044745	0.00873847	0.608617	0.475934	0.0599618	2.07E-15	-0.0094015	0.0183988	0.6093615	0.1671793	6	0.90506093
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.761885	0.0759839	1.16E-23	-0.0061635	0.0115264	0.5928362	0.234252	9	0.90196409
ENSG00000134940	11	ACRV1	125541417	rs592387	11	125747434	A	G	0.863817	-0.0029178	0.011643	0.802119	0.606365	0.102383	3.17E-09	-0.004812	0.0192185	0.8022917	0.587272	8	0.95179541
ENSG00000110074	11	FOXRED1	126138950	rs593526	11	126204043	G	C	0.748509	0.0199414	0.00961425	0.0380654	0.602332	0.0817605	1.74E-13	0.033107	0.0165823	0.04587636	0.8520235	20	0.54092126
ENSG00000170322	11	NFRKB	129733531	rs1940114	11	129663037	C	T	0.828032	-0.0209832	0.0133831	0.116908	0.394683	0.0718673	3.98E-08	-0.0531647	0.0352633	0.1316443	0.3242834	10	0.6594625
ENSG00000255455	11	RP11-890B15.3	130736149	rs7110591	11	130771662	T	G	0.643141	0.00151119	0.00872482	0.86249	-0.348918	0.0498695	2.62E-12	-0.0043311	0.025013	0.8625313	0.2190787	10	0.97036966
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.649003	0.0586372	1.79E-28	0.00365978	0.0124694	0.7691385	0.2817756	20	0.94537801
ENSG00000251226	11	RP11-469N6.1	134605490	rs10894873	11	134633950	T	C	0.400596	-0.0150291	0.00865706	0.0825563	0.731141	0.107663	1.11E-11	-0.0205557	0.0122213	0.09257635	0.2541529	16	0.61192083
ENSG00000120647	12	CCDC77	498439	rs11062813	12	518986	C	T	0.823062	0.0105273	0.00905421	0.244954	0.80567	0.0887225	1.08E-19	0.0130665	0.0113299	0.2487948	0.04580854	20	0.73975452
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.961055	0.0937134	1.12E-24	-0.0164644	0.0111207	0.1387332	0.9890178	20	0.66149748
ENSG00000111254	12	AKAP3	4724674	rs979877	12	4757896	C	T	0.522863	-0.0023352	0.00829202	0.778235	0.588031	0.0621887	3.21E-21	-0.0039712	0.0141076	0.7783314	0.9355815	20	0.94799946
ENSG00000111321	12	LTBR	6484211	rs10849448	12	6493351	G	A	0.737575	-0.014208	0.00945673	0.132987	-0.364894	0.0477	2.01E-14	0.0389373	0.0264115	0.1404122	0.8550518	13	0.66149748
ENSG00000139192	12	TAPBPL	6560856	rs2532496	12	6564448	G	A	0.305169	0.00134647	0.00889573	0.879691	0.783508	0.077169	3.21E-24	0.00171851	0.011355	0.8797039	0.5985815	19	0.97796134
ENSG00000111664	12	GNB3	6949118	rs1047776	12	6948692	G	A	0.645129	-0.0026755	0.00817768	0.743536	-0.38716	0.0485276	1.49E-15	0.00691066	0.02114	0.7437436	0.04171015	12	0.93473078
ENSG00000111665	12	CDCA3	6953957	rs5441	12	6949026	G	A	0.652087	-0.0026188	0.00819645	0.749345	-0.429185	0.0605435	1.35E-12	0.00610177	0.0191171	0.7495908	0.1952707	20	0.93588486
ENSG00000111671	12	SPSB2	6980099	rs2269359	12	6993653	A	G	0.303181	-0.0061624	0.00936432	0.510489	0.917967	0.0784802	1.32E-31	-0.0067131	0.0102173	0.5111568	0.1984885	17	0.87134983
ENSG00000240370	12	RPL13P5	6982553	rs66621175	12	6965805	C	T	0.318091	-0.0009752	0.00915466	0.915167	0.744307	0.0884776	4.02E-17	-0.0013102	0.0123006	0.9151737	0.7780255	12	0.97813375
ENSG00000248593	12	DSTNP2	6993846	rs7312645	12	7012189	G	A	0.298211	-0.0047273	0.00939786	0.614953	0.637912	0.0829615	1.48E-14	-0.0074106	0.0147637	0.6157071	0.6556733	10	0.90856974
ENSG00000139197	12	PEX5	7341281	rs6487053	12	7369318	C	T	0.513917	-0.0029175	0.00813056	0.719719	0.551602	0.059447	1.71E-20	-0.0052892	0.0147509	0.7199199	0.416144	19	0.92906635
ENSG00000173262	12	SLC2A14	7965108	rs6488767	12	8057859	T	G	0.393638	0.0146922	0.00813753	0.0709986	0.54059	0.0675537	1.22E-15	0.0271781	0.0154314	0.07820177	0.944945	12	0.58667734
ENSG00000164845	12	FAM86FP	8385108	rs2968741	12	8386857	C	G	0.800199	0.0209727	0.0104755	0.0452762	-0.678708	0.110378	7.80E-10	-0.0309009	0.016232	0.05694863	0.1472046	10	0.56298992
ENSG00000139187	12	KLRG1	9102640	rs56083774	12	9201390	G	C	0.264414	-0.0018766	0.00902047	0.835197	0.592674	0.069096	9.69E-18	-0.0031664	0.0152244	0.8352454	0.5707626	18	0.96310148
ENSG00000256069	12	A2MP1	9381129	rs10771463	12	9432789	C	G	0.461233	-0.0033825	0.00809453	0.676044	-0.485355	0.0838051	6.98E-09	0.00696902	0.0167209	0.6768356	0.5982244	9	0.92906635
ENSG00000256427	12	RP11-118B22.4	9399093	rs10771463	12	9432789	C	G	0.461233	-0.0033825	0.00809453	0.676044	-0.447534	0.0734279	1.10E-09	0.00755797	0.0181294	0.6767589	0.2091469	15	0.92906635
ENSG00000111788	12	RP11-22B23.1	9429831	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-1.01837	0.0785786	2.07E-38	0.00338813	0.00795562	0.6701962	0.1394671	20	0.92695413
ENSG00000256673	12	RP11-599J14.2	9550951	rs56366134	12	9549325	T	C	0.0884692	-0.0027459	0.0148392	0.853196	0.820487	0.145829	1.84E-08	-0.0033467	0.0180956	0.8532743	0.6158969	6	0.96801944
ENSG00000214776	12	RP11-726G1.1	9620148	rs55655311	12	9624045	T	C	0.457256	-0.0072471	0.00816803	0.374943	-0.61096	0.090265	1.30E-11	0.0118618	0.0134835	0.3790072	0.932065	20	0.8319892
ENSG00000256594	12	RP11-705C15.2	9787188	rs12818361	12	9755904	T	C	0.336978	0.019107	0.00847954	0.0242399	0.534292	0.0830926	1.28E-10	0.0357613	0.0168169	0.03346038	0.09805161	20	0.47347013
ENSG00000184293	12	CLECL1	9868456	rs10492165	12	9885961	G	A	0.496024	0.00844943	0.00808416	0.295938	-0.606992	0.0822292	1.56E-13	-0.0139202	0.0134512	0.3007336	0.2107184	13	0.78165962
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	2.0012	0.232685	7.94E-18	-0.0069284	0.00953116	0.4672715	0.7915455	14	0.86904091
ENSG00000172322	12	CLEC12A	10103915	rs7309256	12	10126249	T	G	0.22167	-0.0035361	0.00945518	0.708417	0.646468	0.106082	1.10E-09	-0.0054699	0.0146534	0.7089392	0.716135	7	0.92906635
ENSG00000205809	12	KLRC2	10579453	rs61917662	12	10581514	T	C	0.175944	0.00800723	0.0103534	0.439291	-0.903358	0.107647	4.79E-17	-0.0088639	0.0115096	0.4412241	0.04489374	20	0.86618806
ENSG00000134545	12	KLRC1	10594863	rs67181611	12	10703993	G	C	0.17495	-0.0222514	0.0122881	0.0701714	1.16859	0.122351	1.28E-21	-0.0190412	0.0107026	0.07522075	0.8693447	12	0.58667734
ENSG00000111215	12	PRR4	10977559	rs10772396	12	11137325	C	T	0.50497	0.00064538	0.00821339	0.937369	0.492018	0.0843063	5.34E-09	0.00131171	0.0166948	0.9373747	0.5950665	8	0.98649544
ENSG00000231887	12	PRH1	11033610	rs10492098	12	11035983	A	G	0.632207	-0.0089273	0.0084025	0.288026	-0.641587	0.0928269	4.79E-12	0.0139145	0.0132503	0.2936595	0.558185	18	0.78165962
ENSG00000212127	12	TAS2R14	11090005	rs10845221	12	10989534	G	T	0.693837	-0.0082745	0.00871121	0.34218	-0.457924	0.0755719	1.37E-09	0.0180696	0.0192556	0.3480347	0.948213	12	0.8233267
ENSG00000256274	12	TAS2R64P	11229368	rs10772413	12	11156123	T	C	0.383698	-0.0029686	0.00863855	0.731114	1.14965	0.106274	2.84E-27	-0.0025822	0.00751786	0.7312449	0.5827843	17	0.93390991
ENSG00000247157	12	RP11-434C1.1	11700964	rs10772397	12	11138683	T	C	0.657058	-0.009542	0.00840476	0.256248	-0.646769	0.09142	1.50E-12	0.0147533	0.0131613	0.2623038	0.6464902	14	0.75562273
ENSG00000255621	12	RP11-377D9.3	13153385	rs850943	12	13146916	T	C	0.789264	0.015394	0.0109364	0.159251	0.767513	0.139027	3.38E-08	0.020057	0.014705	0.1725816	0.7962218	6	0.67238185
ENSG00000182993	12	C12orf60	14956506	rs11610238	12	14975721	T	C	0.589463	0.00395941	0.00811269	0.625514	-0.669116	0.093403	7.85E-13	-0.0059174	0.0121526	0.6263131	0.5711218	9	0.91068846
ENSG00000139055	12	ERP27	15066969	rs918122	12	15071270	T	C	0.620278	-0.0047414	0.00899473	0.598104	0.500881	0.0847189	3.37E-09	-0.0094661	0.0180291	0.5995513	0.00595777	10	0.90357711
ENSG00000121350	12	PYROXD1	21590549	rs4762833	12	21605755	G	A	0.44831	0.00821305	0.00810398	0.310841	-0.388595	0.0584598	2.99E-11	-0.0211352	0.0210956	0.3164009	0.4569893	15	0.79007056
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.66003	0.146015	5.97E-30	-0.0081697	0.00819299	0.31869	0.5431784	11	0.79207218
ENSG00000247934	12	RP11-967K21.1	28316231	rs2019011	12	28381077	T	C	0.404573	-0.0131325	0.00813889	0.106624	0.480775	0.0710257	1.30E-11	-0.0273153	0.017403	0.1165146	0.4526974	20	0.64371605
ENSG00000257176	12	RP11-996F15.2	29433351	rs9651802	12	29525436	G	T	0.301193	0.00593423	0.0088341	0.501748	0.74716	0.0865268	5.87E-18	0.00794238	0.0118593	0.5030376	0.9808909	8	0.87134983
ENSG00000087502	12	ERGIC2	29490285	rs966541	12	29491528	G	A	0.284294	0.00613617	0.00887294	0.489213	-0.274002	0.045395	1.58E-09	-0.0223946	0.0325946	0.4920417	0.9981397	4	0.87134983
ENSG00000133704	12	IPO8	30781922	rs11051048	12	30895717	A	G	0.237575	0.0089451	0.0091062	0.325948	-0.445569	0.0624844	9.97E-13	-0.0200757	0.0206302	0.3304941	0.9480984	14	0.80862302
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	0.725	0.0840985	6.65E-18	0.0105068	0.0178143	0.5553284	0.3007443	8	0.89189107
ENSG00000013573	12	DDX11	31226779	rs10771801	12	31248336	A	G	0.430417	-0.0110983	0.0081515	0.173356	-1.04913	0.0673245	9.47E-55	0.0105786	0.00779937	0.174992	0.9746839	20	0.67238185
ENSG00000258181	12	RP11-493L12.4	47641907	rs214715	12	47658724	A	C	0.292247	-0.0039628	0.00931881	0.670655	0.667994	0.112494	2.88E-09	-0.0059324	0.0139862	0.6714467	0.4690614	3	0.92695413
ENSG00000079337	12	RAPGEF3	48128455	rs12423645	12	48143978	T	C	0.145129	-0.010071	0.0118797	0.396578	0.408502	0.0653125	3.99E-10	-0.0246535	0.029347	0.4008707	0.4317434	5	0.84143157
ENSG00000240399	12	RP1-228P16.1	48448596	rs4760622	12	48591960	A	C	0.234592	0.0443941	0.0110567	5.94E-05	-0.705951	0.10322	7.96E-12	-0.0628855	0.0181616	0.00053509	0.4729983	20	0.11400133
ENSG00000161798	12	AQP5	50355653	rs3782319	12	50345079	A	G	0.189861	0.0142796	0.0108704	0.188972	-0.525337	0.0776873	1.36E-11	-0.0271818	0.0210791	0.1972186	0.9705888	7	0.69450462
ENSG00000272368	12	RP4-605O3.4	50505980	rs12824125	12	50558974	G	A	0.399602	-0.0016096	0.00831698	0.846542	0.513488	0.0725005	1.42E-12	-0.0031347	0.0162031	0.8465981	0.3648956	13	0.96801944
ENSG00000139624	12	CERS5	50523575	rs6580728	12	50541127	G	A	0.342942	-0.0023379	0.00882095	0.790981	-0.466696	0.0566794	1.81E-16	0.00500941	0.0189106	0.7910874	0.9698842	20	0.95149298
ENSG00000139629	12	GALNT6	51745031	rs2241545	12	51754629	G	A	0.2833	-0.0028563	0.00857962	0.739197	-0.312733	0.0509576	8.40E-10	0.00913338	0.0274747	0.7395652	0.06550502	3	0.93473078
ENSG00000111077	12	TENC1	53440753	rs11610008	12	53440582	T	C	0.605368	-0.0130565	0.00807522	0.105909	0.255867	0.0389447	5.03E-11	-0.0510285	0.0325019	0.1164115	0.3592121	7	0.64371605
ENSG00000135476	12	ESPL1	53662083	rs1379610	12	53681683	G	A	0.326044	0.00553304	0.00865349	0.522562	0.710954	0.103435	6.27E-12	0.00778256	0.0122242	0.5243521	0.6305294	7	0.87311801
ENSG00000135390	12	ATP5G2	54026510	rs12818213	12	54072007	G	A	0.306163	0.0120044	0.00937359	0.200313	0.408242	0.0557545	2.44E-13	0.0294051	0.0233094	0.2071245	0.07997194	13	0.70709169
ENSG00000139531	12	SUOX	56390964	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	0.374802	0.0680256	3.59E-08	-0.0533346	0.0238368	0.02525468	0.8090051	8	0.44317726
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-0.994932	0.0642503	4.36E-54	0.0200917	0.00830777	0.01558783	0.4450797	20	0.37885605
ENSG00000257303	12	RP11-977G19.11	56693926	rs2066818	12	56753822	A	C	0.0636183	-0.0053403	0.0177429	0.763428	-1.06757	0.106762	1.53E-23	0.0050023	0.0166274	0.7635314	0.8415862	20	0.94317813
ENSG00000166881	12	TMEM194A	57449426	rs62621200	12	57472544	T	C	0.0159046	0.0546971	0.0285217	0.0551442	1.31516	0.210513	4.17E-10	0.0415897	0.0226856	0.06675704	0.9225997	5	0.57851705
ENSG00000123427	12	METTL21B	58165275	rs11172351	12	58213485	T	C	0.319085	-0.022364	0.00849209	0.00845065	0.714526	0.0735984	2.78E-22	-0.0312991	0.0123144	0.01103277	0.1329964	20	0.32999651
ENSG00000123297	12	TSFM	58176372	rs11172351	12	58213485	T	C	0.319085	-0.022364	0.00849209	0.00845065	-0.392291	0.0683137	9.33E-09	0.0570087	0.0238153	0.01667536	0.4423209	12	0.3842583
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.847241	0.0887481	1.34E-21	0.0349644	0.0107674	0.00116526	0.5755834	20	0.15439722
ENSG00000177990	12	DPY19L2	63952693	rs7957467	12	64063442	A	C	0.197813	-0.001212	0.0100533	0.904044	-0.504097	0.0659874	2.18E-14	0.00240424	0.0199457	0.9040558	0.5846999	20	0.97813375
ENSG00000239335	12	RP11-745O10.2	66524531	rs4328252	12	66503562	C	T	0.4334	0.0142186	0.00805741	0.0776211	-0.973244	0.0819699	1.63E-32	-0.0146095	0.00836986	0.08089995	0.0742127	12	0.58829762
ENSG00000127311	12	HELB	66696325	rs2118140	12	66698461	G	A	0.534791	-0.0047207	0.00819797	0.564728	0.551438	0.0784355	2.06E-12	-0.0085606	0.0149163	0.566028	0.2600292	8	0.89304677
ENSG00000111581	12	NUP107	69080514	rs2439744	12	69032598	G	A	0.689861	-0.010633	0.0085441	0.213323	0.414437	0.0611658	1.24E-11	-0.0256565	0.020961	0.2209485	0.6268743	12	0.72397345
ENSG00000127337	12	YEATS4	69753483	rs76304565	12	69784251	G	T	0.0457256	-0.0439027	0.0306926	0.152602	1.14949	0.145591	2.90E-15	-0.0381932	0.0271357	0.1592828	0.8943864	9	0.67203469
ENSG00000166268	12	MYRFL	70219084	rs201437318	12	70169170	C	T	0.0616302	0.00855558	0.0148793	0.565291	1.40777	0.179817	4.92E-15	0.0060774	0.0105979	0.5663372	0.1859918	16	0.89304677
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-0.957153	0.063713	5.20E-51	-0.0039679	0.00877688	0.6512062	0.3027438	20	0.92370535
ENSG00000111615	12	KRR1	75890684	rs1501634	12	75890333	G	A	0.234592	0.00907255	0.00985204	0.357113	0.558839	0.0678849	1.84E-16	0.0162346	0.0177394	0.3601013	0.4378938	20	0.82820583
ENSG00000257431	12	RP11-263K4.3	82906456	rs4561274	12	82779837	T	G	0.754473	0.00487732	0.0101555	0.631042	-0.628927	0.106945	4.08E-09	-0.007755	0.0162011	0.6321732	0.4954272	7	0.91631805
ENSG00000136014	12	USP44	95910336	rs6538643	12	95943104	A	C	0.28827	0.0133458	0.00933013	0.152603	0.66125	0.0971517	1.00E-11	0.0201827	0.0144181	0.1615672	0.8463464	4	0.67203469
ENSG00000166130	12	IKBIP	99007183	rs12581119	12	99112323	G	A	0.276342	-0.0128467	0.00895644	0.151472	0.456654	0.0686991	2.99E-11	-0.0281322	0.0200646	0.1608907	0.8578412	11	0.67203469
ENSG00000111666	12	CHPT1	102090725	rs7970837	12	102081576	G	A	0.609344	0.0181036	0.00811906	0.0257626	0.315271	0.049515	1.93E-10	0.0574223	0.0272861	0.0353389	0.00461216	6	0.47347013
ENSG00000120860	12	CCDC53	102406705	rs78709810	12	102490626	A	G	0.0347913	0.0124644	0.0218369	0.56814	-0.874967	0.138097	2.36E-10	-0.0142456	0.0250585	0.5697003	0.2313258	11	0.89464047
ENSG00000257681	12	RP11-341G23.4	104140093	rs11111765	12	104172519	C	G	0.247515	-0.0100726	0.00986399	0.307185	0.729099	0.101114	5.57E-13	-0.0138151	0.013664	0.3119875	0.3392036	19	0.78515847
ENSG00000204954	12	C12orf73	104343980	rs2723875	12	104368449	C	A	0.28827	0.0015901	0.00969758	0.869756	-0.452028	0.0702554	1.24E-10	-0.0035177	0.0214605	0.8697976	0.2884603	13	0.97307172
ENSG00000122965	12	RBM19	114254543	rs7970186	12	114256137	C	T	0.383698	-0.0117403	0.00838039	0.161236	0.523047	0.0752212	3.56E-12	-0.022446	0.0163442	0.1696497	0.773807	6	0.67238185
ENSG00000135127	12	CCDC64	120427673	rs117426293	12	120426905	A	G	0.105368	0.00203385	0.0132672	0.878163	0.397373	0.0605354	5.23E-11	0.00511824	0.0333964	0.8781954	0.7950987	10	0.97730932
ENSG00000257218	12	GATC	120884241	rs1167724	12	120969477	G	A	0.348907	-0.0079817	0.00879655	0.364213	-0.763939	0.0760899	1.02E-23	0.0104481	0.0115617	0.366163	0.3548766	20	0.82957799
ENSG00000122971	12	ACADS	121163538	rs2948149	12	121162854	G	T	0.420477	0.0134713	0.00820396	0.100581	0.288891	0.0496721	6.03E-09	0.0466311	0.0295083	0.1140446	0.7790472	9	0.64371605
ENSG00000157837	12	SPPL3	121200313	rs2015462	12	121238204	C	G	0.543738	0.023071	0.00809639	0.00437824	-0.335538	0.0572651	4.65E-09	-0.0687582	0.0268317	0.01038994	0.7729416	8	0.32999651
ENSG00000256092	12	hsa-mir-8072	123848415	rs2048617	12	123905185	C	T	0.055666	-0.0047152	0.0246488	0.848294	-0.976083	0.176998	3.49E-08	0.00483074	0.025268	0.8483843	0.4780507	7	0.96801944
ENSG00000111364	12	DDX55	124086624	rs11057306	12	124097766	G	A	0.115308	0.0188477	0.01415	0.182861	-0.779352	0.103137	4.14E-14	-0.0241838	0.018436	0.189598	0.8053819	20	0.68577349
ENSG00000250091	12	DNAH10OS	124410971	rs7133378	12	124409502	A	G	0.349901	0.0269807	0.00895829	0.00259687	0.377847	0.0638995	3.36E-09	0.0714064	0.026607	0.00728027	0.8943907	5	0.2764859
ENSG00000255595	12	RP4-809F18.1	126843848	rs1035157	12	126831867	C	T	0.611332	-0.005704	0.00821731	0.48759	-0.60338	0.0953688	2.50E-10	0.00945345	0.0137005	0.4901902	0.4499593	4	0.87134983
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.734034	0.106219	4.83E-12	-0.0045367	0.0110876	0.6824162	0.6909304	13	0.92906635
ENSG00000185684	12	EP400NL	132568828	rs61942869	12	132593606	A	G	0.136183	0.0132556	0.00959571	0.167154	-0.521394	0.0763218	8.40E-12	-0.0254234	0.0187764	0.175735	0.1406515	5	0.67238185
ENSG00000185163	12	DDX51	132621139	rs57037358	12	132625643	T	C	0.189861	0.00988417	0.00899283	0.271717	0.47683	0.0769598	5.80E-10	0.0207289	0.0191541	0.2791547	0.0462781	20	0.76980166
ENSG00000256576	12	RP13-977J11.2	132671287	rs28680649	12	132676878	T	C	0.480119	0.0123037	0.00812319	0.129864	0.598605	0.0760493	3.51E-15	0.020554	0.0138192	0.1369217	0.108217	20	0.66149748
ENSG00000196458	12	ZNF605	133498019	rs2933	12	133518838	A	G	0.217694	0.00928815	0.010014	0.353659	0.384618	0.0625326	7.71E-10	0.024149	0.0263306	0.3590656	0.6235172	8	0.82820583
ENSG00000240654	13	C1QTNF9	24881304	rs56079170	13	24476587	G	C	0.130219	-0.0244982	0.0141747	0.0839325	1.31903	0.168386	4.75E-15	-0.0185729	0.0110048	0.09146605	0.8934473	12	0.61192083
ENSG00000205822	13	TPTE2P6	24982295	rs3978675	13	25154028	A	T	0.295229	-0.0024767	0.00878271	0.777949	-0.896985	0.121335	1.44E-13	0.00276109	0.00979849	0.7781063	0.9960654	14	0.94799946
ENSG00000151849	13	CENPJ	25457171	rs8000633	13	25523781	T	C	0.162028	-0.0031269	0.0107353	0.770843	-0.690227	0.101425	1.01E-11	0.00453022	0.0155675	0.7710479	0.7440447	17	0.94650929
ENSG00000253771	13	TPTE2P1	25498815	rs12862994	13	25530088	C	T	0.132207	-0.0017468	0.0123256	0.887302	0.913533	0.142995	1.67E-10	-0.0019121	0.0134956	0.8873296	0.9503977	16	0.97813375
ENSG00000132970	13	WASF3	27131840	rs1298079	13	27246261	G	A	0.27336	0.0100117	0.00884889	0.257885	0.377698	0.0543754	3.75E-12	0.0265072	0.0237372	0.2641265	0.8888215	8	0.75668673
ENSG00000122025	13	FLT3	28577411	rs12427992	13	28598825	C	T	0.191849	0.0170954	0.0109356	0.117986	0.775252	0.0966087	1.02E-15	0.0220514	0.014371	0.1249229	0.9225245	11	0.65254227
ENSG00000175664	13	TEX26	31506840	rs12857479	13	31531009	A	G	0.362823	0.0035244	0.00824638	0.669097	-0.276132	0.0419038	4.41E-11	-0.0127635	0.0299267	0.6697498	0.1920232	6	0.92695413
ENSG00000237637	13	FRY-AS1	32599451	rs204127	13	32608748	A	G	0.567594	0.00739423	0.00805455	0.358609	0.726197	0.10501	4.66E-12	0.0101821	0.0111887	0.3628037	0.5534125	16	0.82820583
ENSG00000120669	13	SOHLH2	36742345	rs9546883	13	36827697	C	T	0.471173	0.0153607	0.00822072	0.0616879	0.752279	0.0839758	3.30E-19	0.0204189	0.0111629	0.06737444	0.93437	20	0.57851705
ENSG00000242715	13	CCDC169	36801182	rs9546846	13	36816907	T	G	0.219682	0.0145834	0.0104439	0.16261	-0.852114	0.124516	7.73E-12	-0.0171144	0.012509	0.1712604	0.5435671	13	0.67238185
ENSG00000120693	13	SMAD9	37418968	rs9576132	13	37480201	C	T	0.238569	-0.0097653	0.0106151	0.357598	0.466067	0.081506	1.08E-08	-0.0209526	0.0230688	0.3637367	0.1456268	3	0.82820583
ENSG00000133103	13	COG6	40229764	rs4254189	13	40212417	A	G	0.252485	-0.0162751	0.00907094	0.0727797	-0.518406	0.0788495	4.88E-11	0.0313945	0.0181376	0.08346849	0.8195136	5	0.59316763
ENSG00000176268	13	CYCSP34	41437735	rs9525401	13	41432110	C	T	0.71173	-0.0079759	0.0087489	0.361953	0.751667	0.1139	4.13E-11	-0.010611	0.0117499	0.3664864	0.1276559	17	0.82957799
ENSG00000023516	13	AKAP11	42846289	rs9594731	13	42911955	T	A	0.234592	0.00765824	0.0088337	0.385978	-0.267637	0.0388207	5.42E-12	-0.0286143	0.0332662	0.3897006	0.6318922	14	0.8319892
ENSG00000120675	13	DNAJC15	43597339	rs11618553	13	43607650	G	A	0.255467	0.00702551	0.00932577	0.451244	-0.817724	0.058712	4.30E-44	-0.0085915	0.0114212	0.4519043	0.0569155	20	0.86778724
ENSG00000151773	13	CCDC122	44398045	rs12866387	13	44391936	T	C	0.534791	0.00534701	0.00817103	0.512863	0.373002	0.0638767	5.24E-09	0.0143351	0.0220433	0.5154884	0.126022	5	0.87134983

ENSG00000179630	13	LACC1	44453420	rs12871262	13	44392753	T	C	0.520875	0.00348204	0.00812711	0.668325	0.315233	0.0553309	1.22E-08	0.0110459	0.0258541	0.6692037	0.213763	15	0.92695413
ENSG00000227258	13	SMIM2-AS1	44716682	rs76367685	13	44717742	T	C	0.707753	-0.0127751	0.00906909	0.15894	-0.927241	0.108098	9.67E-18	0.0137775	0.00991173	0.1645217	0.260846	14	0.67203469
ENSG00000235903	13	CPB2-AS1	46626941	rs56088819	13	46685361	C	T	0.262425	0.00186818	0.00896576	0.834942	0.867066	0.0702488	5.33E-35	0.0021546	0.0103418	0.8349646	0.1046789	20	0.96310148
ENSG00000123179	13	EBPL	50234859	rs9562915	13	50283389	C	T	0.215706	-0.0025155	0.00980292	0.797486	-0.534408	0.0719079	1.07E-13	0.00470698	0.0183544	0.7976039	0.472985	13	0.95149298
ENSG00000237152	13	DLEU7-AS1	51381992	rs2761843	13	51293037	C	T	0.166998	-0.0124439	0.0106786	0.243892	-0.689769	0.0891627	1.03E-14	0.0180407	0.0156561	0.2491929	0.2872123	7	0.73990049
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs9526708	13	51500691	A	G	0.318091	-0.0057386	0.00866177	0.507637	-0.544954	0.0949642	9.55E-09	0.0105305	0.0160001	0.5104411	0.6401588	5	0.87134983
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.739871	0.0667494	1.49E-28	-0.0051049	0.0110975	0.64551	0.5274658	20	0.91906058
ENSG00000272281	13	TPTE2P2	52793479	rs11620062	13	52994026	G	T	0.595427	-0.0044397	0.0081399	0.585461	-0.424907	0.0734144	7.13E-09	0.0104487	0.0192418	0.5871162	0.02566513	16	0.90196409
ENSG00000136108	13	CKAP2	53029564	rs7321964	13	53040822	G	A	0.564612	-0.0073359	0.00805725	0.362571	-0.366494	0.0477552	1.66E-14	0.0200165	0.0221388	0.3659231	0.02693025	20	0.82957799
ENSG00000139675	13	HNRNPA1L2	53191605	rs9536236	13	53255012	A	T	0.427435	-0.0043411	0.00810073	0.592034	-0.427738	0.0685104	4.28E-10	0.010149	0.0190082	0.5933922	0.1253086	14	0.90196409
ENSG00000230223	13	ATXN8OS	70681345	rs8000416	13	70697785	C	A	0.294235	0.00249574	0.00963914	0.795699	0.394073	0.0685991	9.21E-09	0.00633319	0.0244851	0.7959017	0.4408228	6	0.95149298
ENSG00000083535	13	PIBF1	73356197	rs9600019	13	73317585	T	C	0.312127	-0.017369	0.00832988	0.0370553	-0.468549	0.076515	9.15E-10	0.0370698	0.0187804	0.04839861	0.8953917	11	0.54577156
ENSG00000229865	13	RPL31P54	78996958	rs4884091	13	78973223	A	G	0.191849	0.0242362	0.0101864	0.0173472	-0.643065	0.105147	9.60E-10	-0.0376886	0.0169969	0.0265968	0.1508098	11	0.44317726
ENSG00000227354	13	RBM26-AS1	79980444	rs7993295	13	79880201	A	C	0.914513	-0.0019777	0.0104271	0.849568	-1.17071	0.158801	1.68E-13	0.00168933	0.00890959	0.8496168	0.4947464	9	0.96801944
ENSG00000080166	13	DCT	95089558	rs9590030	13	95171058	C	G	0.306163	-0.014985	0.00837686	0.0736377	0.719156	0.0863855	8.44E-17	-0.0208369	0.0119141	0.08030218	0.5887822	6	0.58829762
ENSG00000165621	13	OXGR1	97637973	rs1501855	13	97645202	G	A	0.602386	-0.0046828	0.00833103	0.574054	-0.52551	0.0901408	5.55E-09	0.00891094	0.0159267	0.5758235	0.1082333	7	0.89882852
ENSG00000260992	13	DOCK9-AS2	99740073	rs9517610	13	99754222	A	G	0.270378	-0.0076736	0.00901641	0.394732	-0.550336	0.082793	2.99E-11	0.0139434	0.0165172	0.3985705	0.6379433	7	0.83909579
ENSG00000250878	13	METTL21EP	103532449	rs7318408	13	103539000	G	A	0.249503	-0.0048452	0.00939276	0.60596	-0.590868	0.0781543	4.02E-14	0.00820021	0.0159335	0.6067964	0.09841071	19	0.90506093
ENSG00000272274	13	LINC00551	107270158	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.717631	0.102473	2.50E-12	0.00121593	0.0116276	0.9167149	0.1256743	6	0.97813375
ENSG00000230156	13	LINC00443	107306264	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.839184	0.0900474	1.17E-20	0.00103981	0.00994293	0.9167109	0.05825088	11	0.97813375
ENSG00000213995	13	CARKD	111267881	rs113257991	13	111285509	T	C	0.173956	0.0129018	0.0101005	0.201481	0.535647	0.0880023	1.15E-09	0.0240864	0.0192674	0.2112587	0.8744143	12	0.70976598
ENSG00000235875	13	ARHGEF7-AS2	111766159	rs7321389	13	111766981	C	A	0.478131	-0.0066553	0.00818229	0.416005	-0.454431	0.072295	3.26E-10	0.0146452	0.0181557	0.4198697	0.00597124	8	0.8550524
ENSG00000102606	13	ARHGEF7	111766906	rs2296353	13	111933098	G	C	0.28827	-0.0291054	0.00844601	0.00056884	0.389015	0.0660248	3.82E-09	-0.0748182	0.0251521	0.00293342	0.1391969	12	0.22516974
ENSG00000126217	13	MCF2L	113548692	rs4907579	13	113706415	G	A	0.808151	-0.0051413	0.0100023	0.607244	-0.428032	0.0718329	2.54E-09	0.0120114	0.0234549	0.6085754	0.4161823	14	0.90506093
ENSG00000235280	13	MCF2L-AS1	113621798	rs2993271	13	113621815	C	T	0.968191	-0.0014745	0.0146945	0.920072	-1.92922	0.29717	8.47E-11	0.00076429	0.00761772	0.9200815	0.4313681	3	0.97969502
ENSG00000092094	14	OSGEP	20914570	rs2275007	14	20920250	C	T	0.628231	0.0120996	0.00856976	0.157981	0.634599	0.0616277	7.25E-25	0.0190665	0.0136306	0.1618708	0.09377666	16	0.67203469
ENSG00000258515	14	RP11-203M5.7	20919464	rs2275006	14	20920340	G	A	0.632207	0.0101428	0.00861767	0.239205	0.390002	0.0631852	6.73E-10	0.026007	0.0224946	0.2476216	0.01273143	6	0.73912788
ENSG00000092203	14	TOX4	21944756	rs1263792	14	21970091	C	T	0.93837	-0.004632	0.0128563	0.718629	0.459169	0.080549	1.19E-08	-0.0100878	0.0280549	0.7191655	0.7637669	13	0.92906635
ENSG00000129562	14	DAD1	23033805	rs5742783	14	23045995	G	A	0.104374	0.00415257	0.0131745	0.752612	0.519245	0.0801251	9.15E-11	0.00799732	0.0254024	0.7528942	0.5721898	6	0.93780006
ENSG00000100461	14	RBM23	23369854	rs12589539	14	23396680	C	T	0.581511	-0.007099	0.00812624	0.382338	0.358963	0.0581881	6.87E-10	-0.0197765	0.022864	0.387058	0.1855143	9	0.8319892
ENSG00000092036	14	HAUS4	23415437	rs1951120	14	23429713	C	T	0.473161	0.00549303	0.0080847	0.496862	0.499688	0.0548446	8.16E-20	0.0109929	0.0162244	0.4980546	0.03208071	20	0.87134983
ENSG00000187630	14	DHRS4L2	24439148	rs13379296	14	24426797	A	C	0.0536779	-0.0313545	0.0293187	0.284872	-1.22845	0.141319	3.54E-18	0.0255236	0.0240464	0.2884925	0.62071	12	0.77815301
ENSG00000092295	14	TGM1	24718320	rs941504	14	24733467	T	C	0.944334	0.010418	0.0170707	0.541674	0.803644	0.126314	1.99E-10	0.0129635	0.0213391	0.5435211	0.9700802	4	0.88635749
ENSG00000157379	14	DHRS1	24759804	rs12892419	14	24768534	T	G	0.49503	0.010087	0.00805672	0.210573	-0.631437	0.0764062	1.41E-16	-0.0159747	0.0129049	0.2157629	0.1345726	20	0.71471461
ENSG00000213903	14	LTB4R	24780656	rs12886362	14	24791571	C	A	0.810139	-0.0074969	0.011244	0.504934	0.436977	0.0709832	7.46E-10	-0.0171562	0.0258818	0.5074148	0.1150402	5	0.87134983
ENSG00000139899	14	CBLN3	24895738	rs2255591	14	24901844	G	A	0.762425	-0.0018252	0.00875652	0.834885	0.772428	0.0827048	9.67E-21	-0.002363	0.0113392	0.8349259	0.09770814	7	0.96310148
ENSG00000203546	14	RP11-176H8.1	31803518	rs34024670	14	31896969	A	G	0.387674	-0.0043272	0.00808191	0.592358	0.572604	0.0814525	2.07E-12	-0.0075571	0.0141552	0.5934268	0.8534191	17	0.90196409
ENSG00000174373	14	RALGAPA1	36007558	rs28669373	14	36306407	C	G	0.145129	-0.0302169	0.0112283	0.00712066	0.680207	0.0918905	1.34E-13	-0.0444231	0.0175642	0.01143285	0.2128767	8	0.33663392
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	0.77574	0.07632	2.86E-24	-0.0013185	0.0103939	0.8990542	0.1070545	16	0.97813375
ENSG00000165502	14	RPL36AL	50085237	rs4900941	14	50077128	T	C	0.758449	-0.0113883	0.00962664	0.236811	0.318745	0.0497661	1.51E-10	-0.0357286	0.0307125	0.2446991	0.8849993	10	0.73779433
ENSG00000087301	14	TXNDC16	52897308	rs80328152	14	53029338	G	A	0.0626243	-0.007221	0.0203071	0.722148	-0.599693	0.109092	3.86E-08	0.0120412	0.0339333	0.7227029	0.374305	3	0.93027903
ENSG00000100528	14	CNIH1	54893654	rs112586652	14	54906305	T	G	0.148111	-0.0084182	0.0116732	0.470811	0.407411	0.0675452	1.62E-09	-0.0206628	0.0288562	0.4739545	0.9882651	4	0.87069631
ENSG00000258413	14	RP11-665C16.6	55729485	rs17128440	14	55861912	T	C	0.440358	0.00236878	0.00808151	0.769437	-0.582286	0.0926183	3.24E-10	-0.0040681	0.013894	0.7696804	0.387632	6	0.94537801
ENSG00000131966	14	ACTR10	58666798	rs12147879	14	58681042	G	A	0.45328	-0.0020879	0.00817307	0.798371	0.167095	0.0295891	1.63E-08	-0.012495	0.0489627	0.7985724	0.0297087	6	0.95149298
ENSG00000126790	14	L3HYPDH	59927081	rs8012522	14	60002853	G	A	0.416501	-0.0081403	0.0088293	0.356549	-0.602617	0.0678145	6.32E-19	0.0135082	0.0147302	0.3591225	0.2194935	20	0.82820583
ENSG00000258289	14	CHURC1	65381079	rs2412065	14	65407657	G	C	0.186879	0.00757463	0.00960444	0.430312	0.800446	0.0676415	2.61E-32	0.00946301	0.0120255	0.4313325	0.954509	20	0.8649076
ENSG00000133983	14	COX16	70791798	rs11623369	14	70821164	A	G	0.162028	0.00830879	0.0101641	0.413663	-0.484267	0.0796785	1.22E-09	-0.0171575	0.0211776	0.417843	0.673553	6	0.8550524
ENSG00000100731	14	PCNX	71374122	rs7160958	14	71442526	A	C	0.462227	0.0186174	0.00809854	0.0215134	-0.271407	0.0467857	6.59E-09	-0.0685959	0.0320967	0.0325845	0.2491517	7	0.47347013
ENSG00000258695	14	RP3-414A15.2	73989582	rs11159021	14	73974531	C	T	0.379722	0.00855914	0.00810754	0.291105	-0.583543	0.102256	1.15E-08	-0.0146675	0.0141294	0.2992292	0.4446054	5	0.78165962
ENSG00000184227	14	ACOT1	74003818	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.577489	0.0789113	2.51E-13	-0.0328697	0.0147855	0.0262092	0.02573635	20	0.44317726
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.612408	0.0876774	2.85E-12	-0.0309955	0.0140052	0.02688807	0.1271847	12	0.44317726
ENSG00000119673	14	ACOT2	74034324	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.509287	0.0607688	5.26E-17	-0.0372715	0.0165808	0.02458473	0.9100619	10	0.44317726
ENSG00000119661	14	DNAL1	74111578	rs7140570	14	74141429	G	A	0.641153	-0.0038727	0.00810414	0.632745	0.310308	0.0430912	5.97E-13	-0.0124801	0.0261739	0.6334925	0.9580816	8	0.91682697
ENSG00000259065	14	RP5-1021I20.1	74254063	rs12890741	14	74261657	C	G	0.125249	-0.0143658	0.0106419	0.177038	1.10235	0.10269	6.99E-27	-0.013032	0.00972986	0.1804472	0.7439385	20	0.67740229
ENSG00000140043	14	PTGR2	74318547	rs8020267	14	74318714	G	A	0.90159	-0.0144917	0.0156902	0.355688	-0.542487	0.0888301	1.02E-09	0.0267134	0.0292516	0.3611218	0.6939701	10	0.82820583
ENSG00000119718	14	EIF2B2	75469614	rs7157158	14	75457238	G	A	0.539761	0.00524559	0.00807019	0.515694	0.330025	0.0599096	3.61E-08	0.0158945	0.0246229	0.5185917	0.1391641	4	0.87134983
ENSG00000100577	14	GSTZ1	77787227	rs2270423	14	77795638	A	G	0.28827	0.00079504	0.00830216	0.923709	0.424577	0.0563478	4.89E-14	0.00187253	0.0195555	0.9237154	0.3209543	10	0.98060924
ENSG00000042317	14	SPATA7	88851268	rs60503594	14	88874915	C	T	0.302187	-0.0072051	0.00893216	0.419871	-0.787132	0.0743799	3.59E-26	0.0091536	0.0113806	0.4212164	0.6372074	20	0.8550524
ENSG00000258983	14	RP11-507K2.2	88965678	rs17772288	14	88827366	A	G	0.23161	-0.0107486	0.00943129	0.254423	0.863003	0.104054	1.10E-16	-0.0124549	0.0110312	0.2588706	0.9248939	20	0.75281985
ENSG00000140025	14	EFCAB11	90261013	rs11159939	14	90390739	C	T	0.0874751	-0.0111717	0.0120317	0.353135	0.5607	0.093937	2.39E-09	-0.0199246	0.0217164	0.3588873	0.8232591	4	0.82820583
ENSG00000260711	14	RP11-747H7.3	92223103	rs61988257	14	92217670	A	G	0.321074	0.0046123	0.00838671	0.582351	0.567059	0.0883783	1.40E-10	0.00813372	0.0148441	0.5837301	0.8781997	14	0.90118119
ENSG00000165929	14	TC2N	92246095	rs1884840	14	92309325	G	A	0.553678	-0.0027152	0.00809477	0.737301	-0.7091	0.0763386	1.56E-20	0.00382911	0.011423	0.7374663	0.8981414	14	0.93473078
ENSG00000165934	14	CPSF2	92588281	rs61976605	14	92637243	T	C	0.171968	0.00748415	0.0102748	0.466368	-0.482927	0.0664693	3.72E-13	-0.0154975	0.0213828	0.468596	0.796886	3	0.86904091
ENSG00000165948	14	IFI27L1	94547628	rs3818119	14	94567032	T	C	0.513917	0.00861411	0.00840695	0.305532	0.354681	0.0637067	2.59E-08	0.0242869	0.0241009	0.3135903	0.7039572	9	0.78688906
ENSG00000119632	14	IFI27L2	94594116	rs10145627	14	94593917	A	G	0.602386	0.00480833	0.0080799	0.551779	0.2761	0.0491327	1.92E-08	0.0174152	0.029428	0.5539921	0.8024861	6	0.89189107
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.885085	0.0870025	2.61E-24	-0.0203828	0.014375	0.1562101	0.6891082	6	0.67203469
ENSG00000271780	14	RP11-1017G21.5	102414684	rs2448241	14	102414767	A	G	0.084493	0.00781294	0.0125819	0.534621	0.847877	0.141508	2.08E-09	0.00921471	0.0149188	0.5368005	0.1874985	6	0.88150043
ENSG00000156381	14	ANKRD9	102973179	rs8011181	14	102949332	C	T	0.633201	-0.0073446	0.00808701	0.363773	0.386281	0.053291	4.21E-13	-0.0190136	0.0210993	0.3675072	0.02749314	11	0.82957799
ENSG00000131323	14	TRAF3	103243813	rs7154305	14	103348743	G	C	0.247515	0.039589	0.00880996	7.00E-06	0.387776	0.0687932	1.73E-08	0.102092	0.029055	0.00044181	0.7403478	17	0.11400133
ENSG00000269958	14	RP11-73M18.8	104162690	rs3212140	14	104162376	T	C	0.251491	-0.0231142	0.00943083	0.0142492	-0.288778	0.0436435	3.67E-11	0.0800414	0.0348261	0.02154384	0.6429028	16	0.42684991
ENSG00000258735	14	LINC00637	104314058	rs140741588	14	104328354	T	C	0.0606362	0.0185335	0.0281253	0.509919	1.41946	0.231612	8.86E-10	0.0130567	0.0199283	0.5123484	0.5408694	6	0.87134983
ENSG00000140104	14	C14orf79	105452112	rs2819457	14	105448233	C	G	0.223658	0.0116951	0.0090364	0.195589	0.423014	0.0511899	1.41E-16	0.0276471	0.0216223	0.2010258	0.2707003	11	0.69745575
ENSG00000183828	14	NUDT14	105639275	rs10873554	14	105648606	A	G	0.625249	-0.0087477	0.00835417	0.295052	0.459088	0.058402	3.82E-15	-0.0190545	0.0183581	0.2993001	0.5964691	12	0.78165962
ENSG00000259905	15	PWRN1	24738284	rs28627416	15	24778026	A	C	0.439364	-0.0048883	0.00811333	0.54684	0.586926	0.0853135	6.00E-12	-0.0083287	0.0138763	0.5483688	0.3673117	18	0.88824664
ENSG00000206149	15	HERC2P9	28834638	rs201437037	15	28898023	G	A	0.0228628	0.00873469	0.0145464	0.548192	-0.767318	0.138015	2.70E-08	-0.0113834	0.0190677	0.5505081	0.7768164	7	0.88954053
ENSG00000261377	15	RP11-578F21.12	29034810	rs147495388	15	29077969	C	T	0.167992	-0.00043	0.0141977	0.975839	-1.45491	0.109484	2.69E-40	0.00029555	0.0097585	0.9758388	0.1968066	20	0.99330845
ENSG00000215302	15	CTD-3092A11.1	30762982	rs2128873	15	30939463	A	G	0.498012	-0.0094385	0.00811518	0.244802	-0.649276	0.0987214	4.81E-11	0.014537	0.0126927	0.2520864	0.145672	9	0.7403233
ENSG00000270055	15	CTD-3092A11.2	30780166	rs72714666	15	31492226	C	T	0.0626243	0.0317465	0.0208401	0.127674	-1.03143	0.172035	2.03E-09	-0.0307791	0.020847	0.1398297	0.4052649	12	0.66149748
ENSG00000270015	15	RP11-540B6.6	31218717	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	0.421952	0.0641075	4.64E-11	0.0364686	0.0201663	0.07054569	0.3175383	15	0.58411197
ENSG00000134160	15	TRPM1	31293264	rs3809579	15	31394322	T	C	0.584493	0.006059	0.00808677	0.453708	-0.886046	0.0777926	4.70E-30	-0.0068383	0.00914653	0.4546818	0.9271311	12	0.86904091
ENSG00000169918	15	OTUD7A	31775329	rs4779931	15	32156572	A	G	0.522863	0.00812507	0.00806991	0.314014	-0.337354	0.05444	5.76E-10	-0.0240847	0.0242349	0.3203187	0.7759522	7	0.79207218
ENSG00000206127	15	GOLGA8O	32737307	rs4539568	15	32902065	T	G	0.356859	0.0022643	0.00874426	0.795676	0.83	0.107698	1.29E-14	0.00272807	0.0105412	0.7957888	0.5749656	4	0.95149298
ENSG00000254912	15	RP11-632K20.2	32786204	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	1.05313	0.121058	3.34E-18	0.00045077	0.00911509	0.9605584	0.6470483	4	0.98796376
ENSG00000232653	15	GOLGA8N	32885657	rs28457217	15	32931921	A	G	0.301193	-0.0024432	0.00946314	0.796269	-0.611683	0.0916933	2.54E-11	0.00399421	0.0154822	0.7964173	0.5586162	9	0.95149298
ENSG00000198826	15	ARHGAP11A	32907345	rs60252695	15	32911105	C	T	0.275348	0.00818158	0.00916835	0.372194	-0.378499	0.0616204	8.13E-10	-0.0216159	0.0244772	0.3771815	0.4584402	3	0.8319892
ENSG00000166923	15	GREM1	33010175	rs8037112	15	32962759	G	A	0.591451	-0.0060088	0.00823989	0.465863	0.386558	0.0549042	1.91E-12	-0.0155443	0.0214301	0.4682386	0.9173299	4	0.86904091
ENSG00000259446	15	RP11-489D6.2	33595858	rs2251110	15	33598537	T	G	0.512922	-0.0089013	0.00807647	0.270408	-0.778573	0.0830187	6.71E-21	0.0114328	0.0104448	0.2736958	0.5903198	20	0.76501365
ENSG00000169857	15	AVEN	34158428	rs4780203	15	34337671	G	C	0.218688	-0.0089541	0.00967187	0.354557	-0.452166	0.0723754	4.17E-10	0.0198027	0.0216237	0.3597788	0.06645688	12	0.82820583
ENSG00000215252	15	GOLGA8B	34817408	rs144215799	15	34890377	G	A	0.0109344	0.0695257	0.0757013	0.358398	-1.36103	0.226769	1.95E-09	-0.0510832	0.056268	0.3639555	0.6241071	3	0.82820583
ENSG00000128944	15	KNSTRN	40674922	rs7166991	15	40671957	G	A	0.0994036	-0.025456	0.0113439	0.0248308	1.57224	0.123291	3.03E-37	-0.0161909	0.00732598	0.02710042	0.3012739	20	0.44317726
ENSG00000128891	15	C15orf57	40820882	rs11633184	15	40874080	G	A	0.471173	0.0286946	0.00831176	0.00055584	-0.548559	0.056487	2.70E-22	-0.052309	0.0160809	0.0011425	0.1249106	20	0.15439722
ENSG00000137804	15	NUSAP1	41624892	rs28661013	15	41662317	A	C	0.256461	0.012282	0.00926252	0.184843	0.746733	0.104733	1.00E-12	0.0164476	0.0126167	0.1923576	0.03933881	20	0.6860249
ENSG00000137806	15	NDUFAF1	41679551	rs11630191	15	41701021	C	T	0.353877	0.027745	0.00846179	0.00104227	-0.363794	0.0575862	2.66E-10	-0.0762657	0.0262061	0.00361173	0.05350968	12	0.24699566
ENSG00000103932	15	RPAP1	41809374	rs2297380	15	41819322	T	C	0.43837	-0.0054915	0.00812691	0.499223	0.417842	0.0625348	2.36E-11	-0.0131424	0.0195489	0.5014036	0.7906069	10	0.87134983
ENSG00000137877	15	SPTBN5	42140345	rs11070353	15	42191519	A	G	0.411531	-0.0168219	0.00828742	0.042376	-0.53131	0.0698646	2.85E-14	0.0316612	0.0161441	0.04986085	0.592473	17	0.5491704
ENSG00000168803	15	ADAL	43622872	rs511673	15	43618863	C	T	0.126243	0.00657399	0.0142274	0.644034	-0.891735	0.0982469	1.12E-19	-0.0073721	0.0159754	0.644463	0.03714383	20	0.91818653
ENSG00000242866	15	STRC	43891596	rs2957639	15	43920488	C	T	0.280318	-0.0223326	0.011229	0.0467186	0.504383	0.0682435	1.46E-13	-0.0442771	0.0230548	0.05479282	0.7298904	20	0.56298992
ENSG00000205771	15	CATSPER2P1	44019116	rs117091329	15	44036768	A	T	0.0357853	-0.0047462	0.0168625	0.778354	-1.22927	0.172801	1.13E-12	0.003861	0.0137282	0.7785222	0.6964511	16	0.94799946
ENSG00000185880	15	TRIM69	45021186	rs17588305	15	45021766	T	C	0.107356	-0.0123024	0.0138973	0.376028	-0.659032	0.100547	5.58E-11	0.0186674	0.0212789	0.380339	0.5531868	9	0.8319892
ENSG00000259479	15	CTD-2008A1.2	45118569	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	1.23956	0.210591	3.95E-09	0.00554702	0.0169005	0.742748	0.7820296	3	0.93473078
ENSG00000137857	15	DUOX1	45422131	rs1706803	15	45442687	C	G	0.782306	-0.0162643	0.00997255	0.10291	0.529594	0.0895282	3.31E-09	-0.0307109	0.0195331	0.1158937	0.5720877	4	0.64371605
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	0.986941	0.0919919	7.47E-27	-0.0057223	0.00835931	0.4936336	0.5210652	20	0.87134983
ENSG00000259433	15	CTD-2651B20.4	45622407	rs1719245	15	45623782	C	T	0.406561	0.00622265	0.00818173	0.446923	-0.862971	0.0965109	3.83E-19	-0.0072107	0.00951512	0.44856	0.701929	17	0.86618806
ENSG00000171763	15	SPATA5L1	45694529	rs7402632	15	45701913	T	A	0.27336	0.0112056	0.0087015	0.197822	0.672664	0.0963603	2.94E-12	0.0166585	0.0131542	0.2053666	0.9625533	13	0.70473911
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.814978	0.057084	3.05E-46	0.00755809	0.0113474	0.505372	0.3086463	20	0.87134983
ENSG00000259577	15	RP11-430B1.2	52472290	rs4776011	15	52472713	G	A	0.150099	0.0023197	0.0121696	0.848828	-0.633696	0.0766729	1.40E-16	-0.0036606	0.0192093	0.8488675	0.9680176	19	0.96801944
ENSG00000047346	15	FAM214A	52873514	rs11633933	15	52948357	C	T	0.777336	0.00983111	0.0104499	0.346815	0.392892	0.0696308	1.68E-08	0.0250224	0.0269645	0.3534206	0.5542111	3	0.82820583
ENSG00000151575	15	TEX9	56536207	rs705450	15	56726868	A	G	0.910537	0.019946	0.0164043	0.224022	0.53047	0.0695013	2.30E-14	0.0376006	0.031314	0.2298444	0.9149502	11	0.72889676
ENSG00000245975	15	RP11-30K9.6	59060271	rs17269439	15	59063144	A	C	0.0298211	-0.0028142	0.0244086	0.908212	0.976035	0.156182	4.12E-10	-0.0028833	0.0250122	0.9082281	0.4374598	18	0.97813375
ENSG00000103642	15	LACTB	63413999	rs189796619	15	63414723	C	T	0.498012	-0.0070725	0.00805542	0.379957	0.498327	0.0737823	1.44E-11	-0.0141924	0.0163009	0.3839453	0.2712642	10	0.8319892
ENSG00000185088	15	RPS27L	63418071	rs35467520	15	63397560	C	T	0.0725646	0.0106842	0.0135427	0.430154	-0.559219	0.0706908	2.56E-15	-0.0191056	0.0243373	0.4324344	0.902228	19	0.8649076
ENSG00000259459	15	RP11-321G12.1	63682335	rs12908605	15	63685656	T	C	0.323062	-0.0054453	0.00834241	0.513934	0.642003	0.0762603	3.81E-17	-0.0084817	0.0130333	0.5151937	0.1780377	20	0.87134983
ENSG00000103671	15	TRIP4	64679947	rs673931	15	64814293	A	G	0.892644	-0.0167371	0.0125588	0.182631	-0.545523	0.0893082	1.01E-09	0.0306808	0.0235631	0.1928928	0.3659236	5	0.6860249
ENSG00000075131	15	TIPIN	66628544	rs4483802	15	66679819	C	G	0.106362	-0.0003002	0.0148735	0.983897	1.53358	0.150371	2.01E-24	-0.0001958	0.00969857	0.9838969	0.430562	11	0.99422252
ENSG00000189227	15	C15orf61	67813406	rs2899726	15	67906954	A	G	0.761431	0.00338481	0.00868073	0.696594	0.442327	0.0745101	2.91E-09	0.00765228	0.0196674	0.6972141	0.9042863	5	0.92906635
ENSG00000260657	15	RP11-315D16.4	68560130	rs6494730	15	68584556	T	G	0.356859	0.00099068	0.00901295	0.912475	0.875307	0.0979109	3.90E-19	0.00113181	0.0102977	0.9124815	0.9970248	14	0.97813375
ENSG00000140400	15	MAN2C1	75648133	rs11638974	15	75799306	A	G	0.277336	0.0027815	0.00986061	0.777881	0.489647	0.0549127	4.80E-19	0.00568062	0.0201483	0.7779888	0.0907967	14	0.94799946
ENSG00000169752	15	NRG4	76228310	rs2959852	15	76351704	G	C	0.82008	0.0076321	0.0106331	0.472902	0.943871	0.0851305	1.45E-28	0.00808596	0.011289	0.4738254	0.4885982	20	0.87069631
ENSG00000260685	15	RP11-326L17.1	76242805	rs184580	15	76327581	C	T	0.82008	0.00762534	0.0106216	0.472815	0.632908	0.101082	3.82E-10	0.0120481	0.0168922	0.4756998	0.3854963	5	0.87134983
ENSG00000173517	15	PEAK1	77400471	rs11858844	15	77792260	T	C	0.284294	0.00048734	0.00926134	0.958034	-0.350759	0.048376	4.15E-13	-0.0013894	0.0264044	0.9580349	0.1498036	20	0.98791053
ENSG00000259362	15	RP11-307C19.1	77817882	rs62009087	15	77833064	T	C	0.373757	-0.0115952	0.00825509	0.160136	0.493317	0.0877573	1.89E-08	-0.0235046	0.0172483	0.1729721	0.4134405	6	0.67238185
ENSG00000169783	15	LINGO1	77905369	rs12917044	15	77850146	T	C	0.305169	-0.0165513	0.0085966	0.0541876	0.295682	0.0529052	2.29E-08	-0.0559767	0.0307506	0.06870662	0.4679366	9	0.58120163
ENSG00000260776	15	RP11-114H24.2	78206559	rs62008593	15	78234461	A	G	0.484095	0.00414169	0.00814108	0.610935	1.04582	0.0936643	6.01E-29	0.00396023	0.00779247	0.6113044	0.08653229	20	0.90626946
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.530324	0.0815141	7.72E-11	-0.0022705	0.017243	0.8952401	0.2572824	16	0.97813375
ENSG00000166426	15	CRABP1	78632666	rs8036879	15	78664005	G	A	0.685885	0.0070064	0.00864311	0.417575	-0.533762	0.0700122	2.46E-14	-0.0131265	0.0162841	0.4201908	0.2181879	13	0.8550524
ENSG00000188266	15	HYKK	78799906	rs7178270	15	78921077	G	C	0.363817	0.00238086	0.00842804	0.777566	-0.423163	0.0736311	9.08E-09	-0.0056263	0.0199408	0.7778269	0.9020314	14	0.94799946
ENSG00000169684	15	CHRNA5	78857862	rs7164030	15	78844661	A	G	0.624254	-0.0019536	0.00829898	0.813898	-0.797849	0.0797923	1.54E-23	0.00244856	0.0104046	0.8139489	0.9745237	20	0.95850779
ENSG00000136378	15	ADAMTS7	79051545	rs57224848	15	79049146	A	G	0.188867	0.00488788	0.00952756	0.607933	-0.519875	0.0860663	1.54E-09	-0.009402	0.0183926	0.6092215	0.02915097	11	0.90506093
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.757075	0.0897185	3.22E-17	-0.0058835	0.0107353	0.5836594	0.5670598	8	0.90118119
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-0.767004	0.0793007	3.96E-22	0.00073175	0.0135013	0.956777	0.9710531	11	0.98791053
ENSG00000188659	15	FAM154B	82555151	rs1267658	15	83214154	T	C	0.654076	0.0102042	0.00829929	0.218874	-0.363104	0.0550436	4.21E-11	-0.0281027	0.0232501	0.2267739	0.00349543	19	0.72842525
ENSG00000169609	15	C15orf40	83657193	rs1037403	15	83664191	G	C	0.481113	-0.0102745	0.00806234	0.202527	-0.69815	0.0775092	2.11E-19	0.0147168	0.0116632	0.2070153	0.903591	20	0.70709169
ENSG00000225151	15	AC103965.1	84867600	rs17531523	15	85132449	G	C	0.281312	-0.0129963	0.00903748	0.150421	-0.703832	0.107049	4.87E-11	0.0184651	0.0131439	0.1600703	0.4660189	20	0.67203469
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.966105	0.122582	3.24E-15	0.00743698	0.0107471	0.4889372	0.2823837	20	0.87134983
ENSG00000230373	15	GOLGA6L5	85051116	rs6496090	15	85140587	A	G	0.761431	-0.0076981	0.00965467	0.425253	-0.55276	0.089071	5.44E-10	0.0139266	0.0176099	0.4290369	0.9969248	13	0.86426622
ENSG00000136383	15	ALPK3	85359911	rs10852094	15	85415720	C	T	0.800199	-0.0074893	0.010198	0.46271	0.317604	0.0511231	5.21E-10	-0.0235807	0.0323327	0.4658102	0.8122568	5	0.86904091
ENSG00000259295	15	CSPG4P12	85734669	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.615087	0.0880471	2.83E-12	0.00336648	0.0132649	0.7996584	0.7450106	17	0.95149298
ENSG00000229212	15	RP11-561C5.4	85747141	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.624854	0.0956259	6.39E-11	0.00331386	0.0130588	0.7996769	0.8564636	12	0.95149298
ENSG00000188388	15	GOLGA6L3	85783703	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.746484	0.131723	1.45E-08	0.00962499	0.0139589	0.4904948	0.1985176	13	0.87134983
ENSG00000259407	15	RP11-158M2.3	86287340	rs75595815	15	86338955	G	C	0.0805169	0.0143337	0.0160845	0.372847	-0.521121	0.0937747	2.74E-08	-0.0275055	0.0312595	0.3789091	0.9055132	4	0.8319892
ENSG00000259416	15	RP11-158M2.5	86298172	rs75595815	15	86338955	G	C	0.0805169	0.0143337	0.0160845	0.372847	-0.753832	0.115164	5.92E-11	-0.0190144	0.0215338	0.3772339	0.8614803	18	0.8319892
ENSG00000140511	15	HAPLN3	89420519	rs56705268	15	89435509	G	A	0.122266	0.0128525	0.0180738	0.477015	-0.57863	0.10424	2.84E-08	-0.022212	0.0314908	0.4805937	0.2037951	4	0.87134983
ENSG00000261478	15	RP11-429B14.4	90052192	rs62023067	15	90047262	A	G	0.332008	-0.0029943	0.0083507	0.719921	0.666986	0.0755788	1.09E-18	-0.0044892	0.0125304	0.7201434	0.9792652	12	0.92906635
ENSG00000140575	15	IQGAP1	90931450	rs8042913	15	91023147	C	G	0.17495	-0.0122925	0.0101011	0.223622	0.430305	0.0469879	5.30E-20	-0.0285669	0.0236806	0.2276857	0.03183105	20	0.72889676
ENSG00000166965	15	RCCD1	91498100	rs79548680	15	91505779	C	G	0.147117	0.00242123	0.0109947	0.825701	0.54656	0.0752468	3.77E-13	0.00442994	0.0201254	0.8257802	0.7832357	7	0.96159938
ENSG00000260337	15	RP11-386M24.6	93138790	rs79305149	15	93156676	T	C	0.135189	-0.0030087	0.0118808	0.800081	0.524	0.0836593	3.76E-10	-0.0057418	0.0226918	0.8002415	0.8414697	8	0.95149298
ENSG00000258741	15	RP11-386M24.4	93258989	rs60697464	15	93293906	A	T	0.38171	0.0062182	0.00825853	0.451485	-0.679696	0.106421	1.69E-10	-0.0091485	0.0122345	0.4546022	0.4054706	20	0.86904091
ENSG00000183571	15	PGPEP1L	99511459	rs1976574	15	99549501	C	G	0.769384	-0.0154121	0.00984022	0.117293	0.668326	0.109405	1.00E-09	-0.0230608	0.0151999	0.1292258	0.5125557	10	0.6594625
ENSG00000103852	15	TTC23	99676528	rs10152456	15	99810848	A	T	0.475149	0.00169461	0.00811964	0.834679	-0.424347	0.0518532	2.75E-16	-0.0039935	0.0191407	0.8347314	0.1323747	20	0.96310148
ENSG00000183060	15	LYSMD4	100255902	rs11631604	15	100273617	C	T	0.683897	-0.0006304	0.00862278	0.941717	-0.845424	0.0890441	2.21E-21	0.0007457	0.0101997	0.9417186	0.4109386	20	0.98649544
ENSG00000182397	15	DNM1P46	100330361	rs12591698	15	100328211	C	T	0.297217	0.00438837	0.00889313	0.62169	-0.891716	0.101604	1.69E-18	-0.0049213	0.0099888	0.6222401	0.7819112	20	0.91003736
ENSG00000259363	15	CTD-2054N24.2	100347228	rs1963944	15	100342212	C	T	0.531809	0.00740861	0.00816853	0.364423	-0.749578	0.0849236	1.08E-18	-0.0098837	0.0109549	0.3669404	0.998533	20	0.82957799

ENSG00000270127	15	RP11-526I2.5	101087972	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.968927	0.0780827	2.34E-35	0.00342942	0.00839351	0.6828478	0.1990462	19	0.92906635
ENSG00000259205	15	PRKXP1	101093734	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-0.896723	0.0865657	3.81E-25	0.00325651	0.00905942	0.7192499	0.233161	19	0.92906635
ENSG00000140471	15	LINS	101099574	rs8029616	15	101107428	C	G	0.451292	0.00805499	0.00818071	0.324805	-0.471265	0.0751578	3.60E-10	-0.0170923	0.0175718	0.3306963	0.2076965	11	0.80862302
ENSG00000259658	15	RP11-89K11.1	102277302	rs1052887	15	102277480	C	G	0.225646	0.00968434	0.0100633	0.335875	0.739708	0.0959499	1.26E-14	0.0130921	0.01371	0.3396125	0.01325079	20	0.82002107
ENSG00000185596	15	WASH3P	102501356	rs2203348	15	102366849	A	G	0.759443	0.0197164	0.00914337	0.0310556	-0.511236	0.0890046	9.25E-09	-0.0385661	0.0191036	0.04350935	0.7801809	16	0.54092126
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-1.00565	0.095759	8.47E-26	0.00492812	0.010512	0.6392079	0.507527	12	0.91818653
ENSG00000161981	16	SNRNP25	103010	rs10266	16	107162	G	C	0.124254	-0.0041273	0.0174353	0.812876	-0.46765	0.0703554	2.99E-11	0.00882551	0.0373064	0.8129919	0.4785303	9	0.95850779
ENSG00000103148	16	NPRL3	134273	rs2562191	16	178543	A	G	0.382704	0.00270923	0.00818324	0.740592	-0.476503	0.0591822	8.18E-16	-0.0056857	0.017188	0.7408023	0.5445278	7	0.93473078
ENSG00000268836	16	LA16c-OS12.2	235747	rs3859140	16	234710	C	T	0.472167	0.0129844	0.00808651	0.108343	0.602299	0.0820125	2.07E-13	0.0215581	0.0137432	0.1167339	0.6343212	20	0.64371605
ENSG00000242612	16	DECR2	451826	rs3743890	16	456416	G	T	0.531809	-0.0119872	0.00811066	0.139419	-0.59741	0.0651639	4.83E-20	0.0200653	0.0137517	0.1445329	0.2782803	20	0.66601785
ENSG00000007541	16	PIGQ	616995	rs3743901	16	632699	G	C	0.431412	0.0215819	0.00804623	0.00731307	-0.248621	0.0361418	6.03E-12	-0.0868064	0.0347366	0.01245475	0.1485023	4	0.34575992
ENSG00000127578	16	WFIKKN1	679239	rs2269556	16	675215	A	G	0.255467	0.0230837	0.00857783	0.00712197	0.689669	0.0853206	6.31E-16	0.0334707	0.0131088	0.01067056	0.4500103	15	0.32999651
ENSG00000130731	16	C16orf13	684429	rs117667029	16	686337	A	G	0.137177	0.0202903	0.0101436	0.0454663	0.395438	0.0647344	1.00E-09	0.051311	0.0269918	0.05730443	0.674469	3	0.56298992
ENSG00000103245	16	NARFL	779753	rs2071951	16	783004	C	T	0.240557	-0.0005454	0.00866336	0.949806	0.536049	0.0654474	2.60E-16	-0.0010174	0.016162	0.9498074	0.02984797	20	0.98752211
ENSG00000197253	16	TPSB2	1277272	rs2745145	16	1277472	G	A	0.737575	0.00486401	0.00979518	0.619491	-0.988957	0.120639	2.45E-16	-0.0049183	0.00992271	0.620132	0.7946697	19	0.91003736
ENSG00000095917	16	TPSD1	1306060	rs3927397	16	1306377	A	G	0.220676	-0.0015735	0.0112089	0.888358	-0.740028	0.119432	5.78E-10	0.00212631	0.0151505	0.8883865	0.06252736	3	0.97813375
ENSG00000197599	16	CCDC154	1484384	rs11639937	16	1487131	A	G	0.111332	0.0221586	0.0154429	0.151324	0.85666	0.104139	1.93E-16	0.0258663	0.0182991	0.1574999	0.1185111	20	0.67203469
ENSG00000095906	16	NUBP2	1832902	rs1065656	16	1838836	G	C	0.675944	0.00628068	0.00816973	0.442027	0.265503	0.0400983	3.56E-11	0.0236558	0.0309775	0.4450791	0.788751	20	0.86618806
ENSG00000063854	16	HAGH	1845621	rs2745194	16	1854038	T	C	0.693837	0.00874959	0.00821432	0.286802	-0.358665	0.0476773	5.36E-14	-0.0243949	0.0231309	0.2915884	0.5686648	20	0.78165962
ENSG00000180185	16	FAHD1	1876968	rs9652778	16	1886673	C	G	0.183897	-0.0001575	0.00928764	0.986474	0.817832	0.0680576	2.90E-33	-0.0001925	0.0113564	0.9864741	0.3688848	20	0.99422252
ENSG00000255513	16	AC005363.9	2013746	rs72764893	16	2013756	C	T	0.130219	-0.0005729	0.0118637	0.961482	0.965078	0.115409	6.15E-17	-0.0005937	0.0122932	0.9614828	0.5521892	11	0.98796376
ENSG00000261613	16	RP11-20I23.13	2604061	rs12185166	16	2713728	T	C	0.261431	0.00710752	0.0091735	0.438465	1.22704	0.113428	2.84E-27	0.00579241	0.00749527	0.4396356	0.2659495	10	0.86618806
ENSG00000260565	16	ERVK13-1	2710350	rs4283228	16	2716435	G	A	0.403579	0.00771816	0.00846892	0.36211	-0.848769	0.0729064	2.52E-31	-0.0090934	0.0100084	0.3635764	0.4457855	12	0.82820583
ENSG00000263280	16	LA16c-325D7.2	2916349	rs886287	16	2916791	C	G	0.409543	0.00287241	0.00858827	0.738035	0.733876	0.0866786	2.53E-17	0.00391403	0.0117117	0.7382311	0.4349044	11	0.93473078
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.86397	0.0635135	3.85E-42	0.00950354	0.00950893	0.3175853	0.3140587	20	0.79207218
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2524316	16	3054011	G	C	0.612326	-0.0097591	0.00819861	0.233914	0.834969	0.0774459	4.22E-27	-0.011688	0.00987872	0.2367506	0.6027998	20	0.72999889
ENSG00000213937	16	CLDN9	3062457	rs2526265	16	3059206	G	A	0.368787	0.00999876	0.00824	0.224961	-0.392991	0.0637843	7.22E-10	-0.0254427	0.0213702	0.2338219	0.6082837	11	0.72999889
ENSG00000263072	16	RP11-473M20.14	3166043	rs1053871	16	3181963	C	T	0.374751	0.0155342	0.00852027	0.0682732	0.591447	0.065546	1.82E-19	0.0262647	0.0146969	0.07392285	0.3172944	20	0.58667734
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	0.894505	0.0923842	3.58E-22	0.0207603	0.0158018	0.1889167	0.00014527	20	0.68577349
ENSG00000167984	16	NLRC3	3589033	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	-1.05874	0.12549	3.26E-17	-0.0175399	0.0133895	0.1902051	0.00016589	20	0.68577349
ENSG00000126602	16	TRAP1	3701640	rs4786429	16	3728517	T	C	0.715706	0.00050418	0.00957198	0.957993	0.486734	0.0579579	4.54E-17	0.00103583	0.0196661	0.957994	0.03121251	10	0.98791053
ENSG00000262246	16	CORO7	4404543	rs9925719	16	4461861	G	A	0.749503	0.00249839	0.00918226	0.785554	0.483743	0.0588173	1.96E-16	0.00516471	0.0189921	0.7856681	0.5566461	20	0.94961025
ENSG00000153406	16	NMRAL1	4511681	rs8053770	16	4539030	A	T	0.709742	0.00121208	0.00925035	0.895751	-0.431402	0.0587174	2.03E-13	-0.0028096	0.0214459	0.8957675	0.1523858	6	0.97813375
ENSG00000102858	16	MGRN1	4666494	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	0.803085	0.0622098	3.99E-38	0.00658279	0.0102305	0.5199328	0.7183658	20	0.87134983
ENSG00000103199	16	ZNF500	4798240	rs963712	16	4803327	C	G	0.624254	0.0161327	0.00838767	0.0544327	-0.515052	0.0760036	1.23E-11	-0.0313225	0.0169283	0.06427035	0.2365442	20	0.57851705
ENSG00000140623	16	12-Sep	4827670	rs3827528	16	4853092	C	T	0.417495	0.00114422	0.0082951	0.890288	0.828141	0.0873875	2.63E-21	0.00138167	0.0100176	0.8903	0.04901488	20	0.97813375
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	0.902588	0.0999659	1.73E-19	-0.0230266	0.011549	0.04617319	0.016125	20	0.54092126
ENSG00000067836	16	ROGDI	4846969	rs56400014	16	4846533	A	G	0.5	0.0040816	0.00813853	0.616009	-0.248965	0.033784	1.72E-13	-0.0163943	0.0327651	0.6168228	0.08361714	20	0.90936324
ENSG00000067365	16	METTL22	8715540	rs1730982	16	8743015	A	G	0.11829	0.0079751	0.0158523	0.614904	-0.64177	0.093842	7.98E-12	-0.0124267	0.0247677	0.615856	0.3456265	20	0.90856974
ENSG00000175643	16	RMI2	11343476	rs12149160	16	11439303	T	G	0.519881	-0.0031603	0.00813255	0.697572	-0.780316	0.0793881	8.43E-23	0.00405004	0.0104303	0.6977964	0.2486803	20	0.92906635
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.14959	0.0850193	1.17E-41	0.00479387	0.00703168	0.4953948	0.07825054	20	0.87134983
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.608392	0.0844589	5.87E-13	0.0295219	0.0140715	0.03590563	0.6905175	15	0.47347013
ENSG00000260735	16	RP11-72I8.1	15188268	rs2941262	16	15220753	C	G	0.682903	-0.0033228	0.00890398	0.709014	-0.562088	0.100568	2.28E-08	0.00591153	0.0158762	0.7096305	0.02390575	13	0.92906635
ENSG00000188599	16	NPIPP1	15198178	rs7404466	16	15129092	T	C	0.837972	-0.0173501	0.0114894	0.131021	-0.492478	0.0705817	3.01E-12	0.0352302	0.0238699	0.1399639	0.03464166	14	0.66149748
ENSG00000183793	16	NPIPA5	15457516	rs78127107	16	15279867	T	C	0.562624	-0.0125511	0.00830393	0.130669	0.896485	0.0882159	2.92E-24	-0.0140003	0.00936466	0.1349093	0.3800956	20	0.66089262
ENSG00000072864	16	NDE1	15737124	rs55871015	16	15810211	A	G	0.294235	-0.0004519	0.00884349	0.959249	-0.325855	0.0372094	2.00E-18	0.0013867	0.0271398	0.9592501	0.3947872	20	0.98791053
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.648198	0.059171	6.31E-28	0.00238509	0.0141869	0.8664898	0.3513392	20	0.97039534
ENSG00000091262	16	ABCC6	16242785	rs4780614	16	16298288	T	G	0.202783	0.0142598	0.0125678	0.256531	-0.572128	0.0865613	3.86E-11	-0.0249241	0.0222881	0.2634508	0.5167799	11	0.75668673
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.82472	0.0846038	1.88E-22	-0.0192897	0.013263	0.1458345	0.9872751	12	0.66601785
ENSG00000227827	16	RP11-958N24.2	16450081	rs12929920	16	16291858	C	G	0.729622	-0.004157	0.0108371	0.701286	-0.927674	0.126287	2.05E-13	0.00448105	0.0116979	0.7016729	0.1849363	7	0.92906635
ENSG00000103544	16	C16orf62	19566562	rs9940590	16	19659727	A	C	0.327038	-0.0222086	0.00812344	0.00625922	-0.365559	0.0663981	3.68E-08	0.0607524	0.0248109	0.01434055	0.3458437	6	0.37355797
ENSG00000103550	16	KNOP1	19714902	rs3829539	16	19722366	C	T	0.16004	0.0277758	0.011499	0.0157138	1.11261	0.0917716	7.91E-34	0.0249645	0.0105383	0.01783933	0.1536356	20	0.39297047
ENSG00000261195	16	CTD-2380F24.1	19772494	rs2047889	16	19777705	A	C	0.16004	0.0211608	0.0115078	0.0659417	-0.51335	0.0726548	1.60E-12	-0.041221	0.0231638	0.0751504	0.07711727	10	0.58667734
ENSG00000183549	16	ACSM5	20420856	rs71373188	16	20441565	A	T	0.0536779	0.00061492	0.014003	0.964974	-0.591642	0.0992268	2.48E-09	-0.0010393	0.0236687	0.9649746	0.9923032	6	0.98923895
ENSG00000260306	16	RP11-645C24.5	21805416	rs2974875	16	21809014	T	G	0.197813	-0.038164	0.00910239	2.76E-05	-0.681761	0.0966089	1.70E-12	0.0559786	0.01553	0.0003127	0.05503994	16	0.11400133
ENSG00000103356	16	EARS2	23533335	rs30016	16	23412897	A	G	0.167992	-0.0154213	0.00938616	0.100386	-0.396176	0.0617994	1.45E-10	0.0389254	0.0244576	0.111487	0.3163911	8	0.64079729
ENSG00000262587	16	RP11-266L9.4	25043202	rs7404350	16	25044449	C	T	0.667992	-0.0033685	0.00934546	0.718517	0.658706	0.103235	1.76E-10	-0.0051138	0.0142102	0.7189454	0.4493401	7	0.92906635
ENSG00000259954	16	IL21R-AS1	27458990	rs2097692	16	27593587	A	T	0.841948	-0.0377699	0.0122808	0.00210136	1.02356	0.0890714	1.46E-30	-0.0369005	0.0124204	0.00296869	0.0548489	20	0.22516974
ENSG00000233232	16	NPIPB7	28467693	rs151174	16	28508069	T	C	0.346918	-0.0078853	0.00806053	0.327944	-0.56706	0.0909744	4.57E-10	0.0139056	0.0143886	0.3338274	0.8437959	20	0.81346447
ENSG00000197165	16	SULT1A2	28603264	rs743590	16	28608230	A	G	0.326044	-0.0067086	0.00808517	0.406686	0.716966	0.104374	6.46E-12	-0.0093569	0.0113589	0.4100803	0.5401352	20	0.85065581
ENSG00000196502	16	SULT1A1	28616903	rs62031562	16	28609329	T	A	0.317097	-0.0097261	0.00812659	0.231377	-0.505084	0.0734739	6.23E-12	0.0192563	0.0163316	0.2383655	0.8847989	20	0.73236936
ENSG00000251417	16	RP11-1348G14.4	28814097	rs72793812	16	28840381	G	A	0.33002	-0.0107036	0.00818185	0.190801	-0.686016	0.106073	9.97E-11	0.0156026	0.0121682	0.1997574	0.9604943	20	0.69745575
ENSG00000183336	16	BOLA2	29464914	rs140935476	16	30343236	A	G	0.430417	-0.0115948	0.00826366	0.160585	-0.458483	0.0799772	9.89E-09	0.0252895	0.0185559	0.1729207	0.02995606	7	0.67238185
ENSG00000103485	16	QPRT	29674600	rs9933310	16	29690904	G	A	0.39165	0.0138543	0.00815579	0.0893738	-0.378436	0.0557675	1.15E-11	-0.0366094	0.0222163	0.09938114	0.518525	3	0.63632713
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.625238	0.0936285	2.42E-11	0.0166497	0.0144165	0.2481312	0.2942129	6	0.73912788
ENSG00000149922	16	TBX6	30097114	rs3809627	16	30103160	A	C	0.416501	0.0231229	0.00805391	0.00409157	-0.324646	0.0594663	4.78E-08	-0.071225	0.0280297	0.01105177	0.4077115	3	0.32999651
ENSG00000103496	16	STX4	31044210	rs9673641	16	31039376	A	G	0.367793	-0.0041094	0.00824086	0.618022	-0.2519	0.0403648	4.36E-10	0.0163135	0.0328191	0.619138	0.9225768	7	0.91003736
ENSG00000103510	16	KAT8	31127075	rs61162043	16	31114234	G	A	0.605368	-0.0070489	0.00827352	0.394225	0.375682	0.0594254	2.58E-10	-0.0187629	0.0222218	0.3984751	0.8531031	19	0.83909579
ENSG00000178226	16	PRSS36	31150246	rs78924645	16	31154358	A	G	0.289264	-0.0101636	0.00861088	0.237871	0.539816	0.0789919	8.27E-12	-0.0188279	0.0161877	0.244789	0.8706163	9	0.73779433
ENSG00000155393	16	HEATR3	50099852	rs2287197	16	50106594	C	T	0.709742	0.00101991	0.00953666	0.914832	0.906767	0.0977304	1.72E-20	0.00112478	0.0105179	0.9148373	0.02251136	20	0.97813375
ENSG00000103479	16	RBL2	53467889	rs8061398	16	53454151	T	G	0.466203	0.00118701	0.00840765	0.887726	-0.321714	0.038132	3.26E-17	-0.0036896	0.0261376	0.8877417	0.6504823	16	0.97813375
ENSG00000166971	16	AKTIP	53524952	rs4002164	16	53525633	C	A	0.166998	0.0226174	0.0133605	0.0904836	-0.365281	0.0477873	2.11E-14	-0.0619178	0.0374622	0.09836985	0.1341823	10	0.63478762
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	1.04315	0.121877	1.14E-17	-0.0079485	0.010565	0.4518451	0.7328741	7	0.86778724
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.47189	0.0723808	7.05E-11	-0.0309767	0.0184214	0.09265405	0.6159029	5	0.61192083
ENSG00000141076	16	CIRH1A	69165194	rs75086474	16	69431163	A	G	0.0308151	0.0462288	0.0246438	0.0606722	-0.790881	0.130876	1.51E-09	-0.0584523	0.0326267	0.07320581	0.4388287	7	0.58667734
ENSG00000157322	16	CLEC18A	69984810	rs200766919	16	70079587	T	C	0.404573	-0.0048642	0.00809313	0.547823	-1.07306	0.100077	8.00E-27	0.004533	0.00755394	0.5484504	0.09457127	20	0.88824664
ENSG00000226232	16	RP11-419C5.2	70010291	rs7189616	16	70039857	C	T	0.385686	-0.0005105	0.00844143	0.951779	-0.728611	0.0783681	1.44E-20	0.00070061	0.0115859	0.9517806	0.1073346	20	0.98752211
ENSG00000255185	16	PDXDC2P	70044654	rs62051328	16	70034734	A	G	0.405567	-0.0039156	0.00808838	0.628317	-0.63833	0.0627967	2.84E-24	0.00613408	0.0126855	0.6287052	0.07026755	20	0.91354011
ENSG00000261556	16	RP11-296I10.6	70253477	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.500182	0.060009	7.74E-17	0.0483166	0.0174601	0.00565286	0.01365733	20	0.2764859
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.674041	0.0556431	8.94E-34	0.0358541	0.0125749	0.00435486	0.01769539	20	0.26622312
ENSG00000102967	16	DHODH	72042487	rs7186207	16	72035359	C	T	0.484095	-0.0047002	0.00807686	0.560613	-0.36117	0.0628615	9.17E-09	0.0130138	0.0224775	0.562609	0.00138458	4	0.89290163
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	1.18462	0.104648	1.04E-29	0.00744289	0.00864855	0.3894617	0.00935995	20	0.8319892
ENSG00000259209	16	RP5-991G20.2	72840887	rs7203453	16	72838899	T	G	0.785288	0.014822	0.0120111	0.217193	0.598617	0.109243	4.26E-08	0.0247604	0.0205672	0.2286376	0.00967452	6	0.72889676
ENSG00000184517	16	ZFP1	75182390	rs34095851	16	75176663	T	C	0.60338	-0.0084777	0.00813561	0.297387	0.41878	0.0602419	3.61E-12	-0.0202439	0.019644	0.3027574	0.8801852	18	0.78165962
ENSG00000205078	16	SYCE1L	77233294	rs8398	16	77233338	T	C	0.260437	-0.0136137	0.00898869	0.129889	0.779409	0.0923597	3.20E-17	-0.0174667	0.011717	0.1360354	0.1720078	20	0.66149748
ENSG00000140873	16	ADAMTS18	77281710	rs2562115	16	77394592	G	A	0.592445	0.00175468	0.00805877	0.827636	-0.750681	0.0874242	8.95E-18	-0.0023375	0.0107387	0.8276898	0.5182327	17	0.96159938
ENSG00000186153	16	WWOX	78133310	rs10221138	16	78130155	G	A	0.389662	-0.0058581	0.00817005	0.473364	-0.410745	0.062223	4.08E-11	0.014262	0.0200078	0.4759548	0.00400237	20	0.87134983
ENSG00000261390	16	RP11-345M22.2	79750622	rs7196490	16	79752469	C	T	0.414513	0.0139839	0.00844975	0.0979332	-0.761936	0.0762232	1.58E-23	-0.0183531	0.0112408	0.1025272	0.4607889	17	0.63886666
ENSG00000260213	16	RP11-303E16.3	81050397	rs12448656	16	81042481	T	G	0.228628	-0.0029818	0.00866147	0.730653	-0.507635	0.0704534	5.79E-13	0.00587387	0.0170819	0.7309473	0.5059852	20	0.93390991
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.60946	0.0665663	5.40E-20	-0.0045462	0.0132652	0.7318131	0.2477562	20	0.93390991
ENSG00000140955	16	ADAD2	84224744	rs11864916	16	84228305	G	C	0.311133	0.0160265	0.00881752	0.0691305	0.740996	0.0934743	2.24E-15	0.0216283	0.0122083	0.07646025	0.6890675	17	0.58667734
ENSG00000250685	16	RP11-486L19.2	84226164	rs11864916	16	84228305	G	C	0.311133	0.0160265	0.00881752	0.0691305	0.627532	0.100984	5.16E-10	0.0255389	0.0146398	0.0810744	0.4863891	7	0.58829762
ENSG00000270020	16	RP11-463O9.9	86553989	rs12924722	16	86556993	C	G	0.605368	0.00302847	0.00846996	0.720678	-0.771662	0.0887461	3.46E-18	-0.0039246	0.0109855	0.7209029	0.2155025	20	0.92906635
ENSG00000226180	16	AC010536.1	87727144	rs55950332	16	87770469	A	G	0.457256	0.0100022	0.00829856	0.22809	0.486896	0.088073	3.23E-08	0.0205428	0.0174442	0.2389441	0.6405491	16	0.73308465
ENSG00000104731	16	KLHDC4	87730091	rs55950332	16	87770469	A	G	0.457256	0.0100022	0.00829856	0.22809	0.494475	0.0610553	5.55E-16	0.0202279	0.0169674	0.2331972	0.1013767	20	0.72999889
ENSG00000259877	16	RP11-46C24.7	89281638	rs8059397	16	89287865	C	A	0.0626243	-0.012356	0.017545	0.481281	-0.937935	0.131111	8.44E-13	0.0131736	0.0187964	0.4833915	0.1377355	18	0.87134983
ENSG00000170100	16	ZNF778	89284118	rs117884871	16	89292039	A	G	0.0188867	0.0198618	0.0227373	0.382372	2.21468	0.296507	8.07E-14	0.00896825	0.0103366	0.3856021	0.397979	9	0.8319892
ENSG00000015413	16	DPEP1	89679716	rs2377054	16	89658246	T	C	0.595427	0.0123263	0.00818491	0.132072	-0.318662	0.057256	2.61E-08	-0.0386814	0.0266089	0.1460295	0.4520305	8	0.66601785
ENSG00000185324	16	CDK10	89747145	rs77651727	16	89708267	T	C	0.0506958	0.00017238	0.0163159	0.991571	-0.504785	0.0856127	3.72E-09	-0.0003415	0.0323225	0.9915706	0.5440073	20	0.99532655
ENSG00000075399	16	VPS9D1	89773542	rs62068372	16	89785107	C	T	0.235586	-0.0036027	0.00999169	0.718421	0.284304	0.0470654	1.54E-09	-0.012672	0.0352069	0.7189002	0.6722169	9	0.92906635
ENSG00000261373	16	VPS9D1-AS1	89778264	rs62068372	16	89785107	C	T	0.235586	-0.0036027	0.00999169	0.718421	0.556656	0.0940237	3.21E-09	-0.006472	0.0179827	0.7189198	0.3016477	17	0.92906635
ENSG00000204991	16	SPIRE2	89884587	rs7204250	16	89883224	G	C	0.302187	-0.0157893	0.00837019	0.0592448	0.34254	0.0464081	1.57E-13	-0.0460948	0.0252211	0.06760508	0.5612199	20	0.57851705
ENSG00000181031	17	RPH3AL	62293	rs8066107	17	66675	A	G	0.680915	0.00010537	0.00856656	0.990186	-0.796031	0.0711243	4.46E-29	-0.0001324	0.0107616	0.9901862	0.9796933	16	0.99531498
ENSG00000187624	17	C17orf97	260118	rs4567793	17	248856	T	C	0.787276	-0.0140467	0.00960515	0.143629	-0.438073	0.067193	7.05E-11	0.0320647	0.0224707	0.1535927	0.7842773	7	0.6687947
ENSG00000183688	17	FAM101B	289769	rs9893093	17	294117	A	G	0.0725646	-0.0201113	0.0193486	0.298611	-0.752461	0.129275	5.86E-09	0.0267274	0.0261205	0.3061982	0.01478513	5	0.78209661
ENSG00000231784	17	DBIL5P	655900	rs2740345	17	667377	A	G	0.0337972	0.0197491	0.0229735	0.389985	1.468	0.207196	1.39E-12	0.0134531	0.0157643	0.393444	0.04982569	6	0.83577283
ENSG00000167711	17	SERPINF2	1646130	rs8070192	17	1638191	A	G	0.225646	-0.0037132	0.00992542	0.708324	0.611539	0.0728504	4.68E-17	-0.0060718	0.0162463	0.7086006	0.7927491	8	0.92906635
ENSG00000186532	17	SMYD4	1682779	rs5008945	17	1675596	G	C	0.343936	0.0117161	0.0082067	0.153401	-0.729011	0.0861186	2.56E-17	-0.0160712	0.0114163	0.1592059	0.5198044	5	0.67203469
ENSG00000167720	17	SRR	2206677	rs3744270	17	2207326	A	G	0.341948	0.0117644	0.00853037	0.167857	-0.760364	0.0825593	3.26E-20	-0.0154721	0.0113439	0.172595	0.03301191	19	0.67238185
ENSG00000127804	17	METTL16	2308856	rs9898015	17	2325045	G	A	0.66004	0.00602176	0.00907123	0.506799	0.43604	0.0605688	6.06E-13	0.0138101	0.0208919	0.5085955	0.06954768	5	0.87134983
ENSG00000108381	17	ASPA	3375668	rs80071034	17	3435062	G	A	0.0377734	-0.0283518	0.0236484	0.23057	-0.521021	0.0892895	5.37E-09	0.0544158	0.0463367	0.2402516	0.07088551	8	0.73347791
ENSG00000197417	17	SHPK	3511556	rs62069928	17	3514598	T	C	0.241551	0.0136324	0.00925157	0.140611	1.04958	0.0845989	2.41E-35	0.0129884	0.0088765	0.1434021	0.5176869	17	0.66601785
ENSG00000040531	17	CTNS	3539762	rs1048674	17	3564688	G	A	0.229622	-0.0099228	0.00915456	0.278402	-0.446464	0.0726636	8.03E-10	0.0222252	0.0208212	0.2857768	0.6093584	5	0.77446362
ENSG00000182557	17	SPNS3	4336983	rs7215350	17	4338492	T	C	0.176938	0.0113886	0.0108179	0.292451	-0.40774	0.0662912	7.71E-10	-0.027931	0.0269172	0.2994258	0.9005712	9	0.78165962
ENSG00000161905	17	ALOX15	4534197	rs72835644	17	4573667	A	G	0.219682	0.00959752	0.0105175	0.36149	0.589286	0.072413	4.02E-16	0.0162867	0.0179597	0.3644887	0.4822853	18	0.82820583
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-1.03257	0.110771	1.14E-20	0.0134728	0.0130521	0.3019628	0.627325	12	0.78165962
ENSG00000108556	17	CHRNE	4801069	rs72835064	17	4809454	T	C	0.0954274	-0.0210272	0.0117951	0.0746328	0.984561	0.137582	8.30E-13	-0.0213569	0.0123462	0.08365902	0.9474726	17	0.59316763
ENSG00000234327	17	AC012146.7	5014763	rs56197642	17	5018244	G	C	0.111332	-0.0080551	0.0103627	0.436972	-0.6281	0.0797982	3.52E-15	0.0128245	0.0165787	0.439197	0.5539655	17	0.86618806
ENSG00000129204	17	USP6	5019733	rs143649705	17	5154016	A	G	0.0685885	-0.0459876	0.0206778	0.0261481	1.26811	0.191499	3.54E-11	-0.0362647	0.0172011	0.03500663	0.8852466	3	0.47347013
ENSG00000167842	17	MIS12	5389605	rs6502866	17	5410041	G	A	0.347913	-0.0010336	0.00841961	0.902295	0.391674	0.0695328	1.77E-08	-0.002639	0.0215016	0.9023185	0.8188381	10	0.97813375
ENSG00000132507	17	EIF5A	7210318	rs28636077	17	7209386	A	G	0.558648	0.00829132	0.00869057	0.340053	-0.2745	0.0420302	6.53E-11	-0.0302052	0.0319957	0.3451493	0.01892359	6	0.8233267
ENSG00000220205	17	VAMP2	8062467	rs11650309	17	8129538	C	G	0.261431	-0.0142054	0.0105996	0.180186	-0.342783	0.0572775	2.17E-09	0.0414414	0.0316881	0.1909439	0.8651134	16	0.6860249
ENSG00000109047	17	RCVRN	9799637	rs1047367	17	9819126	C	T	0.530815	-0.0137258	0.00810268	0.0902693	-0.833322	0.0834487	1.75E-23	0.0164712	0.00986226	0.09489496	0.0185975	20	0.62283999
ENSG00000133028	17	SCO1	10583654	rs11078857	17	10586023	C	T	0.471173	0.0104221	0.00815915	0.201479	0.309223	0.048953	2.67E-10	0.0337042	0.0269201	0.2105665	0.9464627	6	0.70976598
ENSG00000170222	17	ADPRM	10600911	rs11078857	17	10586023	C	T	0.471173	0.0104221	0.00815915	0.201479	0.452885	0.0772227	4.50E-09	0.0230127	0.0184383	0.211998	0.9942207	9	0.70976598
ENSG00000187824	17	TMEM220	10602332	rs418557	17	10632975	T	C	0.474155	0.0115038	0.00812364	0.156749	-0.517515	0.054667	2.89E-21	-0.0222289	0.0158721	0.1613615	0.9990515	16	0.67203469
ENSG00000265489	17	RP11-1090M7.1	12663457	rs77593888	17	12728445	T	C	0.0238569	0.0119474	0.055026	0.828113	1.38135	0.243613	1.43E-08	0.00864907	0.0398641	0.8282365	0.3876919	3	0.96159938
ENSG00000006744	17	ELAC2	12895708	rs2286341	17	12895669	A	C	0.612326	0.0100914	0.00834009	0.226285	0.46089	0.0502471	4.62E-20	0.0218955	0.0182524	0.2302969	0.4324398	19	0.72889676
ENSG00000125409	17	TEKT3	15207128	rs189330	17	15460005	T	A	0.326044	0.0167038	0.0083859	0.0463831	-0.353089	0.0590176	2.19E-09	-0.0473076	0.0250318	0.0587716	0.1638314	10	0.56493913
ENSG00000239704	17	CDRT4	15339332	rs9914680	17	15455582	G	C	0.586481	-0.0066254	0.00813217	0.415237	0.341751	0.0530922	1.22E-10	-0.0193865	0.0239854	0.4189392	0.2125241	17	0.8550524
ENSG00000187607	17	ZNF286A	15602891	rs4471717	17	15621373	G	A	0.749503	-0.0198581	0.00878057	0.0237225	-0.575091	0.092294	4.63E-10	0.0345304	0.0162427	0.03351174	0.9018725	10	0.47347013
ENSG00000179277	17	MEIS3P1	15689932	rs534861	17	15690793	C	T	0.303181	-0.0069952	0.00864396	0.418364	-0.484088	0.0610333	2.16E-15	0.0144503	0.0179489	0.4207714	0.2818511	10	0.8550524
ENSG00000265519	17	CTD-3157E16.1	15691101	rs534861	17	15690793	C	T	0.303181	-0.0069952	0.00864396	0.418364	-0.576361	0.0826957	3.18E-12	0.0121369	0.0150982	0.4214763	0.3036516	8	0.8550524
ENSG00000214941	17	ZSWIM7	15879874	rs2286796	17	15884227	G	A	0.573559	-0.0013149	0.0082278	0.873027	-0.442068	0.0489805	1.79E-19	0.00297447	0.018615	0.8730471	0.6263364	19	0.97372213
ENSG00000166582	17	CENPV	16245848	rs12603712	17	16245481	A	G	0.464215	0.00343096	0.00804944	0.669936	0.605353	0.0617997	1.18E-22	0.0056677	0.0133097	0.6702296	0.521848	20	0.92695413
ENSG00000187688	17	TRPV2	16318856	rs113741660	17	16309454	T	C	0.333002	0.00641571	0.00891191	0.471585	-0.446531	0.0484365	3.00E-20	-0.0143679	0.0200189	0.4729312	0.7118357	14	0.87032478
ENSG00000154803	17	FLCN	17115526	rs1613416	17	17133121	A	G	0.580517	-0.0043298	0.00878147	0.621972	0.402126	0.0582739	5.18E-12	-0.0107672	0.0218933	0.6228581	0.1706217	16	0.91003736
ENSG00000177302	17	TOP3A	18174742	rs7212104	17	18214662	C	T	0.661034	0.00289961	0.00894622	0.745851	-0.373983	0.0591685	2.60E-10	-0.0077533	0.0239529	0.7461725	0.9899501	12	0.93473078
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.890674	0.079653	5.00E-29	-0.0060677	0.00918891	0.509044	0.9430548	20	0.87134983
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.02781	0.0905352	7.20E-30	-0.0052581	0.00796246	0.5090219	0.9427803	20	0.87134983
ENSG00000213077	17	FAM106A	18427880	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.670801	0.0928628	5.06E-13	-0.0080565	0.0122305	0.5100722	0.8022116	6	0.87134983
ENSG00000171928	17	TVP23B	18684308	rs150839088	17	18716924	A	C	0.496024	0.0032569	0.00810543	0.687819	-0.439137	0.0593114	1.32E-13	-0.0074166	0.0184848	0.6882533	0.3073511	20	0.92906635
ENSG00000141127	17	PRPSAP2	18743398	rs12940837	17	18809764	T	C	0.246521	-0.0068486	0.00881181	0.437036	-0.461294	0.0741306	4.89E-10	0.0148465	0.0192508	0.4405789	0.1976993	20	0.86618806
ENSG00000261033	17	RP11-209D14.2	19911364	rs17604987	17	19867331	A	T	0.276342	0.0136559	0.0096164	0.155588	-0.445593	0.070065	2.02E-10	-0.0306466	0.0221126	0.1657672	0.07117652	12	0.67238185
ENSG00000154898	17	CCDC144CP	20224477	rs75296798	17	20217375	A	G	0.102386	0.0168417	0.0135097	0.212529	0.663074	0.118153	2.00E-08	0.0253994	0.020871	0.2236145	0.1163667	8	0.72611201
ENSG00000230528	17	NOS2P3	20339650	rs17686798	17	20029170	T	G	0.430417	0.0103561	0.00829357	0.211779	-0.53274	0.0819231	7.88E-11	-0.0194393	0.0158522	0.2200906	0.2134984	20	0.72389796
ENSG00000007171	17	NOS2	26083792	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	-0.870743	0.0892508	1.74E-22	0.0111961	0.0112891	0.3213123	0.3490184	12	0.79207218
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.373913	0.0496818	5.23E-14	-0.0260728	0.0263815	0.3230075	0.3630469	10	0.7944036
ENSG00000004142	17	POLDIP2	26673659	rs2071379	17	26695832	G	A	0.578529	0.00424999	0.00810491	0.600019	0.309502	0.0423842	2.83E-13	0.0137317	0.0262544	0.6009565	0.5546316	13	0.90357711
ENSG00000244045	17	TMEM199	26684604	rs241775	17	26644668	T	C	0.480119	-0.0028958	0.00804164	0.718772	-0.345629	0.0585127	3.49E-09	0.00837835	0.0233099	0.7192709	0.6363857	5	0.92906635
ENSG00000167525	17	PROCA1	27030215	rs9911086	17	27061586	T	C	0.0725646	-0.0136658	0.0147034	0.352663	-0.54069	0.0989487	4.65E-08	0.0252747	0.0275843	0.3595244	0.8803788	3	0.82820583
ENSG00000221995	17	TIAF1	27400537	rs7211450	17	27394671	A	G	0.328032	0.00492622	0.00853872	0.563988	-0.378425	0.0497649	2.87E-14	-0.0130177	0.0226287	0.565106	0.07056369	19	0.89304677

ENSG00000108587	17	GOSR1	28804380	rs4795554	17	28804996	C	T	0.517893	-0.0062193	0.00805241	0.439908	-0.352809	0.0512335	5.73E-12	0.0176278	0.0229668	0.4427633	0.5129352	20	0.86618806
ENSG00000264538	17	SUZ12P	29036317	rs2322197	17	29105805	C	T	0.107356	0.003827	0.0142578	0.788379	-1.0204	0.106747	1.19E-21	-0.0037505	0.0139783	0.7884617	0.9991841	13	0.95135959
ENSG00000176390	17	CRLF3	29096406	rs11656844	17	29060597	T	G	0.107356	0.00308242	0.014269	0.828971	-0.690658	0.108734	2.13E-10	-0.004463	0.020672	0.8290678	0.9985039	13	0.96188679
ENSG00000141314	17	RHBDL3	30593195	rs2285428	17	30820176	C	T	0.634195	-0.004211	0.00839946	0.616131	-0.391993	0.0703359	2.50E-08	0.0107425	0.0215141	0.6175501	0.6248285	9	0.90980279
ENSG00000132141	17	CCT6B	33254878	rs234834	17	33186925	G	A	0.377734	-0.0067897	0.00818536	0.406825	-0.358097	0.0562917	2.00E-10	0.0189605	0.0230514	0.4107746	0.4228608	8	0.8512631
ENSG00000005156	17	LIG3	33307513	rs1088450	17	33399745	C	T	0.489066	-0.0032438	0.00815383	0.690761	-0.543752	0.0667591	3.79E-16	0.00596553	0.0150134	0.6911109	0.0982063	10	0.92906635
ENSG00000166750	17	SLFN5	33570055	rs3744363	17	33568271	C	T	0.505964	-0.0052914	0.00809099	0.513118	0.431204	0.0500814	7.30E-18	-0.0122713	0.0188178	0.5143281	0.2997061	18	0.87134983
ENSG00000008838	17	MED24	38175350	rs9916158	17	38182229	T	G	0.368787	-0.0200381	0.0085569	0.0191938	-0.366731	0.0668845	4.18E-08	0.0546398	0.0253718	0.03127466	0.8636552	3	0.47347013
ENSG00000188895	17	MSL1	38278551	rs117827273	17	38279036	G	C	0.161034	-0.0138363	0.0108414	0.20187	-0.523453	0.0819421	1.68E-10	0.0264327	0.0211206	0.2107469	0.4319219	13	0.70976598
ENSG00000141698	17	NT5C3B	39981335	rs9896980	17	39993222	A	G	0.727634	-0.0081293	0.00852572	0.340334	-0.352045	0.0451492	6.32E-15	0.0230917	0.0243981	0.3439165	0.4848382	10	0.8233267
ENSG00000037042	17	TUBG2	40811323	rs4793098	17	40833187	G	C	0.525845	0.00544505	0.00808178	0.500475	-0.346979	0.0525096	3.90E-11	-0.0156927	0.0234126	0.5026864	0.1641179	12	0.87134983
ENSG00000198496	17	NBR2	41277627	rs33946455	17	41321846	T	C	0.359841	0.020176	0.00828931	0.0149341	-1.19602	0.0807542	1.25E-49	-0.0168693	0.00702371	0.01631635	0.8010428	20	0.38316577
ENSG00000267080	17	ASB16-AS1	42253341	rs7214540	17	42256604	G	A	0.297217	-0.0264597	0.00865247	0.00222777	-0.474783	0.0835334	1.32E-08	0.0557301	0.0206944	0.00708109	0.5548811	5	0.2764859
ENSG00000013306	17	SLC25A39	42396993	rs4793095	17	42410180	G	A	0.432406	-0.0186054	0.00808047	0.0213059	-0.380982	0.053003	6.58E-13	0.0488354	0.0222712	0.02832469	0.6024681	19	0.4514913
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-0.857254	0.0801516	1.07E-26	-0.0294381	0.0138614	0.03369117	0.00588455	20	0.47347013
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.51715	0.0594325	3.28E-18	0.0374002	0.0173182	0.03080495	0.03570347	14	0.47347013
ENSG00000214425	17	LRRC37A4P	43578685	rs112155389	17	43758078	A	G	0.239563	-0.0037828	0.0147891	0.798119	-1.18439	0.0823068	5.98E-47	0.00319388	0.0124887	0.7981496	0.9769998	4	0.95149298
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.04766	0.108139	3.39E-22	-0.0054565	0.0143005	0.7027888	0.9999564	10	0.92906635
ENSG00000263503	17	RP11-707O23.5	43678235	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.20527	0.105015	1.72E-30	-0.0047429	0.0124277	0.7027257	0.9999871	11	0.92906635
ENSG00000204650	17	CRHR1-IT1	43697694	rs56340658	17	43689090	C	T	0.241551	-0.0038861	0.0147709	0.792479	0.806212	0.067104	2.99E-33	-0.0048202	0.0183258	0.7925286	0.9999447	10	0.95149298
ENSG00000264589	17	MAPT-AS1	43921017	rs242559	17	44025888	A	C	0.749503	0.00421755	0.0146078	0.772796	0.540756	0.0669673	6.75E-16	0.00779936	0.0270309	0.7729375	0.9999912	12	0.94792099
ENSG00000120071	17	KANSL1	44107282	rs11656151	17	44068492	G	A	0.200795	-0.0094741	0.00997157	0.342056	0.492202	0.0765756	1.30E-10	-0.0192484	0.0204792	0.3472697	0.785992	10	0.8233267
ENSG00000214401	17	KANSL1-AS1	44270942	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.12891	0.0925293	3.09E-34	0.00355535	0.0128266	0.781637	0.2860312	12	0.9484432
ENSG00000262500	17	RP11-259G18.2	44320972	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.21244	0.111205	1.12E-27	0.00331041	0.0119437	0.7816508	0.2969726	12	0.9484432
ENSG00000262539	17	RP11-259G18.3	44336917	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.17003	0.096691	1.05E-33	-0.0048858	0.0128013	0.70271	0.1071231	12	0.92906635
ENSG00000261575	17	RP11-259G18.1	44344403	rs62062273	17	44092243	T	C	0.240557	-0.0066389	0.0148932	0.655766	0.74921	0.121007	5.96E-10	-0.0088612	0.01993	0.656598	0.07758016	7	0.92370535
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.04317	0.130342	1.21E-15	-0.0070166	0.00805479	0.3836929	0.5752953	8	0.8319892
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.05325	0.0841921	6.58E-36	-0.0067475	0.00777168	0.3852778	0.4066967	20	0.8319892
ENSG00000260075	17	NSFP1	44450221	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.14894	0.109782	1.24E-25	-0.0063707	0.00729526	0.3825199	0.7492362	20	0.8319892
ENSG00000238083	17	LRRC37A2	44588877	rs8073146	17	43893751	G	A	0.239563	-0.0058667	0.014833	0.69246	1.30903	0.0946153	1.56E-43	-0.0044817	0.0113359	0.6925793	0.9872	4	0.92906635
ENSG00000185829	17	ARL17A	44594068	rs17573607	17	44083081	A	G	0.239563	-0.0059774	0.0148293	0.68689	1.04041	0.107583	4.01E-22	-0.0057452	0.0142657	0.6871478	0.8225837	8	0.92906635
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-0.912629	0.0628783	9.85E-48	0.00566856	0.0096455	0.5567406	0.490659	20	0.89196762
ENSG00000262879	17	RP11-156P1.3	45061411	rs76048354	17	45180518	T	C	0.106362	0.0355339	0.0151706	0.0191664	1.14636	0.122385	7.47E-21	0.0309972	0.0136412	0.02306721	0.6064313	20	0.44317726
ENSG00000178852	17	EFCAB13	45400656	rs7220606	17	45374795	G	A	0.570577	0.00919076	0.00830584	0.268492	0.505255	0.0795982	2.19E-10	0.0181903	0.0166868	0.2756682	0.645546	11	0.76501365
ENSG00000159111	17	MRPL10	45900638	rs55916822	17	45906599	C	T	0.0536779	-0.0162469	0.0262627	0.536159	-0.718111	0.125468	1.04E-08	0.0226245	0.0367849	0.5385231	0.335766	3	0.88159766
ENSG00000264920	17	RP11-6N17.4	45968621	rs34064155	17	45969849	A	G	0.557654	0.00021412	0.00817948	0.979116	-0.427282	0.0707861	1.58E-09	-0.0005011	0.0191432	0.9791158	0.1244531	9	0.99330845
ENSG00000108465	17	CDK5RAP3	46045176	rs2597166	17	46072665	A	G	0.624254	0.00970409	0.00853261	0.255415	0.298425	0.0501238	2.62E-09	0.0325177	0.0291091	0.2639532	0.5958123	6	0.75668673
ENSG00000170703	17	TTLL6	46839597	rs674755	17	46892047	A	T	0.471173	-0.0171726	0.00807187	0.0333811	0.413023	0.063245	6.55E-11	-0.0415778	0.0205543	0.04309071	0.08766252	13	0.54092126
ENSG00000248278	17	RP11-463M16.4	46952222	rs12941262	17	46967037	A	T	0.563618	0.034524	0.0080749	1.91E-05	0.513045	0.0856423	2.09E-09	0.0672923	0.0193366	0.00050131	0.3481978	9	0.11400133
ENSG00000159210	17	SNF8	47006678	rs67763067	17	47036294	A	G	0.263419	-0.0213269	0.00912538	0.0194339	-0.437395	0.0571924	2.04E-14	0.0487589	0.0218154	0.02541315	0.1119855	19	0.44317726
ENSG00000108823	17	SGCA	48241575	rs2586471	17	48241732	T	C	0.628231	0.00641523	0.00837456	0.443654	-0.534521	0.0799284	2.27E-11	-0.0120018	0.0157699	0.4466206	0.7380802	9	0.86618806
ENSG00000250286	17	RP11-94C24.8	48614655	rs3785915	17	48613837	G	A	0.720676	-0.000928	0.00870049	0.91506	-0.558919	0.091826	1.15E-09	0.00166032	0.015569	0.9150726	0.1469446	12	0.97813375
ENSG00000006282	17	SPATA20	48620419	rs9906084	17	48637385	A	G	0.351889	0.0131434	0.00863243	0.127869	-0.684276	0.0586098	1.71E-31	-0.0192077	0.0127222	0.1311004	0.3866137	20	0.6594625
ENSG00000239672	17	NME1	49230897	rs34214448	17	49232012	T	G	0.377734	-0.0121854	0.00831595	0.142839	0.25989	0.0367117	1.45E-12	-0.0468868	0.0326762	0.1513187	0.7403315	14	0.66854266
ENSG00000243678	17	NME1-NME2	49230920	rs1062386	17	49243804	T	A	0.512922	-0.0139317	0.00807043	0.0843005	-0.433707	0.0499682	3.97E-18	0.0321224	0.0189725	0.09043573	0.8612435	20	0.61192083
ENSG00000011260	17	UTP18	49337889	rs8078941	17	49364434	G	A	0.479125	0.0147793	0.0080545	0.0665197	0.433144	0.0565586	1.88E-14	0.034121	0.0191217	0.07435736	0.2725674	18	0.58667734
ENSG00000141198	17	TOM1L1	52976748	rs35647022	17	53008071	T	C	0.27336	-0.0050063	0.00855167	0.558271	-0.3896	0.0686987	1.42E-08	0.0128497	0.0220665	0.5603527	0.3244188	4	0.89238615
ENSG00000166260	17	COX11	53029263	rs35573927	17	53031889	C	G	0.269384	0.00552494	0.00901827	0.540116	-0.42707	0.0504373	2.51E-17	-0.0129368	0.0211718	0.5411723	0.1882465	17	0.88456845
ENSG00000108384	17	RAD51C	56769934	rs67014405	17	56901103	T	A	0.181909	0.00218655	0.00923831	0.812903	-0.661934	0.0712631	1.56E-20	-0.0033033	0.0139611	0.8129624	0.2681728	20	0.95850779
ENSG00000008283	17	CYB561	61509665	rs1860660	17	61244803	G	A	0.491054	-0.0210124	0.0081058	0.00953455	-0.295145	0.0330333	4.08E-19	0.0711935	0.0285963	0.01278866	0.6221059	19	0.34575992
ENSG00000198909	17	MAP3K3	61699775	rs8069687	17	61883023	G	A	0.265408	-0.0016843	0.00959009	0.860582	0.295147	0.0487962	1.46E-09	-0.0057068	0.0325063	0.8606401	0.9288368	8	0.97036966
ENSG00000198231	17	DDX42	61850963	rs7209758	17	61913621	T	C	0.269384	-0.0012983	0.00956969	0.892087	-0.614886	0.076923	1.31E-15	0.00211138	0.0155656	0.8921026	0.6362972	11	0.97813375
ENSG00000108592	17	FTSJ3	61896793	rs2584616	17	61927473	C	T	0.59841	-0.005234	0.00841965	0.534177	0.794022	0.0620687	1.80E-37	-0.0065918	0.0106163	0.5346583	0.4031379	20	0.88150043
ENSG00000267731	17	RP11-147L13.8	66186025	rs2058109	17	66142440	T	C	0.180915	0.0133978	0.00993445	0.177457	0.609668	0.0893304	8.80E-12	0.0219756	0.0166099	0.1858231	0.0005457	5	0.68432533
ENSG00000154262	17	ABCA6	67074843	rs12939282	17	67129129	T	G	0.684891	0.0024423	0.00847651	0.77325	0.504946	0.0694667	3.62E-13	0.00483675	0.0168001	0.7734236	0.8496431	8	0.94792099
ENSG00000237560	17	AC004562.1	67957848	rs11077469	17	67937331	A	G	0.33996	-0.0122161	0.00860728	0.15582	0.601975	0.0726631	1.19E-16	-0.0202934	0.0145067	0.1618444	0.1841667	11	0.67203469
ENSG00000125450	17	NUP85	73201754	rs1478785	17	73222865	A	G	0.754473	0.0184148	0.0110806	0.0965339	-0.707077	0.0709788	2.24E-23	-0.0260436	0.0158876	0.1011631	0.7275866	15	0.63886666
ENSG00000141569	17	TRIM65	73876416	rs3760128	17	73886888	G	A	0.349901	0.00989612	0.00932695	0.288679	0.596265	0.0794655	6.22E-14	0.0165968	0.0157979	0.2934548	0.6438454	20	0.78165962
ENSG00000188878	17	FBF1	73905655	rs1463486	17	73943942	A	G	0.239563	0.0149695	0.010545	0.15573	0.410313	0.0578261	1.29E-12	0.0364831	0.0262092	0.1639229	0.9168225	20	0.67203469
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.630496	0.0660003	1.26E-21	0.0175938	0.0170843	0.3030937	0.9817109	14	0.78165962
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.482287	0.060446	1.48E-15	0.0230004	0.0223905	0.3043086	0.7251939	12	0.78165962
ENSG00000161542	17	PRPSAP1	74305567	rs12603578	17	74296079	T	C	0.295229	0.0151183	0.00920351	0.100452	-0.495931	0.0641714	1.09E-14	-0.0304847	0.0189726	0.1081045	0.5151112	14	0.63886666
ENSG00000267543	17	RP11-666A8.7	74546033	rs5742903	17	74541171	C	T	0.222664	-0.0174374	0.00946703	0.0654892	0.613931	0.0992526	6.19E-10	-0.0284029	0.0160895	0.07751257	0.9658927	7	0.58667734
ENSG00000163597	17	SNHG16	74553848	rs1132652	17	74560728	G	A	0.693837	0.00591409	0.00871868	0.497566	-0.38606	0.063835	1.47E-09	-0.0153191	0.0227254	0.5002495	0.1238791	9	0.87134983
ENSG00000182534	17	MXRA7	74668633	rs35088455	17	74706433	A	G	0.910537	0.00483958	0.0131263	0.712356	-1.38862	0.154864	3.06E-19	-0.0034852	0.00946075	0.7125883	0.701307	20	0.92906635
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086057	17	74819228	G	A	0.0864811	-0.007793	0.0145054	0.591099	1.43144	0.180358	2.08E-15	-0.0054442	0.0101566	0.5919451	0.08526989	9	0.90196409
ENSG00000141519	17	CCDC40	78010435	rs73437682	17	78010946	T	C	0.220676	0.0141546	0.00891571	0.112376	0.526899	0.0505524	1.95E-25	0.026864	0.0171163	0.1165316	0.02289696	13	0.64371605
ENSG00000171298	17	GAA	78075355	rs2304849	17	78075462	C	G	0.244533	-0.0182603	0.0101836	0.0729558	-0.497479	0.0618632	8.87E-16	0.0367057	0.0209731	0.08009617	0.00811152	14	0.58829762
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.589009	0.0596629	5.49E-23	0.0179999	0.0144408	0.212595	0.3061171	20	0.70976598
ENSG00000261924	17	CTD-2561B21.5	78940039	rs6565504	17	78940813	G	A	0.760437	0.00897843	0.0095261	0.345932	-1.02424	0.0925208	1.75E-28	-0.0087659	0.0093343	0.3476737	0.3319074	20	0.8233267
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.977269	0.097694	1.47E-23	-0.0097812	0.0128376	0.4461093	0.9408593	7	0.86618806
ENSG00000185298	17	CCDC137	79633394	rs7503139	17	79641534	T	C	0.191849	-0.0108572	0.0110913	0.327633	0.477331	0.0861907	3.06E-08	-0.0227456	0.0235963	0.3350706	0.8453396	5	0.81462118
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.853118	0.0937705	9.21E-20	0.0118368	0.0123292	0.3370217	0.1762158	11	0.81583505
ENSG00000183010	17	PYCR1	79890260	rs34683731	17	79909537	A	G	0.573559	0.00496378	0.0084356	0.556242	-0.641264	0.0871802	1.90E-13	-0.0077406	0.0131967	0.5575003	0.3133785	13	0.89196762
ENSG00000185105	17	MYADML2	79897521	rs3760532	17	79897449	A	G	0.588469	0.00478892	0.00833497	0.56559	-0.419101	0.052116	8.86E-16	-0.0114266	0.0199384	0.5665792	0.4253025	13	0.89304677
ENSG00000185269	17	NOTUM	79910388	rs34683731	17	79909537	A	G	0.573559	0.00496378	0.0084356	0.556242	-0.556049	0.0868491	1.53E-10	-0.0089269	0.0152345	0.5579005	0.2010493	10	0.89196762
ENSG00000169689	17	STRA13	79976578	rs6502045	17	79972424	C	T	0.594433	-0.0149681	0.00867605	0.084489	0.480381	0.0562132	1.28E-17	-0.0311588	0.0184251	0.09081708	0.03484506	11	0.61192083
ENSG00000169738	17	DCXR	79993012	rs9891983	17	79996375	C	G	0.0994036	0.0340606	0.0113354	0.0026576	0.453713	0.0594195	2.24E-14	0.0750708	0.0268485	0.00517245	0.6118441	13	0.2764859
ENSG00000181396	17	OGFOD3	80347099	rs4789769	17	80373452	T	C	0.251491	-0.0003183	0.0101285	0.974928	-0.44765	0.0635421	1.86E-12	0.00071111	0.0226262	0.9749278	0.00622394	12	0.99319891
ENSG00000169660	17	HEXDC	80376194	rs1141463	17	80377690	G	T	0.333002	-0.002796	0.00931834	0.764135	0.420303	0.0579316	4.01E-13	-0.0066524	0.0221895	0.7643302	0.01367577	12	0.94317813
ENSG00000178927	17	C17orf62	80400465	rs12450191	17	80407948	T	C	0.126243	-0.0238721	0.0107888	0.0269203	-0.451496	0.0685701	4.57E-11	0.0528733	0.0252088	0.03595693	0.2125496	4	0.47347013
ENSG00000263063	17	RP11-388C12.1	80671784	rs2379356	17	80674231	T	A	0.244533	-0.0127461	0.0102646	0.214327	0.664368	0.120537	3.55E-08	-0.0191853	0.0158374	0.2257457	0.2899389	12	0.72732657
ENSG00000141560	17	FN3KRP	80674559	rs58867683	17	80679455	A	T	0.406561	0.00284553	0.00848782	0.737437	-0.477114	0.0595459	1.12E-15	-0.0059641	0.0178055	0.7376586	0.5157318	20	0.93473078
ENSG00000175711	17	B3GNTL1	80900031	rs57923322	17	81009636	G	T	0.229622	0.00156324	0.00869716	0.857356	-0.57035	0.0773792	1.70E-13	-0.0027408	0.0152533	0.8573975	0.9467331	14	0.96943077
ENSG00000263006	18	ROCK1P1	109065	rs8098887	18	113613	C	T	0.302187	0.00188362	0.00836897	0.821923	0.805207	0.0935831	7.69E-18	0.0023393	0.0103971	0.8219832	0.3797652	20	0.9610233
ENSG00000079101	18	CLUL1	596988	rs2015412	18	590969	T	C	0.298211	-0.0001075	0.00844302	0.989842	0.62044	0.0810819	1.98E-14	-0.0001733	0.0136081	0.9898418	0.5621817	11	0.99531498
ENSG00000132199	18	ENOSF1	670324	rs7235988	18	745322	A	G	0.0785288	0.0295982	0.0142549	0.0378608	0.429922	0.0742567	7.05E-09	0.0688455	0.0352247	0.05064615	0.3852369	12	0.5491704
ENSG00000176105	18	YES1	721588	rs7240974	18	812422	G	A	0.327038	-0.0024597	0.00868324	0.776968	0.190769	0.0337067	1.52E-08	-0.0128938	0.045574	0.7772388	0.2270233	8	0.94799946
ENSG00000266513	18	RP11-874J12.3	3770017	rs3850799	18	3774232	G	A	0.309145	-0.01557	0.00929357	0.0938642	0.625934	0.0992538	2.86E-10	-0.0248748	0.0153625	0.1054066	0.1084452	12	0.63886666
ENSG00000263753	18	LINC00667	5232875	rs12343	18	5290174	A	G	0.410537	0.00088561	0.00820709	0.914069	0.375728	0.0548903	7.64E-12	0.00235705	0.0218459	0.9140796	0.8264899	20	0.97813375
ENSG00000128791	18	TWSG1	9334765	rs62087472	18	9365399	A	G	0.0944334	0.0455237	0.0218284	0.0370212	-0.557548	0.0789528	1.64E-12	-0.0816498	0.0408223	0.04548659	0.00416358	11	0.54092126
ENSG00000263627	18	RP11-692N5.1	9615262	rs671339	18	9618005	G	A	0.72664	-0.0091748	0.0104069	0.377989	-0.98291	0.106837	3.58E-20	0.00933431	0.0106363	0.3801682	0.3452013	13	0.8319892
ENSG00000154889	18	MPPE1	11882621	rs8097892	18	11905953	T	C	0.445328	-0.0233072	0.00836189	0.00531472	-0.491828	0.0608636	6.43E-16	0.0473889	0.0179846	0.00841454	0.02300794	4	0.29731371
ENSG00000267079	18	RP11-820I16.1	11910633	rs9952563	18	11945877	C	T	0.338966	-0.0018251	0.00838321	0.827657	0.717594	0.105033	8.37E-12	-0.0025434	0.0116883	0.8277429	0.762557	10	0.96159938
ENSG00000176014	18	TUBB6	12307668	rs4073975	18	12279075	T	C	0.350895	0.00773555	0.00901022	0.3906	-0.515355	0.0562596	5.18E-20	-0.0150101	0.0175601	0.3926704	0.9598186	5	0.83577283
ENSG00000267108	18	RP11-861E21.1	12432896	rs34448712	18	12439062	C	A	0.152087	0.0218674	0.0134036	0.102795	1.15487	0.142028	4.25E-16	0.0189349	0.0118375	0.1096922	0.5532022	15	0.63886666
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.847639	0.0938976	1.76E-19	0.00272979	0.0097449	0.7793813	0.4999778	20	0.94814501
ENSG00000267336	18	RP11-773H22.2	12912843	rs4797717	18	12911423	C	T	0.698807	-0.0087416	0.00825784	0.289792	-1.10874	0.111063	1.81E-23	0.00788423	0.00748971	0.2924898	0.2529444	11	0.78165962
ENSG00000101639	18	CEP192	12991361	rs1787000	18	13113197	T	C	0.619284	-0.0032917	0.00820342	0.688231	-0.884467	0.0678406	7.49E-39	0.00372165	0.00927938	0.6883707	0.8847581	20	0.92906635
ENSG00000175322	18	ZNF519	14057456	rs9958799	18	14132402	C	G	0.229622	0.00025724	0.00989117	0.979252	0.584886	0.0662874	1.11E-18	0.0004398	0.0169114	0.9792522	0.03789872	14	0.99330845
ENSG00000265296	18	FEM1AP2	14391912	rs11873157	18	14412981	A	G	0.238569	0.00366619	0.00894844	0.682025	0.497729	0.0887668	2.06E-08	0.00736584	0.0180265	0.6828242	0.469768	11	0.92906635
ENSG00000266242	18	GRAMD4P7	14485805	rs71365242	18	14452952	G	A	0.262425	0.0052391	0.00910268	0.564915	0.933865	0.0860265	1.88E-27	0.00561013	0.00976101	0.5654614	0.4552873	16	0.89304677
ENSG00000264880	18	RP11-805F19.1	15159723	rs9963973	18	15192638	T	A	0.294235	0.0110033	0.00893867	0.218332	0.575446	0.101645	1.50E-08	0.0191213	0.0158964	0.2290262	0.3081715	5	0.72889676
ENSG00000265015	18	RP11-454P7.3	15196998	rs4352127	18	15077660	T	G	0.920477	0.00619466	0.0141255	0.66099	-0.982301	0.171166	9.53E-09	-0.0063063	0.0144219	0.6619158	0.5157156	4	0.92695413
ENSG00000264745	18	RP11-403A21.2	21574177	rs1258143	18	21561790	A	G	0.246521	-0.0188999	0.00915801	0.0390409	-0.598141	0.106399	1.89E-08	0.0315977	0.0163099	0.05270418	0.1769349	11	0.56163679
ENSG00000266489	18	RP11-178F10.3	22096847	rs1945168	18	22124418	C	T	0.393638	0.0202232	0.00851724	0.0175784	0.679542	0.0961926	1.61E-12	0.02976	0.0132228	0.02440711	0.1340865	4	0.44317726
ENSG00000260372	18	AQP4-AS1	24235706	rs232319	18	24500151	C	T	0.527833	0.0009231	0.00811545	0.909439	-0.775372	0.0680178	4.20E-30	-0.0011905	0.010467	0.9094438	0.4898964	9	0.97813375
ENSG00000154080	18	CHST9	24495595	rs2171103	18	24631220	G	T	0.397614	0.0192864	0.00820499	0.0187448	0.586016	0.0811463	5.13E-13	0.032911	0.0147243	0.02540736	0.5690632	9	0.44317726
ENSG00000101751	18	POLI	51795774	rs1903141	18	51817587	A	T	0.428429	-0.0001641	0.00808941	0.983818	-0.496204	0.0735941	1.56E-11	0.00033066	0.0163027	0.9838181	0.5082121	13	0.99422252
ENSG00000264247	18	LINC00909	72259010	rs7505289	18	72264406	G	A	0.852883	0.00502044	0.0118153	0.670902	-0.554449	0.0705866	4.00E-15	-0.0090548	0.0213411	0.6713545	0.9708235	9	0.92695413
ENSG00000141759	18	TXNL4A	77732867	rs4799132	18	77856381	C	T	0.142147	-0.0054742	0.0129415	0.6723	0.311977	0.0566996	3.75E-08	-0.0175467	0.0416046	0.6732088	0.9907241	9	0.92856386
ENSG00000261126	18	RBFADN	77806900	rs7228169	18	77825898	G	A	0.831014	0.00562314	0.0112816	0.618177	-0.911631	0.0931091	1.23E-22	-0.0061682	0.0123912	0.6186321	0.7959947	20	0.91003736
ENSG00000267251	18	AC139100.3	77941563	rs1050919	18	77906500	T	C	0.16998	-0.0026805	0.00984046	0.785319	0.465296	0.0853425	4.98E-08	-0.0057608	0.0211752	0.7855794	0.7587765	8	0.94961025
ENSG00000099866	19	MADCAM1	489176	rs3999751	19	488476	C	G	0.440358	-0.0036035	0.00820386	0.66049	-0.450575	0.0825473	4.80E-08	0.00799745	0.0182664	0.6615145	0.459875	5	0.92695413
ENSG00000266933	19	AC005775.2	490046	rs10424907	19	488506	G	A	0.402584	-0.0035636	0.00823997	0.665399	-0.760845	0.101473	6.48E-14	0.00468369	0.010848	0.6659196	0.5083751	8	0.92695413
ENSG00000267751	19	AC009005.2	567212	rs12608452	19	563639	C	T	0.162028	-0.0025021	0.00960194	0.794415	-0.80349	0.132577	1.36E-09	0.00311403	0.0119613	0.7946006	0.5967643	4	0.95149298
ENSG00000065268	19	WDR18	983174	rs4806884	19	984554	G	C	0.55666	0.003174	0.00807364	0.694223	-0.667249	0.0655811	2.58E-24	-0.0047568	0.0121089	0.6944391	0.1219408	20	0.92906635
ENSG00000182087	19	TMEM259	1009647	rs2240160	19	1011215	A	G	0.172962	0.0102974	0.0097719	0.291983	0.340923	0.0561389	1.26E-09	0.0302045	0.0290914	0.2991483	0.03184575	9	0.78165962
ENSG00000160953	19	MUM1	1285890	rs3826942	19	1360575	A	G	0.718688	0.00805351	0.00830347	0.332098	-0.425218	0.062535	1.05E-11	-0.0189397	0.0197252	0.3369655	0.7821325	7	0.81583505
ENSG00000115266	19	APC2	1446300	rs2656869	19	1456544	G	A	0.578529	0.0020048	0.0084616	0.812712	0.481797	0.0611094	3.17E-15	0.00416109	0.0175705	0.8127947	0.3601416	5	0.95850779
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	0.844151	0.0977789	5.96E-18	-0.0189428	0.0129895	0.1447518	0.666027	7	0.66601785
ENSG00000130332	19	LSM7	2321516	rs11671	19	2354787	G	C	0.621272	-0.0011335	0.00820847	0.890173	0.398339	0.0573325	3.71E-12	-0.0028455	0.0206108	0.8901945	0.06144828	20	0.97813375
ENSG00000099800	19	TIMM13	2425622	rs6945	19	2426828	C	G	0.44831	0.020336	0.00808891	0.0119349	0.443825	0.0524082	2.48E-17	0.0458199	0.0190116	0.01594815	0.2100292	17	0.37988852
ENSG00000183397	19	C19orf71	3539152	rs1128872	19	3538654	C	G	0.455268	-0.0158828	0.00804448	0.0483404	-0.394623	0.0682598	7.42E-09	0.040248	0.0215412	0.06170399	0.8937335	7	0.5662877
ENSG00000077463	19	SIRT6	4174106	rs350847	19	4173639	G	C	0.870775	0.0178856	0.0118023	0.129664	-0.524367	0.0796811	4.68E-11	-0.0341089	0.0230968	0.1397338	0.3946619	4	0.66149748
ENSG00000178078	19	STAP2	4324040	rs60010631	19	4334310	T	C	0.300199	0.00508284	0.00835918	0.543152	0.637477	0.0956361	2.63E-11	0.00797337	0.0131674	0.5448199	0.0272733	12	0.88711074
ENSG00000167670	19	CHAF1A	4402659	rs11668886	19	4423419	T	C	0.234592	-0.0042527	0.0109619	0.698051	-0.520131	0.0600645	4.74E-18	0.00817623	0.0210964	0.698338	0.1729751	10	0.92906635
ENSG00000167671	19	UBXN6	4444996	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.417283	0.0522983	1.48E-15	0.0117543	0.0264208	0.6563999	0.0158112	11	0.92370535
ENSG00000267769	19	CTB-50L17.9	4454011	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.920134	0.108278	1.93E-17	0.00533061	0.0119797	0.6563407	0.03969836	18	0.92370535
ENSG00000176840	19	MIR7-3HG	4769117	rs879563	19	4768948	A	G	0.373757	-0.0106376	0.00841927	0.206417	-0.299093	0.0508062	3.93E-09	0.0355662	0.0287904	0.2167002	0.7286242	6	0.71669957
ENSG00000196365	19	LONP1	5691845	rs3892355	19	5696962	A	G	0.314115	0.00181731	0.00865393	0.833669	-0.479251	0.0694319	5.11E-12	-0.003792	0.0180656	0.8337449	0.6442749	13	0.96310148
ENSG00000141994	19	DUS3L	5784843	rs7250134	19	5775610	C	A	0.166004	-0.0020231	0.0100505	0.840466	-0.621468	0.0899989	5.01E-12	0.00325542	0.0161791	0.8405328	0.6141825	10	0.96633923
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.479648	0.0543916	1.16E-18	-0.0086383	0.0174432	0.6204402	0.0234063	8	0.91003736
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.582615	0.0743744	4.74E-15	-0.009114	0.0142501	0.5224491	0.9055173	8	0.87280701
ENSG00000268297	19	CLEC4GP1	7852435	rs36056976	19	7853716	G	C	0.240557	-0.0101914	0.0105164	0.332496	0.88589	0.0887189	1.77E-23	-0.0115041	0.0119268	0.3347633	0.2295723	16	0.81462118
ENSG00000269139	19	CTD-3193O13.8	7990886	rs7899	19	7991679	A	T	0.302187	0.00605874	0.00858081	0.480138	0.549071	0.0890573	7.03E-10	0.0110345	0.01573	0.4829942	0.1851456	4	0.87134983
ENSG00000104980	19	TIMM44	7991603	rs12980734	19	8050092	T	C	0.083499	-0.0206244	0.015753	0.190455	0.697122	0.117844	3.31E-09	-0.0295851	0.023144	0.2011423	0.14662	3	0.69745575
ENSG00000233927	19	RPS28	8386042	rs2972572	19	8390313	G	A	0.535785	0.00852923	0.00808756	0.291603	-0.3916	0.0405196	4.27E-22	-0.0217805	0.0207752	0.2944601	0.6267828	9	0.78165962
ENSG00000269386	19	RAB11B-AS1	8439257	rs72996752	19	8454236	G	A	0.265408	-0.0012485	0.00854806	0.883881	-0.302224	0.0539609	2.13E-08	0.00413088	0.0282935	0.8839206	0.4171286	3	0.97813375
ENSG00000099785	19	2-Mar	8478154	rs17160520	19	8548589	A	G	0.284294	0.0288944	0.00953741	0.00244889	0.533469	0.0620387	8.04E-18	0.0541632	0.0189552	0.00427091	0.09765998	17	0.26622312
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.69206	0.186831	1.35E-19	-0.0150735	0.00846888	0.07509698	0.8836039	9	0.58667734
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.19965	0.118687	5.11E-24	0.00235436	0.0144278	0.8703752	0.7079867	12	0.97320434
ENSG00000174652	19	ZNF266	9523272	rs28653095	19	9544652	A	C	0.559642	0.00146627	0.00810406	0.856422	0.859003	0.0614232	1.92E-44	0.00170694	0.00943505	0.8564342	0.891271	20	0.96943077
ENSG00000129347	19	KRI1	10663761	rs3218222	19	10676681	C	T	0.777336	-0.0139953	0.00948008	0.139867	0.488515	0.0650259	5.80E-14	-0.0286487	0.019777	0.1474545	0.090196	15	0.66601785
ENSG00000267174	19	CTC-510F12.4	11411453	rs322153	19	11414351	A	C	0.294235	0.0116218	0.00890191	0.191711	-0.638409	0.0901118	1.39E-12	-0.0182043	0.0141787	0.1991692	0.3334282	11	0.69745575
ENSG00000242852	19	ZNF709	12571998	rs111450067	19	12617803	T	C	0.465209	0.00455502	0.00807459	0.572675	0.36289	0.0537246	1.43E-11	0.0125521	0.0223283	0.5740065	0.9662745	5	0.89873987
ENSG00000269560	19	CTD-2192J16.21	12640582	rs2861413	19	12643077	T	C	0.701789	0.0152308	0.00926829	0.100317	-0.63683	0.0940462	1.27E-11	-0.0239166	0.0149762	0.1102725	0.925153	4	0.64048685
ENSG00000213290	19	PGK1P2	12670385	rs10412588	19	12661922	G	A	0.648111	0.00096658	0.00832589	0.907579	-0.601733	0.0952493	2.66E-10	-0.0016063	0.0138389	0.9075942	0.8017302	11	0.97813375
ENSG00000104774	19	MAN2B1	12757325	rs4804203	19	12723146	C	A	0.681909	0.00321868	0.00830519	0.698348	0.257897	0.044706	7.99E-09	0.0124805	0.0322761	0.698994	0.8200442	6	0.92906635
ENSG00000105607	19	GCDH	13001840	rs8012	19	13010520	G	A	0.521869	-0.0028336	0.00806037	0.72518	0.534339	0.0546806	1.48E-22	-0.0053029	0.0150945	0.7253512	0.08988519	17	0.9314019
ENSG00000037757	19	MRI1	13875346	rs375486	19	13871554	C	T	0.415507	-0.0037543	0.00811211	0.643508	-0.612541	0.0751175	3.51E-16	0.00612904	0.0132647	0.6440404	0.6225718	4	0.91818653
ENSG00000141854	19	hsa-mir-1199	14183348	rs7258963	19	14185226	C	T	0.377734	0.0119263	0.00828898	0.150203	0.464496	0.0674634	5.77E-12	0.0256758	0.0182306	0.1590155	0.9829087	12	0.67203469

ENSG00000186529	19	CYP4F3	15751707	rs1290617	19	15751897	G	T	0.426441	-0.0041973	0.00851787	0.622179	-0.520289	0.0851003	9.73E-10	0.00806729	0.0164245	0.6233037	0.04680441	5	0.91003736
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.11068	0.0807719	5.04E-43	0.00506282	0.0073558	0.4912793	0.8272187	20	0.87134983
ENSG00000268673	19	LLNLR-249E10.1	15871185	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	0.68267	0.100283	9.94E-12	-0.008237	0.0120137	0.4929433	0.6616969	9	0.87134983
ENSG00000214046	19	SMIM7	16741562	rs2547118	19	16807428	C	G	0.903579	-0.0272466	0.0146059	0.0621184	0.571248	0.097614	4.85E-09	-0.0476966	0.026836	0.07551283	0.7519036	7	0.58667734
ENSG00000099330	19	OCEL1	17337013	rs14129	19	17339112	A	G	0.107356	-0.0049979	0.0151229	0.741034	-0.729597	0.100881	4.75E-13	0.00685022	0.0207494	0.7412934	0.6571157	7	0.93473078
ENSG00000130312	19	MRPL34	17403418	rs62126256	19	17413022	G	C	0.426441	-0.0009469	0.00826355	0.908776	0.453757	0.0459986	5.93E-23	-0.0020867	0.0182126	0.9087818	0.2430697	11	0.97813375
ENSG00000141971	19	MVB12A	17516531	rs4522527	19	17522268	A	G	0.38171	-0.0063981	0.00884391	0.469404	-0.364799	0.0544454	2.08E-11	0.0175388	0.0243841	0.4719754	0.1052041	4	0.86932046
ENSG00000130518	19	KIAA1683	18367908	rs12983444	19	18386367	G	A	0.529821	0.0156013	0.00814835	0.0555367	-0.460275	0.0533996	6.73E-18	-0.0338956	0.0181347	0.06160896	0.8787327	20	0.5662877
ENSG00000223802	19	CERS1	18979361	rs2018392	19	18990982	T	C	0.890656	0.00402907	0.0122517	0.742262	0.469082	0.0792934	3.30E-09	0.00858927	0.0261588	0.7426462	0.1268697	9	0.93473078
ENSG00000105669	19	COPE	19010323	rs1127821	19	19011244	C	T	0.484095	0.00016915	0.00812042	0.983381	0.244606	0.0373076	5.51E-11	0.0006915	0.0331981	0.9833816	0.3026225	3	0.99422252
ENSG00000081665	19	ZNF506	19896648	rs72620575	19	19926560	G	A	0.16501	0.00234494	0.0099915	0.814446	0.632422	0.104611	1.49E-09	0.00370787	0.0158107	0.8145838	0.8789227	18	0.95850779
ENSG00000237440	19	ZNF737	20718631	rs7250879	19	20725979	C	T	0.0586481	0.0305339	0.0201036	0.128806	-0.897758	0.144203	4.79E-10	-0.0340113	0.0230499	0.1400643	0.5916673	6	0.66149748
ENSG00000188171	19	ZNF626	20802867	rs2288534	19	20828796	G	T	0.32505	0.00596558	0.00851533	0.483572	0.457845	0.0664775	5.69E-12	0.0130297	0.0186947	0.4858197	0.8778675	20	0.87134983
ENSG00000160352	19	ZNF714	21264965	rs10405180	19	21316370	C	T	0.777336	0.00102553	0.00896865	0.908964	-0.543318	0.0954199	1.24E-08	-0.0018875	0.0165105	0.9089817	0.2710627	5	0.97813375
ENSG00000196705	19	ZNF431	21324827	rs145645636	19	21334003	T	C	0.0149105	-0.0671681	0.115578	0.561141	1.62063	0.230345	1.98E-12	-0.0414457	0.0715596	0.5624697	0.7679541	3	0.89290163
ENSG00000172687	19	ZNF738	21541732	rs35148123	19	21608153	T	C	0.251491	-0.0118767	0.00929354	0.201267	-0.824251	0.0933953	1.09E-18	0.0144091	0.0113927	0.205957	0.2516143	20	0.70537777
ENSG00000196268	19	ZNF493	21579921	rs1976384	19	21571618	A	G	0.590457	0.00834488	0.00813525	0.305001	0.573961	0.0841075	8.85E-12	0.0145391	0.0143331	0.310405	0.4828619	20	0.78482223
ENSG00000268658	19	LINC00664	21666176	rs8110690	19	21549668	G	A	0.510934	0.0127357	0.00804197	0.113273	-0.829514	0.10139	2.81E-16	-0.0153532	0.00987475	0.1199951	0.4889766	18	0.64371605
ENSG00000268555	19	RP11-678G14.3	21753624	rs35998933	19	21772288	T	C	0.333996	0.00671903	0.00846254	0.427211	-0.623101	0.101301	7.70E-10	-0.0107832	0.013694	0.4310242	0.7973593	20	0.8649076
ENSG00000268433	19	RP11-420K14.2	21860352	rs35998933	19	21772288	T	C	0.333996	0.00671903	0.00846254	0.427211	-0.758612	0.109044	3.48E-12	-0.008857	0.0112277	0.4301982	0.8943853	20	0.8649076
ENSG00000268535	19	RP11-420K14.3	21892324	rs8102320	19	21936885	G	A	0.55666	0.00048193	0.0080622	0.952334	-0.90988	0.085904	3.25E-26	-0.0005297	0.00886087	0.9523347	0.2226584	20	0.98752211
ENSG00000197020	19	ZNF100	21905568	rs56168029	19	21942877	A	G	0.553678	-0.0004928	0.00807051	0.951313	-0.389875	0.0602116	9.48E-11	0.00126392	0.0207012	0.951315	0.3096353	17	0.98752211
ENSG00000197134	19	ZNF257	22235254	rs8105767	19	22215441	G	A	0.277336	-0.0055142	0.00864734	0.523687	0.720474	0.0977252	1.68E-13	-0.0076535	0.0120471	0.5252325	0.5699965	20	0.87311801
ENSG00000183850	19	ZNF730	23258012	rs12610078	19	23349969	C	T	0.597416	-0.004567	0.0084264	0.58783	0.484169	0.0805289	1.83E-09	-0.0094326	0.0174744	0.5893386	0.9078289	11	0.90196409
ENSG00000269416	19	CTB-175P5.4	23582035	rs675277	19	23604186	T	C	0.253479	-0.0072968	0.00933857	0.434592	0.869719	0.0936288	1.56E-20	-0.0083898	0.0107754	0.4362103	0.0764695	18	0.86618806
ENSG00000196172	19	ZNF681	23921997	rs73023850	19	23922018	A	T	0.133201	0.016818	0.010946	0.12443	-0.627762	0.10859	7.43E-09	-0.0267904	0.0180419	0.1375697	0.3507523	11	0.66149748
ENSG00000268362	19	CTD-2017D11.1	24216247	rs55752840	19	24228717	A	T	0.217694	0.00875376	0.0102708	0.394051	0.70376	0.107143	5.08E-11	0.0124386	0.0147165	0.3979935	0.3388188	19	0.83909579
ENSG00000261770	19	CTC-459F4.1	28248092	rs12976414	19	28335731	G	A	0.837972	0.0138116	0.00916794	0.131935	-1.46892	0.120798	5.06E-34	-0.0094026	0.00628899	0.1348933	0.8482413	12	0.66089262
ENSG00000267623	19	AC022153.1	28393503	rs12976414	19	28335731	G	A	0.837972	0.0138116	0.00916794	0.131935	0.598495	0.0989262	1.45E-09	0.0230772	0.0157861	0.1437772	0.7848113	14	0.66601785
ENSG00000267213	19	AC007773.2	32880956	rs73036028	19	32953205	G	A	0.516899	-0.005107	0.00805478	0.52606	0.43539	0.0770441	1.59E-08	-0.0117297	0.0186162	0.5286429	0.8609577	6	0.87657392
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.4405	0.0617641	9.89E-13	0.00241199	0.0183557	0.8954567	0.1646038	5	0.97813375
ENSG00000105186	19	ANKRD27	33087913	rs150159787	19	33124834	T	G	0.0377734	0.0089048	0.0240318	0.710979	0.92046	0.159946	8.67E-09	0.00967429	0.0261625	0.7115489	0.4408404	6	0.92906635
ENSG00000021488	19	SLC7A9	33321415	rs11668529	19	33374604	C	T	0.184891	0.00646136	0.0102373	0.527938	-0.719552	0.0754815	1.53E-21	-0.0089797	0.0142585	0.5288387	0.5037708	20	0.87657392
ENSG00000131941	19	RHPN2	33469499	rs8104270	19	33613393	G	C	0.354871	-0.0046765	0.0087389	0.59256	-0.347976	0.0587923	3.24E-09	0.013439	0.025216	0.594063	0.7994336	20	0.90196409
ENSG00000124299	19	PEPD	33877856	rs17570	19	33878837	A	G	0.256461	-0.0110813	0.0094183	0.239367	0.538783	0.0796646	1.35E-11	-0.0205673	0.0177432	0.2463906	0.8301917	12	0.73886258
ENSG00000089335	19	ZNF302	35168544	rs10426964	19	35183476	G	T	0.114314	-0.0014548	0.0124399	0.906901	-0.524588	0.0834525	3.26E-10	0.00277326	0.0237178	0.9069174	0.3567169	3	0.97813375
ENSG00000197841	19	ZNF181	35225060	rs4806052	19	35243100	G	A	0.317097	-0.0127216	0.00861651	0.13983	-0.427332	0.0679685	3.23E-10	0.0297698	0.020712	0.1506263	0.8675881	10	0.6680497
ENSG00000168661	19	ZNF30	35417807	rs55712935	19	35418193	T	C	0.338966	-0.0072885	0.00832274	0.381178	-0.445025	0.0798447	2.49E-08	0.0163776	0.0189312	0.3869762	0.8665464	3	0.8319892
ENSG00000161265	19	U2AF1L4	36233365	rs10402837	19	36217810	A	G	0.156064	0.0226262	0.0152945	0.139042	0.669644	0.117814	1.32E-08	0.0337884	0.0236007	0.152238	0.2844501	4	0.66854266
ENSG00000225872	19	AC002398.5	36279778	rs75120684	19	36288595	C	G	0.028827	0.0221798	0.0202265	0.272829	-0.98351	0.141671	3.86E-12	-0.0225517	0.0208206	0.2787453	0.9274279	6	0.76980166
ENSG00000161281	19	COX7A1	36641824	rs14100	19	36640769	C	T	0.955268	0.0139272	0.0275547	0.613251	1.13394	0.150643	5.18E-14	0.0122821	0.0243547	0.6140487	0.08466772	4	0.90779864
ENSG00000232677	19	LINC00665	36803969	rs2967501	19	36825029	C	T	0.631213	0.00377864	0.00838207	0.652134	-0.606243	0.0895447	1.29E-11	-0.0062329	0.0138569	0.6528515	0.7100854	20	0.92370535
ENSG00000254004	19	ZNF260	37001597	rs8103168	19	36999787	T	C	0.327038	-0.0104175	0.00860247	0.2259	0.317288	0.0547084	6.65E-09	-0.0328329	0.0276972	0.2358502	0.7146398	13	0.72999889
ENSG00000233527	19	AC092295.7	37063972	rs3108208	19	37140528	T	C	0.599404	0.00069012	0.00835463	0.934167	-0.81199	0.087159	1.21E-20	-0.0008499	0.0102895	0.9341692	0.6288368	16	0.98576298
ENSG00000198453	19	ZNF568	37407231	rs10402050	19	37688958	T	A	0.125249	0.00853158	0.0121832	0.483757	0.798645	0.0925005	5.93E-18	0.0106826	0.0153049	0.4851884	0.5084649	20	0.87134983
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.37697	0.0986835	3.00E-44	-0.004618	0.00618383	0.4551893	0.08956879	20	0.86904091
ENSG00000267470	19	ZNF571-AS1	38039816	rs2126976	19	38030933	T	C	0.252485	0.014669	0.00944842	0.120534	0.357727	0.064476	2.89E-08	0.0410061	0.027427	0.1348876	0.511797	4	0.66089262
ENSG00000196381	19	ZNF781	38158652	rs62108351	19	38215896	C	T	0.61332	-0.0016854	0.00811167	0.835402	-0.51744	0.0613263	3.24E-17	0.00325725	0.0156813	0.8354512	0.07646097	20	0.96310148
ENSG00000167644	19	C19orf33	38794801	rs112311840	19	38796572	A	G	0.183897	0.00556246	0.00969197	0.566019	-0.53992	0.0972418	2.82E-08	-0.0103024	0.0180464	0.568079	0.2486198	11	0.89427408
ENSG00000182472	19	CAPN12	39220827	rs8108748	19	39286122	G	A	0.824056	0.00793192	0.00963645	0.410442	-0.551348	0.0971991	1.41E-08	-0.0143864	0.017661	0.41531	0.9454498	5	0.8550524
ENSG00000269486	19	CTC-360G5.9	39425976	rs1865049	19	39437560	G	A	0.667992	-0.0023076	0.00866337	0.789958	-0.675861	0.118372	1.13E-08	0.00341434	0.0128322	0.7901808	0.3548214	11	0.95149298
ENSG00000090013	19	BLVRB	40953696	rs28621979	19	40959500	G	A	0.133201	-0.0078389	0.0111756	0.483038	0.465135	0.0723974	1.32E-10	-0.0168529	0.0241693	0.485624	0.2785746	5	0.87134983
ENSG00000198077	19	CYP2A7	41381344	rs10425176	19	41387656	T	A	0.507952	-0.0027795	0.00813227	0.732512	0.630532	0.0915274	5.62E-12	-0.0044082	0.0129133	0.7328295	0.2466227	10	0.93390991
ENSG00000007129	19	CEACAM21	42055886	rs3745936	19	42092815	T	A	0.22664	0.0119828	0.00923907	0.194641	-0.691365	0.0836282	1.37E-16	-0.0173321	0.013527	0.2000889	0.9981338	15	0.69745575
ENSG00000239736	19	CEACAMP3	42106090	rs3745936	19	42092815	T	A	0.22664	0.0119828	0.00923907	0.194641	1.0837	0.0841244	5.68E-38	0.0110573	0.00856859	0.1968956	0.9263551	20	0.69450462
ENSG00000259436	19	CTC-378H22.2	42656721	rs899661	19	42542466	C	A	0.104374	-0.0268546	0.015406	0.0813111	-0.56232	0.0873488	1.21E-10	0.0477568	0.0283838	0.09246462	0.1838489	9	0.61192083
ENSG00000176531	19	PHLDB3	43979106	rs2682544	19	43985456	A	G	0.301193	0.00178975	0.00842426	0.831754	0.351187	0.0534227	4.91E-11	0.00509629	0.0240005	0.831841	0.66787	12	0.96310148
ENSG00000073050	19	XRCC1	44047192	rs3213276	19	44073794	T	C	0.612326	0.0030154	0.00811855	0.710323	-0.459329	0.0627524	2.49E-13	-0.0065648	0.0176975	0.7106794	0.9735163	13	0.92906635
ENSG00000234465	19	PINLYP	44080952	rs2682588	19	44087726	G	C	0.187873	-0.0085778	0.0105162	0.414683	-0.354243	0.0634007	2.31E-08	0.0242146	0.0300011	0.4195954	0.8478657	5	0.8550524
ENSG00000104783	19	KCNN4	44270685	rs1685192	19	44283216	T	G	0.39165	0.00588123	0.00837795	0.482686	-0.636623	0.0901312	1.63E-12	-0.0092382	0.0132248	0.4848348	0.2186123	15	0.87134983
ENSG00000176222	19	ZNF404	44376515	rs108775	19	44405922	C	G	0.512922	-0.0039527	0.00806048	0.623866	-0.397301	0.0681298	5.49E-09	0.00994886	0.0203597	0.6250864	0.9501996	4	0.91043269
ENSG00000204920	19	ZNF155	44472014	rs392889	19	44491980	T	C	0.289264	-0.0037107	0.00886225	0.675428	0.457925	0.0707917	9.89E-11	-0.0081033	0.0193936	0.6760667	0.1827891	10	0.92906635
ENSG00000167384	19	ZNF180	44979854	rs2686768	19	44995990	C	T	0.444334	-0.0001346	0.00822506	0.986942	0.446214	0.0754307	3.31E-09	-0.0003017	0.0184331	0.9869425	0.1248488	13	0.99422252
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.1845	0.13436	1.19E-18	-0.0053087	0.00857171	0.5356985	0.9093871	8	0.88150043
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.384445	0.0548294	2.36E-12	-0.0025767	0.0210127	0.9024016	0.5951397	9	0.97813375
ENSG00000182013	19	PNMAL1	46969748	rs3826854	19	46974399	G	C	0.248509	-0.00496	0.0097459	0.6108	0.170501	0.0307747	3.02E-08	-0.0290908	0.057401	0.6122957	0.4271993	6	0.90647129
ENSG00000105287	19	PRKD2	47177532	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.366096	0.054743	2.27E-11	0.0625374	0.024374	0.01029551	0.1218207	14	0.32999651
ENSG00000181027	19	FKRP	47249303	rs12986248	19	47252875	G	A	0.581511	-0.0251862	0.00819012	0.00210363	-0.295342	0.0528133	2.24E-08	0.0852781	0.0316473	0.00704654	0.2147711	7	0.2764859
ENSG00000105479	19	CCDC114	48799714	rs506867	19	48853950	G	A	0.732604	0.00044729	0.00895969	0.960184	0.289181	0.0495725	5.43E-09	0.00154675	0.0309841	0.9601856	0.9843926	7	0.98796376
ENSG00000105443	19	CYTH2	48972289	rs1643481	19	48984178	C	G	0.87674	0.00983345	0.0112253	0.381026	0.702365	0.118533	3.11E-09	0.0140005	0.0161559	0.3861673	0.3788758	10	0.8319892
ENSG00000232871	19	SEC1P	49141328	rs386551	19	49138286	G	C	0.267396	-0.001592	0.00840929	0.849844	-0.637472	0.111143	9.72E-09	0.00249741	0.0131988	0.8499243	0.1068475	5	0.96801944
ENSG00000142233	19	NTN5	49164664	rs281380	19	49214470	C	T	0.40159	-0.0025667	0.00807562	0.750613	-0.430405	0.075208	1.05E-08	0.00596343	0.0187918	0.7509834	0.746756	16	0.9359699
ENSG00000176909	19	MAMSTR	49215999	rs2287921	19	49228272	C	T	0.481113	0.00960109	0.00814039	0.238224	0.52097	0.0744685	2.64E-12	0.0184293	0.015846	0.2448189	0.8490391	20	0.73779433
ENSG00000161618	19	ALDH16A1	49956426	rs7253135	19	49958650	A	G	0.752485	-0.0139206	0.00876993	0.112443	-0.571766	0.0723078	2.63E-15	0.0243467	0.0156443	0.1196452	0.02648874	5	0.64371605
ENSG00000126456	19	IRF3	50162826	rs2304207	19	50167726	G	C	0.173956	-0.0033627	0.0109508	0.758787	0.334077	0.0584686	1.10E-08	-0.0100656	0.0328266	0.7591243	0.7200982	4	0.94113656
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.720102	0.0730292	6.18E-23	0.0132352	0.0122594	0.280324	0.0949254	10	0.76980166
ENSG00000204653	19	ASPDH	51014857	rs1726774	19	51018817	G	A	0.685885	0.00063638	0.00864611	0.941326	-0.416838	0.0717113	6.15E-09	-0.0015267	0.0207438	0.9413309	0.8389534	10	0.98649544
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.856141	0.093056	3.57E-20	0.00858945	0.0107956	0.4262388	0.9420629	9	0.86059643
ENSG00000129451	19	KLK10	51515995	rs2569451	19	51520200	T	C	0.553678	-0.0069231	0.00818022	0.397372	-0.540967	0.068703	3.43E-15	0.0127977	0.0152086	0.4000804	0.7726666	7	0.840605
ENSG00000254521	19	SIGLEC12	51994611	rs7253637	19	52018717	A	C	0.649105	-0.0114482	0.00829366	0.167479	-0.696061	0.110862	3.42E-10	0.0164471	0.0121997	0.1776072	0.9613353	18	0.67238185
ENSG00000254415	19	SIGLEC14	52145806	rs872629	19	52130638	A	C	0.124254	-0.0073576	0.010921	0.500496	-0.758325	0.113413	2.29E-11	0.00970238	0.0144744	0.5026579	0.1028716	10	0.87134983
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	1.05114	0.0767192	1.00E-42	0.00862211	0.0079018	0.275204	0.119853	16	0.76501365
ENSG00000167555	19	ZNF528	52901102	rs162123	19	52917626	G	A	0.762425	-0.0017064	0.00925264	0.853681	0.578622	0.0596231	2.88E-22	-0.0029491	0.0159937	0.8537077	0.4638886	15	0.96801944
ENSG00000198633	19	ZNF534	52932440	rs75774622	19	52927865	A	G	0.0894632	-0.0178806	0.0164781	0.277871	1.18806	0.14112	3.80E-17	-0.0150502	0.0139845	0.2818333	0.3190971	16	0.77080769
ENSG00000167766	19	ZNF83	53097313	rs7256557	19	53119166	A	G	0.350895	-0.017054	0.00834443	0.0409779	0.508922	0.0760156	2.16E-11	-0.03351	0.0171432	0.05061746	0.8232776	9	0.5491704
ENSG00000268225	19	CTD-2331H12.5	53365060	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.43216	0.0716255	1.60E-09	-0.0268232	0.0197771	0.175011	0.331644	8	0.67238185
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.549846	0.0567075	3.13E-22	-0.0210821	0.0153015	0.1682727	0.7407571	11	0.67238185
ENSG00000197937	19	ZNF347	53627325	rs8113629	19	53609534	T	G	0.481113	0.0118609	0.00807851	0.142048	0.371929	0.0678199	4.16E-08	0.0318902	0.0224855	0.1561158	0.6121576	8	0.67203469
ENSG00000269001	19	ZNF818P	53716241	rs11673357	19	53700807	C	T	0.798211	-0.0108801	0.00952774	0.253481	-0.635711	0.0832953	2.31E-14	0.0171149	0.0151544	0.2587429	0.02868886	14	0.75281985
ENSG00000196417	19	ZNF765	53893046	rs13345749	19	53920700	G	A	0.338966	0.00015674	0.00825419	0.98485	0.43494	0.0760129	1.05E-08	0.00036037	0.0189779	0.98485	0.8502473	10	0.99422252
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-0.922626	0.0994989	1.81E-20	0.00415383	0.0111925	0.7105432	0.5590061	19	0.92906635
ENSG00000170906	19	NDUFA3	54606036	rs75622830	19	54611734	G	A	0.0994036	0.00493335	0.0135927	0.71665	0.458109	0.0690439	3.24E-11	0.0107689	0.0297157	0.7170536	0.08452215	5	0.92906635
ENSG00000167608	19	TMC4	54663846	rs36641	19	54643387	C	A	0.205765	0.00245162	0.0095875	0.798174	0.527538	0.0757456	3.29E-12	0.00464729	0.0181863	0.7983077	0.3582269	17	0.95149298
ENSG00000170889	19	RPS9	54704610	rs2304524	19	54705340	G	C	0.420477	-0.0060312	0.00821989	0.463115	-0.255401	0.03708	5.66E-12	0.0236144	0.0323663	0.4656357	0.2663046	4	0.86904091
ENSG00000267838	19	AC008746.12	54949847	rs4806755	19	54953828	A	G	0.303181	0.00098874	0.0093721	0.91598	-0.456258	0.0669516	9.44E-12	-0.0021671	0.0205437	0.9159902	0.9939007	20	0.97813375
ENSG00000022556	19	NLRP2	55464498	rs269913	19	55481669	C	T	0.483101	-0.0020358	0.00810006	0.801554	0.625305	0.0823955	3.22E-14	-0.0032558	0.0129609	0.8016605	0.8657482	20	0.95157909
ENSG00000267454	19	ZNF582-AS1	56905025	rs12610115	19	56915855	A	C	0.492048	-0.0024952	0.00819003	0.760624	-0.53933	0.0669315	7.76E-16	0.00462646	0.0151964	0.7607894	0.1148745	13	0.9413792
ENSG00000198046	19	ZNF667	56950694	rs10408921	19	56983728	A	G	0.170974	-0.0148066	0.0128775	0.250225	0.352063	0.0637796	3.39E-08	-0.0420567	0.0373623	0.2603165	0.2179944	5	0.75402182
ENSG00000166770	19	ZNF667-AS1	56988619	rs3971706	19	57006069	A	G	0.72167	-0.008557	0.00831014	0.303147	-0.409017	0.0618147	3.67E-11	0.0209209	0.0205619	0.3089338	0.1156604	9	0.78482223
ENSG00000196263	19	ZNF471	57019212	rs993510	19	57046781	T	A	0.49006	-0.0141578	0.00809993	0.0804822	-0.302122	0.0528606	1.09E-08	0.0468612	0.0280358	0.09462771	0.4196027	3	0.62283999
ENSG00000269696	19	AC007228.11	57056935	rs2286422	19	57047859	T	C	0.281312	-0.0204452	0.00898737	0.0229129	0.741248	0.077978	1.98E-21	-0.0275821	0.012467	0.02693836	0.3134184	20	0.44317726
ENSG00000131845	19	ZNF304	57862675	rs12983221	19	57872174	T	C	0.513917	-0.0001607	0.00806757	0.984112	0.446694	0.0684943	6.96E-11	-0.0003597	0.0180607	0.9841118	0.8017185	9	0.99422252
ENSG00000186272	19	ZNF17	57922531	rs11667293	19	57942588	G	T	0.634195	-0.0043077	0.00823519	0.600918	0.623841	0.0914263	8.89E-12	-0.0069051	0.0132395	0.6019833	0.5951165	5	0.90357711
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	1.13211	0.0819292	1.98E-43	-0.0008637	0.00714461	0.9037834	0.7099392	20	0.97813375
ENSG00000268266	19	AC003005.2	57989017	rs11084500	19	57974835	C	G	0.27833	0.0214473	0.00846466	0.011285	0.752084	0.114834	5.78E-11	0.0285172	0.0120678	0.01812429	0.05314079	11	0.39297047
ENSG00000269867	19	CTD-2583A14.8	58378406	rs2012034	19	58380385	C	T	0.2833	0.00606795	0.00847922	0.474222	0.58505	0.0978436	2.24E-09	0.0103717	0.0145966	0.4773599	0.5961788	3	0.87134983
ENSG00000270804	19	CTD-2583A14.11	58379253	rs7252219	19	58386762	G	A	0.284294	0.00552205	0.0084917	0.515506	0.682169	0.0909969	6.55E-14	0.00809484	0.0124948	0.5170787	0.2162204	8	0.87134983
ENSG00000196724	19	ZNF418	58433252	rs6510112	19	58417426	A	G	0.252485	0.00603171	0.00855088	0.480567	-0.445171	0.0687442	9.43E-11	-0.0135492	0.0193217	0.4831516	0.05286032	14	0.87134983
ENSG00000176593	19	CTD-2368P22.1	58513429	rs4801247	19	58522561	G	C	0.689861	0.0208569	0.00879331	0.0176962	-0.502435	0.0706516	1.15E-12	-0.0415116	0.0184492	0.02444565	0.7983052	7	0.44317726
ENSG00000213753	19	RPL23AP79	59084870	rs10413586	19	59071321	T	C	0.589463	-0.0058957	0.0084831	0.487061	0.476093	0.0571813	8.36E-17	-0.0123835	0.0178801	0.4885715	0.3538777	14	0.87134983
ENSG00000101255	20	TRIB3	361261	rs62191440	20	360225	C	A	0.437376	0.00621094	0.00809408	0.442877	0.372255	0.0635453	4.68E-09	0.0166846	0.0219291	0.4467502	0.8149059	9	0.86618806
ENSG00000101307	20	SIRPB1	1544167	rs4813331	20	1897442	T	C	0.374751	-0.001907	0.0083717	0.819812	0.842234	0.093296	1.76E-19	-0.0022642	0.00994304	0.8198686	0.9999579	17	0.9598955
ENSG00000125877	20	ITPA	3189514	rs7270101	20	3193893	C	A	0.129225	-0.0024956	0.0146584	0.864813	-0.83399	0.106794	5.75E-15	0.00299236	0.0175804	0.8648449	0.0352093	20	0.97039534
ENSG00000229539	20	RP11-119B16.2	3868886	rs17212649	20	3853093	G	A	0.191849	0.00582954	0.0106848	0.585346	0.794484	0.145088	4.35E-08	0.00733752	0.0135153	0.5871961	0.1104877	6	0.90196409
ENSG00000101236	20	RNF24	3907956	rs6116153	20	3996208	T	C	0.446322	-0.0211003	0.00807461	0.00897078	-0.389228	0.0573623	1.16E-11	0.0542106	0.0222304	0.01474512	0.1016738	16	0.37355797
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	1.0269	0.117297	2.05E-18	0.00318459	0.00961047	0.7403672	0.7292211	6	0.93473078
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.527299	0.0764962	5.46E-12	0.00605596	0.0187389	0.746562	0.19099	14	0.93473078
ENSG00000101310	20	SEC23B	18488137	rs6045505	20	18592900	G	A	0.925447	0.00754908	0.0148366	0.610882	-0.797243	0.118582	1.78E-11	-0.009469	0.0186631	0.6118996	0.2701894	8	0.90647129
ENSG00000225056	20	RP11-218C14.5	23635862	rs2424598	20	23648032	A	G	0.796223	0.00657874	0.00944575	0.486131	-0.584505	0.0927496	2.94E-10	-0.0112552	0.0162586	0.4887732	0.4094453	9	0.87134983
ENSG00000100987	20	VSX1	25051521	rs6076315	20	25065518	A	G	0.196819	-0.0150083	0.0104196	0.149757	-0.477057	0.0864957	3.48E-08	0.0314602	0.022574	0.1634237	0.3923746	8	0.67203469
ENSG00000175170	20	FAM182B	25744102	rs2252934	20	25957535	C	G	0.583499	-0.0107086	0.00821458	0.192369	0.881581	0.0958529	3.67E-20	-0.012147	0.00941114	0.1968049	0.3751333	20	0.69450462
ENSG00000125804	20	FAM182A	26035291	rs2424750	20	25978849	A	C	0.599404	-0.0112209	0.00822069	0.172267	-1.04681	0.120183	3.04E-18	0.0107191	0.00794893	0.1774974	0.6591797	20	0.67238185
ENSG00000198547	20	C20orf203	31219428	rs113955932	20	31284638	C	T	0.236581	-0.0027093	0.0100495	0.78747	0.563335	0.0756261	9.41E-14	-0.0048094	0.017851	0.7876072	0.6066391	11	0.95086974
ENSG00000101412	20	E2F1	32263489	rs17404047	20	32305781	T	A	0.240557	-0.0132441	0.00964236	0.169588	-0.334383	0.0517734	1.06E-10	0.0396076	0.0294812	0.1791141	0.09132353	8	0.67566173
ENSG00000101460	20	MAP1LC3A	33134658	rs6059835	20	33020141	G	A	0.503976	0.00055232	0.00816409	0.946062	0.26365	0.0448591	4.17E-09	0.0020949	0.0309677	0.9460659	0.900439	11	0.98722657
ENSG00000088298	20	EDEM2	33703167	rs6060283	20	33767865	G	A	0.189861	-0.0078763	0.0102448	0.442009	-0.524611	0.0885081	3.08E-09	0.0150136	0.019692	0.4458077	0.2950095	8	0.86618806
ENSG00000126005	20	MMP24-AS1	33804265	rs2297789	20	33867248	T	A	0.200795	0.0204524	0.00965069	0.0340675	-0.557884	0.0688898	5.58E-16	-0.0366607	0.0178813	0.04034238	0.5924349	9	0.52469844
ENSG00000224497	20	RPL36P4	34132175	rs45563939	20	34136791	T	C	0.149105	0.00100932	0.0140336	0.942664	1.13463	0.110698	1.19E-24	0.00088956	0.0123687	0.9426657	0.6022179	20	0.98649544
ENSG00000214078	20	CPNE1	34213953	rs6058374	20	34525838	C	G	0.10338	0.00843984	0.015302	0.581254	-0.949188	0.0838966	1.12E-29	-0.0088916	0.0161403	0.5817042	0.9732224	20	0.90118119
ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.14042	0.103239	2.28E-28	0.00347371	0.00969083	0.7200041	0.3537483	20	0.92906635
ENSG00000196756	20	SNHG17	37049235	rs788347	20	37062583	T	C	0.159046	0.0114055	0.0110916	0.30381	1.25132	0.0953925	2.61E-39	0.00911477	0.00889111	0.3052897	0.5872691	20	0.78165962
ENSG00000183798	20	EMILIN3	39988606	rs4812502	20	40026250	A	G	0.152087	0.00961532	0.00931941	0.302189	-0.560248	0.0928069	1.57E-09	-0.0171626	0.0168756	0.3091511	0.3106784	15	0.78482223
ENSG00000101104	20	PABPC1L	43538703	rs16989483	20	43537200	C	T	0.287276	-0.0285103	0.00942092	0.00247588	-0.365461	0.0509312	7.20E-13	0.0780119	0.027977	0.00529642	0.9616967	10	0.2764859
ENSG00000124116	20	WFDC3	44376583	rs3746493	20	44418564	G	A	0.656064	-0.0072242	0.00853616	0.397382	0.869569	0.0721982	2.08E-33	-0.0083078	0.00984075	0.3985442	0.1000583	20	0.83909579
ENSG00000225849	20	MKRN7P	45092541	rs7266119	20	45100761	T	C	0.0576541	0.00111505	0.0183064	0.951431	1.07087	0.118926	2.17E-19	0.00104126	0.0170953	0.9514317	0.293831	7	0.98752211
ENSG00000231742	20	RP11-112L6.4	48789087	rs6122884	20	48789388	G	A	0.345924	0.00624765	0.00847793	0.461165	0.787015	0.0932119	3.09E-17	0.00793841	0.0108132	0.4628634	0.7431127	11	0.86904091
ENSG00000124164	20	VAPB	56964178	rs6092645	20	57009166	A	G	0.39165	-0.0090359	0.00807522	0.263153	0.373396	0.0503351	1.19E-13	-0.0241993	0.0218711	0.2685304	0.07218518	10	0.76076667
ENSG00000215440	20	NPEPL1	57264187	rs6026456	20	57278244	T	C	0.242545	-0.0024509	0.0104351	0.814306	-0.415442	0.0683111	1.19E-09	0.0058996	0.0251368	0.8144419	0.2275145	8	0.95850779
ENSG00000101158	20	NELFCD	57556263	rs17851253	20	57564695	T	C	0.119284	0.00182028	0.0108145	0.866332	-0.890022	0.117167	3.05E-14	-0.0020452	0.0121538	0.8663652	0.8489144	10	0.97039534
ENSG00000060491	20	OGFR	61436187	rs6062700	20	61460338	T	C	0.411531	0.00486866	0.00809093	0.547346	-0.322826	0.0517455	4.41E-10	-0.0150814	0.0251791	0.5491974	0.9724643	20	0.88877747
ENSG00000101190	20	TCFL5	61472467	rs28578314	20	61471768	C	G	0.180915	0.0103496	0.0103302	0.316404	0.436674	0.0558682	5.45E-15	0.023701	0.0238501	0.3203458	0.04065068	6	0.79207218
ENSG00000231133	20	HAR1B	61726845	rs35620756	20	61733369	G	C	0.508946	-0.0024445	0.00822451	0.766295	-0.480166	0.0723149	3.14E-11	0.00509099	0.0171456	0.7665227	0.1227334	5	0.94478379
ENSG00000225978	20	HAR1A	61733483	rs750698	20	61735509	G	T	0.606362	0.00853477	0.00836603	0.307648	0.295537	0.0521753	1.48E-08	0.0288789	0.0287634	0.3153711	0.4452873	5	0.78888525
ENSG00000101198	20	NKAIN4	61872136	rs147378830	20	61885230	C	G	0.0934394	-0.0221106	0.0168508	0.189474	0.645682	0.0906356	1.05E-12	-0.0342438	0.0265367	0.1969003	0.4763363	12	0.69450462
ENSG00000273492	21	AP000230.1	27543189	rs457581	21	27594480	A	G	0.238569	-0.0083468	0.00930417	0.369665	1.01029	0.0929808	1.68E-27	-0.0082618	0.00924074	0.3712904	0.1553204	20	0.83118865
ENSG00000156239	21	N6AMT1	30244513	rs76418907	21	30273422	A	G	0.202783	-0.0164524	0.00997845	0.0991905	-0.506738	0.0707764	8.09E-13	0.0324673	0.0202069	0.1081117	0.5833426	20	0.63886666
ENSG00000156253	21	RWDD2B	30376705	rs6516886	21	30393664	T	A	0.712724	-0.0216312	0.0106884	0.0429903	-0.717795	0.0637182	1.95E-29	0.0301356	0.015129	0.04638065	0.1062958	20	0.54092126
ENSG00000156265	21	MAP3K7CL	30449792	rs7278227	21	30482707	A	G	0.445328	-0.0178598	0.00826952	0.030795	0.513953	0.0938134	4.29E-08	-0.0347499	0.0172952	0.04451333	0.5247662	15	0.54092126
ENSG00000142207	21	URB1	33683329	rs4817490	21	33804380	T	C	0.0954274	0.00546948	0.0149882	0.715173	0.551189	0.100458	4.09E-08	0.00992306	0.0272526	0.7157724	0.7311101	5	0.92906635
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.476629	0.0624835	2.38E-14	-0.0332219	0.0187228	0.07599665	0.09746072	6	0.58667734
ENSG00000142188	21	TMEM50B	34804792	rs2284556	21	34806305	A	G	0.444334	0.0132937	0.00805122	0.0987097	-0.538449	0.0659081	3.09E-16	-0.0246889	0.0152549	0.1055725	0.8723434	11	0.63886666
ENSG00000185917	21	SETD4	37406839	rs11702763	21	37470704	G	A	0.366799	0.0007553	0.00831219	0.927599	-0.346968	0.058959	3.98E-09	-0.0021769	0.0239595	0.9276074	0.3320567	12	0.98142977

ENSG00000159228	21	CBR1	37442239	rs2156407	21	37447711	G	A	0.718688	0.0110382	0.00907035	0.223622	-0.265316	0.0452236	4.44E-09	-0.041604	0.0349147	0.2334227	0.8909042	13	0.72999889
ENSG00000236830	21	CBR3-AS1	37504065	rs2242808	21	37530533	G	A	0.455268	-0.0140602	0.00814625	0.0843529	0.428148	0.0757924	1.61E-08	-0.0328396	0.019895	0.09881128	0.7590956	9	0.63478762
ENSG00000224790	21	AP000704.5	38338812	rs28610288	21	38348125	C	A	0.430417	0.00929435	0.00807933	0.249984	-0.851425	0.0840827	4.23E-24	-0.0109162	0.00955023	0.2530246	0.3461723	20	0.7403233
ENSG00000182670	21	TTC3	38445526	rs2298684	21	38445095	A	G	0.496024	-0.0033129	0.00819894	0.68617	0.368143	0.0548361	1.90E-11	-0.0089988	0.0223114	0.6867066	0.05367766	13	0.92906635
ENSG00000183527	21	PSMG1	40546695	rs34705151	21	40553344	A	G	0.479125	-0.0169661	0.00812998	0.0369003	0.350252	0.043958	1.61E-15	-0.0484397	0.0239947	0.04351165	0.1962594	18	0.54092126
ENSG00000157578	21	LCA5L	40777770	rs4816626	21	40809364	T	C	0.518887	0.00431147	0.00806684	0.593018	-0.535081	0.0621382	7.23E-18	-0.0080576	0.0151049	0.5937278	0.6111904	20	0.90196409
ENSG00000184809	21	C21orf88	40969074	rs673361	21	40991982	A	G	0.289264	-0.0036012	0.00952567	0.705393	-0.473852	0.0808777	4.66E-09	0.00759982	0.0201444	0.7059756	0.2193526	5	0.92906635
ENSG00000226496	21	LINC00323	42513427	rs9974272	21	42521711	G	A	0.193837	0.0251611	0.0113042	0.0260262	-0.644201	0.0885178	3.40E-13	-0.0390578	0.01835	0.03329615	0.6506228	17	0.47347013
ENSG00000183844	21	FAM3B	42676139	rs66817580	21	42689637	T	G	0.137177	0.00278559	0.0136851	0.838706	0.929227	0.149095	4.59E-10	0.00299775	0.0147353	0.8387906	0.7724111	5	0.96485951
ENSG00000141956	21	PRDM15	43218385	rs143393748	21	43298846	T	C	0.12326	-0.0021272	0.0141624	0.880606	0.624561	0.111925	2.40E-08	-0.0034059	0.022684	0.8806493	0.2422257	4	0.97813375
ENSG00000235772	21	AP001625.6	43980484	rs12483424	21	43981658	A	G	0.21173	-0.0097002	0.00934171	0.299094	-0.70008	0.0987473	1.34E-12	0.0138559	0.0134861	0.3042247	0.5169813	9	0.78165962
ENSG00000235023	21	AP001626.2	44068381	rs375886	21	44038248	C	T	0.567594	0.00140936	0.00809181	0.861731	0.576789	0.103444	2.46E-08	0.00244346	0.0140359	0.8617977	0.2622819	3	0.97036966
ENSG00000160200	21	CBS	44473301	rs234728	21	44448775	A	G	0.372763	0.00043497	0.0081349	0.957358	-0.74358	0.103932	8.40E-13	-0.000585	0.0109405	0.9573594	0.7563075	17	0.98791053
ENSG00000241945	21	PWP2	45527171	rs9981485	21	45515366	G	A	0.17992	0.00099668	0.0108812	0.927018	1.38617	0.120755	1.68E-30	0.00071902	0.00785008	0.9270207	0.1676837	14	0.98142977
ENSG00000160221	21	C21orf33	45553487	rs35985715	21	45490684	A	G	0.161034	-0.0074208	0.011636	0.523639	1.38626	0.117544	4.21E-32	-0.0053531	0.00840607	0.5242457	0.1563209	15	0.87311801
ENSG00000160226	21	C21orf2	45748827	rs73374031	21	45759197	C	G	0.238569	-0.003711	0.0100537	0.712041	0.515991	0.076375	1.42E-11	-0.007192	0.0195133	0.7124511	0.7751806	4	0.92906635
ENSG00000183250	21	C21orf67	46352729	rs928310	21	46405291	T	C	0.616302	0.00654865	0.00839161	0.435167	0.453903	0.0735746	6.86E-10	0.0144274	0.018635	0.4388059	0.7494467	10	0.86618806
ENSG00000215447	21	BX322557.10	46707967	rs2838867	21	46713092	T	C	0.294235	0.0136848	0.0091233	0.13362	-0.525139	0.0521135	6.99E-24	-0.0260594	0.0175645	0.1379054	0.2337967	20	0.66149748
ENSG00000223768	21	LINC00205	46713200	rs2838867	21	46713092	T	C	0.294235	0.0136848	0.0091233	0.13362	-0.898312	0.0653112	4.80E-43	-0.0152339	0.0102163	0.1359241	0.1866423	20	0.66149748
ENSG00000160282	21	FTCD	47556176	rs9984708	21	47653704	C	T	0.526839	-0.0104707	0.00804189	0.192912	-0.397578	0.0715982	2.81E-08	0.0263362	0.0207758	0.2049268	0.9007444	20	0.70473911
ENSG00000160284	21	SPATC1L	47581062	rs62214043	21	47582241	A	G	0.0785288	-0.0208745	0.0139554	0.134705	-0.93188	0.14772	2.82E-10	0.0224004	0.0153908	0.1455457	0.6296834	5	0.66601785
ENSG00000239415	21	AP001469.9	47671463	rs17176779	21	47670294	G	A	0.134195	0.00183705	0.0144874	0.899096	0.584377	0.0955747	9.70E-10	0.0031436	0.0247965	0.8991177	0.3745318	20	0.97813375
ENSG00000182362	21	YBEY	47706251	rs3747006	21	47721661	C	T	0.836978	-0.0170681	0.00959881	0.0753789	-0.979651	0.095945	1.78E-24	0.0174226	0.00994566	0.07981125	0.2925766	20	0.58829762
ENSG00000160299	21	PCNT	47744036	rs2096507	21	47941916	A	G	0.49503	-0.0048824	0.00807333	0.54534	-0.252345	0.042698	3.42E-09	0.0193482	0.0321603	0.5474296	0.6395619	20	0.88795008
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.2103	0.0928929	8.37E-39	0.0130826	0.00773322	0.09069484	0.4196105	20	0.61192083
ENSG00000273203	22	AC006946.16	17548711	rs62239401	22	17512175	A	G	0.115308	0.00829263	0.0106449	0.435967	-0.837158	0.12295	9.83E-12	-0.0099057	0.0127985	0.4389458	0.4503236	7	0.86618806
ENSG00000177663	22	IL17RA	17565844	rs2845401	22	17538980	G	C	0.592445	-0.0158502	0.00818025	0.0526696	0.339656	0.044816	3.49E-14	-0.0466655	0.0248586	0.06048533	0.9326737	16	0.5662877
ENSG00000093072	22	CECR1	17660194	rs17807317	22	17680519	C	A	0.45825	-0.0081681	0.00810614	0.313627	0.89239	0.079186	1.86E-29	-0.009153	0.00911987	0.3155541	0.7578912	16	0.78888525
ENSG00000237517	22	DGCR5	18958027	rs1814226	22	18957129	T	C	0.311133	-0.0055899	0.00953677	0.557784	-0.294028	0.0523665	1.97E-08	0.0190113	0.0326112	0.5599143	0.7471681	12	0.89238615
ENSG00000273164	22	DGCR10	19010569	rs2003007	22	19006206	G	A	0.286282	0.0142685	0.00867535	0.100029	-0.766342	0.0807086	2.20E-21	-0.018619	0.011489	0.1051066	0.204256	20	0.63886666
ENSG00000070413	22	DGCR2	19023795	rs2238757	22	19104324	T	C	0.186879	0.0170735	0.0110308	0.12167	0.271824	0.0412332	4.33E-11	0.0628109	0.0416842	0.1318549	0.01944479	13	0.6594625
ENSG00000273311	22	DGCR11	19033675	rs62223868	22	19109609	C	A	0.365805	0.0139692	0.00834545	0.0941564	0.502818	0.0799399	3.18E-10	0.0277818	0.017175	0.1057547	0.9948299	8	0.63886666
ENSG00000185065	22	AC000068.5	19435416	rs75637138	22	19440597	A	G	0.182903	-0.0033581	0.00982288	0.732452	-0.700776	0.126679	3.17E-08	0.004792	0.0140439	0.7329408	0.3510767	6	0.93390991
ENSG00000215012	22	C22orf29	19833661	rs8139091	22	19845283	C	G	0.240557	-0.0009363	0.00965918	0.922781	-0.310872	0.050073	5.35E-10	0.00301178	0.031075	0.9227903	0.08355325	13	0.98060924
ENSG00000184470	22	TXNRD2	19863040	rs7290770	22	19861161	T	C	0.147117	0.0191223	0.0139077	0.169148	-0.571393	0.0771456	1.29E-13	-0.0334661	0.0247558	0.176424	0.06081954	12	0.67238185
ENSG00000230513	22	THAP7-AS1	21356175	rs12165467	22	21366206	T	C	0.212724	0.00809254	0.00951854	0.395221	-0.740712	0.100759	1.96E-13	-0.0109254	0.0129362	0.3983578	0.4216307	10	0.83909579
ENSG00000099957	22	P2RX6	21364097	rs71314758	22	21369454	G	A	0.0805169	0.0240012	0.0226193	0.288648	0.555597	0.0922828	1.74E-09	0.0431989	0.0413392	0.2960284	0.6078923	6	0.78165962
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.34971	0.1434	4.86E-21	0.00568229	0.0132516	0.6680675	0.6870631	7	0.92695413
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.951704	0.0736519	3.40E-38	-0.0011501	0.00875856	0.8955265	0.1346835	20	0.97813375
ENSG00000228050	22	TOP3BP1	22577580	rs5756324	22	22335125	C	T	0.256461	-0.0006001	0.00931467	0.948635	0.849978	0.102847	1.40E-16	-0.000706	0.0109591	0.9486363	0.02527014	7	0.98752211
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.573249	0.0910556	3.06E-10	-0.0062485	0.0155283	0.6873922	0.7465026	5	0.92906635
ENSG00000185686	22	PRAME	22890123	rs737891	22	22912091	T	C	0.259443	-0.0019808	0.0104278	0.849344	0.818474	0.114611	9.25E-13	-0.0024202	0.012745	0.8493957	0.4301559	15	0.96801944
ENSG00000186716	22	BCR	23521891	rs4822384	22	23663848	G	T	0.616302	0.0125275	0.00818309	0.125793	0.47039	0.0586553	1.06E-15	0.0266322	0.0177105	0.1326465	0.2656233	6	0.66089262
ENSG00000272733	22	KB-208E9.1	23923067	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.859329	0.0889661	4.50E-22	0.00500439	0.010134	0.6214326	0.4272697	11	0.91003736
ENSG00000189269	22	C22orf43	23950639	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-1.00303	0.108122	1.75E-20	0.00428743	0.00868311	0.6214709	0.7335201	10	0.91003736
ENSG00000272578	22	AP000347.2	24000281	rs78580055	22	24046252	C	A	0.162028	0.00180616	0.0153326	0.906227	-0.470188	0.0808024	5.92E-09	-0.0038414	0.0326162	0.9062463	0.3013129	6	0.97813375
ENSG00000128218	22	VPREB3	24094930	rs9153	22	24108412	A	G	0.836978	-0.0088084	0.0105262	0.402705	-0.740045	0.116367	2.02E-10	0.0119025	0.0143463	0.4067356	0.07523401	11	0.84870027
ENSG00000218537	22	AP000350.4	24236613	rs5751760	22	24243573	A	G	0.56163	0.0130336	0.00828851	0.115837	0.800487	0.105339	2.98E-14	0.0162821	0.0105737	0.1235927	0.6874762	16	0.65156573
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.22721	0.083176	2.88E-49	0.00714931	0.00682121	0.2945928	0.2554212	20	0.78165962
ENSG00000225282	22	AP000350.6	24269087	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.961505	0.0956211	8.70E-24	0.00912497	0.00873149	0.2959936	0.2923742	20	0.78165962
ENSG00000133433	22	GSTT2B	24299601	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	-0.886356	0.0870617	2.42E-24	-0.0098986	0.00947053	0.2959297	0.1892568	20	0.78165962
ENSG00000099977	22	DDT	24313554	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.405243	0.0534023	3.24E-14	0.0216505	0.0208013	0.2979575	0.3565598	12	0.78165962
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.19357	0.134384	6.58E-19	-0.0107607	0.00920937	0.2426268	0.632569	16	0.73691807
ENSG00000224205	22	AP000351.4	24329511	rs377412767	22	24334423	G	A	0.412525	0.0102414	0.00826775	0.215452	0.942835	0.0881697	1.09E-26	0.0108623	0.00882767	0.2185143	0.7093794	20	0.7215737
ENSG00000100058	22	CRYBB2P1	25844072	rs6004659	22	25856411	G	C	0.0735586	-0.0399541	0.0155995	0.0104299	1.00392	0.146653	7.62E-12	-0.0397981	0.0165906	0.01644721	0.4378035	9	0.38316577
ENSG00000272977	22	CTA-390C10.10	25872185	rs3198642	22	25844147	T	C	0.0397614	-0.0267197	0.0200412	0.182454	-1.4135	0.189895	9.80E-14	0.0189032	0.0144041	0.1894008	0.228359	5	0.68577349
ENSG00000261188	22	CTA-445C9.14	26908503	rs713900	22	26898242	G	A	0.937376	-0.0059504	0.0275988	0.829296	0.654479	0.107125	9.99E-10	-0.0090919	0.0421954	0.8294005	0.476597	8	0.96188679
ENSG00000235954	22	TTC28-AS1	28315364	rs5762511	22	28575543	G	A	0.850895	0.00819437	0.0111615	0.462849	-0.493856	0.0880226	2.02E-08	-0.0165926	0.0227934	0.4666393	0.4124133	18	0.86904091
ENSG00000214491	22	SEC14L6	30918786	rs5749123	22	30937512	A	G	0.753479	-0.008621	0.0089201	0.333812	0.597185	0.0886114	1.59E-11	-0.014436	0.0150897	0.3387301	0.6467769	8	0.81882305
ENSG00000237977	22	EIF4HP2	31298206	rs11703597	22	31377027	G	A	0.722664	-0.010676	0.00897171	0.234063	0.613136	0.0933107	5.00E-11	-0.0174121	0.0148705	0.2416321	0.6685324	7	0.73600582
ENSG00000198089	22	SFI1	31884674	rs41311139	22	32200849	T	C	0.0238569	-0.0277539	0.0276005	0.314628	0.897452	0.138382	8.85E-11	-0.0309252	0.0311218	0.3203766	0.8570555	11	0.79207218
ENSG00000205853	22	RFPL3S	32755893	rs2294314	22	32794603	A	T	0.194831	-0.0035574	0.00934773	0.703524	-0.675848	0.0993629	1.03E-11	0.00526367	0.0138527	0.7039655	0.9065847	12	0.92906635
ENSG00000100336	22	APOL4	36585172	rs6000182	22	36598301	T	C	0.144135	-0.0012342	0.0127107	0.922646	-0.776513	0.115842	2.04E-11	0.00158944	0.0163707	0.9226544	0.8316014	3	0.98060924
ENSG00000100348	22	TXN2	36863083	rs62229993	22	36895925	C	T	0.028827	-0.0058245	0.0181582	0.74839	0.631318	0.103945	1.25E-09	-0.0092259	0.0288025	0.7487287	0.2806983	16	0.93546843
ENSG00000100350	22	FOXRED2	36883237	rs146532334	22	36903096	T	C	0.0377734	0.00927211	0.0202896	0.647679	0.99773	0.131351	3.06E-14	0.00929321	0.0203725	0.6482724	0.5875686	12	0.92179505
ENSG00000234688	22	RP1-293L6.1	37099963	rs933229	22	37118535	A	G	0.680915	-0.0142536	0.00822582	0.0831343	0.65467	0.0826752	2.40E-15	-0.0217722	0.0128621	0.09050618	0.06234389	14	0.61192083
ENSG00000100360	22	IFT27	37154246	rs9607382	22	37191418	G	A	0.748509	-0.0104501	0.0089486	0.242889	-0.355127	0.0640706	2.98E-08	0.0294264	0.0257515	0.2531611	0.2792517	3	0.7403233
ENSG00000133466	22	C1QTNF6	37576207	rs229537	22	37590302	G	C	0.21173	-0.0205296	0.0101311	0.0427248	-0.56918	0.071584	1.85E-15	0.0360687	0.0183684	0.04957324	0.8487253	10	0.5491704
ENSG00000237862	22	RP1-63G5.7	37748230	rs4821631	22	37730755	A	G	0.342942	-0.009442	0.0084932	0.266261	0.732123	0.10412	2.04E-12	-0.0128968	0.0117449	0.272171	0.4271081	12	0.76424175
ENSG00000100106	22	TRIOBP	38093011	rs3788529	22	38158709	G	A	0.335984	0.00376634	0.00847309	0.656677	-0.310206	0.0480568	1.08E-10	-0.0121414	0.0273791	0.657436	0.217315	15	0.92370535
ENSG00000100151	22	PICK1	38452318	rs2018980	22	38450620	G	A	0.617296	-0.003621	0.00895233	0.685859	-0.376614	0.0554659	1.12E-11	0.00961472	0.0238127	0.686386	0.7817257	18	0.92906635
ENSG00000184949	22	FAM227A	38974125	rs6001186	22	39055049	T	G	0.349901	-0.0025685	0.00844041	0.760894	0.298043	0.0409688	3.47E-13	-0.0086178	0.0283442	0.7610962	0.7655231	20	0.9413792
ENSG00000235209	22	CTA-150C2.13	39317232	rs4998751	22	39290746	T	C	0.628231	0.0131795	0.00829951	0.11229	0.891039	0.099417	3.17E-19	0.0147912	0.00945949	0.117904	0.8982142	11	0.64371605
ENSG00000239713	22	APOBEC3G	39436924	rs6519166	22	39472177	A	C	0.635189	0.00090712	0.00815957	0.911479	-0.456562	0.0618213	1.52E-13	-0.0019869	0.0178738	0.9114891	0.8021126	15	0.97813375
ENSG00000128268	22	MGAT3	39853349	rs743838	22	39824707	G	T	0.662028	-0.000753	0.00891099	0.932654	0.280232	0.0464509	1.61E-09	-0.0026872	0.0318017	0.9326603	0.6243146	12	0.98468119
ENSG00000128272	22	ATF4	39915700	rs760716	22	39936220	T	C	0.322068	0.00218531	0.0086255	0.799994	0.347584	0.0535427	8.49E-11	0.00628714	0.0248345	0.8001431	0.5890748	6	0.95149298
ENSG00000100418	22	DESI1	41994032	rs75303662	22	42492515	G	C	0.0347913	-0.0386184	0.0209119	0.0647888	-1.00102	0.179702	2.54E-08	0.0385791	0.0220087	0.07961883	0.2803174	5	0.58829762
ENSG00000100162	22	CENPM	42334725	rs57986573	22	42357852	T	C	0.11829	0.0179646	0.0139326	0.197261	0.85338	0.154216	3.14E-08	0.0210511	0.0167637	0.2092051	0.1154307	8	0.70856835
ENSG00000205704	22	LINC00634	42348169	rs2187960	22	42348355	C	T	0.950298	-0.0145614	0.0171198	0.395014	0.588216	0.0979251	1.89E-09	-0.0247552	0.0293949	0.3996995	0.7425661	7	0.840605
ENSG00000183066	22	WBP2NL	42394729	rs11090065	22	42384171	C	T	0.315109	-0.0239023	0.00978047	0.0145301	-0.596312	0.102558	6.08E-09	0.0400835	0.0177915	0.02426161	0.75548	8	0.44317726
ENSG00000198951	22	NAGA	42454358	rs10854749	22	42447341	T	G	0.411531	0.0126571	0.00810456	0.118351	0.308681	0.0477917	1.05E-10	0.0410038	0.0270121	0.129019	0.02854789	20	0.6594625
ENSG00000183172	22	SMDT1	42475695	rs133380	22	42468910	T	C	0.648111	-0.0053038	0.00824797	0.520197	0.284237	0.0451031	2.94E-10	-0.0186597	0.0291686	0.5223553	0.6175776	19	0.87280701
ENSG00000184983	22	NDUFA6	42481529	rs117529804	22	42669104	T	C	0.028827	0.0291349	0.0283791	0.304594	0.856356	0.0967192	8.44E-19	0.0340219	0.0333614	0.3078234	0.5009292	9	0.7843577
ENSG00000213790	22	OLA1P1	42503769	rs5758574	22	42481400	C	G	0.536779	-0.0066453	0.00804707	0.408913	-0.51626	0.0899191	9.39E-09	0.0128721	0.0157477	0.4137018	0.2717951	6	0.85399008
ENSG00000100197	22	CYP2D6	42522501	rs2743449	22	42534148	C	T	0.539761	-0.0070616	0.00808708	0.38256	0.679808	0.0601292	1.23E-29	-0.0103876	0.0119316	0.3839746	0.1133817	20	0.8319892
ENSG00000205702	22	CYP2D7P1	42536214	rs28570317	22	42534276	C	G	0.337972	0.00205915	0.00836641	0.805588	-0.422522	0.0652434	9.41E-11	-0.0048735	0.0198154	0.8057259	0.1878497	20	0.95426755
ENSG00000189306	22	RRP7A	42905974	rs136980	22	42943481	A	G	0.154076	0.00772185	0.0112081	0.490851	0.807389	0.132426	1.08E-09	0.00956398	0.0139703	0.4935991	0.9191341	10	0.87134983
ENSG00000183569	22	SERHL2	42949623	rs137117	22	43012853	C	A	0.323062	0.00799084	0.00848703	0.34643	-0.726729	0.103906	2.67E-12	-0.0109956	0.0117837	0.3507588	0.7779363	20	0.8271509
ENSG00000182841	22	RRP7B	42951229	rs2071844	22	43019562	C	T	0.173956	0.00562185	0.0103439	0.586788	-0.619403	0.0948085	6.44E-11	-0.0090762	0.0167575	0.588078	0.7871057	20	0.90196409
ENSG00000100243	22	CYB5R3	43013846	rs137128	22	43020169	T	C	0.164016	0.00348006	0.0105686	0.741942	-0.443009	0.0695733	1.92E-10	-0.0078555	0.0238883	0.7422739	0.2812298	11	0.93473078
ENSG00000093000	22	NUP50	45559722	rs2176039	22	45585032	G	A	0.540755	-0.0087865	0.00812786	0.279683	0.40049	0.0553321	4.56E-13	-0.0219393	0.0205199	0.2849923	0.7865285	12	0.77446362
ENSG00000100376	22	FAM118A	45704849	rs136564	22	45764874	C	T	0.133201	-0.0126162	0.0105719	0.232724	1.4955	0.122789	4.00E-34	-0.0084361	0.00710299	0.2349581	0.7267818	17	0.72999889
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.86569	0.0863841	1.23E-23	0.00258502	0.00981699	0.7923029	0.9091041	17	0.95149298
ENSG00000184164	22	CRELD2	50311815	rs6009330	22	50236789	C	T	0.214712	0.0116994	0.00966189	0.225939	0.39105	0.0708437	3.39E-08	0.0299179	0.0252951	0.2369053	0.01107096	9	0.72999889
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.81064	0.179993	8.34E-24	0.0278237	0.0145543	0.05591297	0.00298656	20	0.56298992
ENSG00000273137	22	RP3-402G11.28	50646890	rs7292228	22	50649560	G	C	0.398608	0.0105954	0.00823341	0.198138	-0.484574	0.081156	2.36E-09	-0.0218654	0.0173812	0.2083944	0.8839829	14	0.70856835
ENSG00000128159	22	TUBGCP6	50656118	rs28668373	22	50639059	T	G	0.357853	0.0138419	0.0082663	0.0940329	0.255023	0.0437598	5.62E-09	0.0542771	0.0337254	0.107533	0.4989757	11	0.63886666
ENSG00000100429	22	HDAC10	50683612	rs5771258	22	50675648	A	C	0.739563	0.00312063	0.00946955	0.741746	-0.532854	0.0745287	8.70E-13	-0.0058564	0.0177902	0.742009	0.9214335	6	0.93473078
ENSG00000188130	22	MAPK12	50683879	rs6010219	22	50693538	A	G	0.697813	0.00172744	0.00897181	0.847318	-0.665739	0.0679442	1.14E-22	-0.0025948	0.0134791	0.8473477	0.9496671	13	0.96801944
ENSG00000217442	22	SYCE3	50989541	rs78789402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.49486	0.15402	2.85E-22	0.00234823	0.0102678	0.819104	0.6055767	16	0.9598955
ENSG00000205560	22	CPT1B	51007290	rs762676	22	51017794	G	A	0.0427435	-0.0168835	0.0161755	0.296592	-0.733281	0.117641	4.57E-10	0.0230246	0.0223662	0.3032745	0.9734595	10	0.78165962
ENSG00000100288	22	CHKB	51017378	rs86337	22	51020668	A	C	0.569583	0.00626675	0.0083578	0.45337	0.347618	0.0590173	3.86E-09	0.0180277	0.0242371	0.4569938	0.7500726	7	0.86904091
ENSG00000100299	22	ARSA	51061182	rs6151429	22	51063477	C	T	0.0815109	-0.0164026	0.0215329	0.446214	-0.922587	0.144882	1.92E-10	0.0177789	0.0235061	0.4494372	0.8375751	4	0.86618806
ENSG00000184319	22	AC002055.4	51195376	rs9616832	22	51219387	C	T	0.0775348	-0.0141182	0.0155341	0.363427	-0.722084	0.126257	1.07E-08	0.019552	0.0217828	0.3694047	0.5118327	9	0.82957799
ENSG00000205664	23	RP11-706O15.1	3735569	rs6655837	23	3747314	A	G	0.18799	0.0114228	0.00976392	0.242041	-0.411833	0.0728216	1.56E-08	-0.0277365	0.0242104	0.251943	0.9932272	6	0.7403233
ENSG00000234449	23	RP11-706O15.3	3771051	rs72611131	23	3877310	C	T	0.513055	0.00500531	0.00712826	0.482567	-0.507984	0.0812866	4.12E-10	-0.0098533	0.0141208	0.4853102	0.2470166	5	0.87134983
ENSG00000130021	23	HDHD1	6966961	rs802899	23	7088416	G	A	0.29765	-0.0159794	0.00753287	0.0338969	0.252127	0.0444716	1.43E-08	-0.0633784	0.0319002	0.04694788	0.7704781	12	0.54387708
ENSG00000182583	23	VCX	7810303	rs845117	23	7812875	G	T	0.652742	-0.0113994	0.00720464	0.113597	-0.555304	0.0789612	2.03E-12	0.0205282	0.0132985	0.1226745	0.8842859	3	0.65017485
ENSG00000205642	23	VCX3B	8432871	rs2404240	23	8439382	C	T	0.421671	0.00322087	0.00712926	0.651426	-0.484667	0.0804533	1.70E-09	-0.0066455	0.0147509	0.6523379	0.866068	3	0.92370535
ENSG00000046647	23	GEMIN8	14026398	rs73438928	23	14050842	T	C	0.300261	0.00254085	0.00785406	0.74631	-0.445376	0.0608959	2.60E-13	-0.005705	0.0176519	0.74655	0.8040031	9	0.93473078
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.287134	0.0366294	4.55E-15	-0.0317438	0.0266168	0.2330164	0.03112812	16	0.72999889
ENSG00000165197	23	FIGF	15363713	rs4830961	23	15505070	C	T	0.697128	0.0243207	0.00784196	0.00192642	0.30181	0.0551777	4.51E-08	0.0805828	0.0298691	0.00697858	0.1850428	7	0.2764859
ENSG00000087842	23	PIR	15402921	rs2271550	23	15511412	C	A	0.648825	0.0196323	0.00760092	0.00979783	0.411695	0.0556044	1.32E-13	0.0476865	0.0195537	0.01473814	0.2657904	16	0.37355797
ENSG00000130234	23	ACE2	15579156	rs5934269	23	15733994	G	A	0.52611	-0.0008158	0.00705957	0.907998	0.393663	0.0706308	2.50E-08	-0.0020724	0.0179369	0.9080176	0.9103189	6	0.97813375
ENSG00000147003	23	TMEM27	15645441	rs5934269	23	15733994	G	A	0.52611	-0.0008158	0.00705957	0.907998	0.556273	0.0621402	3.49E-19	-0.0014666	0.0126919	0.9080055	0.7396587	7	0.97813375
ENSG00000169249	23	ZRSR2	15808595	rs5936064	23	15843363	A	G	0.729765	-0.0109115	0.00802568	0.173965	-0.490212	0.0470383	1.98E-25	0.0222587	0.0165106	0.1776103	0.7223998	9	0.67238185
ENSG00000012174	23	MBTPS2	21857754	rs5951668	23	21951065	A	G	0.138381	-0.0055886	0.010903	0.60825	-0.423464	0.0649675	7.12E-11	0.0131973	0.0258267	0.6093551	0.4236208	19	0.90506093
ENSG00000147119	23	CHST7	46433219	rs6611279	23	46475904	T	C	0.519582	-0.0063663	0.00704031	0.365855	-0.317119	0.0492418	1.19E-10	0.0200754	0.0224186	0.3705307	0.07883591	14	0.83036478
ENSG00000204272	23	RP11-622K12.1	56755692	rs11091578	23	56808091	C	G	0.71671	0.00824415	0.00928915	0.374808	-0.243501	0.0370005	4.67E-11	-0.0338567	0.0384936	0.3791079	0.5088423	14	0.8319892
ENSG00000231831	23	MTHFD1P1	57419079	rs5915081	23	57691913	G	A	0.276762	-0.0012709	0.00941727	0.892647	0.706209	0.0798862	9.56E-19	-0.0017996	0.0133365	0.8926597	0.2212673	13	0.97813375
ENSG00000215162	23	LINC00269	68399400	rs6624391	23	68427473	C	T	0.313316	-0.0066514	0.0074666	0.373028	0.560334	0.068968	4.49E-16	-0.0118704	0.0134051	0.3758819	0.08388675	9	0.8319892
ENSG00000147164	23	SNX12	70279094	rs12687405	23	70307173	C	T	0.590078	-0.0030397	0.00706541	0.667033	-0.30078	0.0484199	5.23E-10	0.0101061	0.0235466	0.6677806	0.4357214	10	0.92695413
ENSG00000184388	23	PABPC1L2B	72223352	rs4892534	23	72297899	G	A	0.71671	0.0137367	0.00805618	0.0881719	0.167709	0.0282503	2.91E-09	0.081908	0.0499788	0.101244	0.3318909	6	0.63886666
ENSG00000231963	23	RP11-493K23.4	72300006	rs9699175	23	71940614	C	A	0.851175	0.0159554	0.0101243	0.115036	0.52389	0.0830466	2.82E-10	0.0304556	0.0199192	0.1262738	0.5229068	13	0.6572556
ENSG00000187325	23	TAF9B	77385245	rs2268537	23	77361215	A	G	0.204961	0.0003952	0.00867971	0.963684	-0.228707	0.0414999	3.57E-08	-0.001728	0.0379525	0.9636854	0.1039854	4	0.98839528
ENSG00000184788	23	SATL1	84347293	rs200808598	23	84577053	T	C	0.139687	-0.0052636	0.00948454	0.578915	-0.560565	0.094809	3.37E-09	0.00938987	0.016994	0.5805779	0.6228119	6	0.9010433
ENSG00000102362	23	SYTL4	99929488	rs8780	23	99929532	C	G	0.366841	0.0077372	0.00825119	0.348395	-0.298771	0.0535797	2.46E-08	-0.0258968	0.0280049	0.3551098	0.3534424	6	0.82820583
ENSG00000188917	23	TRMT2B	100264335	rs5921708	23	100274985	G	C	0.417755	-0.0055615	0.00741717	0.453366	0.400482	0.0623759	1.36E-10	-0.013887	0.0186465	0.4564212	0.5053683	6	0.86904091
ENSG00000196440	23	ARMCX4	100673275	rs7066271	23	100801254	A	G	0.284595	-0.0089895	0.00752297	0.232113	0.241168	0.0373003	1.01E-10	-0.0372747	0.0317222	0.2399804	0.1086653	19	0.73347791
ENSG00000198932	23	GPRASP1	101906294	rs143672620	23	102172244	T	C	0.0796345	0.00760108	0.0105022	0.469213	-0.24971	0.0335617	1.00E-13	-0.0304396	0.0422561	0.471303	0.8088279	13	0.86932046
ENSG00000102409	23	BEX4	102470020	rs87951	23	102524477	T	C	0.586162	-0.0008896	0.00705138	0.899602	-0.221924	0.0282687	4.14E-15	0.00400873	0.031778	0.8996147	0.3170459	20	0.97813375
ENSG00000172476	23	RAB40A	102754678	rs2983095	23	102661216	A	C	0.373368	0.0052906	0.00779703	0.497429	-0.297402	0.0477655	4.78E-10	-0.0177894	0.0263724	0.4999639	0.2472773	15	0.87134983
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.470011	0.0574782	2.91E-16	-0.0278206	0.0171206	0.1041675	0.5327209	13	0.63886666
ENSG00000018610	23	CXorf56	118672112	rs62599426	23	118580325	A	G	0.037859	-0.0038872	0.0189355	0.83735	-0.766299	0.0761775	8.35E-24	0.00507264	0.0247155	0.8373834	0.5797769	20	0.96376374
ENSG00000125351	23	UPF3B	118967985	rs2428980	23	118930053	C	T	0.518277	-0.0025476	0.00706819	0.718524	0.309494	0.0523305	3.33E-09	-0.0082315	0.0228803	0.7190234	0.7480843	9	0.92906635
ENSG00000171155	23	C1GALT1C1	119759648	rs5956230	23	119753967	T	C	0.926893	-0.0283977	0.0173257	0.101202	0.407311	0.0723271	1.79E-08	-0.0697199	0.0443018	0.1155454	0.7523731	10	0.64371605
ENSG00000169551	23	CXorf48	134290461	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.522266	0.0855712	1.04E-09	-0.0176868	0.0148809	0.2346122	0.7257258	5	0.72999889
ENSG00000203930	23	LINC00632	139791932	rs4824956	23	139854825	G	A	0.139687	0.0130813	0.0106195	0.218019	-0.628989	0.0849814	1.35E-13	-0.0207973	0.0171157	0.2243259	0.4795565	3	0.72717264
ENSG00000238039	23	AF011889.2	148593039	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.697698	0.0763964	6.69E-20	-0.0074635	0.0103352	0.4702052	0.9011932	16	0.86908023
ENSG00000241769	23	LINC00893	148609130	rs3747442	23	148622745	T	A	0.078329	0.00917074	0.012756	0.472182	-0.48102	0.0756759	2.07E-10	-0.0190652	0.0266877	0.474992	0.9724217	4	0.87134983
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.63747	0.0824665	1.08E-14	0.00701569	0.0118871	0.55506	0.6537554	12	0.89189107
ENSG00000130032	23	PRRG3	150863596	rs35662236	23	150863991	T	C	0.518277	-0.0048579	0.00726914	0.503948	-0.237804	0.0271103	1.76E-18	0.0204281	0.0306564	0.5051821	0.3251061	9	0.87134983
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.0145	0.150554	1.60E-11	-0.0132817	0.0206064	0.5192225	0.2775196	12	0.87134983
ENSG00000213391	23	RP11-66N11.6	152871972	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-0.913174	0.147941	6.72E-10	-0.0147555	0.0229129	0.5195886	0.3684146	7	0.87134983
ENSG00000184343	23	SRPK3	153041867	rs6643644	23	153037275	T	C	0.798956	-0.0011712	0.00842677	0.889463	0.39679	0.0671563	3.45E-09	-0.0029516	0.0212432	0.8894937	0.1655985	3	0.97813375
ENSG00000147403	23	RPL10	153618315	rs2070827	23	153582703	A	G	0.0809399	0.00477683	0.0101103	0.63659	-0.193312	0.0319448	1.44E-09	-0.0247105	0.0524596	0.6376135	0.159688	7	0.91818653
ENSG00000071889	23	FAM3A	153733350	rs7611	23	153734787	T	A	0.847258	0.0270587	0.011059	0.0144148	-0.261641	0.0435165	1.83E-09	-0.103419	0.0456337	0.02343377	0.3726992	18	0.44317726

Table S8. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in amygdala

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000225880	1	LINC00115	761586	rs3115850	1	761147	C	T	0.838966	-0.0077542	0.0101849	0.446454	-0.810638	0.135924	2.46E-09	0.00956549	0.012666	0.4501235	0.9159335	8	0.86360679
ENSG00000272512	1	RP11-54O7.17	931346	rs2298214	1	935222	A	C	0.589463	0.00920763	0.00808884	0.25499	0.511438	0.0805441	2.16E-10	0.0180034	0.016068	0.2625215	0.8373383	14	0.75006143
ENSG00000131591	1	C1orf159	1017198	rs77977351	1	1034200	C	T	0.166998	-0.0046401	0.00996292	0.641404	-0.5079	0.0823823	7.04E-10	0.00913581	0.0196718	0.6423528	0.6672498	12	0.91901406
ENSG00000235098	1	ANKRD65	1353800	rs3766165	1	1354594	G	A	0.0924453	-0.0096122	0.0114549	0.401396	-1.03654	0.13744	4.64E-14	0.00927331	0.0111193	0.4042897	0.2733261	20	0.84720184
ENSG00000215915	1	ATAD3C	1385069	rs4590	1	1375810	G	C	0.188867	-0.0138068	0.00926983	0.136373	-0.630935	0.1062	2.83E-09	0.0218831	0.0151469	0.1485356	0.664306	7	0.65927855
ENSG00000160072	1	ATAD3B	1407143	rs144526264	1	1466393	A	G	0.0129225	0.0361086	0.042041	0.390401	-1.53473	0.235647	7.37E-11	-0.0235277	0.0276303	0.394482	0.8654913	9	0.8356628
ENSG00000189339	1	SLC35E2B	1592939	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	-0.746628	0.0746781	1.56E-23	-0.0045713	0.0129077	0.7232274	0.4535473	18	0.92595657
ENSG00000269737	1	RP11-345P4.7	1603429	rs28678861	1	1606287	C	G	0.964215	0.059421	0.0198663	0.00278023	-1.62509	0.283913	1.04E-08	-0.0365647	0.0137932	0.00802707	0.5594579	10	0.30324475
ENSG00000008128	1	CDK11A	1634169	rs148796517	1	1783232	T	C	0.0238569	0.0556568	0.0561856	0.321887	-1.83145	0.273015	1.97E-11	-0.0303895	0.0310109	0.3271051	0.5507512	4	0.80402073
ENSG00000227775	1	RP1-283E3.4	1655951	rs4648774	1	1592881	A	C	0.295229	-0.0047811	0.00909746	0.599209	0.673783	0.0831064	5.17E-16	-0.0070959	0.0135304	0.5999737	0.534838	16	0.90761156
ENSG00000215790	1	SLC35E2	1656277	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.26317	0.196954	1.42E-10	-0.0105244	0.02454	0.66802	0.2554816	4	0.92192031
ENSG00000231050	1	RP1-140A9.1	1822910	rs3806168	1	1823524	C	G	0.197813	-0.0017534	0.0109635	0.872936	-0.99427	0.127544	6.41E-15	0.00176349	0.011029	0.8729629	0.7474045	13	0.98037122
ENSG00000198912	1	C1orf174	3805689	rs35583447	1	3829614	G	A	0.737575	-0.0051452	0.00937583	0.583159	0.887799	0.128843	5.56E-12	-0.0057955	0.0105942	0.5843486	0.550828	3	0.89828921
ENSG00000131697	1	NPHP4	5922871	rs11120871	1	6008591	T	C	0.44831	-0.0013872	0.00813069	0.864527	0.454036	0.0786528	7.80E-09	-0.0030553	0.0179154	0.8645858	0.8017978	12	0.97797442
ENSG00000116237	1	ICMT	6281253	rs58443742	1	6281792	T	C	0.0397614	-0.035468	0.0297887	0.233791	-1.15414	0.196968	4.64E-09	0.0307311	0.0263378	0.243288	0.3120965	4	0.7409144
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.792688	0.0778363	2.34E-24	0.00259438	0.0101824	0.7988845	0.02468405	20	0.95556985
ENSG00000228140	1	RP3-467K16.4	15729475	rs2473344	1	15728289	C	T	0.736581	-0.0053556	0.00829878	0.518701	-0.680594	0.114975	3.23E-09	0.00786902	0.0122657	0.5211669	0.8252258	3	0.87918067
ENSG00000162461	1	SLC25A34	16062900	rs11577746	1	16061586	G	A	0.21173	-0.0043913	0.010149	0.665243	-0.571122	0.101564	1.87E-08	0.00768895	0.0178228	0.6661697	0.01994366	4	0.92192031
ENSG00000232456	1	RP11-5P18.10	16361673	rs12728542	1	16383267	G	A	0.315109	-0.0090613	0.010737	0.398704	0.778553	0.108276	6.46E-13	-0.0116387	0.0138856	0.4019292	0.1172904	11	0.84356456
ENSG00000142632	1	ARHGEF19	16524349	rs221035	1	16526529	A	G	0.739563	0.00797882	0.00953297	0.402609	-0.561674	0.101367	3.01E-08	-0.0142054	0.017165	0.4079066	0.742647	5	0.85108571
ENSG00000215908	1	CROCCP2	16944751	rs696608	1	16833070	G	A	0.616302	0.0091458	0.00855619	0.28511	-0.605311	0.109358	3.11E-08	-0.0151093	0.0143964	0.293939	0.9816123	7	0.77747958
ENSG00000186301	1	MST1P2	16972069	rs76074825	1	17284498	C	T	0.525845	-0.0053509	0.00810043	0.508885	0.503547	0.0833642	1.54E-09	-0.0106265	0.0161827	0.5114005	0.2931272	16	0.87828611
ENSG00000186715	1	MST1L	17081405	rs7513616	1	17298496	G	A	0.493042	-0.0101638	0.00824174	0.217497	-0.667641	0.11409	4.86E-09	0.0152235	0.0126157	0.2275452	0.3976008	10	0.73681303
ENSG00000159339	1	PADI4	17634690	rs2301888	1	17672730	A	G	0.360835	0.00123487	0.00855385	0.885213	0.641855	0.0970711	3.79E-11	0.00192391	0.0133299	0.88524	0.3675906	6	0.98318933
ENSG00000159423	1	ALDH4A1	19197926	rs28514949	1	19237686	T	C	0.0387674	0.0518562	0.0234965	0.0273162	1.07278	0.147652	3.71E-13	0.0483381	0.0228906	0.03471189	0.724006	7	0.45654991
ENSG00000127463	1	EMC1	19542158	rs7515397	1	19554099	G	T	0.576541	-0.0106904	0.0080999	0.186894	-0.512754	0.0918597	2.38E-08	0.020849	0.0162324	0.1990007	0.1358837	10	0.71598135
ENSG00000169914	1	OTUD3	20209006	rs75272523	1	20177006	C	T	0.0586481	0.0172922	0.0132105	0.190545	0.807937	0.146655	3.61E-08	0.0214029	0.0168061	0.2028338	0.664346	3	0.72060967
ENSG00000227066	1	RP3-340N1.2	20480831	rs6426613	1	20480668	T	G	0.331014	0.00545396	0.00835532	0.513916	0.621803	0.103276	1.74E-09	0.0087712	0.013516	0.5163706	0.6083357	5	0.87918067
ENSG00000117245	1	KIF17	20990507	rs601329	1	21044161	G	A	0.7167	0.00042191	0.00905126	0.962821	0.386003	0.0670782	8.69E-09	0.00109303	0.0234494	0.9628225	0.2901912	7	0.99049818
ENSG00000227001	1	NBPF2P	21751118	rs10799691	1	21773362	G	C	0.746521	-0.0115752	0.00905753	0.201263	1.0737	0.157581	9.52E-12	-0.0107807	0.00858291	0.2090935	0.2272224	13	0.72301278
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.21596	0.110318	2.98E-28	0.0109839	0.007774	0.1576841	0.2621183	16	0.66449104
ENSG00000218510	1	LINC00339	22351681	rs11801382	1	22352108	T	C	0.27833	0.0065088	0.00916258	0.477476	0.696948	0.109653	2.07E-10	0.009339	0.0132286	0.4802055	0.07032734	6	0.86360679
ENSG00000204219	1	TCEA3	23707554	rs4649090	1	23781642	T	C	0.671968	-0.0132101	0.00910564	0.146845	0.539476	0.084378	1.62E-10	-0.0244869	0.0173077	0.1571286	0.5414801	9	0.66449104
ENSG00000261349	1	RP3-465N24.5	25592593	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.752435	0.112022	1.86E-11	0.0402764	0.0127398	0.00156984	0.6023463	4	0.2134977
ENSG00000187010	1	RHD	25598884	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-1.01044	0.110883	8.04E-20	0.0303126	0.00900756	0.00076476	0.2758114	8	0.17334449
ENSG00000188672	1	RHCE	25688740	rs596608	1	25663071	G	C	0.54672	-0.0135074	0.00806633	0.0940243	0.830795	0.104863	2.32E-15	-0.0162584	0.00992367	0.1013497	0.03879218	9	0.6086128
ENSG00000157978	1	LDLRAP1	25870071	rs28969504	1	25890189	G	A	0.533797	0.0173415	0.0080743	0.0317344	-0.420585	0.0590826	1.09E-12	-0.0412319	0.0200525	0.03976395	0.01433524	5	0.46221344
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.687567	0.0886042	8.49E-15	0.0208438	0.0145668	0.1524554	0.00559578	20	0.66449104
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.46556	0.135504	2.90E-27	0.0146327	0.0131821	0.2669794	0.83354	16	0.75486899
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.08643	0.106716	2.42E-24	0.00633554	0.00832956	0.4468905	0.6347522	16	0.86360679
ENSG00000204138	1	PHACTR4	28696114	rs10794514	1	28659696	T	G	0.461233	0.0150061	0.00811489	0.0644273	-0.34798	0.062685	2.84E-08	-0.0431235	0.0245798	0.07935766	0.5238383	6	0.58229105
ENSG00000084628	1	NKAIN1	31652592	rs10737355	1	31683480	G	A	0.762425	0.0018219	0.00889708	0.837748	0.907087	0.0865317	1.04E-25	0.00200852	0.00981028	0.8377784	0.04185942	20	0.9711827
ENSG00000235790	1	RP11-73M7.6	32109650	rs10798887	1	32173811	A	G	0.537773	-0.0002472	0.008081	0.975592	0.363024	0.0656783	3.25E-08	-0.0006811	0.0222606	0.9755921	0.6398088	5	0.99268816
ENSG00000084636	1	COL16A1	32117848	rs6657383	1	32165059	T	C	0.527833	-0.0006868	0.0080869	0.932323	0.392479	0.0563293	3.22E-12	-0.0017498	0.0206062	0.9323281	0.5676107	6	0.98751263
ENSG00000233621	1	RP11-422J8.1	37920480	rs75785507	1	37939999	A	G	0.328032	-0.0199136	0.00817582	0.0148638	-0.73134	0.089148	2.33E-16	0.0272289	0.0116616	0.01954701	0.06162387	12	0.39677513
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-1.04334	0.14852	2.14E-12	0.00562443	0.0160113	0.7253788	0.1709219	4	0.92595657
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.733594	0.08152	2.28E-19	-0.000646	0.0113966	0.9547986	0.3530705	15	0.99049818
ENSG00000131238	1	PPT1	40538379	rs12739328	1	40576582	G	A	0.22167	0.00085747	0.00938087	0.92717	0.351505	0.0615386	1.12E-08	0.00243942	0.0266911	0.9271794	0.3952311	7	0.98666978
ENSG00000164008	1	C1orf50	43232940	rs10493114	1	43245560	G	A	0.253479	0.00391403	0.00844733	0.643117	-0.536504	0.0808131	3.16E-11	-0.0072954	0.0157834	0.643923	0.5818436	20	0.91901406
ENSG00000177868	1	CCDC23	43272723	rs323719	1	43270928	A	G	0.296223	0.0005948	0.00833467	0.943108	0.552323	0.0730257	3.93E-14	0.00107691	0.0150909	0.9431101	0.2642968	14	0.99049818
ENSG00000227533	1	SLC2A1-AS1	43424720	rs4306169	1	43431433	A	G	0.529821	0.00848805	0.00812384	0.2961	-0.699135	0.110161	2.20E-10	-0.0121408	0.0117763	0.3025622	0.8481829	6	0.78199769
ENSG00000232022	1	RP5-1109J22.1	46897801	rs35361357	1	46883086	G	C	0.743539	0.00252633	0.00869165	0.77131	-0.664064	0.0946592	2.29E-12	-0.0038044	0.0130998	0.7715006	0.5743207	20	0.94516328
ENSG00000227742	1	CALR4P	52027538	rs12142039	1	52048980	T	C	0.459245	-0.0018018	0.00862102	0.83445	-0.716322	0.111626	1.39E-10	0.00251531	0.0120415	0.8345368	0.3746413	3	0.96890682
ENSG00000134744	1	ZCCHC11	52873954	rs12407692	1	53041145	G	A	0.0506958	-0.0071584	0.0173117	0.67924	0.585615	0.106524	3.85E-08	-0.0122237	0.0296451	0.6800928	0.4368125	4	0.92192031
ENSG00000162383	1	SLC1A7	53552855	rs11206111	1	53609496	T	C	0.367793	0.010745	0.00831645	0.19635	0.774593	0.0903081	9.72E-18	0.0138718	0.0108577	0.201389	0.8132276	15	0.72060967
ENSG00000142856	1	ITGB3BP	63906441	rs855316	1	64069495	A	G	0.684891	-0.0164959	0.00856966	0.05424	-1.15791	0.0996217	3.15E-31	0.0142463	0.00750178	0.05755763	0.6633821	9	0.55261186
ENSG00000177414	1	UBE2U	64669310	rs11208417	1	64786404	T	G	0.37674	-0.0065991	0.00832377	0.427895	0.679765	0.0927441	2.31E-13	-0.0097079	0.0123165	0.4305793	0.7389826	16	0.86360679
ENSG00000213625	1	LEPROT	65886270	rs9725541	1	65847186	T	C	0.557654	0.012737	0.00812255	0.116857	-0.346848	0.0595397	5.69E-09	-0.0367221	0.0242518	0.1299739	0.8427363	6	0.64861908
ENSG00000162620	1	LRRIQ3	74491699	rs533371	1	74687012	G	A	0.464215	0.00108298	0.00807081	0.893257	-0.689515	0.0961831	7.57E-13	-0.0015706	0.0117071	0.893275	0.8993268	9	0.98318933
ENSG00000116783	1	TNNI3K	74663947	rs792323	1	74707594	T	C	0.142147	-0.0077154	0.0104864	0.461883	-1.05288	0.133143	2.62E-15	0.00732791	0.0100027	0.4638086	0.5272415	14	0.86360679
ENSG00000272864	1	RP11-17E13.2	75164453	rs6666150	1	75170352	C	T	0.464215	0.00447624	0.00836775	0.592691	-0.691549	0.0930443	1.07E-13	-0.0064728	0.0121313	0.5936465	0.4310804	17	0.90323518
ENSG00000057468	1	MSH4	76262567	rs1146642	1	76261434	G	A	0.66501	0.00732094	0.00831614	0.378681	0.618406	0.111984	3.35E-08	0.0118384	0.0136175	0.3846546	0.9450211	7	0.8356628
ENSG00000153898	1	MCOLN2	85391268	rs7519134	1	85463208	C	A	0.466203	-0.0018683	0.00823929	0.820618	-0.747452	0.097909	2.27E-14	0.0024995	0.011028	0.8206958	0.4497808	12	0.96467842
ENSG00000055732	1	MCOLN3	85483765	rs12127296	1	85476229	C	T	0.236581	0.00680061	0.00971164	0.483769	-0.643929	0.112178	9.45E-09	-0.0105611	0.0151937	0.4869923	0.4530071	11	0.86803346
ENSG00000122417	1	ODF2L	86814344	rs1999600	1	86874082	A	C	0.315109	0.00371229	0.00858232	0.665342	-0.422662	0.0732012	7.74E-09	-0.0087831	0.0203623	0.6662196	0.7356794	8	0.92192031
ENSG00000137944	1	CCBL2	89401456	rs10754258	1	89447978	A	T	0.455268	-0.0071752	0.0082888	0.38668	-0.633884	0.0825967	1.66E-14	0.0113195	0.0131591	0.3896795	0.5334866	16	0.8356628
ENSG00000117226	1	GBP3	89472349	rs12121223	1	89481583	T	C	0.32008	0.0176619	0.00946381	0.0620055	-0.77564	0.0788701	8.00E-23	-0.0227707	0.012419	0.06672317	0.6727475	20	0.56532704
ENSG00000231613	1	RP5-943J3.1	90254473	rs504053	1	90230119	A	C	0.472167	-0.0036687	0.00825139	0.656599	-0.648484	0.103956	4.43E-10	0.00565733	0.0127564	0.6574115	0.3455651	4	0.91901406
ENSG00000097046	1	CDC7	91966408	rs496975	1	91952383	C	A	0.540755	0.0030155	0.00820189	0.713127	-0.509053	0.0863111	3.68E-09	-0.0059237	0.0161433	0.7136586	0.2907203	7	0.92595657
ENSG00000223745	1	RP4-717I23.3	93727743	rs17131699	1	93598114	C	T	0.175944	-0.0026552	0.0111466	0.811719	-0.887503	0.0959478	2.25E-20	0.00299179	0.0125637	0.8117803	0.1405724	14	0.96001844
ENSG00000230439	1	RP11-488P3.1	94218480	rs1980083	1	94207992	A	G	0.37674	0.0057744	0.00850483	0.497166	0.777807	0.124367	4.00E-10	0.00742395	0.0109986	0.4996824	0.1747533	12	0.87454223
ENSG00000122481	1	RWDD3	95699711	rs1591571	1	95739460	C	A	0.606362	0.00130461	0.00833057	0.875556	-0.450643	0.0778108	6.98E-09	-0.002895	0.0184927	0.8756012	0.3357698	12	0.9825228
ENSG00000162688	1	AGL	100315640	rs56731073	1	100325549	C	A	0.153082	-0.0080586	0.0106367	0.448677	-0.552344	0.0970667	1.27E-08	0.0145898	0.0194273	0.4526556	0.2780737	5	0.86360679
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-0.656294	0.0933327	2.04E-12	-0.0144805	0.0145213	0.3186701	0.4833009	5	0.7975132
ENSG00000134201	1	GSTM5	110254864	rs11101989	1	110253741	C	A	0.336978	0.00543156	0.00829599	0.512647	-0.936591	0.108275	5.15E-18	-0.0057993	0.00888298	0.5138506	0.5794127	20	0.87918067
ENSG00000134202	1	GSTM3	110276554	rs11101992	1	110266754	C	A	0.23161	-0.013022	0.00967612	0.17837	0.834902	0.0893756	9.50E-21	-0.015597	0.0117092	0.1828486	0.1034552	12	0.6926855
ENSG00000156171	1	DRAM2	111659955	rs3818797	1	111728610	C	T	0.2833	0.00755352	0.00858241	0.378797	0.627084	0.0856131	2.40E-13	0.0120455	0.0137847	0.3822104	0.1950499	14	0.8356628
ENSG00000260948	1	RP11-552M11.8	111973668	rs1264890	1	111968487	A	G	0.39662	0.00396495	0.00810587	0.624738	-0.612711	0.111867	4.32E-08	-0.0064712	0.0132822	0.626112	0.3232319	5	0.91877428
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	0.866499	0.1151	5.14E-14	-0.0002036	0.0112917	0.9856174	0.4724991	5	0.99485704
ENSG00000116874	1	WARS2	119573839	rs2645303	1	119555146	T	G	0.450298	-0.0058514	0.00805711	0.46769	-0.743574	0.09414	2.82E-15	0.0078693	0.0108814	0.4695624	0.4862343	17	0.86360679
ENSG00000231365	1	RP11-418J17.1	119683019	rs9662220	1	119751653	A	G	0.276342	-0.0120547	0.0093408	0.196861	-0.857077	0.126681	1.33E-11	0.0140649	0.0110949	0.2049101	0.9898317	6	0.72301278
ENSG00000162836	1	ACP6	147101453	rs12145385	1	147129786	G	A	0.717694	-0.0040829	0.00915864	0.65574	0.826517	0.0804298	9.02E-25	-0.0049399	0.0110914	0.6560429	0.3721098	13	0.91901406
ENSG00000178796	1	RIIAD1	151682909	rs57696433	1	151703474	G	A	0.22664	0.0161206	0.00893384	0.0711607	-0.443851	0.0783822	1.49E-08	-0.0363198	0.0211252	0.0855664	0.04373257	4	0.59196201
ENSG00000237975	1	FLG-AS1	152140601	rs10788823	1	152161648	G	T	0.867793	0.00629085	0.0119555	0.598758	0.921084	0.129287	1.05E-12	0.00682983	0.0130152	0.5997504	0.1233468	9	0.90761156
ENSG00000189171	1	S100A13	153591263	rs3806233	1	153600778	A	G	0.442346	0.0126267	0.00820662	0.123902	0.450353	0.0613024	2.04E-13	0.0280373	0.018618	0.1320861	0.7303131	15	0.64861908
ENSG00000163382	1	APOA1BP	156561554	rs12023410	1	156572658	C	T	0.243539	0.0213207	0.00963311	0.0268788	-0.554342	0.078472	1.62E-12	-0.0384613	0.0182105	0.03468319	0.338851	11	0.45654991
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.836311	0.080309	2.15E-25	0.0155283	0.0100616	0.1227505	0.3507981	8	0.64207954
ENSG00000215845	1	TSTD1	161007421	rs10908821	1	161008535	G	C	0.130219	-0.0026172	0.0115838	0.821251	0.601917	0.108014	2.51E-08	-0.0043481	0.0192607	0.8213953	0.8452573	9	0.96467842
ENSG00000185860	1	C1orf110	162794248	rs12090563	1	162831391	A	G	0.188867	0.0344552	0.0107537	0.00135522	0.618884	0.105199	4.03E-09	0.0556731	0.0197859	0.00489624	0.3335625	5	0.25465421
ENSG00000143194	1	MAEL	166958346	rs7551881	1	166955312	T	G	0.32505	-0.0066086	0.00853796	0.438916	-0.713007	0.0917516	7.78E-15	0.00926862	0.0120338	0.4411734	0.5500041	14	0.86360679
ENSG00000143156	1	NME7	169101769	rs61808905	1	169246477	C	G	0.552684	-0.0158184	0.00845968	0.0615035	0.430627	0.0670516	1.34E-10	-0.0367334	0.0204607	0.07260388	0.4997045	15	0.56532704
ENSG00000171806	1	METTL18	169761670	rs12129052	1	169880635	G	A	0.109344	-0.0167937	0.0153943	0.275314	-0.820154	0.146841	2.33E-08	0.0204763	0.0191247	0.2843166	0.2094598	5	0.76565823
ENSG00000143322	1	ABL2	179068462	rs1325195	1	179071756	A	G	0.589463	-0.0021593	0.00821021	0.792551	-0.396283	0.0717373	3.31E-08	0.00544883	0.0207415	0.7927804	0.01671323	10	0.95316662
ENSG00000162782	1	TDRD5	179560748	rs76644806	1	179561154	T	C	0.305169	-0.0034058	0.00960863	0.722996	0.469105	0.0711496	4.30E-11	-0.0072603	0.0205125	0.7233799	0.01081547	8	0.92595657
ENSG00000135823	1	STX6	180941861	rs6667291	1	181011509	G	A	0.534791	0.0144791	0.00820732	0.0777052	-0.547745	0.0989453	3.10E-08	-0.026434	0.0157263	0.09278637	0.8150298	3	0.59851699
ENSG00000058085	1	LAMC2	183155373	rs2276543	1	183155305	A	G	0.293241	0.0117543	0.00840645	0.162039	0.790435	0.107311	1.76E-13	0.0148707	0.0108251	0.1695299	0.3332828	19	0.67415399
ENSG00000118197	1	DDX59	200593024	rs12126676	1	200600820	C	T	0.410537	0.0170446	0.00811042	0.035591	-0.560669	0.0928253	1.54E-09	-0.0304005	0.0153162	0.04716064	0.1532527	6	0.50903548
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.882756	0.0868969	3.03E-24	0.0219216	0.00938852	0.01954684	0.3775745	20	0.39677513
ENSG00000133059	1	DSTYK	205111632	rs1172135	1	205247160	C	G	0.408549	0.00781442	0.00809096	0.334133	0.430086	0.0740005	6.18E-09	0.0181694	0.0190704	0.3407141	0.7183786	6	0.81912247
ENSG00000162877	1	PM20D1	205797150	rs1772143	1	205799987	A	T	0.394632	0.0115132	0.00810584	0.155503	-0.679231	0.123869	4.17E-08	-0.0169503	0.0123277	0.1691374	0.2574795	4	0.67415399
ENSG00000117335	1	CD46	207925402	rs2745979	1	208018219	C	G	0.263419	0.00520572	0.00904643	0.56499	-0.357342	0.0590186	1.41E-09	-0.0145679	0.02543	0.5667373	0.5542198	5	0.89208649
ENSG00000153363	1	LINC00467	211556145	rs41303051	1	211556131	G	C	0.0387674	0.00631908	0.0182273	0.72883	-1.14861	0.207632	3.17E-08	-0.0055015	0.0159001	0.7293402	0.8989981	3	0.92595657
ENSG00000226251	1	RP11-15I11.3	212398620	rs2884466	1	212555668	A	G	0.200795	-0.0007562	0.010457	0.94235	0.974695	0.122346	1.63E-15	-0.0007758	0.0107289	0.9423525	0.9825486	11	0.99049818
ENSG00000198468	1	FLVCR1-AS1	213025450	rs7524203	1	213011812	C	G	0.550696	0.00478168	0.00825481	0.562414	0.996066	0.0909364	6.40E-28	0.00480057	0.00829899	0.5629593	0.404535	20	0.88935218
ENSG00000162769	1	FLVCR1	213031597	rs6680409	1	213095954	A	G	0.204771	0.00358545	0.0109998	0.744458	0.704944	0.120721	5.24E-09	0.00508615	0.0156281	0.744841	0.74823	9	0.9268498
ENSG00000272823	1	RP11-295M18.6	221002018	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.682078	0.108515	3.27E-10	-0.0081088	0.0125783	0.5191442	0.2605814	8	0.87918067
ENSG00000238078	1	RP11-295M18.2	221002597	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.639403	0.105775	1.49E-09	-0.00865	0.0134235	0.5193225	0.1326906	9	0.87918067
ENSG00000225265	1	RP11-378J18.3	222763167	rs17163191	1	222719586	C	T	0.252485	-0.0181868	0.00961366	0.0585221	-0.719512	0.116401	6.36E-10	0.0252766	0.0139731	0.0704594	0.52241	5	0.56532704
ENSG00000272750	1	RP11-378J18.8	222832209	rs12043288	1	222906294	G	A	0.699801	0.00486695	0.00895107	0.586628	-0.818487	0.110376	1.21E-13	-0.0059463	0.0109655	0.5876308	0.5685322	10	0.8999751
ENSG00000163041	1	H3F3A	226249552	rs12096468	1	226258270	T	C	0.279324	0.00721052	0.0089963	0.422843	0.714605	0.0912853	4.95E-15	0.0100902	0.012655	0.4252593	0.1946035	20	0.86360679
ENSG00000135773	1	CAPN9	230883130	rs11577947	1	230888426	T	A	0.326044	-0.0009981	0.00921826	0.913775	-0.566728	0.0906963	4.14E-10	0.00176122	0.0162682	0.9137883	0.729917	14	0.98318933
ENSG00000182118	1	FAM89A	231154704	rs4543780	1	231174431	T	C	0.295229	0.025722	0.00877536	0.00337699	-0.534611	0.0822535	8.06E-11	-0.0481135	0.0180065	0.00753985	0.05671237	7	0.30020403
ENSG00000135778	1	NTPCR	233086351	rs35690547	1	233114608	T	C	0.164016	0.00235878	0.0107432	0.826214	0.884359	0.0948379	1.11E-20	0.00266722	0.0121514	0.826261	0.9190784	7	0.96615543
ENSG00000273416	1	RP4-597N16.4	235267495	rs116236094	1	235282706	A	T	0.0208748	-0.0607327	0.0823087	0.460597	1.306	0.238475	4.34E-08	-0.0465028	0.063593	0.4646219	0.03541639	4	0.86360679
ENSG00000230325	1	RP11-385F5.4	236703394	rs509767	1	236733473	C	T	0.748509	0.0204934	0.00977944	0.036121	0.779513	0.13144	3.02E-09	0.02629	0.0133057	0.0481729	0.1079607	17	0.51343497
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	0.983569	0.100724	1.59E-22	0.006618	0.00843814	0.4328664	0.6842172	20	0.86360679
ENSG00000224525	1	RP11-561I11.3	242366857	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.05133	0.0979038	6.72E-27	0.00619145	0.00788987	0.4326094	0.6718066	20	0.86360679
ENSG00000272195	1	RP11-156E8.1	245132652	rs4658684	1	245157882	T	C	0.584493	0.0261224	0.00866204	0.0025636	0.985123	0.0866756	6.20E-30	0.0265169	0.00909711	0.00355838	0.1816995	20	0.25465421
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.684536	0.0693193	5.34E-23	-0.016663	0.0119591	0.1635208	0.00698735	20	0.66920201
ENSG00000221953	1	C1orf229	247273462	rs73135916	1	247274899	G	A	0.324056	0.0108087	0.00893166	0.226221	-0.58258	0.0992559	4.37E-09	-0.0185532	0.0156537	0.235928	0.3461079	14	0.73698899
ENSG00000196418	1	ZNF124	247285277	rs10159377	1	247289430	T	C	0.276342	0.00985563	0.00936702	0.292725	-0.845405	0.111912	4.21E-14	-0.0116579	0.0111869	0.2973638	0.9681603	9	0.7791984
ENSG00000226191	1	RP11-438H8.8	248099363	rs12725426	1	248129881	T	A	0.653082	0.00642174	0.00846003	0.447811	-0.652967	0.111716	5.07E-09	-0.0098347	0.0130651	0.451602	0.9423847	5	0.86360679
ENSG00000196071	1	OR2L13	248100493	rs12725426	1	248129881	T	A	0.653082	0.00642174	0.00846003	0.447811	-0.707256	0.116038	1.09E-09	-0.0090798	0.0120542	0.4513001	0.9079155	5	0.86360679
ENSG00000233296	2	AC092159.2	677186	rs2293083	2	676177	G	C	0.759443	0.00184112	0.00927313	0.84262	-0.873009	0.121212	5.92E-13	-0.0021089	0.0106261	0.8426788	0.5665414	7	0.97122302
ENSG00000234171	2	AC108488.3	3606082	rs35489637	2	3616123	A	C	0.293241	0.0100648	0.00842147	0.232034	-0.983979	0.0774304	5.34E-37	-0.0102287	0.00859635	0.2340915	0.6838153	9	0.73698899
ENSG00000118004	2	COLEC11	3642426	rs11123637	2	3654190	C	T	0.644135	-0.0065833	0.00898982	0.463982	-0.86967	0.123361	1.79E-12	0.00756988	0.0103927	0.4663768	0.825782	10	0.86360679
ENSG00000151360	2	ALLC	3705785	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.1079	0.166508	2.86E-11	-0.0106576	0.011923	0.371396	0.4753599	4	0.8356628
ENSG00000115761	2	NOL10	10710892	rs55974540	2	10835999	A	G	0.319085	0.00044722	0.00863223	0.958682	0.490859	0.0806135	1.14E-09	0.00091109	0.0175866	0.9586834	0.8883455	8	0.99049818
ENSG00000178295	2	GEN1	17935125	rs16983890	2	17968215	A	C	0.107356	-0.0030747	0.0145507	0.832645	0.80504	0.140882	1.10E-08	-0.0038193	0.0180869	0.8327579	0.5625011	8	0.96890682
ENSG00000183891	2	TTC32	20096404	rs13415707	2	20173673	T	G	0.111332	-0.0322402	0.0151017	0.0327718	1.14778	0.140939	3.83E-16	-0.0280892	0.0136019	0.03891411	0.9701277	5	0.46095935
ENSG00000118961	2	C2orf43	20883788	rs13385191	2	20888265	G	A	0.250497	0.00428946	0.00918223	0.640394	-0.904923	0.098893	5.67E-20	-0.0047401	0.0101602	0.6408287	0.4340555	16	0.91901406
ENSG00000219626	2	FAM228B	24299396	rs12713210	2	24351009	C	T	0.138171	0.032876	0.010158	0.00121018	-0.891159	0.11661	2.14E-14	-0.0368913	0.0123787	0.00288037	0.844664	14	0.25465421
ENSG00000232642	2	AC008073.7	24388753	rs6723257	2	24391129	G	A	0.620278	0.0047045	0.00868827	0.588178	-0.783835	0.122842	1.76E-10	-0.0060019	0.0111241	0.5895157	0.00960346	15	0.90184629
ENSG00000171103	2	TRMT61B	29072687	rs11127189	2	28992020	G	T	0.583499	0.0119464	0.00815653	0.143017	-0.58113	0.0863549	1.70E-11	-0.0205572	0.0143642	0.1523904	0.8156274	13	0.66449104
ENSG00000189350	2	FAM179A	29179477	rs7569310	2	29194455	A	C	0.795229	0.0117364	0.0123387	0.341508	-0.705185	0.0963647	2.52E-13	-0.016643	0.0176443	0.3455524	0.9454772	17	0.8244759
ENSG00000018699	2	TTC27	32853099	rs111896629	2	32903548	A	G	0.120278	0.00637116	0.0138566	0.645666	-0.795105	0.131048	1.30E-09	-0.008013	0.0174774	0.6466092	0.1384539	11	0.91901406
ENSG00000218739	2	AC007390.5	37423631	rs10206380	2	37454286	G	A	0.558648	-0.0015317	0.00806876	0.849443	-0.386328	0.0555926	3.67E-12	0.00396474	0.0208936	0.8494981	0.8695587	20	0.97248941
ENSG00000138095	2	LRPPRC	44113647	rs4507144	2	44164481	A	T	0.406561	-0.00708	0.00817545	0.386484	0.393542	0.0567379	4.03E-12	-0.0179905	0.0209353	0.3901542	0.7528411	20	0.8356628
ENSG00000250565	2	ATP6V1E2	46717889	rs3754553	2	46769135	C	T	0.477137	-0.0072811	0.00805789	0.366206	-0.652297	0.0959953	1.08E-11	0.0111623	0.0124618	0.3704029	0.220777	6	0.8356628
ENSG00000119878	2	CRIPT	46843555	rs2346419	2	46845069	C	G	0.309145	0.00559672	0.00886618	0.527881	0.431829	0.0751524	9.14E-09	0.0129605	0.0206552	0.530352	0.719934	15	0.87974872
ENSG00000180398	2	MCFD2	47129009	rs35433380	2	47136950	T	G	0.182903	-0.0193522	0.0118487	0.102411	-0.512083	0.0658275	7.30E-15	0.0377911	0.0236427	0.1099482	0.9331119	9	0.6086128
ENSG00000170802	2	FOXN2	48541776	rs79073127	2	48573895	C	G	0.12326	-0.0080756	0.0148553	0.586703	0.646147	0.0693	1.12E-20	-0.0124981	0.0230296	0.5873379	0.4859734	20	0.8999751
ENSG00000243244	2	STON1	48756522	rs62135201	2	48780425	A	G	0.309145	0.00460106	0.00820415	0.574919	0.45833	0.0791177	6.91E-09	0.0100387	0.0179838	0.5767001	0.6381438	16	0.89548921
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.725941	0.09753	9.82E-14	-0.0037971	0.0115176	0.7416426	0.6440559	4	0.9268498
ENSG00000233266	2	HMGB1P31	54278471	rs1477258	2	54227168	A	T	0.429423	-0.0108557	0.0080878	0.17952	0.751043	0.106013	1.40E-12	-0.0144542	0.0109603	0.1872456	0.1402164	20	0.69820276
ENSG00000237887	2	AC092839.1	54756480	rs6545422	2	54744140	A	G	0.729622	0.00112027	0.0100703	0.911422	-0.628329	0.0998213	3.08E-10	-0.0017829	0.0160296	0.9114359	0.8630955	11	0.98318933
ENSG00000237651	2	C2orf74	61372243	rs2167564	2	61400816	A	G	0.410537	-0.0044257	0.00808534	0.58412	0.562176	0.0601212	8.71E-21	-0.0078725	0.0144068	0.5847624	0.04858741	20	0.89828921
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.742904	0.0773732	7.87E-22	0.0112737	0.0112252	0.315225	0.1568287	20	0.7975132
ENSG00000225889	2	AC074289.1	64370373	rs58136932	2	64459585	A	G	0.119284	0.0117723	0.0102784	0.252068	-0.660249	0.110766	2.51E-09	-0.0178301	0.0158522	0.2606872	0.01986001	7	0.74711929

ENSG00000257800	2	FNBP1P1	74347807	rs1667618	2	74347666	G	T	0.399602	0.00273779	0.00837747	0.743817	0.587836	0.0870454	1.45E-11	0.0046574	0.014268	0.7441051	0.7878633	9	0.9268498
ENSG00000217702	2	MGC10955	74361599	rs72915068	2	74356185	A	G	0.181909	-0.003771	0.0108033	0.727041	1.16025	0.12754	9.27E-20	-0.0032502	0.00931804	0.7272342	0.8271639	10	0.92595657
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.10882	0.0853854	1.47E-38	-0.0076521	0.00813171	0.3466977	0.3803185	19	0.82575985
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.01441	0.0983511	6.08E-25	-0.0083642	0.00890217	0.3474374	0.4675885	18	0.82584721
ENSG00000115364	2	MRPL19	75873909	rs34645183	2	75897939	C	A	0.243539	-0.0032028	0.00869702	0.712681	-0.633082	0.0862977	2.20E-13	0.005059	0.0137549	0.7130251	0.8550231	7	0.92595657
ENSG00000068654	2	POLR1A	86247339	rs11679343	2	86335208	C	T	0.840954	0.0130792	0.0110473	0.236441	0.648837	0.115439	1.90E-08	0.0201579	0.0173999	0.246658	0.7052355	6	0.74215681
ENSG00000273080	2	RP11-301O19.1	86422713	rs12478097	2	86395961	C	T	0.479125	0.0131682	0.00805331	0.102023	0.954032	0.1187	9.18E-16	0.0138027	0.00861426	0.1090878	0.2593262	20	0.6086128
ENSG00000132313	2	MRPL35	86426478	rs4569473	2	86377549	G	A	0.508946	0.0117803	0.00812701	0.147191	-0.32618	0.0585214	2.49E-08	-0.0361159	0.0257445	0.1606586	0.03873192	3	0.66449104
ENSG00000231259	2	AC125232.1	87257800	rs11901025	2	87278601	T	C	0.532803	0.00099593	0.00829796	0.904466	-0.98772	0.109743	2.25E-19	-0.0010083	0.00840187	0.9044745	0.02409738	19	0.98318933
ENSG00000163586	2	FABP1	88422510	rs17350803	2	88443878	C	T	0.255467	0.00396646	0.0111011	0.720865	1.0131	0.138198	2.29E-13	0.00391517	0.0109706	0.7211819	0.1583148	7	0.92595657
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.16119	0.114108	2.53E-24	0.00332358	0.00747838	0.6567349	0.7798267	17	0.91901406
ENSG00000223564	2	CYP4F32P	95425004	rs7603710	2	95426449	G	C	0.406561	-0.0249224	0.0085881	0.00370834	0.583737	0.101872	1.00E-08	-0.0426946	0.0164914	0.00962847	0.2576144	6	0.32736791
ENSG00000196912	2	ANKRD36B	98108978	rs3866776	2	98206429	A	G	0.764414	0.00611933	0.0101681	0.547298	-0.575622	0.105092	4.32E-08	-0.0106308	0.0177709	0.5496956	0.9313363	3	0.88620808
ENSG00000144182	2	LIPT1	99771418	rs13012481	2	99754290	A	C	0.632207	0.00049903	0.00815157	0.951185	0.555274	0.093486	2.86E-09	0.00089871	0.014681	0.9511874	0.6014068	12	0.99049818
ENSG00000212283	2	SNORD89	101889398	rs2177997	2	101918802	G	A	0.436382	0.0032808	0.00807171	0.684406	0.949498	0.115707	2.29E-16	0.0034553	0.00851145	0.6847728	0.639216	7	0.92192031
ENSG00000115602	2	IL1RL1	102927962	rs10183388	2	102932247	T	C	0.497018	0.0123261	0.00803009	0.124785	-0.502832	0.080401	4.00E-10	-0.0245134	0.0164437	0.1360287	0.3754329	7	0.65140504
ENSG00000115604	2	IL18R1	102927989	rs10183388	2	102932247	T	C	0.497018	0.0123261	0.00803009	0.124785	-0.662552	0.0810304	2.92E-16	-0.018604	0.0123317	0.131392	0.6820551	18	0.64861908
ENSG00000234177	2	AC068057.2	105363096	rs2459763	2	105400161	G	A	0.50497	0.00611573	0.00806135	0.448063	-0.475315	0.0721277	4.40E-11	-0.0128667	0.017072	0.4510471	0.3699453	7	0.86360679
ENSG00000229360	2	PPP1R2P5	107557336	rs1524294	2	107612295	A	G	0.471173	0.0126647	0.00811563	0.118635	0.813217	0.104785	8.44E-15	0.0155736	0.0101794	0.1260392	0.6967855	13	0.64527654
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.10824	0.133245	9.00E-17	0.00129783	0.00890838	0.8841687	0.1396885	8	0.98318933
ENSG00000198075	2	SULT1C4	108994367	rs6746280	2	108969417	C	T	0.269384	-0.0023695	0.00861178	0.783208	0.485988	0.0825457	3.92E-09	-0.0048755	0.0177395	0.7834387	0.1988078	4	0.95131842
ENSG00000169629	2	RGPD8	113127669	rs13422242	2	113190211	T	A	0.161034	-0.0008649	0.0108935	0.936715	-1.0029	0.117033	1.04E-17	0.00086243	0.0108625	0.936718	0.8100298	20	0.99049818
ENSG00000125630	2	POLR1B	113299492	rs13413001	2	113315803	C	A	0.083499	-0.0003849	0.0146081	0.978978	1.02672	0.158173	8.52E-11	-0.0003749	0.014228	0.9789778	0.6214176	6	0.99284848
ENSG00000243389	2	AC012442.5	113346617	rs28819453	2	113366965	A	T	0.139165	0.0112819	0.0122846	0.358422	0.859341	0.150346	1.09E-08	0.0131285	0.0144787	0.3645403	0.4554196	5	0.8356628
ENSG00000237753	2	AC079922.3	113399409	rs11123144	2	113403662	C	T	0.831014	-0.0142907	0.0119218	0.230641	-0.902513	0.110366	2.90E-16	0.0158343	0.0133507	0.235611	0.9469495	20	0.73698899
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.968103	0.12889	5.86E-14	0.00909775	0.00853099	0.2862268	0.5479026	20	0.76590337
ENSG00000125618	2	PAX8	113973574	rs7563094	2	113989327	C	T	0.392644	-0.0097043	0.00814004	0.233194	-0.846481	0.131823	1.35E-10	0.0114643	0.00978066	0.2411399	0.3791561	14	0.7409144
ENSG00000225398	2	RP11-395L14.5	114299514	rs144468477	2	114366384	T	A	0.345924	0.0147856	0.0091274	0.105251	0.824205	0.104575	3.24E-15	0.0179392	0.0113057	0.1125705	0.7840024	18	0.6086128
ENSG00000226516	2	FAM138B	114334959	rs73955046	2	114452126	T	C	0.444334	0.0215692	0.00857927	0.0119336	0.5494	0.0978133	1.95E-08	0.0392596	0.0171086	0.02174908	0.5580969	7	0.40266898
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.760982	0.0763773	2.20E-23	-0.0163104	0.0118717	0.1694774	0.3029964	20	0.67415399
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.910799	0.0847288	5.95E-27	0.0132806	0.00990319	0.179905	0.1592094	20	0.68921352
ENSG00000240356	2	RPL23AP7	114368079	rs1667103	2	114380967	T	C	0.294235	0.0087771	0.00870705	0.313433	-0.861657	0.102227	3.49E-17	-0.0101863	0.010177	0.316869	0.01522104	20	0.7975132
ENSG00000228857	2	AC104653.1	114588626	rs4241126	2	114603003	T	G	0.628231	0.0102744	0.00842121	0.222441	0.826896	0.0950482	3.33E-18	0.0124253	0.0102838	0.2269555	0.3165546	20	0.73665747
ENSG00000236682	2	AC068282.3	128146706	rs2090573	2	128110801	C	T	0.770378	0.0112092	0.00909393	0.217723	-1.29723	0.103428	4.38E-36	-0.0086409	0.00704404	0.219938	0.9586571	20	0.73133418
ENSG00000225449	2	AC079776.7	130724165	rs10928946	2	130733087	A	G	0.691849	-0.0152997	0.00826767	0.0642347	0.653364	0.0835465	5.27E-15	-0.0234168	0.0130035	0.07173215	0.4641075	13	0.56532704
ENSG00000222014	2	RAB6C	130737235	rs1922633	2	130701189	A	G	0.702783	-0.014061	0.00827921	0.0894417	0.63523	0.110587	9.24E-09	-0.0221353	0.0135911	0.1033861	0.2500244	4	0.6086128
ENSG00000180178	2	AC018865.8	130748029	rs72988367	2	131453497	G	C	0.318091	-0.0183694	0.0107002	0.086028	0.630198	0.0975637	1.05E-10	-0.0291486	0.0175685	0.09708832	0.3764755	3	0.6086128
ENSG00000236595	2	MED15P5	131009141	rs6431145	2	131008357	C	T	0.449304	-0.0172345	0.00809753	0.0333066	0.658075	0.0977766	1.69E-11	-0.0261893	0.0129055	0.04242631	0.3334333	20	0.47767102
ENSG00000224425	2	AC073869.2	132109787	rs2313724	2	132096409	G	A	0.884692	-0.0122561	0.0116775	0.293927	0.761494	0.117464	9.01E-11	-0.0160948	0.0155347	0.3001751	0.8266983	12	0.78199769
ENSG00000173272	2	MZT2A	132222473	rs16848770	2	132229583	C	T	0.0974155	0.0230645	0.0179839	0.199665	-0.403592	0.0733873	3.81E-08	-0.0571481	0.0457552	0.211667	0.9170143	9	0.72301278
ENSG00000152117	2	AC093838.4	132250386	rs12465352	2	132251995	T	C	0.219682	-0.0104076	0.0091643	0.256096	-0.82943	0.104198	1.72E-15	0.0125479	0.0111608	0.2608928	0.9991827	20	0.74711929
ENSG00000235615	2	AJ239322.1	132722304	rs10205376	2	132796910	A	G	0.368787	0.0148069	0.00878055	0.0917339	0.751844	0.0960644	5.02E-15	0.0196941	0.0119467	0.09925061	0.5596992	8	0.6086128
ENSG00000236485	2	RP1-156L9.1	132741510	rs1513910	2	132796380	A	C	0.745527	0.0141365	0.00863661	0.101669	0.85243	0.12097	1.83E-12	0.0165838	0.0104015	0.1108545	0.5741603	7	0.6086128
ENSG00000227745	2	AC098826.5	132890429	rs62165007	2	133014131	A	G	0.0526839	-0.008279	0.0205555	0.687121	-1.01419	0.155057	6.12E-11	0.00816319	0.0203063	0.6876816	0.4735152	8	0.92192031
ENSG00000163046	2	ANKRD30BL	132905164	rs62165007	2	133014131	A	G	0.0526839	-0.008279	0.0205555	0.687121	-1.4315	0.160795	5.45E-19	0.00578347	0.0143741	0.6874241	0.9985331	20	0.92192031
ENSG00000196151	2	WDSUB1	160092304	rs6746645	2	160114000	T	C	0.333996	0.0124341	0.00822491	0.130594	-0.768823	0.105665	3.44E-13	-0.0161729	0.0109265	0.1388331	0.8297612	11	0.65788507
ENSG00000138399	2	FASTKD1	170386259	rs2353192	2	170430388	C	G	0.130219	0.0063914	0.0106457	0.548256	0.708536	0.11774	1.77E-09	0.00902057	0.0150995	0.5502349	0.3984985	14	0.88620808
ENSG00000204335	2	SP5	171571861	rs6433235	2	171589064	A	G	0.291252	-0.0063308	0.00869822	0.466723	0.580185	0.0931771	4.76E-10	-0.0109116	0.0150942	0.4697415	0.8261161	6	0.86360679
ENSG00000071967	2	CYBRD1	172378757	rs72884400	2	172415113	A	G	0.241551	0.0111515	0.0102699	0.277548	-0.351749	0.0636059	3.20E-08	-0.031703	0.0297542	0.2866506	0.7326201	7	0.76590337
ENSG00000115935	2	WIPF1	175424300	rs11675139	2	175440316	A	G	0.54672	0.0161976	0.00820556	0.0483849	-0.336199	0.0521772	1.17E-10	-0.0481786	0.0255265	0.05910725	0.4812971	5	0.55438524
ENSG00000226747	2	AC007966.1	186584601	rs59321838	2	186541038	A	G	0.251491	0.0116566	0.00819938	0.155129	1.17152	0.106093	2.39E-28	0.00994998	0.00705669	0.1585377	0.103601	20	0.66449104
ENSG00000259915	2	RP11-410E4.1	187219299	rs6434188	2	187449871	T	C	0.243539	0.00534578	0.00897811	0.55156	0.73519	0.115376	1.86E-10	0.00727129	0.0122652	0.5532874	0.2853133	20	0.88630255
ENSG00000138381	2	ASNSD1	190526111	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	0.455686	0.0813968	2.16E-08	0.0445089	0.0208724	0.03297189	0.2817583	3	0.45654991
ENSG00000273240	2	RP11-455J20.3	190628585	rs1233276	2	190684782	G	A	0.224652	-0.0311773	0.00975842	0.00139875	-0.677344	0.108825	4.84E-10	0.0460288	0.016194	0.00447858	0.05907996	11	0.25465421
ENSG00000128699	2	ORMDL1	190635049	rs2289226	2	190526205	T	C	0.730616	0.0201697	0.00879423	0.0218183	-0.802494	0.106424	4.68E-14	-0.0251338	0.0114543	0.02821653	0.05820623	17	0.43607365
ENSG00000198130	2	HIBCH	191054461	rs291428	2	191197226	T	G	0.605368	-0.009995	0.00831006	0.229069	0.606844	0.0717977	2.86E-17	-0.0164705	0.0138319	0.2337462	0.2709061	9	0.73698899
ENSG00000151690	2	MFSD6	191273081	rs76334266	2	191272784	G	T	0.210736	0.0273441	0.0123364	0.0266551	0.262265	0.0439511	2.41E-09	0.104261	0.0501782	0.03772575	0.0002035	19	0.46095935
ENSG00000118997	2	DNAH7	196602427	rs1519611	2	196944333	A	G	0.610338	0.01392	0.0083001	0.0935255	-0.352393	0.0609001	7.19E-09	-0.0395014	0.0245229	0.107224	0.07226355	10	0.6086128
ENSG00000226124	2	FTCDNL1	200625267	rs11687699	2	200626678	A	G	0.66004	0.00644104	0.00947927	0.496829	-0.86366	0.10536	2.46E-16	-0.0074578	0.0110133	0.4983016	0.2732398	9	0.8733566
ENSG00000240344	2	PPIL3	201735630	rs7559150	2	201754063	C	T	0.263419	0.00811619	0.00936911	0.386341	-1.06106	0.103718	1.45E-24	-0.0076491	0.00886155	0.3880374	0.5540925	20	0.8356628
ENSG00000023228	2	NDUFS1	206979541	rs10166505	2	206999684	G	T	0.478131	-0.0012444	0.0080651	0.87738	-0.312806	0.0551623	1.42E-08	0.00397809	0.0257926	0.8774255	0.7190124	7	0.98318933
ENSG00000229150	2	CRYGEP	208972957	rs6751131	2	208981066	A	G	0.357853	0.0145011	0.00847608	0.0871124	0.906978	0.101152	3.06E-19	0.0159884	0.009514	0.09285815	0.6200619	20	0.59851699
ENSG00000138363	2	ATIC	216176540	rs62202926	2	216150246	G	T	0.259443	0.00825731	0.00860945	0.337509	-0.518663	0.0838425	6.16E-10	-0.0159204	0.0167976	0.3432439	0.6399351	8	0.82185159
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	1.26076	0.184619	8.55E-12	-0.0057815	0.0160063	0.7179503	0.9272684	3	0.92595657
ENSG00000229352	2	AC007563.3	217664331	rs2541387	2	217666174	C	A	0.574553	-0.0196632	0.0082329	0.0169235	-0.66058	0.11016	2.02E-09	0.0297666	0.0134153	0.0264969	0.1682935	3	0.42899743
ENSG00000261338	2	RP11-378A13.1	219120042	rs12999734	2	219121528	G	A	0.587475	-0.0025925	0.00858517	0.762669	0.739442	0.077112	8.88E-22	-0.0035061	0.0116161	0.7627822	0.2796511	20	0.9374766
ENSG00000182698	2	RESP18	220192131	rs6738336	2	220208174	C	G	0.719682	-0.0096582	0.0108055	0.371419	0.849358	0.102298	1.02E-16	-0.0113711	0.0127955	0.3741733	0.2665211	14	0.8356628
ENSG00000261428	2	RP11-16P6.1	223431624	rs10932967	2	223544111	T	C	0.71173	0.0063795	0.00883451	0.470226	0.75241	0.121237	5.43E-10	0.00847875	0.0118208	0.4732061	0.6662389	6	0.86360679
ENSG00000182600	2	C2orf82	233721980	rs2675957	2	233754364	T	C	0.629225	-0.0139833	0.00880243	0.112157	0.608233	0.0824945	1.67E-13	-0.02299	0.0148042	0.1204384	0.1342454	14	0.63241785
ENSG00000144488	2	ESPNL	239008798	rs12471185	2	239035937	A	G	0.405567	0.0071965	0.00830035	0.385936	0.890275	0.107761	1.44E-16	0.00808346	0.00937456	0.3885355	0.1499462	20	0.8356628
ENSG00000144485	2	HES6	239146908	rs13428699	2	239144237	G	A	0.33499	-0.0077348	0.00866063	0.371804	0.526028	0.0719351	2.62E-13	-0.0147042	0.0165865	0.3753412	0.6921538	5	0.8356628
ENSG00000130414	2	NDUFA10	240831867	rs4149538	2	240966245	G	A	0.162028	-0.0109222	0.01211	0.367103	-0.534208	0.0885563	1.62E-09	0.0204456	0.022921	0.3723924	0.8788779	6	0.8356628
ENSG00000146205	2	ANO7	242127924	rs76832527	2	242157241	A	G	0.171968	-0.0235225	0.0118568	0.0472694	0.76357	0.135424	1.72E-08	-0.030806	0.0164613	0.06128693	0.8007232	7	0.55465399
ENSG00000168385	2	2-Sep	242254515	rs115271170	2	242347614	T	C	0.0974155	0.00844605	0.0150171	0.573824	0.795287	0.0917006	4.22E-18	0.0106201	0.0189223	0.5746272	0.07560275	17	0.89548921
ENSG00000180902	2	D2HGDH	242673994	rs6740752	2	242703183	G	A	0.512922	0.00709639	0.00810983	0.381555	-0.533469	0.078962	1.42E-11	-0.0133023	0.015329	0.3855108	0.7574811	13	0.8356628
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.10954	0.0941249	4.50E-32	0.0158549	0.00837996	0.05849145	0.4789003	20	0.55438524
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	1.0389	0.109	1.55E-21	0.0140962	0.00859979	0.1011864	0.2809621	20	0.6086128
ENSG00000224318	3	CHL1-AS2	237441	rs11718250	3	246835	A	G	0.104374	0.0106035	0.0146424	0.468962	0.791433	0.131281	1.65E-09	0.0133978	0.0186341	0.4721438	0.2277698	5	0.86360679
ENSG00000144455	3	SUMF1	3742498	rs2662126	3	4410432	G	A	0.588469	-0.0039125	0.00815495	0.631393	-0.583607	0.0856682	9.60E-12	0.00670396	0.014008	0.6322359	0.2752089	6	0.91901406
ENSG00000134077	3	THUMPD3	9404526	rs73115804	3	9441542	T	G	0.147117	-0.014589	0.0126085	0.247243	-0.500894	0.0915899	4.53E-08	0.0291259	0.0257292	0.2576272	0.5713114	5	0.74711929
ENSG00000240288	3	GHRLOS	10327438	rs241506	3	10367604	C	G	0.646123	0.00053479	0.00836675	0.949035	0.696952	0.107474	8.88E-11	0.00076733	0.0120054	0.9490373	0.6628324	20	0.99049818
ENSG00000144559	3	TAMM41	11831916	rs2133061	3	11859653	C	G	0.422465	-0.0048254	0.00807041	0.549898	-0.502022	0.088368	1.34E-08	0.00961195	0.0161646	0.5520911	0.4260287	11	0.88620808
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.737323	0.103854	1.25E-12	0.00664066	0.0111606	0.5518386	0.7214959	6	0.88620808
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	0.82256	0.0787993	1.65E-25	-0.0007739	0.0101308	0.939108	0.00044603	20	0.99049818
ENSG00000235904	3	RBMS3-AS3	29305685	rs2888099	3	29322297	C	A	0.157058	0.00703971	0.0109722	0.521135	-0.729133	0.12267	2.78E-09	-0.0096549	0.0151357	0.5235455	0.632221	3	0.87918067
ENSG00000093167	3	LRRFIP2	37094117	rs925649	3	37270864	T	C	0.370775	-0.0015288	0.00856233	0.858292	0.437678	0.075836	7.86E-09	-0.003493	0.0195724	0.8583594	0.4536409	12	0.97524543
ENSG00000136059	3	VILL	38029550	rs9311173	3	38045528	A	G	0.187873	0.00569744	0.0110647	0.606608	-0.708892	0.109489	9.51E-11	-0.0080371	0.0156577	0.6077417	0.4391839	4	0.91199638
ENSG00000168038	3	ULK4	41288090	rs113416896	3	41871443	C	G	0.16998	0.00947087	0.0105425	0.368999	0.645031	0.105169	8.61E-10	0.0146828	0.0165186	0.3740744	0.9604293	8	0.8356628
ENSG00000230084	3	RP4-613B23.1	42643455	rs3846059	3	42695313	A	G	0.140159	0.00283538	0.0127062	0.823419	1.05768	0.141615	8.10E-14	0.00268075	0.0120186	0.8234968	0.7589878	9	0.96487139
ENSG00000144647	3	POMGNT2	43120724	rs4683356	3	43153419	C	T	0.464215	-0.0014486	0.00826983	0.860948	0.398817	0.0603183	3.79E-11	-0.0036322	0.0207432	0.8609968	0.1652223	9	0.97661022
ENSG00000144792	3	ZNF660	44619715	rs939649	3	44632212	T	G	0.899602	0.00131379	0.0142605	0.926596	-0.748378	0.129666	7.85E-09	-0.0017555	0.0190576	0.9266057	0.478543	11	0.98666978
ENSG00000011376	3	LARS2	45429998	rs3774692	3	45507305	A	T	0.32008	-0.0131418	0.00976613	0.178415	-0.51146	0.0729043	2.29E-12	0.0256947	0.0194427	0.186315	0.01975415	17	0.69820276
ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.754442	0.0983852	1.74E-14	-0.0280817	0.0121094	0.02039479	0.2881094	6	0.40184386
ENSG00000164048	3	ZNF589	48282590	rs6796490	3	48237104	G	T	0.33002	-0.0245223	0.00961301	0.0107429	0.693417	0.104024	2.63E-11	-0.0353644	0.0148437	0.01719757	0.424998	10	0.37124913
ENSG00000213689	3	TREX1	48506445	rs11797	3	48508585	C	T	0.55666	-0.0041652	0.00825411	0.613827	0.446451	0.0716219	4.56E-10	-0.0093295	0.0185488	0.6149829	0.10982	8	0.91707976
ENSG00000213672	3	NCKIPSD	48701364	rs6792510	3	48723302	C	G	0.647117	-0.0282879	0.00849467	0.00086822	0.491266	0.0600136	2.70E-16	-0.0575816	0.0186674	0.00203822	0.1019095	20	0.23099793
ENSG00000173540	3	GMPPB	49754277	rs62262722	3	49769419	C	G	0.16004	0.0237903	0.0130644	0.0686072	0.800608	0.115862	4.85E-12	0.0297153	0.0168752	0.07825816	0.00196844	14	0.57842988
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.520475	0.0708108	1.98E-13	0.023297	0.015987	0.1450494	0.00051327	5	0.65858471
ENSG00000055955	3	ITIH4	52846991	rs7638524	3	52874861	A	G	0.265408	-0.038318	0.00915823	2.86E-05	0.696065	0.0909636	1.98E-14	-0.0550495	0.0149955	0.00024154	0.3229579	20	0.10949627
ENSG00000242142	3	SERBP1P3	53098299	rs2564921	3	53125585	C	T	0.597416	0.00348168	0.00815815	0.669544	0.83365	0.0796842	1.29E-25	0.00417643	0.0097942	0.6698029	0.00010365	19	0.92192031
ENSG00000163933	3	RFT1	53122499	rs2581828	3	53133149	G	C	0.610338	-0.0014719	0.00830357	0.859307	-0.710594	0.0983358	4.97E-13	0.00207131	0.0116889	0.859349	0.0189131	14	0.97555479
ENSG00000113812	3	ACTR8	53901093	rs6794006	3	53933458	A	T	0.374751	0.00328344	0.00855867	0.701245	-0.613998	0.0952833	1.16E-10	-0.0053476	0.0139639	0.7017487	0.03949542	11	0.92595657
ENSG00000144741	3	SLC25A26	66119285	rs146159281	3	66287056	A	G	0.341948	-0.0119615	0.00811514	0.140489	-0.825173	0.0767271	5.63E-27	0.0144957	0.00992641	0.1442016	0.7872088	20	0.65858471
ENSG00000144746	3	ARL6IP5	69134095	rs9856591	3	69151501	T	C	0.5	0.00881641	0.00808058	0.275246	-0.335191	0.0515527	7.93E-11	-0.0263026	0.0244445	0.2819197	0.04787551	13	0.7622481
ENSG00000244026	3	FAM86DP	75470703	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.18388	0.205398	8.22E-09	0.0145086	0.0131203	0.2688054	0.6565006	3	0.75633028
ENSG00000227124	3	ZNF717	75758794	rs11711218	3	75861403	T	C	0.417495	-0.0116928	0.00810988	0.149361	-0.868576	0.121875	1.03E-12	0.013462	0.00952614	0.1576064	0.4965785	17	0.66449104
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.644883	0.0804311	1.08E-15	0.00710272	0.0125778	0.5722773	0.8756171	13	0.89548921
ENSG00000114021	3	NIT2	100053545	rs1561743	3	100084203	G	C	0.255467	0.00311357	0.0100806	0.757424	-0.414344	0.0758136	4.62E-08	-0.0075145	0.0243679	0.7577966	0.2030256	6	0.93521177
ENSG00000256628	3	ZBTB11-AS1	101395274	rs6791696	3	101409096	G	A	0.40159	0.0126341	0.00825896	0.126079	-0.586833	0.102207	9.38E-09	-0.0215293	0.0145647	0.1393597	0.4292671	20	0.65808747
ENSG00000244119	3	PDCL3P4	101431316	rs36060163	3	101360963	T	C	0.328032	-0.0061527	0.00837985	0.462808	0.636618	0.0813376	5.00E-15	-0.0096647	0.0132209	0.4647664	0.1519157	13	0.86360679
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.807633	0.110938	3.34E-13	-0.0102336	0.0101041	0.3111499	0.9979081	11	0.79423414
ENSG00000144843	3	ADPRH	119298115	rs138015439	3	119298609	A	C	0.0318091	-0.0199124	0.0215006	0.354379	-0.831227	0.125335	3.31E-11	0.0239554	0.0261171	0.359021	0.5726569	4	0.83557563
ENSG00000173226	3	IQCB1	121488610	rs75382826	3	121502662	T	G	0.116302	-0.0114186	0.0125832	0.364173	1.17249	0.15465	3.41E-14	-0.0097388	0.0108086	0.3675793	0.913592	10	0.8356628
ENSG00000241278	3	ENPP7P4	125567066	rs2684977	3	125483296	T	C	0.713718	0.020491	0.00979177	0.0363781	-0.646086	0.114841	1.85E-08	-0.0317156	0.01617	0.04983461	0.03675336	5	0.51343497
ENSG00000171084	3	FAM86JP	125635463	rs13325495	3	125637416	G	T	0.167992	-0.0178737	0.0141986	0.20809	1.30219	0.134198	2.91E-22	-0.0137259	0.010995	0.2118941	0.167548	20	0.72301278
ENSG00000189366	3	ALG1L	125648118	rs12629208	3	125710383	A	T	0.27336	0.0184945	0.00884758	0.0365873	-0.999006	0.111623	3.56E-19	-0.0185129	0.00909474	0.04179442	0.6285678	20	0.47765051
ENSG00000241439	3	RP11-666A20.3	125677399	rs77622614	3	125677259	A	G	0.380716	0.0106086	0.00816133	0.193649	-0.728783	0.102117	9.56E-13	-0.0145566	0.0113828	0.2009594	0.2846973	14	0.72060967
ENSG00000114547	3	ROPN1B	125687987	rs4450758	3	125686761	A	T	0.557654	0.010378	0.00808979	0.199544	-0.525943	0.0850924	6.38E-10	-0.0197322	0.0157093	0.2090862	0.7025658	20	0.72301278
ENSG00000070476	3	ZXDC	126156444	rs3231	3	126180121	T	C	0.61829	0.00801209	0.00820878	0.329045	0.552073	0.0852178	9.27E-11	0.0145127	0.0150368	0.3344713	0.1609548	11	0.81519887
ENSG00000261159	3	RP11-723O4.9	128578559	rs2933344	3	128658715	G	A	0.207753	-0.0084174	0.00969978	0.385506	0.823866	0.112805	2.80E-13	-0.010217	0.0118563	0.3888338	0.7171562	7	0.8356628
ENSG00000231305	3	RP11-723O4.2	128580156	rs2933344	3	128658715	G	A	0.207753	-0.0084174	0.00969978	0.385506	0.592834	0.108567	4.75E-08	-0.0141986	0.016567	0.3914223	0.6810247	4	0.8356628
ENSG00000177646	3	ACAD9	128598439	rs62265307	3	128662441	T	C	0.0178926	0.00919199	0.0203637	0.651708	1.37047	0.223786	9.12E-10	0.00670718	0.0148992	0.652588	0.9896211	12	0.91901406
ENSG00000270773	3	RP13-685P2.7	129064254	rs9852014	3	129084581	G	A	0.0745527	0.0105246	0.014864	0.478911	1.08534	0.197266	3.76E-08	0.00969705	0.0138082	0.482512	0.7514377	3	0.86360679
ENSG00000163913	3	IFT122	129158968	rs6789079	3	129180589	A	G	0.16004	0.0252814	0.0155853	0.104776	-0.560756	0.076301	1.99E-13	-0.0450845	0.0284623	0.1131925	0.1919055	17	0.6086128
ENSG00000253540	3	FAM86HP	129817935	rs143471490	3	129879887	C	T	0.336978	-0.0035699	0.00847304	0.673516	-0.718216	0.0999611	6.72E-13	0.00497055	0.0118176	0.6740431	0.04611022	18	0.92192031
ENSG00000249846	3	RP11-77P16.4	129831393	rs56088005	3	129821650	A	G	0.434394	-0.0104023	0.00826852	0.20837	0.610448	0.095909	1.95E-10	-0.0170404	0.0138071	0.2171347	0.602715	9	0.72835202
ENSG00000228252	3	COL6A4P2	129931666	rs12233436	3	129845766	G	A	0.480119	-0.0108075	0.0080955	0.181877	-0.905693	0.0997292	1.07E-19	0.0119329	0.00903452	0.186566	0.241886	20	0.69820276
ENSG00000014257	3	ACPP	132036211	rs144788163	3	132046175	C	T	0.0467197	-0.0166712	0.0131463	0.204752	1.70067	0.276665	7.89E-10	-0.0098027	0.00789285	0.2142457	0.9407956	4	0.72301278
ENSG00000113971	3	NPHP3	132276986	rs72628561	3	132435871	G	A	0.197813	-0.0014712	0.0100849	0.884019	-0.589675	0.0990978	2.67E-09	0.00249485	0.0171076	0.8840535	0.9730744	7	0.98318933
ENSG00000260633	3	RP11-375I20.6	134066130	rs4974498	3	134075522	G	A	0.607356	-0.0054279	0.00828121	0.512177	-0.748442	0.104201	6.84E-13	0.00725232	0.0111106	0.5139237	0.2986625	9	0.87918067
ENSG00000261758	3	RP11-102M11.2	136471472	rs9825700	3	136435162	G	A	0.588469	0.0147567	0.00807187	0.0675258	-0.608889	0.108635	2.08E-08	-0.0242355	0.0139441	0.08220259	0.5868938	10	0.58839749
ENSG00000114744	3	COMMD2	149456257	rs10935774	3	149456926	G	A	0.468191	0.0149836	0.0081774	0.0669037	0.510301	0.0862469	3.28E-09	0.0293623	0.0167755	0.08006502	0.2711551	8	0.58229105
ENSG00000243321	3	snoU13	149795281	rs56198011	3	149797925	T	C	0.317097	0.0168637	0.00869025	0.0523142	-0.638458	0.0778012	2.28E-16	-0.0264132	0.0139867	0.05896551	0.2984771	4	0.55438524
ENSG00000144895	3	EIF2A	150264465	rs6440685	3	150327996	T	C	0.870775	-0.0136201	0.0109676	0.214292	0.726725	0.0820435	8.16E-19	-0.0187418	0.0152394	0.2187641	0.436819	13	0.72943067
ENSG00000244515	3	KRT18P34	156880452	rs1403104	3	156986803	A	G	0.306163	-0.005571	0.00964361	0.563477	-0.745927	0.111837	2.56E-11	0.00746852	0.0129768	0.5649326	0.04600484	8	0.89130897
ENSG00000240207	3	RP11-379F4.4	158450052	rs61794821	3	158460936	G	A	0.220676	0.0197886	0.0103114	0.0549731	0.542289	0.0949417	1.12E-08	0.0364909	0.0200591	0.06888649	0.2605025	4	0.56532704
ENSG00000241231	3	RP11-275H4.1	181138846	rs6443742	3	181160258	G	A	0.687873	0.0257017	0.00867556	0.00305105	0.980665	0.0998642	9.24E-23	0.0262084	0.00924042	0.00456423	0.2884946	17	0.25465421
ENSG00000233885	3	YEATS2-AS1	183524245	rs897604	3	183535763	G	A	0.530815	0.00745683	0.00815001	0.360219	0.548613	0.0622953	1.29E-18	0.0135921	0.0149356	0.3627966	0.5983229	19	0.8356628
ENSG00000114770	3	ABCC5	183637722	rs1533683	3	183635488	T	C	0.492048	0.0094983	0.00807432	0.239451	0.281932	0.050951	3.14E-08	0.03369	0.0292793	0.2498786	0.8114617	6	0.74711929
ENSG00000145198	3	VWA5B2	183948217	rs1687225	3	183948663	A	G	0.225646	0.00572826	0.0102952	0.577938	-0.739259	0.0981911	5.12E-14	-0.0077487	0.0139644	0.5789714	0.6226749	20	0.89579193
ENSG00000145194	3	ECE2	183967438	rs4912532	3	184000619	T	G	0.529821	0.002586	0.00805744	0.74825	-0.444384	0.0814253	4.83E-08	-0.0058193	0.018163	0.7486711	0.2370379	7	0.92816107
ENSG00000156931	3	VPS8	184529931	rs62289859	3	184884679	A	G	0.0755467	0.00065891	0.01329	0.960458	0.897856	0.147208	1.07E-09	0.00073387	0.0148024	0.9604591	0.5305335	20	0.99049818
ENSG00000188958	3	UTS2B	190984957	rs2603668	3	191006540	G	A	0.61332	-0.0072239	0.00823266	0.380232	-1.02292	0.105258	2.52E-22	0.00706204	0.00808094	0.3821654	0.07792988	10	0.8356628
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.657666	0.0895193	2.03E-13	0.0233897	0.0130294	0.07262957	0.02046659	6	0.56532704
ENSG00000224769	3	AC069213.1	195341818	rs13303068	3	195338127	G	A	0.470179	0.00911295	0.00810974	0.261139	0.874658	0.108038	5.69E-16	0.0104189	0.00936079	0.2656938	0.3015926	14	0.75339523
ENSG00000229178	3	AC069513.4	195382436	rs56401727	3	195636800	G	C	0.17495	-0.0045788	0.0118013	0.69802	-0.926373	0.131543	1.89E-12	0.00494275	0.0127586	0.6984555	0.5591074	20	0.92595657
ENSG00000215837	3	SDHAP2	195384967	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.796109	0.1091	2.94E-13	0.0120046	0.0103002	0.2438279	0.909158	20	0.7409144
ENSG00000231464	3	AC024937.4	195723609	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.684182	0.108085	2.45E-10	0.0139684	0.0120354	0.2457989	0.5912452	19	0.74121176
ENSG00000119227	3	PIGZ	196673214	rs4916594	3	196679091	G	A	0.310139	-0.006423	0.00934517	0.491888	0.600748	0.0734549	2.87E-16	-0.0106917	0.0156107	0.4934103	0.4651388	8	0.87284554
ENSG00000213519	3	AC132008.1	197307215	rs34360256	3	197327043	C	T	0.676938	-0.0043761	0.00836704	0.600965	-0.571714	0.102801	2.68E-08	0.0076543	0.0146996	0.6025651	0.5269285	6	0.90953223
ENSG00000250312	4	ZNF718	124386	rs7678326	4	166811	T	A	0.455268	-0.0095533	0.00812549	0.239707	0.852069	0.101582	4.95E-17	-0.0112119	0.00962941	0.2442872	0.4140662	20	0.7409144
ENSG00000242686	4	RP11-1191J2.2	646639	rs9985747	4	657366	G	A	0.134195	-0.0050451	0.0110535	0.648084	-0.782535	0.110241	1.26E-12	0.00644712	0.0141544	0.6487604	0.3861164	20	0.91901406

ENSG00000163945	4	UVSSA	1341054	rs6599309	4	1388115	G	C	0.668986	-0.015106	0.00882849	0.0870723	-0.421767	0.0709375	2.75E-09	0.035816	0.0217817	0.1001112	0.7510228	19	0.6086128
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.62879	0.177195	3.85E-20	-0.0105381	0.0149213	0.4800382	0.7585	20	0.86360679
ENSG00000251580	4	RP11-539L10.3	6672452	rs4689029	4	6675392	C	T	0.205765	0.00303337	0.0104594	0.771806	-0.505506	0.0921244	4.08E-08	-0.0060007	0.0207198	0.772115	0.1715577	6	0.94516328
ENSG00000205959	4	RP11-689P11.2	8483997	rs2631768	4	8473050	A	G	0.642147	-0.0030218	0.00818996	0.712156	-0.417212	0.0643307	8.85E-11	0.00724282	0.019662	0.7125995	0.2423173	18	0.92595657
ENSG00000249506	4	ZEB2P1	16362309	rs9994101	4	16409795	T	C	0.266402	-0.0084303	0.00898987	0.348371	1.20231	0.130696	3.60E-20	-0.0070117	0.00751591	0.3508619	0.9705376	16	0.82986467
ENSG00000163138	4	PACRGL	20697905	rs10805218	4	20674741	T	G	0.11332	-0.0153235	0.0131296	0.243171	-0.877266	0.124905	2.16E-12	0.0174673	0.0151717	0.2496053	0.09352299	14	0.74711929
ENSG00000053900	4	ANAPC4	25378835	rs9654100	4	25397695	T	G	0.550696	0.0118828	0.00829953	0.152217	-0.47767	0.068158	2.41E-12	-0.0248766	0.0177339	0.1606854	0.2156209	20	0.66449104
ENSG00000240005	4	RP11-293A21.1	26861428	rs4505809	4	26860413	A	G	0.527833	-0.0024591	0.00817755	0.763632	-0.864426	0.0935011	2.35E-20	0.00284479	0.0094651	0.7637532	0.3025901	15	0.9374766
ENSG00000251129	4	RP11-734I18.1	31999019	rs6553983	4	32005439	T	C	0.798211	4.45E-05	0.00915677	0.996121	-0.975677	0.11434	1.42E-17	-4.56E-05	0.00938504	0.996121	0.6553907	15	0.99905941
ENSG00000169299	4	PGM2	37828255	rs2059483	4	37828186	T	C	0.593439	0.00105421	0.00820681	0.897788	-0.403816	0.0681642	3.14E-09	-0.0026106	0.0203279	0.8978124	0.9880389	11	0.98318933
ENSG00000231160	4	RP11-617D20.1	38614322	rs337626	4	38631477	C	T	0.126243	-0.01627	0.0116587	0.16286	-0.873601	0.138101	2.52E-10	0.0186241	0.0136665	0.1729591	0.5435407	3	0.68334428
ENSG00000163682	4	RPL9	39455744	rs2687958	4	39459724	C	T	0.67992	0.00023959	0.00844861	0.977376	-0.722774	0.0687192	7.15E-26	-0.0003315	0.0116892	0.9773759	0.6226081	20	0.99268816
ENSG00000251350	4	RP11-328N19.1	44018878	rs7657060	4	44038516	T	G	0.178926	2.52E-05	0.010095	0.998009	0.937648	0.106357	1.19E-18	2.69E-05	0.0107663	0.9980091	0.310015	13	0.99964513
ENSG00000163281	4	GNPDA2	44684217	rs12499960	4	44687401	G	A	0.755467	0.0205209	0.0105638	0.0520679	-0.564776	0.0839267	1.70E-11	-0.0363346	0.0194681	0.06199074	0.4420369	8	0.55465399
ENSG00000198515	4	CNGA1	47937994	rs6827508	4	47889988	C	T	0.750497	-0.0013617	0.0106494	0.898256	-0.769918	0.10997	2.54E-12	0.00176862	0.0138342	0.8982723	0.8934766	10	0.98318933
ENSG00000128039	4	SRD5A3	56212276	rs36110240	4	56217015	T	C	0.152087	0.00688796	0.0114885	0.548805	0.637699	0.0916137	3.38E-12	0.0108013	0.0180823	0.5502798	0.3215289	9	0.88620808
ENSG00000163453	4	IGFBP7	57896939	rs4242004	4	57953278	A	C	0.645129	0.00499866	0.0082558	0.544865	0.488093	0.0787667	5.77E-10	0.0102412	0.0169949	0.5467729	0.2282761	8	0.88620808
ENSG00000138744	4	NAAA	76831809	rs6826085	4	76870229	T	C	0.422465	-0.0093367	0.00811114	0.249695	0.540087	0.0956967	1.66E-08	-0.0172873	0.0153274	0.2593745	0.7451655	5	0.74711929
ENSG00000138750	4	NUP54	77035812	rs6836715	4	77030160	A	G	0.132207	-0.0062049	0.0120881	0.60774	0.658314	0.102963	1.62E-10	-0.0094254	0.0184213	0.6088917	0.2653426	9	0.91199638
ENSG00000189157	4	FAM47E	77135193	rs4859652	4	77188244	A	G	0.642147	-0.0061865	0.00847999	0.465672	-0.541587	0.0805093	1.73E-11	0.0114229	0.0157495	0.4682759	0.5591962	8	0.86360679
ENSG00000118804	4	FAM47E-STBD1	77172886	rs3817118	4	77199211	C	A	0.0765408	0.0115962	0.0122323	0.343128	-0.914058	0.145443	3.29E-10	-0.0126865	0.0135338	0.3485561	0.7049423	14	0.82584721
ENSG00000251022	4	THAP9-AS1	83814162	rs6858248	4	83910874	A	G	0.241551	-0.0212546	0.009925	0.0322322	-0.658284	0.0834142	2.98E-15	0.0322879	0.0156223	0.03875518	0.6463412	13	0.46095935
ENSG00000145287	4	PLAC8	84011201	rs4693595	4	84186158	T	C	0.684891	-0.0108085	0.00923585	0.241889	0.516406	0.0926774	2.52E-08	-0.0209302	0.0182751	0.2520892	0.7654601	5	0.74711929
ENSG00000163629	4	PTPN13	87515468	rs71605617	4	87699665	G	A	0.11332	0.00137347	0.014646	0.925286	-0.839457	0.138078	1.20E-09	-0.0016361	0.0174491	0.9252945	0.7804993	7	0.98666978
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	0.939104	0.0943488	2.43E-23	-0.0144854	0.00883691	0.1011731	0.1918521	17	0.6086128
ENSG00000138722	4	MMRN1	90800683	rs116370523	4	90846066	A	G	0.0407555	0.00868592	0.0189722	0.647079	1.83891	0.241598	2.71E-14	0.00472341	0.0103357	0.6476728	0.8906364	14	0.91901406
ENSG00000254531	4	AP001816.1	102268937	rs3789753	4	102220884	A	G	0.0795229	0.00361635	0.0178713	0.839639	-0.495665	0.0842704	4.06E-09	-0.007296	0.0360765	0.8397326	0.3291134	20	0.9711827
ENSG00000138777	4	PPA2	106290234	rs1994636	4	106362011	G	A	0.590457	-0.0078513	0.00806384	0.330232	0.342041	0.0616407	2.87E-08	-0.0229544	0.0239358	0.3375609	0.8782452	6	0.81687335
ENSG00000109534	4	GAR1	110736666	rs34221791	4	110801188	C	G	0.666004	-0.001025	0.00851538	0.904192	0.497456	0.0867483	9.78E-09	-0.0020604	0.0171216	0.9042126	0.04433597	9	0.98318933
ENSG00000138658	4	C4orf21	113460492	rs62314757	4	113434044	T	C	0.133201	0.0314463	0.011886	0.00815305	0.664145	0.10749	6.47E-10	0.0473485	0.0194684	0.01501253	0.02805038	8	0.36968705
ENSG00000245958	4	RP11-33B1.1	120375946	rs202019903	4	120344304	C	T	0.121272	-0.0155123	0.00936955	0.0978003	-0.807768	0.120407	1.96E-11	0.0192039	0.0119473	0.1079703	0.9449592	17	0.6086128
ENSG00000164111	4	ANXA5	122589110	rs35317464	4	122609158	T	C	0.314115	0.00481802	0.00901091	0.592865	-0.525623	0.067863	9.53E-15	-0.0091663	0.0171841	0.5937443	0.6242563	8	0.90323518
ENSG00000151470	4	C4orf33	130014472	rs530686	4	130039884	G	A	0.590457	-0.0057054	0.00826942	0.490232	-0.535576	0.0892539	1.97E-09	0.0106528	0.015542	0.4930766	0.7845173	12	0.87284554
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.97524	0.10808	1.83E-19	-0.0096549	0.0146231	0.509094	0.2767122	11	0.87828611
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.10494	0.140818	4.27E-15	-0.0085216	0.0129177	0.5094593	0.3238139	8	0.87828611
ENSG00000251600	4	RP11-673E1.1	144833484	rs9993659	4	144995863	G	A	0.408549	0.00387169	0.00820819	0.63715	-0.806653	0.108789	1.22E-13	-0.0047997	0.0101962	0.6378302	0.9958119	12	0.91901406
ENSG00000164144	4	ARFIP1	153701089	rs60511360	4	153823366	A	G	0.397614	0.00059098	0.00808422	0.941724	0.37854	0.0692027	4.50E-08	0.00156122	0.0213582	0.941729	0.4039503	6	0.99049818
ENSG00000248429	4	RP11-597D13.9	159091904	rs12648410	4	159094786	C	T	0.851889	-0.0127427	0.011068	0.249605	0.835212	0.120536	4.23E-12	-0.0152568	0.0134334	0.2560656	0.6598572	5	0.74711929
ENSG00000171503	4	ETFDH	159593277	rs3210749	4	159588731	C	A	0.506958	0.00782187	0.00809754	0.334066	0.415164	0.0728031	1.18E-08	0.0188404	0.0197823	0.3408995	0.4587173	3	0.81912247
ENSG00000273449	4	RP11-218F10.3	164450923	rs6536735	4	164467576	T	C	0.589463	-0.0007232	0.00841549	0.93152	-0.794642	0.109429	3.82E-13	0.00091006	0.010591	0.9315244	0.1326965	14	0.98751263
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.462225	0.062585	1.52E-13	0.00040434	0.0177195	0.9817945	0.7675507	8	0.99485704
ENSG00000248174	4	RP11-148L24.1	175015811	rs75632645	4	175040059	C	T	0.105368	0.017567	0.0137513	0.201435	1.37127	0.172524	1.89E-15	0.0128108	0.0101568	0.2072036	0.5344336	8	0.72301278
ENSG00000249106	4	RP11-806K15.1	176711458	rs78640136	4	176721419	G	A	0.0447316	0.0536789	0.0178709	0.0026671	-1.46321	0.233216	3.52E-10	-0.0366857	0.013541	0.00674399	0.4088979	6	0.29586519
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.506255	0.0774114	6.16E-11	-0.0099717	0.01638	0.5426773	0.4910123	5	0.88620808
ENSG00000109775	4	UFSP2	186320694	rs2289720	4	186347055	A	G	0.710736	-0.0167689	0.0095778	0.0799779	0.915196	0.0960916	1.66E-21	-0.0183227	0.0106407	0.08507744	0.7197924	14	0.59196201
ENSG00000109794	4	FAM149A	187025573	rs4241814	4	187093018	T	G	0.599404	-0.0040934	0.0080608	0.611581	0.49528	0.0640261	1.03E-14	-0.0082649	0.0163103	0.6123461	0.3688856	15	0.91515461
ENSG00000180104	5	EXOC3	443273	rs957791	5	430217	T	C	0.468191	0.0210534	0.00810507	0.00938901	-0.735556	0.100956	3.20E-13	-0.0286224	0.0116983	0.01441657	0.7334921	20	0.36968705
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.825022	0.0884601	1.09E-20	0.00405959	0.0107818	0.7065276	0.1256361	20	0.92595657
ENSG00000066230	5	SLC9A3	473425	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.626666	0.0914098	7.10E-12	0.00534455	0.0142043	0.7067215	0.16037	13	0.92595657
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.17693	0.0989796	1.32E-32	0.00346489	0.00711434	0.6262379	0.7384251	20	0.91877428
ENSG00000250490	5	CTD-2324F15.2	6310554	rs11957437	5	6396626	T	C	0.282306	0.0130112	0.00950445	0.171012	-0.595881	0.0974296	9.59E-10	-0.0218352	0.0163449	0.181581	0.0670406	10	0.68980492
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-0.849045	0.0789768	5.89E-27	-0.0006943	0.0095852	0.9422534	0.5465239	15	0.99049818
ENSG00000250060	5	RP11-332J15.2	6868672	rs12513764	5	6865801	A	G	0.331014	-0.0115661	0.00939971	0.218518	-0.77709	0.121086	1.38E-10	0.0148839	0.0123164	0.2268695	0.4877713	5	0.73665747
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.387735	0.0598894	9.53E-11	-0.0124449	0.0211453	0.5561672	0.523653	10	0.8863058
ENSG00000250786	5	SNHG18	9546312	rs59758866	5	9546372	G	C	0.300199	-0.0004098	0.0098573	0.966837	-0.723656	0.0953337	3.18E-14	0.00056632	0.0136217	0.9668376	0.7922011	6	0.99248639
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.871404	0.130562	2.49E-11	-0.0058303	0.00992894	0.557069	0.8980421	7	0.8863058
ENSG00000271892	5	CTD-2228A4.1	17107469	rs632754	5	17145142	A	G	0.34493	-0.0007489	0.00880559	0.932227	0.66533	0.106362	3.97E-10	-0.0011255	0.0132361	0.9322332	0.4292715	9	0.98751263
ENSG00000183666	5	GUSBP1	21341942	rs191085321	5	21408413	T	C	0.0188867	-0.114481	0.0387698	0.00314862	1.82327	0.255136	8.92E-13	-0.0627888	0.0230076	0.0063518	0.04056673	15	0.29586519
ENSG00000272130	5	RP11-360I2.1	21569864	rs75158803	5	21573069	G	A	0.140159	-0.0228409	0.0139964	0.102698	1.178	0.182051	9.75E-11	-0.0193896	0.0122535	0.1135662	0.2623241	6	0.6086128
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-0.929592	0.141653	5.29E-11	-0.0092995	0.010508	0.3761638	0.3104852	5	0.8356628
ENSG00000242110	5	AMACR	33986283	rs10941112	5	34004707	T	C	0.503976	-0.0141563	0.00810468	0.0806938	0.639193	0.079521	9.13E-16	-0.0221471	0.0129755	0.08785029	0.944988	20	0.59196201
ENSG00000155542	5	SETD9	56205087	rs185220	5	56205357	G	A	0.837972	-0.0059765	0.0106623	0.575119	1.07884	0.114204	3.50E-21	-0.0055397	0.0099005	0.5757924	0.1651437	20	0.89548921
ENSG00000113593	5	PPWD1	64859063	rs27394	5	64965757	A	G	0.61829	0.0053406	0.00841117	0.525466	-0.530673	0.0790148	1.87E-11	-0.0100638	0.0159207	0.5273066	0.6839995	12	0.87918067
ENSG00000253203	5	GUSBP3	68790040	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.881329	0.10879	5.44E-16	-0.0090981	0.0122171	0.4564503	0.4540034	4	0.86360679
ENSG00000226259	5	GTF2H2B	69711179	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.02385	0.124028	1.52E-16	-0.0078317	0.0105148	0.4563801	0.03337828	6	0.86360679
ENSG00000253333	5	RP11-497H16.8	69790927	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.896472	0.0995754	2.20E-19	-0.0089445	0.0120011	0.4560879	0.02923356	7	0.86360679
ENSG00000172058	5	SERF1A	70196492	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.833409	0.125079	2.68E-11	-0.0096213	0.0129457	0.457358	0.08925487	4	0.86360679
ENSG00000145736	5	GTF2H2	70330784	rs59966095	5	70665606	T	C	0.616302	-0.0061149	0.00864302	0.479261	-0.671633	0.117883	1.22E-08	0.00910448	0.0129675	0.4826169	0.02777034	3	0.86360679
ENSG00000230847	5	RP11-195E2.1	70370052	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.725573	0.113674	1.74E-10	0.0276832	0.0133123	0.03757	0.06671817	3	0.46095935
ENSG00000157111	5	TMEM171	72416119	rs481619	5	72412602	A	G	0.315109	0.0159416	0.00931064	0.086862	0.769586	0.109684	2.28E-12	0.0207145	0.0124533	0.09623619	0.7085403	7	0.6086128
ENSG00000164346	5	NSA2	74062817	rs72764669	5	74112835	C	G	0.137177	-0.0152667	0.0125999	0.225644	1.22775	0.124574	6.49E-23	-0.0124347	0.0103399	0.2291318	0.04787388	8	0.73698899
ENSG00000228716	5	DHFR	79922047	rs28027	5	80052803	T	C	0.741551	-0.0058909	0.00968527	0.543035	0.589764	0.0799508	1.62E-13	-0.0099885	0.016478	0.5444007	0.9548559	16	0.88620808
ENSG00000247572	5	CKMT2-AS1	80499903	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	0.943898	0.132474	1.04E-12	-0.0145375	0.0108774	0.1813899	0.5773915	11	0.68980492
ENSG00000248794	5	CTD-2248H3.1	80538149	rs4704712	5	80544322	C	T	0.193837	-0.0113524	0.00988687	0.250875	0.853808	0.135354	2.83E-10	-0.0132962	0.01177	0.2586165	0.5959165	8	0.74711929
ENSG00000186468	5	RPS23	81569177	rs6894520	5	81594748	T	C	0.299205	0.00526538	0.00872416	0.546149	-0.590422	0.0759331	7.51E-15	-0.008918	0.0148206	0.5473538	0.718343	20	0.88620808
ENSG00000205464	5	ATP6AP1L	81575281	rs6894520	5	81594748	T	C	0.299205	0.00526538	0.00872416	0.546149	0.915322	0.0979969	9.60E-21	0.00575249	0.00955112	0.5469851	0.7454368	20	0.88620808
ENSG00000249664	5	CTD-2227C6.2	82308104	rs40214	5	82296178	T	C	0.5	-0.0061104	0.00812364	0.451944	-0.74164	0.118974	4.56E-10	0.00823908	0.0110331	0.4552072	0.1393183	8	0.86360679
ENSG00000247828	5	TMEM161B-AS1	87564712	rs6452782	5	87672704	G	A	0.256461	0.0210878	0.00892491	0.0181372	0.629577	0.0881975	9.45E-13	0.0334952	0.0149325	0.02488952	0.09603914	7	0.42056674
ENSG00000271904	5	CTC-498M16.4	87729709	rs7737179	5	87795525	A	G	0.254473	-0.0085565	0.0106311	0.420901	0.665824	0.093518	1.08E-12	-0.012851	0.0160685	0.4238473	0.02407488	15	0.86360679
ENSG00000198677	5	TTC37	94799599	rs17084867	5	94847945	C	A	0.177932	0.00308641	0.0124364	0.803999	0.726922	0.0916139	2.11E-15	0.00424586	0.0171167	0.8040925	0.3205609	13	0.9565057
ENSG00000153113	5	CAST	95860971	rs4267886	5	95997266	C	T	0.151093	0.0144531	0.0116838	0.216078	0.485192	0.0674046	6.10E-13	0.0297884	0.0244338	0.2227876	0.4519414	9	0.73186265
ENSG00000164307	5	ERAP1	96096521	rs13160562	5	96111371	A	G	0.327038	-0.0144342	0.00906573	0.111345	-0.60031	0.0762132	3.36E-15	0.0240446	0.0154072	0.1186162	0.3786533	20	0.62526369
ENSG00000164308	5	ERAP2	96211643	rs2910686	5	96252589	C	T	0.426441	-0.0051338	0.00809615	0.526017	0.971011	0.0711398	2.04E-42	-0.005287	0.00834685	0.526463	0.1392642	20	0.87918067
ENSG00000113396	5	SLC27A6	127873706	rs2577539	5	128301211	G	A	0.631213	-0.0154811	0.00828492	0.0616794	-0.61295	0.0914837	2.08E-11	0.0252567	0.0140323	0.07187632	0.5766709	17	0.56532704
ENSG00000233006	5	AC034220.3	131646978	rs272842	5	131656517	G	A	0.584493	0.00582512	0.00807028	0.470418	0.764876	0.0896612	1.45E-17	0.00761577	0.0105888	0.4719998	0.7652453	20	0.86360679
ENSG00000197536	5	C5orf56	131746328	rs7719499	5	131814091	G	C	0.335984	0.00268481	0.00863997	0.755995	-0.414176	0.069438	2.45E-09	-0.0064823	0.0208889	0.756316	0.622199	7	0.9350982
ENSG00000164615	5	CAMLG	134074191	rs60191893	5	134080856	A	G	0.133201	0.00508378	0.0101829	0.617605	1.0498	0.102241	9.84E-25	0.00484262	0.00971131	0.6180206	0.7756165	15	0.91768615
ENSG00000270021	5	CTC-203F4.2	134734970	rs7730870	5	134764990	G	A	0.923459	-0.0055465	0.0157988	0.725533	0.582443	0.0989639	3.97E-09	-0.0095229	0.0271733	0.7260011	0.6301254	12	0.92595657
ENSG00000253404	5	AC034243.1	138080123	rs13188082	5	138251689	A	G	0.270378	0.0287092	0.00867935	0.00094046	1.06867	0.118853	2.44E-19	0.0268644	0.00865376	0.00190689	0.7989032	20	0.23099793
ENSG00000254333	5	CTC-367J11.1	149855094	rs3846703	5	149857460	T	C	0.0725646	0.0225751	0.014915	0.130131	1.58705	0.208605	2.79E-14	0.0142246	0.00958212	0.1376789	0.9110372	7	0.65469687
ENSG00000197083	5	ZNF300P1	150310207	rs12659118	5	150324622	C	T	0.115308	0.0160302	0.0132866	0.227629	1.523	0.176007	5.01E-18	0.0105254	0.00880836	0.2321126	0.03478346	16	0.73698899
ENSG00000123643	5	SLC36A1	150816607	rs10060628	5	150804542	G	A	0.227634	0.0107283	0.00890859	0.228488	0.523062	0.0925971	1.62E-08	0.0205106	0.0174144	0.2388777	0.408269	6	0.73847444
ENSG00000260581	5	CTB-113P19.4	151031836	rs357618	5	150846612	G	A	0.385686	0.00048785	0.00828597	0.95305	0.651724	0.0982325	3.26E-11	0.00074856	0.0127144	0.9530518	0.69228	19	0.99049818
ENSG00000213433	5	RP11-54C4.1	151145420	rs72802204	5	151183183	C	T	0.263419	-0.0280587	0.00873133	0.00131096	-0.685866	0.104121	4.48E-11	0.0409099	0.0141645	0.0038745	0.7196265	7	0.25465421
ENSG00000251405	5	CTB-109A12.1	156789623	rs11466776	5	156926534	T	C	0.0904573	0.010961	0.0138311	0.428074	1.1463	0.136095	3.68E-17	0.00956207	0.0121192	0.4301093	0.5540414	15	0.86360679
ENSG00000118322	5	ATP10B	159990127	rs149126334	5	160303970	G	A	0.832008	0.0117369	0.011565	0.310172	-0.348672	0.0632316	3.50E-08	-0.0336617	0.0337258	0.3182307	0.6719293	8	0.7975132
ENSG00000113734	5	BNIP1	172571445	rs112356729	5	172544816	T	C	0.11829	-0.0067189	0.0131135	0.608396	-0.696332	0.123729	1.82E-08	0.00964896	0.0189101	0.609874	0.2697475	5	0.91246275
ENSG00000051596	5	THOC3	175344876	rs56033051	5	175343491	C	T	0.192843	-0.0143385	0.0102534	0.161988	0.700657	0.0943132	1.09E-13	-0.0204644	0.014891	0.1693551	0.3763458	3	0.67415399
ENSG00000248469	5	RP11-826N14.2	175476681	rs531828844	5	175511643	G	T	0.0815109	0.00136317	0.0148978	0.927094	-0.688982	0.110358	4.29E-10	-0.0019785	0.0216252	0.927102	0.9208034	3	0.98666978
ENSG00000272459	5	RP11-1277A3.3	176981825	rs2012849	5	177155669	A	G	0.550696	0.00789288	0.0081112	0.330511	-0.612868	0.105338	5.95E-09	-0.0128786	0.0134187	0.3371795	0.1165423	13	0.81687335
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.765039	0.0740806	5.31E-25	0.01878	0.0109443	0.08616852	0.4353762	19	0.59196201
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	1.04599	0.103304	4.27E-24	0.0157677	0.00817994	0.05390367	0.4648211	20	0.53510213
ENSG00000170089	5	RP11-423H2.1	177236408	rs62399492	5	177269771	C	G	0.39662	0.00830019	0.00822332	0.312808	0.656108	0.116982	2.04E-08	0.0126506	0.0127348	0.3205201	0.8415393	4	0.7975132
ENSG00000218227	5	RP11-889L3.1	177482605	rs12518640	5	177430041	G	A	0.50497	-0.0030536	0.00808328	0.705606	-0.471753	0.0830119	1.32E-08	0.00647282	0.0171724	0.7062242	0.4550523	5	0.92595657
ENSG00000161010	5	C5orf45	179261436	rs10277	5	179264731	C	T	0.518887	-0.0154053	0.0082913	0.0631684	-0.550727	0.081298	1.25E-11	0.0279727	0.0156112	0.07315997	0.6899772	13	0.56532704
ENSG00000197226	5	TBC1D9B	179289066	rs272441	5	179301260	G	A	0.884692	-0.0021476	0.0151594	0.887341	1.10193	0.137341	1.03E-15	-0.001949	0.0137593	0.8873577	0.6016812	13	0.98318933
ENSG00000248275	5	TRIM52-AS1	180688213	rs2545073	5	180710261	C	T	0.270378	0.00594065	0.0090054	0.509462	-0.843954	0.0827283	1.95E-24	-0.0070391	0.0106928	0.5103444	0.1899931	19	0.87828611
ENSG00000272463	6	RP11-532F6.3	708592	rs2244443	6	711150	C	A	0.707753	-0.006699	0.00912033	0.462634	0.822433	0.12156	1.33E-11	-0.0081454	0.0111546	0.4652531	0.3031358	12	0.86360679
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.34578	0.123909	1.77E-27	0.00637044	0.00739296	0.3888579	0.7450903	14	0.8356628
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.841695	0.120462	2.80E-12	-0.0031595	0.00976969	0.7463906	0.07671415	7	0.9268498
ENSG00000124588	6	NQO2	2988221	rs9392449	6	3001431	T	C	0.186879	1.32E-05	0.00967706	0.99891	-0.718157	0.121531	3.44E-09	-1.84E-05	0.0134749	0.9989101	0.6628786	6	0.99964513
ENSG00000272277	6	RP1-40E16.12	3068279	rs12663589	6	3069057	T	C	0.544732	-0.0014399	0.00827713	0.861898	-0.922179	0.136469	1.40E-11	0.00156138	0.0089786	0.861944	0.4648139	7	0.97686987
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	0.780108	0.102785	3.21E-14	0.00461141	0.0130973	0.7247714	0.0883972	4	0.92595657
ENSG00000228793	6	RP1-223B1.1	3594481	rs226967	6	3720283	A	G	0.667992	0.00948489	0.00877835	0.279925	0.634854	0.0895106	1.32E-12	0.0149403	0.0139869	0.2854471	0.09278322	8	0.76569636
ENSG00000124784	6	RIOK1	7389729	rs2764077	6	7357849	A	G	0.385686	0.00773823	0.00834654	0.353865	-0.71874	0.107913	2.73E-11	-0.0107664	0.0117247	0.3584803	0.9390892	20	0.83557563
ENSG00000050393	6	MCUR1	13786789	rs6904811	6	13777936	A	G	0.33002	0.0182208	0.0083637	0.029365	0.460785	0.0695231	3.41E-11	0.039543	0.0191064	0.03848798	0.5534646	6	0.46095935
ENSG00000124532	6	MRS2	24403153	rs6920147	6	24413457	G	A	0.353877	-0.0153467	0.00820251	0.0613479	0.60743	0.0877825	4.53E-12	-0.025265	0.0139885	0.07089953	0.5683457	9	0.56532704
ENSG00000272462	6	U91328.19	25992890	rs10484432	6	26008876	A	G	0.210736	0.00816535	0.00927394	0.378609	-0.716128	0.114149	3.53E-10	-0.0114021	0.013077	0.3832537	0.07153506	20	0.8356628
ENSG00000186470	6	BTN3A2	26365387	rs9393703	6	26356951	C	T	0.112326	-0.0691409	0.0145391	1.98E-06	-1.04411	0.124074	3.92E-17	0.0662199	0.0159945	3.47E-05	0.02576465	20	0.04719853
ENSG00000124508	6	BTN2A2	26383324	rs1624064	6	26378681	C	T	0.473161	-0.0056535	0.00811314	0.485911	0.567078	0.0905008	3.70E-10	-0.0099694	0.0143951	0.4885876	0.02024873	8	0.86973709
ENSG00000181315	6	ZNF322	26636518	rs3800303	6	26598188	G	A	0.378728	0.0165298	0.00842072	0.0496478	-0.493354	0.0792094	4.71E-10	-0.0335049	0.0178959	0.0611775	0.00453893	16	0.55465399
ENSG00000124613	6	ZNF391	27342394	rs4455661	6	27373130	C	T	0.740557	-0.0095003	0.00832515	0.253804	0.566503	0.0866343	6.19E-11	-0.0167701	0.0149178	0.2609424	0.2871704	8	0.74711929
ENSG00000219392	6	RP1-265C24.5	28083406	rs4713135	6	28039586	A	G	0.197813	-0.0344767	0.0103428	0.00085787	-0.490316	0.0896781	4.56E-08	0.0703153	0.0247054	0.00442515	0.1036132	5	0.25465421
ENSG00000216901	6	AL022393.7	28143966	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	1.08205	0.0994829	1.49E-27	-0.0201444	0.0083513	0.01585953	0.00025016	20	0.36968705
ENSG00000235109	6	ZSCAN31	28292470	rs213238	6	28321993	C	T	0.363817	-0.0286459	0.0086988	0.00099092	0.735999	0.116277	2.46E-10	-0.0389211	0.0133229	0.00348497	0.308969	20	0.25465421
ENSG00000181126	6	HLA-V	29758731	rs58099508	6	30046682	T	C	0.082505	0.00826552	0.0225842	0.714375	0.966415	0.172353	2.06E-08	0.00855276	0.0234188	0.7149549	0.6760301	17	0.92595657
ENSG00000230521	6	HCG4P7	29855071	rs9260639	6	29923423	T	C	0.159046	-0.0013595	0.0121516	0.910922	-0.886027	0.132763	2.49E-11	0.00153434	0.0137166	0.9109343	0.2694383	20	0.98318933
ENSG00000206341	6	HLA-H	29855350	rs72845136	6	29916971	T	C	0.116302	-0.0143877	0.0138942	0.300428	0.924204	0.168282	3.97E-08	-0.0155677	0.0152986	0.3088737	0.7957148	14	0.79108895
ENSG00000230795	6	HLA-K	29894236	rs2247504	6	29819077	A	G	0.392644	0.00079576	0.00860228	0.926296	-0.927649	0.109268	2.07E-17	-0.0008578	0.00927376	0.9263004	0.01258903	20	0.98666978
ENSG00000206503	6	HLA-A	29909037	rs2517695	6	29927629	A	G	0.186879	0.0216422	0.0110989	0.0511835	-0.596132	0.107199	2.68E-08	-0.0363044	0.0197296	0.0657539	0.2269073	8	0.56532704
ENSG00000235290	6	HLA-W	29924373	rs17179851	6	29924440	C	T	0.130219	-0.0133705	0.0135074	0.32224	1.11418	0.176425	2.70E-10	-0.0120003	0.0122712	0.3281114	0.8592197	19	0.80402073
ENSG00000204623	6	ZNRD1-AS1	29968788	rs1633097	6	29784192	G	C	0.39662	-0.0082968	0.00857017	0.332991	-0.485482	0.0738914	5.02E-11	0.0170899	0.0178435	0.3381811	0.6786016	20	0.8169206
ENSG00000237669	6	HCG4P3	29973898	rs9261113	6	29976842	G	T	0.129225	0.0194521	0.0139902	0.164404	-0.770004	0.137558	2.17E-08	-0.0252623	0.0187211	0.1772072	0.9809849	18	0.68584723
ENSG00000204622	6	HLA-J	29974360	rs9260492	6	29920422	C	T	0.55169	0.00927443	0.00813611	0.254324	0.7397	0.103557	9.14E-13	0.0125381	0.0111384	0.260307	0.4350454	20	0.74711929
ENSG00000228022	6	HCG20	30734602	rs7740474	6	30760948	G	A	0.431412	0.00283087	0.0086631	0.743839	-0.828971	0.10606	5.45E-15	-0.0034149	0.0104596	0.7440551	0.04062663	20	0.9268498
ENSG00000137411	6	VARS2	30876019	rs753726	6	30890569	T	G	0.355865	-0.0099565	0.00827774	0.229051	0.659448	0.0786413	5.05E-17	-0.0150983	0.012681	0.2338025	0.03548467	19	0.73698899
ENSG00000204540	6	PSORS1C1	31082527	rs3094216	6	31084048	G	A	0.187873	-0.0279863	0.0115267	0.0151841	-0.859428	0.143467	2.09E-09	0.0325639	0.0144718	0.02443895	0.943016	5	0.42056674
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	0.932499	0.153932	1.38E-09	0.00314302	0.0119572	0.7926623	0.9753265	12	0.95316662
ENSG00000204531	6	POU5F1	31132119	rs1264354	6	30784339	C	G	0.308151	-0.0063214	0.008423	0.452961	-0.668947	0.116335	8.92E-09	0.00944972	0.0126982	0.4567698	0.3622821	6	0.86360679
ENSG00000272501	6	Xbac-BPG299F13.	31162977	rs9357111	6	31147916	T	C	0.385686	0.00993767	0.00806283	0.217752	-0.553284	0.0843438	5.39E-11	-0.0179612	0.0148277	0.2257679	0.7580213	20	0.73631737
ENSG00000204525	6	HLA-C	31236526	rs2524105	6	31232910	C	G	0.409543	0.0111684	0.00811638	0.168813	-0.736003	0.0846836	3.59E-18	-0.0151744	0.011165	0.1741138	0.3859298	20	0.68334428
ENSG00000272221	6	Xbac-BPG181B23.	31362066	rs372378805	6	31363745	A	C	0.289264	-0.0065469	0.00871263	0.452399	-0.916067	0.106545	8.12E-18	0.00714669	0.00954716	0.454118	0.09158273	20	0.86360679
ENSG00000204520	6	MICA	31371356	rs9469008	6	31409102	G	T	0.314115	-0.0073506	0.00848903	0.386552	-0.769847	0.0859829	3.44E-19	0.00954807	0.0110784	0.3887607	0.3750736	20	0.8356628
ENSG00000204463	6	BAG6	31606805	rs2261033	6	31603591	G	A	0.512922	0.00703331	0.00820006	0.391051	0.547772	0.0906412	1.51E-09	0.0128398	0.0151199	0.3957677	0.01352044	7	0.83578272
ENSG00000204428	6	LY6G5C	31644461	rs1266073	6	31667028	A	C	0.297217	-0.0199677	0.00827981	0.0158818	-0.88891	0.120666	1.75E-13	0.0224631	0.00980098	0.02190993	0.01609362	20	0.40266898
ENSG00000204351	6	SKIV2L	31926857	rs389512	6	31947594	C	G	0.141153	0.0286202	0.0154248	0.0635287	0.721405	0.123793	5.63E-09	0.0396729	0.0224393	0.07705896	0.8420124	3	0.57842988
ENSG00000244731	6	C4A	31949801	rs3129966	6	32381280	C	G	0.0785288	-0.0335448	0.0137294	0.0145546	-0.80572	0.128012	3.09E-10	0.0416333	0.0182788	0.02274507	0.7240428	20	0.41035101
ENSG00000204338	6	CYP21A1P	31973413	rs2854275	6	32628428	A	C	0.10338	-0.0352995	0.0135086	0.00897222	-0.993395	0.141304	2.06E-12	0.0355342	0.0145074	0.01431012	0.8365002	20	0.36968705
ENSG00000198502	6	HLA-DRB5	32485120	rs35083819	6	32526526	G	A	0.852883	-0.0208016	0.0113742	0.0674249	-1.26951	0.112155	1.05E-29	0.0163855	0.00907571	0.07100782	0.3172105	20	0.56532704
ENSG00000229391	6	HLA-DRB6	32520490	rs9271398	6	32587508	C	T	0.299205	-0.0022465	0.00935541	0.810228	0.773656	0.0825488	7.11E-21	-0.0029038	0.0120964	0.8102884	0.7227469	20	0.9590881
ENSG00000196126	6	HLA-DRB1	32546546	rs9271435	6	32588069	T	C	0.387674	0.00655448	0.00840774	0.43564	-0.332294	0.0506696	5.45E-11	-0.0197249	0.0254803	0.4388559	0.4005179	20	0.86360679
ENSG00000179344	6	HLA-DQB1	32627244	rs17843610	6	32620529	C	T	0.411531	-0.0061711	0.00809916	0.446096	-0.786581	0.0749005	8.49E-26	0.00784544	0.0103237	0.4472893	1	20	0.86360679

ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs9273394	6	32627082	G	A	0.685885	-0.0262869	0.00894415	0.00329261	-0.723449	0.111146	7.56E-11	0.0363355	0.0135651	0.00739289	0.1526132	20	0.30020403
ENSG00000237541	6	HLA-DQA2	32709119	rs9272358	6	32604538	A	G	0.370775	-0.0062262	0.00858014	0.46805	0.897927	0.0962436	1.06E-20	-0.006934	0.00958436	0.4693913	0.9854114	20	0.86360679
ENSG00000232629	6	HLA-DQB2	32723875	rs9273407	6	32627211	C	T	0.499006	-0.0054799	0.0080667	0.496935	0.759218	0.0900731	3.49E-17	-0.0072178	0.0106595	0.498327	1	20	0.8733566
ENSG00000241106	6	HLA-DOB	32780540	rs241448	6	32796685	G	A	0.276342	-0.0200915	0.00858386	0.0192517	-0.808352	0.12343	5.79E-11	0.0248549	0.0112768	0.02751886	0.3152136	19	0.43607365
ENSG00000196821	6	C6orf106	34555065	rs6907508	6	34592090	G	A	0.101392	-0.0208612	0.0102027	0.0408865	0.426373	0.0687607	5.62E-10	-0.0489271	0.0251964	0.05215766	0.2643593	5	0.52544013
ENSG00000124562	6	SNRPC	34725183	rs6937784	6	34644276	G	T	0.33499	-0.0071455	0.00856896	0.404351	-0.444512	0.0669182	3.08E-11	0.0160748	0.0194285	0.4080205	0.04366395	7	0.85108571
ENSG00000065060	6	UHRF1BP1	34759857	rs7751664	6	34681188	A	G	0.800199	0.00672411	0.0091058	0.460245	-0.491718	0.0751899	6.17E-11	-0.0136747	0.018636	0.4630832	0.281364	11	0.86360679
ENSG00000246982	6	RP1-179N16.6	36114475	rs2859135	6	36114703	T	C	0.637177	-0.0149821	0.00919647	0.103288	-0.558872	0.0901908	5.77E-10	0.0268077	0.0170146	0.1151244	0.6156745	3	0.60921861
ENSG00000161912	6	ADCY10P1	41068761	rs62396348	6	41113528	G	T	0.132207	0.00932999	0.0136151	0.493176	0.745035	0.107191	3.64E-12	0.0125229	0.018363	0.4952634	0.9663464	7	0.87284554
ENSG00000112599	6	GUCA1B	42152139	rs13197564	6	42184400	T	C	0.637177	0.00399486	0.00886038	0.652085	0.515762	0.0926462	2.59E-08	0.00774555	0.0172355	0.6531458	0.01664778	5	0.91901406
ENSG00000112619	6	PRPH2	42664340	rs13214506	6	42672574	A	G	0.256461	-0.011786	0.00938047	0.208955	0.788576	0.0830544	2.21E-21	-0.0149459	0.0119992	0.212918	0.08599831	15	0.72301278
ENSG00000124713	6	GNMT	42928496	rs2296804	6	42931261	G	C	0.588469	0.00247486	0.00811008	0.760246	-1.03581	0.101581	2.05E-24	-0.0023893	0.0078332	0.7603494	0.742431	18	0.9366623
ENSG00000124587	6	PEX6	42931608	rs9986447	6	42942779	G	A	0.459245	-0.0003573	0.00832962	0.965787	0.677432	0.0808599	5.39E-17	-0.0005274	0.012296	0.9657873	0.970729	20	0.99248639
ENSG00000231769	6	RP1-8B1.4	46064830	rs5011271	6	46142439	A	G	0.636183	0.0258984	0.00832357	0.00186174	-0.582791	0.0954601	1.03E-09	-0.0444386	0.0160302	0.00556814	0.5561425	8	0.27045232
ENSG00000153291	6	SLC25A27	46620678	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	0.684667	0.0882006	8.32E-15	0.0344074	0.0137671	0.01244563	0.8059142	15	0.36968705
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.686905	0.0929374	1.46E-13	-0.0342953	0.0137953	0.01291861	0.4760218	8	0.36968705
ENSG00000031691	6	CENPQ	49431091	rs2448701	6	49459282	G	A	0.686879	-9.77E-05	0.00846189	0.990783	0.483938	0.0870141	2.67E-08	-0.000202	0.0174855	0.9907834	0.08236009	5	0.99583439
ENSG00000151917	6	BEND6	56819773	rs34703235	6	56876041	A	G	0.242545	0.00156749	0.00869268	0.856899	-0.547267	0.0630683	4.05E-18	-0.0028642	0.0158872	0.8569296	0.5322827	17	0.974435
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs4928441	6	58169503	G	A	0.712724	0.001982	0.00874442	0.820689	0.470752	0.0718645	5.73E-11	0.00421028	0.0185865	0.8207945	0.9810389	13	0.96467842
ENSG00000215190	6	LINC00680	58272352	rs62414284	6	58173939	T	C	0.261431	-0.0018132	0.00953302	0.849149	-1.05861	0.119893	1.05E-18	0.00171283	0.00900731	0.8491837	0.7691824	20	0.97248941
ENSG00000271967	6	RP11-134K13.4	71306141	rs6925112	6	71303798	A	G	0.383698	-0.0090708	0.00815759	0.26616	-0.562651	0.100216	1.97E-08	0.0161216	0.0147801	0.2753782	0.8222609	9	0.75782812
ENSG00000220563	6	PKMP3	86369610	rs9344563	6	86759985	A	C	0.130219	0.012356	0.0124174	0.31971	0.672385	0.119207	1.70E-08	0.0183764	0.0187529	0.3271238	0.03196998	12	0.80402073
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.646769	0.0569428	6.75E-30	0.0486389	0.0131521	0.00021716	0.8474501	20	0.10949627
ENSG00000083099	6	LYRM2	90277863	rs2768938	6	90436943	G	A	0.2167	-0.0142827	0.00958849	0.136338	0.401285	0.0684954	4.67E-09	-0.0355924	0.0246547	0.1488415	0.8453928	10	0.65927855
ENSG00000228506	6	RP11-98I9.4	99872798	rs4840044	6	99888013	G	A	0.493042	-0.0012041	0.00807225	0.881422	0.899764	0.0948466	2.39E-21	-0.0013383	0.00897263	0.8814367	0.3856789	15	0.98318933
ENSG00000219755	6	RP1-199J3.5	100023588	rs330818	6	100038843	T	C	0.807157	0.0101427	0.00879985	0.249074	0.948662	0.12733	9.30E-14	0.0106916	0.00938641	0.2546825	0.8886873	20	0.74711929
ENSG00000130348	6	QRSL1	107077453	rs2054365	6	107077502	A	G	0.383698	-0.0065645	0.00831098	0.429614	-0.821276	0.0993891	1.42E-16	0.00799299	0.0101657	0.43171	0.3922367	18	0.86360679
ENSG00000155085	6	AK9	109814059	rs12190372	6	110084534	A	G	0.371769	-0.0138302	0.00837958	0.0988462	-0.495541	0.0876812	1.59E-08	0.0279093	0.0176163	0.1131278	0.4755364	6	0.6086128
ENSG00000203797	6	DDO	110712974	rs13208728	6	110744421	C	T	0.420477	-0.0137743	0.00810499	0.0892278	0.413628	0.0673462	8.16E-10	-0.0333012	0.0203312	0.1014353	0.4394839	5	0.6086128
ENSG00000255389	6	C6orf3	111921078	rs9481169	6	111929862	T	G	0.105368	-0.0270014	0.0150236	0.0722936	-0.907325	0.145206	4.14E-10	0.0297593	0.0172294	0.08412507	0.5040311	6	0.59196201
ENSG00000203778	6	FAM229B	112408802	rs4947166	6	112424565	C	T	0.499006	0.00213845	0.0081114	0.792062	0.464267	0.0751536	6.51E-10	0.00460608	0.0174873	0.7922458	0.2528606	5	0.95316662
ENSG00000237742	6	RP11-624M8.1	125899704	rs9375411	6	126116953	G	A	0.49503	-0.0070903	0.00808501	0.380506	-0.594159	0.0794689	7.63E-14	0.0119333	0.0137008	0.3837582	0.8743178	17	0.8356628
ENSG00000118514	6	ALDH8A1	135238528	rs28384512	6	135376232	T	C	0.49006	0.00094989	0.00813813	0.907081	-0.610898	0.0831301	2.00E-13	-0.0015549	0.0133233	0.9070928	0.4249985	20	0.98318933
ENSG00000112339	6	HBS1L	135281516	rs4440481	6	135276696	C	T	0.424453	0.00070948	0.00806854	0.929931	-0.675308	0.0718462	5.49E-21	-0.0010506	0.0119485	0.9299343	0.243829	20	0.98751263
ENSG00000232876	6	CTA-212D2.2	135376171	rs7773126	6	135318390	G	A	0.492048	0.00088929	0.00813753	0.912979	-0.633826	0.108336	4.90E-09	-0.001403	0.012841	0.912994	0.591528	13	0.98318933
ENSG00000225177	6	RP11-390P2.4	139013685	rs11154992	6	139005556	A	G	0.359841	-0.0021533	0.00852259	0.800535	0.564735	0.0743481	3.06E-14	-0.0038129	0.0150997	0.8006432	0.5692738	20	0.95599188
ENSG00000055211	6	GINM1	149887430	rs2144207	6	149880107	C	T	0.362823	0.0138231	0.00822895	0.0929929	-0.465456	0.0840912	3.11E-08	-0.029698	0.0184755	0.1079621	0.4091775	13	0.6086128
ENSG00000231760	6	RP11-350J20.5	150117711	rs9505983	6	150023868	C	T	0.369781	0.0104406	0.00828808	0.207772	0.709112	0.116943	1.33E-09	0.0147235	0.0119375	0.2174345	0.7485168	13	0.72835202
ENSG00000203722	6	RAET1G	150238014	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	0.827704	0.117509	1.87E-12	0.00802017	0.00992986	0.4192733	0.3759151	20	0.86360679
ENSG00000112031	6	MTRF1L	153308497	rs7752197	6	153326846	T	C	0.696819	0.0293157	0.00901911	0.00115244	-0.791963	0.104007	2.65E-14	-0.0370165	0.0123825	0.002795	0.01290044	4	0.25465421
ENSG00000235381	6	RP11-477D19.2	155574273	rs13220615	6	155587709	G	T	0.572565	0.00981079	0.00811047	0.226415	-0.568042	0.0975483	5.77E-09	-0.0172712	0.0145827	0.23627	0.7570459	8	0.73698899
ENSG00000146453	6	PNLDC1	160221298	rs35872675	6	160229889	C	T	0.511928	0.0003899	0.00815479	0.961866	-0.812116	0.0920925	1.16E-18	-0.0004801	0.0100416	0.9618662	0.7520255	7	0.99049818
ENSG00000235994	6	RP3-470B24.5	168376604	rs3778670	6	168400266	T	C	0.149105	0.0202577	0.0103974	0.0513748	0.995045	0.172133	7.44E-09	0.0203586	0.0110267	0.06484951	0.05258263	12	0.56532704
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.701129	0.105438	2.94E-11	-0.0103461	0.0119961	0.3884383	0.1070292	20	0.8356628
ENSG00000125337	6	KIF25	168396921	rs3778670	6	168400266	T	C	0.149105	0.0202577	0.0103974	0.0513748	0.96785	0.175536	3.51E-08	0.0209306	0.0113938	0.06620637	0.7277464	7	0.56532704
ENSG00000223855	7	AC147651.3	560028	rs9770574	7	564581	A	G	0.17495	0.0080158	0.01051	0.44565	1.14385	0.11162	1.21E-24	0.00700774	0.00921368	0.4469082	0.9381773	9	0.86360679
ENSG00000146540	7	C7orf50	1036622	rs11977	7	1036944	C	G	0.0765408	-0.0181547	0.0156612	0.246368	0.595899	0.0823168	4.52E-13	-0.0304661	0.0266165	0.2523615	0.5101132	8	0.74711929
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.26471	0.099934	1.04E-36	-0.0056797	0.00665491	0.3934077	0.8753949	20	0.8356628
ENSG00000164880	7	INTS1	1509913	rs4720789	7	1504976	T	C	0.7167	0.0123546	0.00891673	0.165885	-0.541231	0.0807102	2.00E-11	-0.0228269	0.0168229	0.1748156	0.7665002	11	0.68334428
ENSG00000122674	7	CCZ1	5938356	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	0.810052	0.1382	4.59E-09	-0.0068829	0.0102302	0.5010739	0.7015441	3	0.87478884
ENSG00000122512	7	PMS2	6012870	rs55954143	7	6022629	A	G	0.05666	0.0150707	0.0136578	0.26983	-0.716376	0.108699	4.39E-11	-0.0210374	0.0193305	0.2764622	0.3971345	7	0.75782812
ENSG00000187953	7	PMS2CL	6749759	rs2079819	7	6060908	G	A	0.840954	-0.008371	0.0106313	0.431054	0.925946	0.138885	2.61E-11	-0.0090405	0.0115614	0.4342413	0.00240985	10	0.86360679
ENSG00000146574	7	CCZ1B	6833765	rs9691768	7	6886615	C	G	0.49006	-0.0058441	0.00823811	0.478076	-0.85103	0.12961	5.17E-11	0.00686711	0.0097365	0.4806259	0.7515591	3	0.86360679
ENSG00000106392	7	C1GALT1	7196565	rs11771259	7	7277215	G	C	0.119284	0.00617902	0.0112802	0.583846	0.708431	0.11037	1.37E-10	0.00872212	0.0159807	0.585209	0.4162901	15	0.89828921
ENSG00000215018	7	COL28A1	7395834	rs4720740	7	7614586	C	T	0.694831	0.0142842	0.00866382	0.0992065	0.466388	0.0835339	2.36E-08	0.0306273	0.0193694	0.1138284	0.9051395	5	0.6086128
ENSG00000237773	7	AC003075.4	17319458	rs4719497	7	17334899	C	T	0.124254	0.00291338	0.0126872	0.818378	1.20499	0.177886	1.25E-11	0.00241776	0.0105349	0.8184806	0.5293472	12	0.96375205
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-1.13875	0.133161	1.21E-17	0.0288257	0.0169025	0.08811759	0.00315059	7	0.59196201
ENSG00000230658	7	KLHL7-AS1	23140847	rs10256524	7	23144947	C	T	0.34493	-0.0024097	0.00867881	0.781279	1.09259	0.101874	7.77E-27	-0.0022055	0.007946	0.7813508	0.1360005	20	0.95087332
ENSG00000136235	7	GPNMB	23275586	rs858273	7	23294900	T	C	0.380716	0.0046481	0.00830082	0.575509	-0.80866	0.11903	1.09E-11	-0.0057479	0.0102997	0.5768004	0.4256708	20	0.89548921
ENSG00000188732	7	FAM221A	23719749	rs2191305	7	23723212	T	C	0.480119	0.0119243	0.0081011	0.141038	0.784442	0.0872584	2.48E-19	0.015201	0.0104647	0.1463366	0.1842053	20	0.65858471
ENSG00000196335	7	STK31	23749786	rs798645	7	23618026	T	G	0.652087	0.00387978	0.00891578	0.663447	0.546253	0.091572	2.44E-09	0.00710253	0.0163651	0.6642844	0.9000415	9	0.92192031
ENSG00000105928	7	DFNA5	24737972	rs2721811	7	24749429	G	A	0.421471	0.0296628	0.00805688	0.00023171	0.696028	0.0974374	9.11E-13	0.0426173	0.0130225	0.0010657	0.2533854	20	0.18091899
ENSG00000234336	7	JAZF1-AS1	28219941	rs10280937	7	28182306	C	T	0.0944334	-0.0255612	0.0151966	0.0925614	-0.602219	0.103036	5.07E-09	0.042445	0.0262585	0.1060016	0.1480623	3	0.6086128
ENSG00000272568	7	CTB-113D17.1	29019583	rs76335499	7	29039241	T	C	0.084493	0.00456232	0.0170198	0.788653	1.07435	0.144368	9.94E-14	0.00424659	0.0158522	0.7887872	0.897734	7	0.95316662
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-1.08286	0.0921628	7.11E-32	-0.0003148	0.00823895	0.9695213	0.2058675	20	0.99268816
ENSG00000244480	7	AC005154.7	30562759	rs2270007	7	30699972	C	G	0.831014	0.0140149	0.00981843	0.153463	-0.79952	0.124563	1.38E-10	-0.0175291	0.0125804	0.1635084	0.6462933	6	0.66920201
ENSG00000205763	7	RP9P	32956427	rs2893441	7	32961379	A	C	0.185885	-0.0050358	0.00977905	0.606585	-0.479967	0.0867902	3.20E-08	0.0104919	0.0204626	0.6081368	0.6855423	6	0.91199638
ENSG00000227191	7	TRGC2	38279181	rs2109364	7	38280817	A	G	0.454274	0.00311533	0.00806894	0.699431	-0.603145	0.074395	5.17E-16	-0.0051651	0.0133933	0.6997544	0.3064015	11	0.92595657
ENSG00000211688	7	TRGJP2	38295938	rs2893553	7	38301274	A	G	0.459245	0.00342507	0.00808147	0.671698	-0.594374	0.0929493	1.61E-10	-0.0057625	0.0136264	0.6723756	0.1492807	7	0.92192031
ENSG00000136197	7	C7orf25	42948325	rs590246	7	42968260	A	G	0.870775	-0.0076843	0.0162137	0.635545	-0.608054	0.11086	4.14E-08	0.0126375	0.0267643	0.6368002	0.4555493	8	0.91901406
ENSG00000122678	7	POLM	44111846	rs28712841	7	44085371	G	T	0.0984095	0.00638334	0.0128092	0.618244	0.583198	0.101628	9.55E-09	0.0109454	0.0220464	0.6195616	0.1847775	9	0.91768615
ENSG00000106628	7	POLD2	44154286	rs137888771	7	44182127	A	T	0.0119284	0.0571982	0.0519478	0.270866	-1.48464	0.213386	3.46E-12	-0.0385266	0.0354256	0.2767999	0.8992356	3	0.75782812
ENSG00000272556	7	RP11-638I8.1	45854201	rs56343934	7	45796482	C	A	0.177932	0.00974335	0.0118103	0.409378	-0.705691	0.101525	3.63E-12	-0.0138068	0.0168533	0.4126509	0.02637465	20	0.85680187
ENSG00000132436	7	FIGNL1	50511831	rs730092	7	50535754	G	C	0.555666	0.00078338	0.00806796	0.922648	0.565423	0.0684613	1.47E-16	0.00138548	0.0142699	0.9226538	0.0950814	20	0.98666978
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.28128	0.0916649	2.13E-44	0.0102059	0.0072627	0.159948	0.5891651	20	0.66449104
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.640436	0.0906317	1.59E-12	0.0204183	0.0147424	0.1660503	0.4742688	11	0.67210836
ENSG00000185290	7	NUPR1L	56182374	rs11238378	7	55827309	G	A	0.234592	0.0129146	0.00925772	0.163012	0.810484	0.107336	4.32E-14	0.0159344	0.0116158	0.1701274	0.7201179	11	0.67455762
ENSG00000197008	7	ZNF138	64254766	rs56785930	7	64307352	T	A	0.404573	0.00875484	0.00824939	0.288567	-0.695413	0.0924816	5.50E-14	-0.0125894	0.0119801	0.2933245	0.5713841	20	0.77747958
ENSG00000182722	7	SEPHS1P1	64312775	rs4718172	7	64395932	G	A	0.559642	0.00972648	0.00817148	0.23393	0.610239	0.0942096	9.33E-11	0.0159388	0.0136148	0.2417217	0.7680082	20	0.7409144
ENSG00000213640	7	RP11-797H7.3	64323377	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	-0.90524	0.0936385	4.15E-22	0.0145916	0.00905438	0.1070595	0.9103603	20	0.6086128
ENSG00000152926	7	ZNF117	64432154	rs13235214	7	64516150	T	C	0.482107	-0.0025036	0.00808054	0.756687	0.446663	0.0763975	5.02E-09	-0.0056052	0.0181163	0.757017	0.8567964	12	0.9350982
ENSG00000213462	7	ERV3-1	64451187	rs12530733	7	64547832	T	C	0.397614	-0.0037329	0.00831429	0.653448	0.794316	0.0859802	2.50E-20	-0.0046996	0.0104796	0.6538297	0.8678709	19	0.91901406
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-0.882055	0.0886709	2.59E-23	-0.0059412	0.00925495	0.5209096	0.9376623	20	0.87918067
ENSG00000226002	7	RP11-460N20.5	64544481	rs7796291	7	64717219	C	T	0.367793	-0.0033112	0.00861799	0.700818	0.945498	0.10897	4.07E-18	-0.003502	0.00912369	0.7010971	0.4820174	20	0.92595657
ENSG00000164669	7	INTS4L1	64601603	rs17710097	7	64727862	A	G	0.366799	-0.0035909	0.00861538	0.676824	-0.728428	0.0926426	3.76E-15	0.00492966	0.011844	0.6772514	0.4278314	20	0.92192031
ENSG00000226824	7	RP4-756H11.3	66119525	rs3778909	7	66255646	C	G	0.54175	-0.0150754	0.00826534	0.0681632	-1.1396	0.0874887	8.74E-39	0.0132287	0.0073236	0.07087032	0.8672893	15	0.56532704
ENSG00000198874	7	TYW1	66460160	rs7791271	7	66602986	T	C	0.217694	-0.0165423	0.0109869	0.132161	1.03929	0.113726	6.33E-20	-0.0159169	0.0107141	0.1373823	0.7710054	9	0.65469687
ENSG00000106610	7	STAG3L4	66767608	rs887715	7	66786384	C	T	0.39662	0.00301849	0.00892432	0.735189	-0.83405	0.0856042	1.97E-22	-0.0036191	0.0107064	0.7353419	0.5074695	20	0.9268498
ENSG00000196313	7	POM121	72349936	rs113522666	7	72417063	A	G	0.522863	0.0121004	0.00809886	0.135152	-0.320077	0.0564841	1.46E-08	-0.0378047	0.0261676	0.1485383	0.5472584	5	0.65927855
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.741905	0.118145	3.39E-10	-0.0121125	0.0119912	0.3124384	0.8613117	8	0.79423593
ENSG00000165171	7	WBSCR27	73248920	rs4717109	7	73240991	C	A	0.725646	0.00561905	0.00869446	0.518098	-1.05123	0.107994	2.16E-22	-0.0053452	0.00828896	0.5190182	0.3070582	19	0.87918067
ENSG00000196275	7	GTF2IRD2	74210483	rs1635749	7	74360737	C	T	0.809145	-0.0231069	0.0104641	0.0272301	-1.06777	0.136248	4.62E-15	0.0216403	0.0101816	0.03354946	0.1524206	20	0.45654991
ENSG00000123965	7	PMS2P5	74306894	rs1635749	7	74360737	C	T	0.809145	-0.0231069	0.0104641	0.0272301	-1.19673	0.129465	2.38E-20	0.0193084	0.00898995	0.03173179	0.05166125	11	0.45426563
ENSG00000127957	7	PMS2P3	75132254	rs1167827	7	75163169	A	G	0.460239	-0.0099459	0.00809258	0.219067	0.556783	0.0968706	9.05E-09	-0.0178632	0.0148631	0.2294231	0.1780311	4	0.73698899
ENSG00000188372	7	ZP3	76026835	rs2527935	7	76254810	T	C	0.298211	-0.0095262	0.00953525	0.31777	1.13518	0.11388	2.10E-23	-0.0083918	0.00844185	0.3201884	0.8977858	20	0.7975132
ENSG00000243566	7	UPK3B	76139745	rs3902000	7	76170556	C	T	0.488072	-0.001098	0.00807251	0.891803	0.707991	0.0907397	6.07E-15	-0.0015509	0.0114037	0.8918201	0.7872094	20	0.98318933
ENSG00000205485	7	AC004980.7	76178677	rs17718122	7	76209459	G	A	0.300199	-0.0094069	0.00952288	0.32324	0.825425	0.114894	6.76E-13	-0.0113965	0.0116455	0.32777	0.6757935	19	0.80402073
ENSG00000146707	7	POMZP3	76239303	rs41278779	7	76255061	C	T	0.209742	0.0119927	0.0109203	0.272118	-1.08517	0.12831	2.73E-17	-0.0110514	0.0101477	0.2761277	0.4388384	20	0.75782812
ENSG00000214293	7	RSBN1L-AS1	77286977	rs11982427	7	77320798	T	G	0.141153	0.00175261	0.0129736	0.89254	-0.951314	0.118754	1.14E-15	-0.0018423	0.0136395	0.8925555	0.9251078	18	0.98318933
ENSG00000180535	7	BHLHA15	97840739	rs13221897	7	97719699	A	G	0.552684	-0.0002256	0.00813544	0.977875	-0.719709	0.115815	5.16E-10	0.00031349	0.0113039	0.9778749	0.00582095	14	0.99268816
ENSG00000272950	7	RP11-307C18.1	97952165	rs74672857	7	97846435	A	G	0.215706	-0.0034699	0.00981619	0.723721	-0.875202	0.131796	3.12E-11	0.00396472	0.0112318	0.7240954	0.01861818	16	0.92595657
ENSG00000146833	7	TRIM4	99474581	rs2527899	7	99529181	G	A	0.533797	0.00023751	0.00821224	0.976927	0.565082	0.0823473	6.78E-12	0.00042031	0.014533	0.9769274	0.02329717	7	0.99268816
ENSG00000066923	7	STAG3	99775186	rs2070215	7	99696797	C	T	0.27336	0.0209886	0.00886454	0.0178991	0.509674	0.0735104	4.11E-12	0.0411804	0.0183788	0.02504846	0.2977377	20	0.42056674
ENSG00000213413	7	PVRIG	99815864	rs2950520	7	99827148	C	T	0.733598	-0.0279322	0.00907135	0.00207582	-0.76887	0.104272	1.66E-13	0.0363289	0.0127857	0.00449192	0.7124683	20	0.25465421
ENSG00000242294	7	STAG3L5P	99933702	rs6965458	7	99973402	A	G	0.175944	-0.0149706	0.00985897	0.128895	0.923139	0.0839725	4.11E-28	-0.0162171	0.0107812	0.1325315	0.8300041	20	0.64861908
ENSG00000121716	7	PILRB	99933737	rs10085549	7	99983135	T	C	0.177932	-0.0150274	0.00985786	0.127406	0.985213	0.0811067	5.94E-34	-0.0152529	0.0100843	0.1303956	0.8487868	20	0.64861908
ENSG00000085514	7	PILRA	99965153	rs112622797	7	99917416	A	G	0.173956	-0.0150101	0.00986455	0.128104	0.936979	0.107349	2.59E-18	-0.0160197	0.0106868	0.1338705	0.7132578	17	0.64861908
ENSG00000078487	7	ZCWPW1	99998449	rs60644673	7	100096742	T	G	0.195825	-0.0192743	0.00965329	0.0458627	0.550913	0.090123	9.78E-10	-0.0349861	0.0184334	0.05769918	0.6833759	5	0.55261186
ENSG00000106404	7	CLDN15	100875373	rs3757460	7	100881640	G	A	0.303181	0.00392994	0.00968567	0.684928	0.452814	0.0730635	5.74E-10	0.00867893	0.0214357	0.6855649	0.6814042	9	0.92192031
ENSG00000228049	7	POLR2J2	102277474	rs4729850	7	102343967	G	A	0.898608	0.00072965	0.01403	0.958524	-1.37993	0.162811	2.34E-17	-0.0005288	0.0101674	0.9585242	0.6596268	10	0.99049818
ENSG00000177683	7	THAP5	108194987	rs40941	7	108202925	T	C	0.318091	-0.0162377	0.00873597	0.0630667	0.572492	0.0846513	1.35E-11	-0.0283632	0.0158254	0.07309142	0.5687679	9	0.56532704
ENSG00000105976	7	MET	116312444	rs12154364	7	116498971	A	G	0.388668	-0.0194421	0.00851668	0.0224404	-0.626016	0.0907484	5.26E-12	0.0310569	0.0143301	0.03021645	0.3372856	11	0.44889402
ENSG00000242593	7	RP5-921G16.1	123672259	rs1157352	7	124043261	C	G	0.264414	-0.0127094	0.00865972	0.142202	-0.897082	0.123435	3.66E-13	0.0141675	0.00984807	0.1502624	0.3271723	13	0.66134907
ENSG00000243302	7	RP11-274B21.2	128291239	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.339593	0.0583257	5.80E-09	-0.0161977	0.024031	0.5002896	0.4785976	3	0.87454223
ENSG00000230715	7	RP11-274B21.4	128292895	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.455175	0.0607422	6.70E-14	-0.0117392	0.017877	0.5113953	0.05730829	7	0.87828611
ENSG00000243679	7	RP11-274B21.3	128294023	rs10464538	7	128180387	A	C	0.290258	-0.0111962	0.00900116	0.21355	0.400202	0.0614847	7.57E-11	-0.0279764	0.0228985	0.2218009	0.267718	5	0.73186265
ENSG00000243317	7	C7orf73	135347244	rs3110823	7	135357476	C	A	0.148111	-0.0103812	0.0106274	0.328655	-0.469016	0.0851093	3.57E-08	0.022134	0.0230122	0.3361303	0.9835476	4	0.81687335
ENSG00000228775	7	WEE2-AS1	141404138	rs2270009	7	141464765	T	C	0.463221	-0.001467	0.00806903	0.855737	0.747313	0.0862379	4.49E-18	-0.001963	0.0107998	0.8557681	0.9397199	19	0.974435
ENSG00000127364	7	TAS2R4	141478242	rs12703408	7	141501747	G	C	0.468191	-0.0007375	0.00806819	0.927167	0.811188	0.092378	1.62E-18	-0.0009092	0.00994668	0.9271706	0.9515509	18	0.98666978
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.591708	0.073828	1.10E-15	0.00926694	0.0169466	0.5844955	0.2433981	14	0.89828921
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs11773140	7	149583794	C	T	0.586481	-0.004931	0.00809188	0.542278	0.581444	0.0863185	1.63E-11	-0.0084805	0.0139737	0.5439219	0.3868846	7	0.88620808
ENSG00000171130	7	ATP6V0E2	149570057	rs6947011	7	149575725	T	C	0.600398	-0.0032429	0.00807086	0.687827	0.470691	0.0552315	1.57E-17	-0.0068897	0.0171659	0.688155	0.1259123	11	0.92192031
ENSG00000127399	7	LRRC61	150019728	rs1047575	7	150035500	G	C	0.26839	-0.013733	0.00847021	0.104947	0.70994	0.0967969	2.23E-13	-0.0193439	0.0122189	0.1133966	0.6824308	19	0.6086128
ENSG00000188707	7	ZBED6CL	150026938	rs1464753	7	150021350	C	G	0.260437	-0.0072169	0.00870792	0.407234	-0.784796	0.112424	2.94E-12	0.00919587	0.0111737	0.4105125	0.3456877	13	0.85497243
ENSG00000196584	7	XRCC2	152341864	rs35297184	7	152379822	A	C	0.196819	0.0212941	0.00958427	0.0262984	0.7998	0.11893	1.76E-11	0.0266243	0.0126204	0.0348907	0.8457529	6	0.45654991
ENSG00000214106	7	PAXIP1-AS2	154720208	rs3088230	7	154737089	A	G	0.329026	-0.0105014	0.00850522	0.216941	0.627548	0.0920867	9.44E-12	-0.016734	0.0137738	0.2243963	0.1184157	5	0.73360329
ENSG00000218672	7	AC008060.7	155174771	rs4716544	7	155195682	A	G	0.536779	-0.0021396	0.00819001	0.793906	0.888785	0.0823824	3.90E-27	-0.0024073	0.00921754	0.7939644	0.6530736	19	0.95316662
ENSG00000260426	7	RP5-912I13.1	155192617	rs4716544	7	155195682	A	G	0.536779	-0.0021396	0.00819001	0.793906	0.891848	0.0867755	8.89E-25	-0.002399	0.00918616	0.7939704	0.4298914	20	0.95316662
ENSG00000126870	7	WDR60	158649269	rs842697	7	158662840	G	A	0.238569	0.0108016	0.00933825	0.247395	-0.50821	0.0923429	3.72E-08	-0.0212542	0.0187762	0.2576457	0.4763522	3	0.74711929
ENSG00000036448	8	MYOM2	1993155	rs28718089	8	2076367	G	A	0.44831	0.0157336	0.00811529	0.0525303	0.60905	0.083638	3.29E-13	0.025833	0.0137887	0.0609999	0.969184	15	0.55465399
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-1.00682	0.107062	5.25E-21	-0.0184741	0.00841283	0.02809586	0.9765079	20	0.43607365
ENSG00000233609	8	RP11-62H7.2	8818710	rs6981573	8	8821318	C	T	0.354871	0.0121083	0.00824982	0.142184	0.842706	0.123236	8.02E-12	0.0143684	0.0100126	0.1512806	0.04785648	20	0.66368263
ENSG00000227888	8	FAM66A	12219527	rs11250186	8	11853596	G	A	0.562624	0.00541365	0.00852282	0.525301	0.704057	0.114816	8.68E-10	0.00768922	0.0121701	0.5275084	0.1550898	20	0.87918067
ENSG00000255556	8	RP11-351I21.6	12236188	rs55907235	8	11872734	T	C	0.390656	-0.0040621	0.00904875	0.653496	-0.684623	0.11029	5.38E-10	0.00593332	0.0132516	0.6543391	0.2492314	20	0.91901406
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.513308	0.0878899	5.21E-09	0.00992967	0.0165058	0.54745	0.06807435	11	0.88620808
ENSG00000147408	8	CSGALNACT1	19261672	rs56298301	8	19305937	A	C	0.437376	-0.0057445	0.00808803	0.477555	0.430744	0.0570893	4.52E-14	-0.0133361	0.0188599	0.479495	0.9567964	14	0.86360679
ENSG00000158856	8	DMTN	21906506	rs11782192	8	21906403	C	A	0.689861	0.00503825	0.0085906	0.55755	-0.208235	0.0353805	3.97E-09	-0.024195	0.0414587	0.5594936	0.1255803	3	0.88891507
ENSG00000197181	8	PIWIL2	22132810	rs4871990	8	22132837	T	C	0.569583	-0.001686	0.00846056	0.842048	-0.573419	0.104573	4.17E-08	0.00294021	0.0147643	0.8421512	0.08447769	4	0.97122302
ENSG00000241852	8	C8orf58	22457114	rs4242434	8	22501830	A	C	0.328032	-0.0002487	0.00905365	0.97809	0.501103	0.0857352	5.07E-09	-0.0004962	0.0180676	0.9780898	0.4233138	12	0.99268816
ENSG00000248738	8	RP11-87E22.2	22735485	rs2466177	8	22737971	T	C	0.353877	0.00967976	0.00886402	0.27482	-0.610555	0.0825732	1.42E-13	-0.015854	0.0146755	0.2800042	0.05320277	8	0.76161142
ENSG00000173535	8	TNFRSF10C	22941868	rs116703825	8	22943928	A	G	0.15507	-0.0201084	0.00969212	0.0380128	0.765511	0.120081	1.83E-10	-0.0262679	0.0133146	0.0485108	0.70067	16	0.51343497
ENSG00000015592	8	STMN4	27092840	rs1345134	8	27119538	A	G	0.452286	-0.0144601	0.00828027	0.0807532	-0.60846	0.074049	2.09E-16	0.0237651	0.0139125	0.08760282	0.471319	9	0.59196201
ENSG00000120915	8	EPHX2	27348296	rs1042064	8	27402132	C	T	0.239563	-0.0069745	0.00905022	0.440917	0.357552	0.0599238	2.42E-09	-0.0195063	0.0255219	0.4446896	0.06226545	5	0.86360679
ENSG00000134014	8	ELP3	27947190	rs13250007	8	27995722	G	T	0.338966	0.00552181	0.00848627	0.515256	0.600134	0.0903562	3.10E-11	0.00920096	0.0142083	0.5172594	0.9719067	10	0.87918067
ENSG00000147533	8	GOLGA7	41347915	rs11337	8	41368286	G	T	0.962227	-0.0271265	0.017444	0.119931	0.712252	0.128793	3.20E-08	-0.0380855	0.0254412	0.1343923	0.3849064	4	0.64861908
ENSG00000176209	8	SMIM19	42396298	rs73633616	8	42425673	G	A	0.612326	-0.000913	0.00836934	0.913135	-0.445056	0.0636393	2.68E-12	0.00205136	0.0188074	0.9131454	0.7660393	15	0.98318933
ENSG00000034239	8	EFCAB1	49623348	rs3750259	8	49647910	A	C	0.605368	0.00063178	0.00828332	0.939203	-0.506343	0.0672384	5.05E-14	-0.0012477	0.0163599	0.9392059	0.7088598	9	0.99049818
ENSG00000251396	8	RP11-163N6.2	61297147	rs654534	8	61559253	C	T	0.525845	0.019791	0.00812562	0.0148662	-0.510155	0.0918247	2.76E-08	-0.0387941	0.0173911	0.02570211	0.8943877	6	0.42456038
ENSG00000254050	8	RP11-577N1.1	63385776	rs13254759	8	63387576	C	A	0.17495	-0.0025635	0.0103146	0.803727	0.783284	0.120718	8.67E-11	-0.0032727	0.0131781	0.8038673	0.490866	5	0.9565057
ENSG00000254081	8	CTD-3025N20.2	66439243	rs13271817	8	66471836	G	A	0.530815	0.0100895	0.00810222	0.213029	0.546505	0.0819275	2.55E-11	0.0184619	0.0150816	0.2209039	0.1769567	14	0.73186265
ENSG00000147576	8	ADHFE1	67342420	rs2555568	8	67362864	G	A	0.489066	-0.0026137	0.00807303	0.746122	0.407636	0.0634418	1.32E-10	-0.0064118	0.0198296	0.7464336	0.3485572	16	0.9268498
ENSG00000221947	8	XKR9	71581600	rs4628281	8	71839164	G	T	0.519881	-0.0159743	0.00804597	0.0471032	0.858275	0.0875505	1.09E-22	-0.0186121	0.0095649	0.05166985	0.3156194	9	0.52441042

ENSG00000272138	8	RP11-27N21.3	80680377	rs2247008	8	80714713	A	C	0.657058	0.0142034	0.00849471	0.0945192	-0.665593	0.101647	5.83E-11	-0.0213395	0.0131721	0.1052221	0.9536497	4	0.6086128
ENSG00000133739	8	LRRCC1	86019382	rs7000849	8	86069494	G	A	0.0924453	0.00668583	0.0127188	0.59912	0.497887	0.0862032	7.66E-09	0.0134284	0.0256511	0.6006253	0.1824254	5	0.90761156
ENSG00000176623	8	RMDN1	87480486	rs2976179	8	87335002	T	C	0.27336	0.0146195	0.00926842	0.114716	0.385906	0.0618565	4.41E-10	0.0378836	0.024773	0.1262085	0.4373225	10	0.64527654
ENSG00000164823	8	OSGIN2	90914087	rs379015	8	90868473	T	C	0.736581	-0.0001281	0.00894405	0.98857	0.578075	0.0942654	8.66E-10	-0.0002217	0.0154722	0.9885701	0.2836867	6	0.99504682
ENSG00000253738	8	GS1-251I9.4	92072137	rs117294207	8	92067453	T	C	0.0715706	0.0243091	0.0188272	0.196645	-0.484818	0.0774074	3.77E-10	-0.0501407	0.0396501	0.2060229	0.7989458	5	0.72301278
ENSG00000174226	8	SNX31	101585116	rs1693560	8	101680292	G	A	0.469185	-0.0028437	0.00813132	0.726549	0.818712	0.0954023	9.35E-18	-0.0034734	0.00994009	0.726767	0.6058466	17	0.92595657
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.05478	0.138507	2.63E-14	-0.0051202	0.0091952	0.577639	0.2942957	4	0.89556387
ENSG00000169398	8	PTK2	141667999	rs13260666	8	141712150	C	G	0.513917	0.0154696	0.00818236	0.0586773	0.30438	0.0503714	1.52E-09	0.0508233	0.0281671	0.07117619	0.5687458	12	0.56532704
ENSG00000253210	8	RP11-809O17.1	142136143	rs7815457	8	142136963	C	G	0.45825	0.0002973	0.00815355	0.970913	-0.717388	0.11499	4.41E-10	-0.0004144	0.0113658	0.970914	0.8646043	6	0.99268816
ENSG00000253741	8	CTD-2292P10.4	143783670	rs2257840	8	143809193	T	C	0.472167	0.00510765	0.00810398	0.528522	-0.51589	0.0835508	6.63E-10	-0.0099007	0.0157904	0.530655	0.1920105	11	0.87974872
ENSG00000130193	8	THEM6	143808621	rs2717600	8	143813988	G	A	0.548708	-0.0031702	0.00818491	0.698515	0.355538	0.0604188	3.99E-09	-0.0089167	0.023071	0.6991348	0.02003503	20	0.92595657
ENSG00000253716	8	RP13-582O9.5	144362331	rs1063753	8	144362674	G	C	0.485089	0.00194367	0.00809113	0.810158	-0.724275	0.0972477	9.50E-14	-0.0026836	0.0111772	0.8102547	0.7283657	20	0.9590881
ENSG00000104518	8	GSDMD	144635377	rs11779488	8	144573123	A	G	0.256461	-0.0059741	0.00876439	0.495473	-0.625648	0.0825977	3.60E-14	0.0095486	0.0140651	0.4972104	0.7114395	20	0.8733566
ENSG00000147813	8	NAPRT1	144656955	rs9657360	8	144676862	T	C	0.800199	0.0003485	0.00974563	0.971474	1.10558	0.115931	1.48E-21	0.00031522	0.00881501	0.9714742	0.6558758	20	0.99268816
ENSG00000254812	8	RP11-661A12.12	144714241	rs2242085	8	144699424	C	G	0.210736	-0.0052807	0.00993444	0.595034	-0.864475	0.129184	2.20E-11	0.00610856	0.0115281	0.5961911	0.8897343	10	0.90594402
ENSG00000180921	8	FAM83H	144806103	rs12156265	8	144848756	A	G	0.559642	8.66E-05	0.00807375	0.991441	-0.396348	0.0688411	8.54E-09	-0.0002185	0.0203704	0.991441	0.09516326	3	0.99583439
ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	0.889492	0.111035	1.14E-15	-0.01144	0.0167577	0.4948136	0.9253463	3	0.87284554
ENSG00000071894	8	CPSF1	145618444	rs10096524	8	145629497	A	G	0.571571	0.00117125	0.00810106	0.885043	0.798789	0.0714176	4.84E-29	0.00146628	0.0101425	0.8850521	0.5927655	14	0.98318933
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	0.947423	0.135538	2.75E-12	0.0131358	0.0185582	0.479058	0.02736927	9	0.86360679
ENSG00000197363	8	ZNF517	146024261	rs1735428	8	146052559	C	G	0.347913	0.00317078	0.00833792	0.703735	0.507031	0.0831301	1.07E-09	0.00625362	0.0164765	0.7042815	0.1172819	12	0.92595657
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407330	9	73986	G	A	0.44831	-0.0014228	0.00842389	0.865875	-0.723167	0.111715	9.59E-11	0.00196746	0.0116526	0.86592	0.5692012	7	0.97797442
ENSG00000172785	9	CBWD1	121041	rs3008143	9	193737	T	C	0.619284	0.00110801	0.00824952	0.893156	-0.796252	0.10442	2.43E-14	-0.0013915	0.010362	0.8931723	0.1805513	20	0.98318933
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	0.971288	0.150534	1.10E-10	-0.0005965	0.0113755	0.9581799	0.6642068	7	0.99049818
ENSG00000235448	9	RP11-3L8.3	12700100	rs10960779	9	12758881	G	A	0.604374	0.00213444	0.00848375	0.801357	0.727651	0.0910967	1.38E-15	0.00293333	0.0116649	0.8014532	0.7357583	20	0.95611961
ENSG00000153714	9	LURAP1L	12775020	rs10960781	9	12762374	A	G	0.605368	0.00733342	0.00838809	0.381973	0.718986	0.0891518	7.34E-16	0.0101997	0.0117349	0.3847522	0.2407765	13	0.8356628
ENSG00000215237	9	RP11-54D18.2	14993310	rs10810317	9	15014021	G	A	0.5	-0.0053864	0.00807778	0.504891	0.964192	0.0822863	1.04E-31	-0.0055864	0.00839133	0.5055798	0.171074	20	0.87828611
ENSG00000164989	9	CCDC171	15552895	rs10756714	9	15885041	G	A	0.472167	0.0189821	0.00806505	0.0185913	0.50917	0.0907128	1.99E-08	0.0372805	0.0171758	0.02996686	0.3064101	17	0.44889402
ENSG00000261402	9	RP11-378I6.1	19926092	rs10811277	9	19896957	G	C	0.611332	-0.0039045	0.00818378	0.633293	-0.627861	0.104652	1.98E-09	0.00621867	0.0130755	0.6343623	0.9445843	11	0.91901406
ENSG00000147894	9	C9orf72	27546544	rs13691	9	27546890	A	G	0.259443	0.00709952	0.00967282	0.46297	-0.502519	0.089587	2.03E-08	-0.0141279	0.0194127	0.4667592	0.5687324	4	0.86360679
ENSG00000241043	9	GVQW1	32566787	rs638596	9	32539546	T	C	0.602386	-0.0071557	0.00807201	0.375355	-0.606911	0.103875	5.14E-09	0.0117904	0.0134524	0.3807822	0.2868269	9	0.8356628
ENSG00000165269	9	AQP7	33384765	rs17251987	9	33388289	T	C	0.10338	-0.0005981	0.0119204	0.959981	1.25274	0.151081	1.12E-16	-0.0004775	0.00951564	0.9599815	0.3524614	8	0.99049818
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.43541	0.190888	5.49E-14	0.0214518	0.0111784	0.05497981	0.1444957	10	0.54183001
ENSG00000164978	9	NUDT2	34329504	rs10971957	9	34151463	T	C	0.590457	-0.0061091	0.0082792	0.460581	0.454801	0.0633851	7.22E-13	-0.0134326	0.0183	0.4629372	0.1966047	5	0.86360679
ENSG00000198467	9	TPM2	35681989	rs3793540	9	35689951	T	A	0.275348	0.0154087	0.00937767	0.100357	-0.644389	0.0748354	7.26E-18	-0.0239121	0.0148154	0.1065266	0.5558543	20	0.6086128
ENSG00000137103	9	TMEM8B	35814448	rs7022281	9	35851048	T	C	0.60835	-0.012711	0.0081403	0.11841	-0.44042	0.0576273	2.13E-14	0.0288611	0.0188649	0.1260453	0.2397116	11	0.64527654
ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.2533	0.123946	4.90E-24	-0.0009062	0.00835698	0.9136519	0.1047319	13	0.98318933
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.72279	0.103562	2.97E-12	0.0203664	0.0140654	0.147623	0.8597687	6	0.65927855
ENSG00000106733	9	NMRK1	77675489	rs11144225	9	77707300	T	A	0.368787	-0.0056692	0.00889688	0.523986	-1.07206	0.0892979	3.33E-33	0.00528815	0.00831055	0.5245694	0.4409984	20	0.87918067
ENSG00000254473	9	RP11-522I20.3	86322509	rs2282220	9	86242383	G	C	0.22167	-0.0119053	0.010634	0.262903	0.609771	0.108422	1.87E-08	-0.0195242	0.0177815	0.2722016	0.2770312	7	0.75782812
ENSG00000229694	9	RP11-305L7.6	93881344	rs4744035	9	93922267	G	A	0.929423	-0.0084577	0.0143354	0.555198	-1.44945	0.247928	5.03E-09	0.00583512	0.00994047	0.5571996	0.8239415	7	0.8863058
ENSG00000234537	9	RP11-100G15.7	94894680	rs62564362	9	94898935	C	T	0.341948	-0.0040168	0.00831445	0.629015	0.575998	0.0940004	8.92E-10	-0.0069737	0.0144797	0.6300761	0.8763241	4	0.91901406
ENSG00000188312	9	CENPP	95087766	rs12350198	9	95304235	T	C	0.173956	-0.0182285	0.0117593	0.121109	0.959684	0.121995	3.65E-15	-0.0189943	0.0124889	0.128288	0.8949864	14	0.64861908
ENSG00000131669	9	NINJ1	95883771	rs60629714	9	95889160	C	T	0.188867	0.00737741	0.0100181	0.461484	-0.474661	0.0866795	4.35E-08	-0.0155425	0.0212958	0.465489	0.7273503	5	0.86360679
ENSG00000227603	9	RP11-165J3.6	96197614	rs59483310	9	96265600	T	C	0.127237	0.0143455	0.0117173	0.220838	0.766787	0.13869	3.22E-08	0.0187086	0.0156512	0.2319526	0.1992412	6	0.73698899
ENSG00000175611	9	LINC00476	98521513	rs591486	9	98650046	G	A	0.440358	0.0144771	0.00808156	0.0732335	0.87345	0.105858	1.57E-16	0.0165746	0.00946801	0.08001616	0.3365536	17	0.58229105
ENSG00000196312	9	HIATL2	99660348	rs10435856	9	99759717	A	G	0.0228628	0.0400041	0.0207226	0.0535501	-1.16652	0.205071	1.28E-08	-0.0342935	0.0187596	0.06754115	0.2575358	10	0.56532704
ENSG00000228376	9	RP11-520B13.4	99837953	rs7869509	9	99983812	C	T	0.511928	-0.0033968	0.00807962	0.674185	0.386351	0.0664221	6.01E-09	-0.0087919	0.0209672	0.6749845	0.2814556	6	0.92192031
ENSG00000203279	9	RP11-498P14.5	99962757	rs10981278	9	99995270	G	C	0.61332	0.00101113	0.00841964	0.90441	0.820067	0.114251	7.09E-13	0.00123298	0.0102685	0.9044237	0.03280008	8	0.98318933
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.592904	0.0822769	5.75E-13	0.00150406	0.0136729	0.912407	0.495579	7	0.98318933
ENSG00000095383	9	TBC1D2	100961311	rs3739664	9	100979345	C	T	0.565606	0.0133201	0.00814455	0.101952	0.45387	0.0631464	6.59E-13	0.0293478	0.0184034	0.1107792	0.1066486	17	0.6086128
ENSG00000136870	9	ZNF189	104161155	rs3739719	9	104169089	A	G	0.39165	-0.0041186	0.00865316	0.6341	-0.347322	0.0613161	1.47E-08	0.0118581	0.0250017	0.6352915	0.8558184	6	0.91901406
ENSG00000136824	9	SMC2	106856541	rs10820608	9	106890840	G	A	0.568588	0.0058716	0.00824527	0.476391	-0.669429	0.0744376	2.40E-19	-0.0087711	0.0123554	0.4777691	0.883677	18	0.86360679
ENSG00000136783	9	NIPSNAP3A	107509969	rs4149339	9	107545156	A	G	0.250497	-0.0168737	0.00891215	0.0583136	-0.564778	0.0848827	2.86E-11	0.0298767	0.0164064	0.06860016	0.594686	19	0.56532704
ENSG00000204173	9	LRRC37A5P	114353872	rs1570304	9	114401173	T	C	0.555666	0.00311354	0.00847628	0.713377	-0.500845	0.0798089	3.48E-10	-0.0062166	0.0169529	0.7138456	0.00267937	8	0.92595657
ENSG00000242616	9	GNG10	114423615	rs823643	9	114556861	A	C	0.560636	-0.0010381	0.0083314	0.90084	-0.516366	0.0767278	1.70E-11	0.00201038	0.0161374	0.9008574	0.1482623	20	0.98318933
ENSG00000226752	9	PSMD5-AS1	123587106	rs4837796	9	123610288	T	C	0.584493	0.00915196	0.00815707	0.261877	-1.10163	0.0727722	9.09E-52	-0.0083077	0.00742486	0.2631838	0.4906732	20	0.75037729
ENSG00000056558	9	TRAF1	123664671	rs1930780	9	123686219	G	C	0.640159	0.0120648	0.00810671	0.136685	0.516576	0.0667332	9.87E-15	0.0233553	0.0159806	0.1438828	0.8048387	20	0.65858471
ENSG00000197958	9	RPL12	130209953	rs10819292	9	130188676	A	G	0.632207	0.00761586	0.008601	0.375908	0.442612	0.0594356	9.55E-14	0.0172066	0.0195693	0.3792557	0.8508379	8	0.8356628
ENSG00000136908	9	DPM2	130697378	rs2274426	9	130707081	G	A	0.870775	0.0110131	0.0120252	0.359754	-0.731985	0.116837	3.73E-10	-0.0150455	0.0166028	0.364828	0.1661848	9	0.8356628
ENSG00000228510	9	RP11-339B21.8	131206866	rs7872212	9	131198807	A	G	0.232604	-0.0037819	0.00938131	0.686852	-0.670778	0.112793	2.73E-09	0.0056381	0.0140178	0.68753	0.8012223	9	0.92192031
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.42191	0.163271	3.07E-18	0.00951748	0.0103723	0.3588359	0.0606025	20	0.83557563
ENSG00000204055	9	RP11-247A12.2	131939050	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	0.889109	0.1566	1.37E-08	0.0152209	0.016712	0.3624157	0.06519368	3	0.8356628
ENSG00000165695	9	AK8	135600965	rs215184	9	135676280	G	C	0.496024	-0.0043571	0.00807714	0.589583	0.588937	0.0851181	4.55E-12	-0.0073983	0.0137564	0.590709	0.2068139	20	0.90265645
ENSG00000148290	9	SURF1	136218610	rs3118667	9	136291063	C	T	0.488072	-0.0004669	0.00817399	0.954448	0.478847	0.0710581	1.60E-11	-0.0009751	0.0170708	0.9544491	0.3541159	18	0.99049818
ENSG00000160360	9	GPSM1	139221932	rs7022785	9	139368883	G	A	0.0198807	0.0965903	0.052403	0.0652965	0.877625	0.141431	5.46E-10	0.110059	0.0622885	0.07724181	0.8683679	14	0.57842988
ENSG00000213221	9	DNLZ	139253932	rs57052773	9	139385701	C	T	0.0367793	-0.0061314	0.0188263	0.744665	1.32216	0.203089	7.50E-11	-0.0046374	0.0142569	0.7449727	0.5550451	7	0.9268498
ENSG00000233016	9	SNHG7	139615818	rs115005960	9	139625380	A	G	0.120278	0.00878781	0.0159	0.580474	-1.0546	0.116313	1.22E-19	-0.0083328	0.0151048	0.5811755	0.2469274	4	0.89818032
ENSG00000177984	9	LCN15	139654086	rs4880142	9	139660402	C	T	0.781312	-0.0142157	0.00878544	0.105641	-0.973852	0.120296	5.70E-16	0.0145974	0.00919977	0.1125777	0.7266188	18	0.6086128
ENSG00000184925	9	LCN12	139844003	rs10781527	9	139852224	C	T	0.693837	1.39E-05	0.00851248	0.998695	-0.420371	0.0632745	3.06E-11	-3.31E-05	0.0202499	0.9986952	0.5408542	20	0.99964513
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-1.30532	0.180614	4.93E-13	-0.0027424	0.0179628	0.8786595	0.9721539	7	0.98318933
ENSG00000268996	9	AL807752.1	139980807	rs7466635	9	139980417	C	T	0.671968	-0.001121	0.00855547	0.895754	-0.630533	0.0797127	2.57E-15	0.00177786	0.0135705	0.8957679	0.8139593	10	0.98318933
ENSG00000205696	10	ADARB2-AS1	1568832	rs11250626	10	1605915	G	A	0.445328	-0.0209477	0.00811494	0.00984079	-0.540488	0.0980552	3.55E-08	0.038757	0.016579	0.01940168	0.4861003	3	0.39677513
ENSG00000107959	10	PITRM1	3179920	rs76088740	10	3193412	T	C	0.0447316	0.0123085	0.0179728	0.493445	-0.966572	0.157361	8.13E-10	-0.0127342	0.0187096	0.49611	0.5583135	18	0.87284554
ENSG00000187134	10	AKR1C1	4934796	rs12258513	10	4969284	G	T	0.412525	0.0005762	0.00813037	0.943502	0.750017	0.113398	3.74E-11	0.00076825	0.0108409	0.9435047	0.9003454	6	0.99049818
ENSG00000151632	10	AKR1C2	5029967	rs71230207	10	5017641	G	C	0.131213	-0.0041484	0.0119939	0.729436	0.912376	0.139736	6.61E-11	-0.0045468	0.0131642	0.7298	0.4253868	7	0.92595657
ENSG00000134463	10	ECHDC3	11784365	rs10906019	10	11839030	A	T	0.451292	-0.0034899	0.00819368	0.670165	-0.713905	0.111184	1.35E-10	0.00488841	0.0115025	0.6708462	0.5555324	12	0.92192031
ENSG00000226083	10	SLC39A12-AS1	18290715	rs7895735	10	18419126	T	C	0.463221	-0.0105386	0.00820032	0.198741	0.716541	0.115411	5.35E-10	-0.0147076	0.0116869	0.2082228	0.2785375	13	0.72301278
ENSG00000240291	10	RP11-499P20.2	18802044	rs10828872	10	18830618	T	C	0.375746	-0.002011	0.00849239	0.812812	0.523238	0.08715	1.93E-09	-0.0038434	0.0162431	0.8129545	0.01461948	5	0.9603045
ENSG00000241058	10	NSUN6	18834490	rs4634984	10	18868840	T	A	0.584493	-0.000706	0.00821304	0.931494	0.388716	0.0698798	2.66E-08	-0.0018163	0.0211312	0.9315022	0.1351547	8	0.98751263
ENSG00000120539	10	MASTL	27443753	rs882474	10	27477865	T	G	0.602386	0.00532259	0.00850032	0.531207	0.469488	0.0793137	3.23E-09	0.011337	0.0182065	0.5334887	0.8733218	13	0.8826577
ENSG00000224597	10	PTCHD3P1	29698331	rs7910070	10	29766008	G	A	0.382704	-0.0126871	0.00806753	0.115809	0.602445	0.0884631	9.75E-12	-0.0210593	0.0137437	0.1254513	0.01104005	14	0.64527654
ENSG00000271335	10	RP11-324I22.4	35603480	rs6481958	10	35807426	T	G	0.323062	0.00249496	0.00893595	0.780087	0.633211	0.0995609	2.02E-10	0.00394017	0.0141257	0.7802938	0.9665373	13	0.95087332
ENSG00000272983	10	RP11-508N22.12	38426265	rs79886714	10	39115157	T	C	0.0795229	0.00560479	0.0173427	0.74656	-1.24212	0.212135	4.76E-09	-0.0045123	0.0139834	0.7469319	0.99879	4	0.9268498
ENSG00000215146	10	RP11-313J2.1	42827314	rs2466462	10	42813871	A	G	0.451292	0.012192	0.00805395	0.13008	0.839132	0.0886725	2.98E-21	0.0145293	0.00971998	0.13497	0.7778196	20	0.64861908
ENSG00000169826	10	CSGALNACT2	43633934	rs1270015	10	43698240	T	G	0.170974	0.00892233	0.0101671	0.38018	0.634276	0.0722488	1.65E-18	0.014067	0.0161093	0.3825448	0.06084373	16	0.8356628
ENSG00000230555	10	RP11-517P14.2	43916186	rs2999232	10	44010393	A	G	0.887674	-0.0225644	0.0128408	0.0788769	0.786485	0.120692	7.20E-11	-0.0286902	0.01691	0.08976524	0.9035827	3	0.59196201
ENSG00000188234	10	AGAP4	46321042	rs199863691	10	46259752	G	A	0.275348	-0.0112807	0.00930367	0.22532	-0.643607	0.115128	2.27E-08	0.0175273	0.0147916	0.2360376	0.08943763	13	0.73698899
ENSG00000204152	10	TIMM23B	51371390	rs11812185	10	51045216	A	C	0.269384	0.00442547	0.00955907	0.643393	0.596767	0.0930159	1.40E-10	0.00741574	0.0160597	0.6442537	0.7833481	15	0.91901406
ENSG00000188611	10	ASAH2	51942538	rs1133222	10	52516665	T	C	0.750497	0.00178985	0.00851157	0.833446	0.970539	0.0928112	1.36E-25	0.00184418	0.00877171	0.8334789	0.1615812	20	0.96890682
ENSG00000204147	10	ASAH2B	52499078	rs12253936	10	52487706	T	C	0.229622	0.00740916	0.0100011	0.458792	-0.415405	0.0686125	1.41E-09	-0.017836	0.0242551	0.4621265	0.5994452	7	0.86360679
ENSG00000185532	10	PRKG1	52750945	rs7893773	10	52916173	T	C	0.501988	-0.0179278	0.00808349	0.0265662	-0.464109	0.0806349	8.63E-09	0.0386284	0.0186655	0.03849862	0.4937736	5	0.46095935
ENSG00000183346	10	C10orf107	63422719	rs12781756	10	63438614	G	A	0.0854871	-0.0190748	0.0112918	0.0911696	1.02883	0.170758	1.69E-09	-0.0185403	0.0113986	0.1038346	0.6162808	5	0.6086128
ENSG00000228065	10	RP11-222A11.1	67330096	rs80074217	10	67330226	G	A	0.028827	-0.0086712	0.0252387	0.731171	1.77456	0.316316	2.02E-08	-0.0048864	0.0142492	0.7316539	0.9203275	4	0.92595657
ENSG00000108187	10	PBLD	70042417	rs2305083	10	70044937	A	C	0.198807	-0.0022531	0.00913458	0.805177	0.588226	0.0833489	1.70E-12	-0.0038303	0.0155385	0.8052934	0.6383136	20	0.9565057
ENSG00000138346	10	DNA2	70173821	rs142458817	10	70285448	A	G	0.105368	-0.0104958	0.0117051	0.369884	-0.752702	0.100577	7.22E-14	0.0139442	0.015662	0.3732951	0.633881	20	0.8356628
ENSG00000079332	10	SAR1A	71907045	rs28391623	10	71917017	A	G	0.440358	0.00129452	0.00805806	0.87237	0.398371	0.0725384	3.98E-08	0.00324953	0.0202362	0.8724239	0.1023945	9	0.98037122
ENSG00000138316	10	ADAMTS14	72432559	rs10823595	10	72422354	A	G	0.23161	0.00786337	0.00910628	0.387856	0.494835	0.073757	1.96E-11	0.0158909	0.0185545	0.3917512	0.6155605	17	0.8356628
ENSG00000224596	10	ZMIZ1-AS1	80703085	rs10824709	10	80808527	C	T	0.654076	0.0173416	0.00832037	0.037139	-0.779316	0.107025	3.30E-13	-0.0222523	0.0111053	0.04509507	0.2285989	8	0.49459109
ENSG00000188199	10	NUTM2B	81462983	rs10749148	10	81596500	T	G	0.576541	-0.0043351	0.00821124	0.59754	0.832316	0.112943	1.71E-13	-0.0052084	0.00989082	0.5984774	0.8814114	20	0.90761156
ENSG00000225484	10	RP11-773D16.1	81563813	rs2782002	10	81537176	T	A	0.202783	-0.0028263	0.0116747	0.808712	-0.934512	0.148196	2.86E-10	0.00302436	0.012502	0.8088504	0.1216601	8	0.9590554
ENSG00000228570	10	NUTM2E	81601114	rs9783140	10	81570079	G	C	0.832008	-0.0090097	0.00948155	0.341991	-1.2351	0.130976	4.10E-21	0.00729474	0.00771562	0.3444292	0.9980964	20	0.82324027
ENSG00000242600	10	MBL1P	81664654	rs34572672	10	81684457	C	T	0.241551	0.00692176	0.00917923	0.450808	0.57916	0.104607	3.09E-08	0.0119514	0.0159955	0.4549613	0.9342764	5	0.86360679
ENSG00000133661	10	SFTPD	81697496	rs7476563	10	81735074	C	A	0.596421	0.0165825	0.00817001	0.0423887	0.649589	0.0861005	4.54E-14	0.0255277	0.0130244	0.04999685	0.8687361	20	0.51343497
ENSG00000122359	10	ANXA11	81910645	rs11591611	10	81936547	A	G	0.237575	0.00981648	0.00968181	0.310625	-0.379731	0.0667567	1.28E-08	-0.0258511	0.0258984	0.3181936	0.4768323	8	0.7975132
ENSG00000148604	10	RGR	86004809	rs2279227	10	86004873	C	T	0.491054	0.00274504	0.0080485	0.733056	0.731098	0.0963042	3.16E-14	0.00375468	0.0110199	0.7333154	0.9877167	5	0.9268498
ENSG00000122375	10	OPN4	88414314	rs10887637	10	88410462	G	A	0.137177	-0.0165446	0.0105842	0.11802	-0.930836	0.149315	4.55E-10	0.0177739	0.0117226	0.1294677	0.5629328	5	0.64861908
ENSG00000184923	10	NUTM2A	88985205	rs61858525	10	89127064	T	C	0.292247	-0.0105397	0.00883621	0.232956	0.814684	0.109688	1.11E-13	-0.0129372	0.0109852	0.2389182	0.3261545	19	0.73847444
ENSG00000026103	10	FAS	90750414	rs6586165	10	90755056	A	T	0.468191	0.0096444	0.00808251	0.232774	0.780635	0.0960645	4.43E-16	0.0123546	0.0104648	0.2377683	0.8952829	11	0.73847444
ENSG00000232229	10	LINC00865	91589267	rs2181946	10	91601787	C	G	0.151093	-0.0064732	0.0111242	0.560635	1.44268	0.150501	9.17E-22	-0.0044869	0.00772498	0.5613552	0.9829736	20	0.88935218
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.74927	0.0884242	2.38E-17	-0.0016972	0.0116366	0.884043	0.9090655	18	0.98318933
ENSG00000148690	10	FRA10AC1	95427640	rs1998840	10	95460373	G	T	0.132207	-0.0175233	0.0146115	0.230419	0.940057	0.118141	1.76E-15	-0.0186407	0.0157188	0.2356667	0.9375019	17	0.73698899
ENSG00000171160	10	MORN4	99374310	rs10882970	10	99387840	C	A	0.193837	-0.0281199	0.00982857	0.0042226	-0.374164	0.0569691	5.11E-11	0.0751539	0.0286522	0.00871659	0.703372	4	0.31476169
ENSG00000119943	10	PYROXD2	100143322	rs6584192	10	100152373	G	T	0.333996	-0.0041156	0.00827768	0.619053	0.630592	0.0706492	4.43E-19	-0.0065266	0.0131472	0.6195961	0.5803958	17	0.91768615
ENSG00000095485	10	CWF19L1	101992055	rs12784396	10	102027407	T	C	0.427435	-0.0055387	0.00853414	0.516332	0.757541	0.10686	1.35E-12	-0.0073115	0.0113127	0.5180806	0.03344069	20	0.87918067
ENSG00000196072	10	BLOC1S2	102033713	rs6584357	10	102050344	T	A	0.0576541	0.00385282	0.017285	0.823614	-0.862838	0.113361	2.71E-14	-0.0044653	0.0200413	0.823688	0.01943999	10	0.96487139
ENSG00000269609	10	RP11-18I14.10	104209574	rs2281878	10	104210735	A	C	0.210736	-0.0111786	0.00989951	0.25881	0.461	0.0839979	4.06E-08	-0.0242486	0.0219238	0.2687097	0.4039577	8	0.75633028
ENSG00000214435	10	AS3MT	104629273	rs12416687	10	104629011	C	T	0.254473	-0.0074018	0.00965458	0.443281	-0.68712	0.107357	1.55E-10	0.0107723	0.0141512	0.4465236	0.2075961	9	0.86360679
ENSG00000065621	10	GSTO2	106028631	rs276203	10	106039303	G	A	0.366799	-0.0129619	0.00868259	0.135472	-0.640334	0.0924144	4.24E-12	0.0202424	0.0138706	0.1444624	0.05194189	11	0.65858471
ENSG00000228261	10	RP11-127L20.3	106083127	rs2164624	10	106013445	A	G	0.349901	-0.0220677	0.00888094	0.012961	-0.768826	0.121178	2.23E-10	0.0287031	0.0124056	0.02068314	0.4938838	18	0.40184386
ENSG00000119913	10	TECTB	114043493	rs74848039	10	114049630	T	C	0.0586481	0.0154633	0.0163312	0.343711	1.12524	0.165734	1.13E-11	0.0137422	0.014654	0.3483571	0.8109608	10	0.82584721
ENSG00000165806	10	CASP7	115438942	rs7918733	10	115439394	T	C	0.39662	0.00469551	0.00841353	0.576782	0.524176	0.0802103	6.36E-11	0.00895789	0.0161094	0.5781655	0.1923377	4	0.89556387
ENSG00000151892	10	GFRA1	117816444	rs4751581	10	117949032	A	G	0.585487	-0.003436	0.00815651	0.673566	0.565615	0.0867078	6.88E-11	-0.0060748	0.0144506	0.6742057	0.0914819	10	0.92192031
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.80704	0.07973	4.41E-24	0.0137512	0.0101962	0.1774434	0.4885636	19	0.68584723
ENSG00000227165	10	WDR11-AS1	122521324	rs12255539	10	122614377	A	G	0.157058	-0.0023013	0.012106	0.849233	-0.576531	0.0961945	2.06E-09	0.00399163	0.0210086	0.8493089	0.1577254	13	0.97248941
ENSG00000120008	10	WDR11	122610687	rs2000378	10	122636139	A	C	0.333996	-0.0054159	0.00883007	0.53965	-0.387067	0.0680946	1.31E-08	0.013992	0.0229452	0.5419922	0.6744582	10	0.88620808
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-1.07105	0.0947932	1.33E-29	-0.0028193	0.00784209	0.7192138	0.1134365	20	0.92595657
ENSG00000203791	10	METTL10	126436718	rs2293064	10	126396511	G	C	0.34493	0.00713192	0.00850719	0.40184	0.473709	0.077765	1.12E-09	0.0150555	0.018128	0.4062493	0.9440343	19	0.84999854
ENSG00000188690	10	UROS	127477146	rs4256900	10	127511756	T	C	0.44334	0.0199608	0.00814064	0.0142066	-0.72062	0.0573976	3.74E-36	-0.0276995	0.0115101	0.01610499	0.7946613	20	0.36968705
ENSG00000170430	10	MGMT	131265448	rs10741191	10	131307276	G	C	0.581511	-0.0059714	0.00808864	0.460363	0.542134	0.0776107	2.84E-12	-0.0110147	0.0150031	0.4628504	0.7626311	20	0.86360679
ENSG00000188385	10	JAKMIP3	133918175	rs7096456	10	133953469	T	C	0.33499	-0.0003402	0.0084391	0.96784	0.463623	0.0701475	3.86E-11	-0.0007339	0.0182028	0.9678407	0.03790594	10	0.99248639
ENSG00000235010	10	RP11-140A10.3	133994729	rs923662	10	134021967	G	A	0.805169	-0.0087253	0.010086	0.38699	-0.792485	0.139939	1.49E-08	0.01101	0.0128747	0.3924592	0.3028328	8	0.8356628
ENSG00000148814	10	LRRC27	134145614	rs56678407	10	134167502	A	C	0.11829	-0.0091651	0.0115163	0.426127	0.643381	0.10588	1.23E-09	-0.0142452	0.0180525	0.4300541	0.5775303	5	0.86360679
ENSG00000148824	10	MTG1	135207598	rs2297031	10	135232654	T	C	0.222664	-0.0004777	0.010111	0.962318	0.911229	0.105362	5.21E-18	-0.0005242	0.0110962	0.9623184	0.2090473	11	0.99049818
ENSG00000185627	11	PSMD13	236546	rs10400248	11	247029	T	C	0.729622	-0.0043732	0.00944716	0.643428	-0.445838	0.0774003	8.40E-09	0.00980892	0.021258	0.6444952	0.9464541	3	0.91901406
ENSG00000142102	11	ATHL1	289135	rs7924483	11	297638	A	T	0.744533	-0.0132033	0.0091022	0.146903	0.709417	0.0867667	2.93E-16	-0.0186115	0.0130309	0.1532177	0.01475907	12	0.66449104
ENSG00000255328	11	RP11-326C3.12	327171	rs34481144	11	320836	T	C	0.462227	0.00717489	0.00813614	0.377856	0.820786	0.088225	1.36E-20	0.00874149	0.00995705	0.3799876	0.7483809	15	0.8356628
ENSG00000270972	11	RP11-326C3.15	333192	rs7396777	11	328652	T	C	0.407555	0.00751228	0.00807313	0.352098	0.77059	0.113797	1.27E-11	0.00974874	0.010575	0.3565986	0.6638725	12	0.83557563
ENSG00000177042	11	TMEM80	695428	rs12277188	11	688091	T	C	0.492048	-0.0030327	0.0080503	0.706379	-0.769845	0.0834867	2.94E-20	0.0039394	0.0104658	0.7066131	0.9756439	20	0.92595657
ENSG00000255284	11	AP006621.5	777578	rs7104929	11	784340	G	C	0.445328	0.0004775	0.00809258	0.952948	0.546799	0.0747811	2.63E-13	0.00087326	0.0148004	0.95295	0.2347202	20	0.99049818
ENSG00000177697	11	CD151	832843	rs28648546	11	833327	G	A	0.7167	-0.0185734	0.010009	0.0635009	0.510301	0.0722635	1.65E-12	-0.036397	0.0202798	0.07269552	0.8116779	7	0.56532704
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.928819	0.0840308	2.11E-28	0.0107153	0.00899595	0.2336032	0.7875855	20	0.73698899
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.967022	0.102083	2.72E-21	-0.0005267	0.0112849	0.9627717	0.8072464	4	0.99049818
ENSG00000167325	11	RRM1	4115937	rs12806698	11	4115974	A	C	0.2833	0.00289706	0.00844048	0.731422	0.588917	0.106047	2.80E-08	0.0049193	0.0143596	0.7319142	0.3809314	9	0.92595657
ENSG00000166436	11	TRIM66	8633584	rs10840106	11	8701836	T	C	0.379722	-0.003077	0.00816145	0.70616	0.434455	0.0699903	5.39E-10	-0.0070825	0.0188201	0.706676	0.1461852	4	0.92595657
ENSG00000254860	11	TMEM9B-AS1	8986222	rs10840158	11	9020897	C	A	0.540755	-0.0004875	0.00806419	0.951791	0.814439	0.104031	4.93E-15	-0.0005986	0.00990182	0.9517928	0.5602995	20	0.99049818
ENSG00000133805	11	AMPD3	10329860	rs2071020	11	10478228	T	C	0.45328	-0.0106254	0.00814822	0.192229	0.534632	0.071918	1.05E-13	-0.0198742	0.0154735	0.1990007	0.7178316	12	0.71598135
ENSG00000110768	11	GTF2H1	18343842	rs4150655	11	18375164	T	A	0.71173	-0.0055362	0.00889519	0.533692	0.596895	0.0918886	8.26E-11	-0.009275	0.0149707	0.5355587	0.3204602	3	0.88383634
ENSG00000166796	11	LDHC	18433854	rs11605386	11	18433720	G	C	0.115308	0.0315272	0.0136316	0.0207339	1.68753	0.166303	3.41E-24	0.0186825	0.008285	0.02413504	0.8072848	15	0.42056674
ENSG00000109854	11	HTATIP2	20385231	rs10437608	11	20385606	A	G	0.538767	0.0017171	0.00807793	0.831665	0.486942	0.064196	3.32E-14	0.00352629	0.0165956	0.8317299	0.06822835	10	0.96890682
ENSG00000149089	11	APIP	34874641	rs74344381	11	34911691	T	C	0.328032	0.00375148	0.00922231	0.684167	0.966294	0.0749461	4.92E-38	0.00388234	0.00954875	0.6843159	0.1642257	20	0.92192031
ENSG00000149084	11	HSD17B12	43577986	rs57635800	11	43878485	A	G	0.303181	0.0046287	0.00878739	0.598372	-0.712548	0.07896	1.81E-19	-0.006496	0.0123533	0.5989936	0.3345214	9	0.90761156
ENSG00000110455	11	ACCS	44087475	rs178521	11	44096238	A	G	0.742545	-0.0038406	0.00924778	0.677922	0.681192	0.110558	7.21E-10	-0.0056381	0.0136067	0.6786109	0.5716446	17	0.92192031

ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	1.08321	0.127547	2.02E-17	-0.0070861	0.0100606	0.4812209	0.4802934	19	0.86360679
ENSG00000205106	11	CTD-2210P24.4	45792983	rs11038665	11	45830198	G	A	0.744533	-0.0122416	0.0088845	0.168246	-0.568517	0.0916119	5.44E-10	0.0215325	0.0160081	0.1785917	0.2804823	4	0.68805867
ENSG00000205035	11	RP11-707M1.1	49580098	rs1851864	11	49963349	G	A	0.592445	0.00961404	0.00817817	0.239765	0.636244	0.0815887	6.28E-15	0.0151106	0.0129991	0.2450571	0.01608801	18	0.7409144
ENSG00000255190	11	TRIM51DP	49896497	rs12785924	11	50201900	A	C	0.533797	0.00628586	0.00806048	0.435487	0.674042	0.101477	3.09E-11	0.00932562	0.0120406	0.4386249	0.1756913	11	0.86360679
ENSG00000134809	11	TIMM10	57295936	rs2467327	11	57279228	G	A	0.769384	-0.0060771	0.00962287	0.527699	-0.638972	0.0751663	1.88E-17	0.0095107	0.0151014	0.5288332	0.07740277	16	0.87974872
ENSG00000214872	11	SMTNL1	57308979	rs2848638	11	57311754	T	G	0.4334	0.0011393	0.00808312	0.887911	0.621436	0.097631	1.95E-10	0.00183333	0.0130104	0.8879383	0.4406191	4	0.98318933
ENSG00000166928	11	MS4A14	60146003	rs2241920	11	60164204	A	G	0.650099	-0.0252654	0.00834481	0.00246439	0.428677	0.076488	2.09E-08	-0.0589381	0.0221254	0.00772584	0.1278312	8	0.30020403
ENSG00000013725	11	CD6	60739115	rs2074227	11	60776781	C	T	0.357853	-0.0147868	0.0093533	0.113896	-0.71285	0.111646	1.71E-10	0.0207432	0.0135172	0.1248876	0.2699969	3	0.64527654
ENSG00000219435	11	TEX40	64067863	rs7938380	11	64034866	A	G	0.16501	0.0150794	0.0109412	0.168136	-0.609057	0.0933717	6.89E-11	-0.0247586	0.0183608	0.1775134	0.6274219	13	0.68584723
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-1.03953	0.130096	1.34E-15	0.0120149	0.00865022	0.1648402	0.4010018	6	0.66920201
ENSG00000014138	11	POLA2	65029233	rs12794623	11	65029437	A	C	0.0984095	-0.0334927	0.0103196	0.0011723	0.934778	0.147547	2.37E-10	-0.0358296	0.0124039	0.00386996	0.08416914	3	0.25465421
ENSG00000245532	11	NEAT1	65190245	rs674485	11	65197393	A	G	0.756461	-0.0025536	0.0109241	0.815172	-0.458212	0.073853	5.49E-10	0.00557299	0.0238576	0.8153005	0.2096608	10	0.96083941
ENSG00000172922	11	RNASEH2C	65482367	rs12281400	11	65474443	T	C	0.355865	0.00228576	0.00896253	0.798696	-0.42672	0.0717705	2.75E-09	-0.0053566	0.0210226	0.7988769	0.8754985	4	0.95556985
ENSG00000172803	11	SNX32	65601112	rs11227332	11	65623739	G	A	0.190855	0.00022982	0.0113253	0.98381	0.551856	0.0907442	1.19E-09	0.00041644	0.0205223	0.9838104	0.1240973	5	0.99485704
ENSG00000255320	11	RP11-755F10.1	66012311	rs2155198	11	66014300	T	C	0.173956	-0.0295182	0.0105816	0.00527764	1.28626	0.140962	7.18E-20	-0.0229489	0.00860248	0.0076372	0.1714263	16	0.30020403
ENSG00000174165	11	ZDHHC24	66288108	rs57724777	11	66236431	A	G	0.242545	0.00136319	0.0083189	0.869836	-0.694808	0.10979	2.48E-10	-0.001962	0.011977	0.8698794	0.1601597	8	0.9790964
ENSG00000173715	11	C11orf80	66511922	rs35287213	11	66569509	T	G	0.111332	0.0100335	0.0223793	0.653909	-0.841099	0.137114	8.55E-10	-0.011929	0.0266782	0.6547698	0.1839161	3	0.91901406
ENSG00000173156	11	RHOD	66824289	rs11227676	11	66840299	T	C	0.0735586	0.0119258	0.0161479	0.460189	-1.10931	0.142007	5.64E-15	-0.0107506	0.0146216	0.462183	0.7046488	6	0.86360679
ENSG00000197345	11	MRPL21	68658744	rs636049	11	68667198	C	A	0.300199	-0.0081456	0.0083271	0.327976	-0.876032	0.0761601	1.28E-30	0.00929824	0.00953979	0.3297187	0.3902655	20	0.80650617
ENSG00000132740	11	IGHMBP2	68671310	rs646586	11	68681653	G	A	0.317097	-0.0023254	0.008269	0.778542	0.506546	0.0739537	7.41E-12	-0.0045907	0.016338	0.778724	0.05093481	20	0.95087332
ENSG00000131626	11	PPFIA1	70116806	rs576588	11	70238887	G	T	0.346918	0.00148229	0.00820369	0.856614	-0.406787	0.0694307	4.66E-09	-0.0036439	0.0201766	0.8566816	0.04230507	6	0.974435
ENSG00000254682	11	RP11-660L16.2	71159720	rs11233747	11	71171642	A	G	0.700795	0.00740373	0.00824541	0.369227	0.910352	0.0885641	8.76E-25	0.00813282	0.00909188	0.3710465	0.2758285	17	0.8356628
ENSG00000214530	11	STARD10	72465774	rs519790	11	72504141	G	C	0.281312	-0.00665	0.00914589	0.467165	0.422551	0.0620742	9.95E-12	-0.0157377	0.0217676	0.4696874	0.3582489	10	0.86360679
ENSG00000175575	11	PAAF1	73587744	rs117816201	11	73664450	A	G	0.082505	-0.0034763	0.0174268	0.841888	-0.902035	0.0948927	1.98E-21	0.00385382	0.0193237	0.8419224	0.54167	7	0.97122302
ENSG00000165434	11	PGM2L1	74041363	rs3819114	11	73971403	C	A	0.178926	0.0102088	0.00857165	0.233653	0.256981	0.0463542	2.96E-08	0.0397259	0.0341162	0.2442505	0.3709261	5	0.7409144
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.34337	0.106682	2.33E-36	0.00070306	0.00637421	0.9121729	0.426566	20	0.98318933
ENSG00000241170	11	RP11-147I3.1	74587331	rs59143825	11	74599594	T	C	0.284294	0.00165238	0.00855712	0.846881	-0.754852	0.101682	1.14E-13	-0.002189	0.01134	0.8469318	0.4621403	18	0.97248941
ENSG00000255135	11	RP11-111M22.3	76152382	rs113130900	11	76152515	T	C	0.0457256	0.0113897	0.0176949	0.519788	-0.992447	0.153586	1.03E-10	-0.0114764	0.0179178	0.5218466	0.9756559	4	0.87918067
ENSG00000159063	11	ALG8	77811982	rs1075202	11	77813207	T	C	0.455268	0.0143265	0.00807036	0.0758665	0.585858	0.10276	1.19E-08	0.0244539	0.0144276	0.09008752	0.6252817	7	0.59196201
ENSG00000246174	11	KCTD21-AS1	77850817	rs28547	11	77872876	A	G	0.532803	-0.0153485	0.00807162	0.0572321	0.977889	0.0984164	2.90E-23	-0.0156955	0.00840392	0.06181142	0.1963928	20	0.55465399
ENSG00000188997	11	KCTD21	77882295	rs1263738	11	77857694	G	A	0.529821	-0.0152122	0.00807147	0.0594717	-0.499386	0.0690146	4.62E-13	0.0304618	0.016702	0.06817658	0.05878371	16	0.56532704
ENSG00000137513	11	NARS2	78147007	rs7124803	11	78280822	G	T	0.765408	-0.0036439	0.00888748	0.681805	0.684587	0.104578	5.90E-11	-0.0053227	0.0130077	0.6823931	0.1939185	9	0.92192031
ENSG00000245832	11	RP11-179A16.1	81590893	rs60491498	11	82433770	A	C	0.122266	-0.0014276	0.0125495	0.909428	1.02398	0.170106	1.75E-09	-0.0013942	0.0122578	0.9094442	0.7360563	5	0.98318933
ENSG00000182919	11	C11orf54	93474757	rs630811	11	93498552	A	G	0.634195	0.00409979	0.00844909	0.627511	-0.482835	0.0764876	2.74E-10	-0.0084911	0.0175505	0.6285226	0.1115561	5	0.91901406
ENSG00000020922	11	MRE11A	94152895	rs584707	11	94166440	C	T	0.284294	-0.0137242	0.0087564	0.117037	0.564319	0.0912914	6.35E-10	-0.0243199	0.0160078	0.1286974	0.9199308	18	0.64861908
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	0.883275	0.095632	2.55E-20	0.0124608	0.01384	0.367936	0.97388	10	0.8356628
ENSG00000149292	11	TTC12	113185251	rs4370966	11	113231691	A	G	0.460239	-0.0174799	0.00811873	0.0313163	-0.723588	0.0759618	1.64E-21	0.0241573	0.0115031	0.03572364	0.2852249	20	0.46095935
ENSG00000166682	11	TMPRSS5	113558272	rs7114297	11	113591402	A	G	0.302187	0.00285356	0.00860488	0.740176	0.837017	0.10111	1.25E-16	0.0034092	0.0102887	0.7403761	0.3505458	20	0.9268498
ENSG00000254851	11	RP11-109L13.1	117006244	rs488962	11	117072525	T	C	0.260437	-0.0054419	0.00884157	0.538229	0.946806	0.107799	1.59E-18	-0.0057477	0.00936121	0.5392226	0.5921896	20	0.88567963
ENSG00000255274	11	TMPRSS4-AS1	117886487	rs948460	11	117960018	T	A	0.27833	0.00325663	0.00874631	0.709637	0.641001	0.110216	6.03E-09	0.00508054	0.0136727	0.7102037	0.2512715	6	0.92595657
ENSG00000196655	11	TRAPPC4	118889142	rs11006	11	118895202	G	A	0.229622	-0.0032697	0.0095136	0.731078	0.776499	0.0786517	5.47E-23	-0.0042109	0.0122593	0.7312351	0.03541789	17	0.92595657
ENSG00000160695	11	VPS11	118938403	rs4614	11	118952371	G	A	0.360835	-0.0063613	0.00879176	0.469338	-0.47174	0.0690091	8.15E-12	0.0134848	0.018741	0.4718104	0.1856089	7	0.86360679
ENSG00000245498	11	RP11-677M14.7	124670346	rs490461	11	124680922	A	G	0.366799	-0.0048443	0.00879282	0.581678	0.570746	0.0898977	2.17E-10	-0.0084876	0.0154637	0.5830933	0.2548818	6	0.89828921
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.940887	0.0994637	3.09E-21	-0.0049909	0.00933516	0.5929011	0.21702	7	0.90323518
ENSG00000110074	11	FOXRED1	126138950	rs672908	11	126149651	G	C	0.76839	0.0180493	0.00970191	0.0628304	0.463028	0.0764174	1.37E-09	0.038981	0.0219186	0.07533059	0.8751325	9	0.57842988
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.810646	0.07758	1.48E-25	0.00293002	0.0099834	0.7691482	0.2725651	20	0.94322953
ENSG00000177406	12	RP11-218M22.1	740057	rs11609783	12	735768	A	G	0.0914513	-0.0160929	0.0124814	0.197277	1.01819	0.162004	3.28E-10	-0.0158054	0.0125137	0.2065725	0.9446477	10	0.72301278
ENSG00000078246	12	TULP3	2986389	rs2191208	12	3000403	C	T	0.440358	-0.0031158	0.00815997	0.702579	-0.547503	0.0753178	3.62E-13	0.00569095	0.0149245	0.7029694	0.3435647	10	0.92595657
ENSG00000111254	12	AKAP3	4724674	rs4766266	12	4749595	C	G	0.525845	-0.0023205	0.00828649	0.779451	0.63995	0.0998733	1.48E-10	-0.0036261	0.012961	0.7796553	0.8667115	12	0.95087332
ENSG00000111321	12	LTBR	6484211	rs10849448	12	6493351	G	A	0.737575	-0.014208	0.00945673	0.132987	-0.430721	0.0647737	2.94E-11	0.0329865	0.022509	0.1427895	0.6863657	6	0.65858471
ENSG00000139192	12	TAPBPL	6560856	rs2534711	12	6570821	G	T	0.307157	-0.0002758	0.00887685	0.975217	0.571081	0.0742816	1.49E-14	-0.0004829	0.0155441	0.9752169	0.2017245	14	0.99268816
ENSG00000111664	12	GNB3	6949118	rs1129649	12	6948468	C	T	0.358847	0.0004452	0.00858574	0.958645	-0.51878	0.0775875	2.29E-11	-0.0008582	0.0165504	0.9586466	0.08878205	10	0.99049818
ENSG00000111671	12	SPSB2	6980099	rs2269359	12	6993653	A	G	0.303181	-0.0061624	0.00936432	0.510489	0.887757	0.09215	5.75E-22	-0.0069416	0.0105729	0.5114725	0.2652087	14	0.87828611
ENSG00000248593	12	DSTNP2	6993846	rs10849538	12	7014607	G	A	0.298211	-0.0039148	0.00939682	0.676965	0.602196	0.0973497	6.17E-10	-0.0065009	0.0156396	0.6776542	0.5196628	6	0.92192031
ENSG00000139197	12	PEX5	7341281	rs10161170	12	7368629	C	T	0.271372	-0.0066475	0.00855152	0.436952	-0.680984	0.0808984	3.84E-17	0.00976165	0.012611	0.438897	0.08068203	15	0.86360679
ENSG00000164845	12	FAM86FP	8385108	rs12814685	12	8396487	A	G	0.225646	-0.004067	0.00997768	0.683564	0.731914	0.124865	4.58E-09	-0.0055566	0.0136652	0.684285	0.1065485	6	0.92192031
ENSG00000139187	12	KLRG1	9102640	rs12812329	12	9167788	C	T	0.264414	-0.000317	0.00906925	0.972115	0.608263	0.0896483	1.16E-11	-0.0005212	0.0149103	0.9721157	0.7832855	6	0.99268816
ENSG00000256427	12	RP11-118B22.4	9399093	rs6487748	12	9435768	G	A	0.462227	-0.0034496	0.00809668	0.670071	-0.670097	0.0975803	6.55E-12	0.0051479	0.0121061	0.6706673	0.2122695	20	0.92192031
ENSG00000111788	12	RP11-22B23.1	9429831	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-1.06691	0.0847177	2.29E-36	0.00323398	0.00759391	0.6702061	0.229995	20	0.92192031
ENSG00000214776	12	RP11-726G1.1	9620148	rs56222234	12	9557062	C	T	0.709742	0.00931896	0.00929124	0.315869	0.726232	0.120216	1.53E-09	0.0128319	0.0129689	0.3224483	0.6689789	20	0.80023666
ENSG00000256594	12	RP11-705C15.2	9787188	rs10844569	12	9870352	C	T	0.346918	0.0193524	0.00844281	0.0218958	0.674016	0.109349	7.10E-10	0.0287121	0.0133642	0.03167942	0.8918014	11	0.45426563
ENSG00000184293	12	CLECL1	9868456	rs10492165	12	9885961	G	A	0.496024	0.00844943	0.00808416	0.295938	-0.565304	0.0971402	5.90E-09	-0.0149467	0.0145294	0.3036096	0.1303668	3	0.78199769
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.6556	0.226742	2.84E-13	-0.0083747	0.0115367	0.4678867	0.5273733	8	0.86360679
ENSG00000245648	12	RP11-277P12.20	10516368	rs1841957	12	10562025	T	C	0.663022	-0.0116272	0.00850525	0.171608	-0.53867	0.0962693	2.20E-08	0.021585	0.0162538	0.1841777	0.1430911	8	0.69578242
ENSG00000205809	12	KLRC2	10579453	rs61917662	12	10581514	T	C	0.175944	0.00800723	0.0103534	0.439291	-0.96071	0.129755	1.32E-13	-0.0083347	0.0108355	0.4417708	0.07752653	17	0.86360679
ENSG00000134545	12	KLRC1	10594863	rs56389700	12	10671639	T	C	0.140159	-0.025424	0.012471	0.0414849	1.33757	0.19004	1.95E-12	-0.0190076	0.00970686	0.05021092	0.8742213	8	0.51343497
ENSG00000111215	12	PRR4	10977559	rs10772410	12	11153763	G	A	0.382704	-0.0030267	0.00863902	0.726076	-0.526931	0.0954502	3.38E-08	0.005744	0.016428	0.7266031	0.6775786	4	0.92595657
ENSG00000231887	12	PRH1	11033610	rs61928603	12	11311787	T	C	0.841948	0.00460971	0.0142456	0.746249	-1.00859	0.136913	1.75E-13	-0.0045705	0.0141379	0.7464858	0.656559	20	0.9268498
ENSG00000212127	12	TAS2R14	11090005	rs10845264	12	11125159	T	C	0.214712	0.0102032	0.0089996	0.256903	0.714238	0.110009	8.44E-11	0.0142854	0.0127909	0.264063	0.9847756	17	0.75130895
ENSG00000256274	12	TAS2R64P	11229368	rs7303382	12	11161382	T	C	0.382704	-0.0030149	0.00863858	0.727086	0.897184	0.107911	9.25E-17	-0.0033604	0.00963703	0.7273168	0.7390328	10	0.92595657
ENSG00000182993	12	C12orf60	14956506	rs10744078	12	14978535	G	T	0.410537	-0.0039774	0.00811388	0.623993	0.728559	0.0866228	4.08E-17	-0.0054593	0.0111558	0.6245813	0.7296406	11	0.91877428
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.4501	0.185682	5.74E-15	-0.0093524	0.00941938	0.3207645	0.4462506	8	0.7975132
ENSG00000257176	12	RP11-996F15.2	29433351	rs7136223	12	29437861	G	A	0.2833	0.00643919	0.00886468	0.467602	0.598921	0.0896334	2.36E-11	0.0107513	0.0148883	0.4702129	0.9710986	7	0.86360679
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	0.959034	0.116436	1.77E-16	0.00794279	0.0134701	0.5554167	0.6961858	7	0.8863058
ENSG00000013573	12	DDX11	31226779	rs1046457	12	31256546	A	G	0.43837	-0.0105127	0.00813358	0.196183	-1.1812	0.0844576	1.91E-44	0.00890002	0.0069152	0.1980868	0.9849716	20	0.71598135
ENSG00000257261	12	RP11-96H19.1	46777462	rs11613912	12	46739740	T	C	0.296223	-0.011364	0.00907935	0.210706	0.621922	0.094378	4.41E-11	-0.0182724	0.0148599	0.2188292	0.8284402	9	0.72943067
ENSG00000240399	12	RP1-228P16.1	48448596	rs11168371	12	48437686	A	G	0.224652	0.0438786	0.0115188	0.00013936	-0.846914	0.129352	5.86E-11	-0.05181	0.0157354	0.00099273	0.6728721	10	0.18091899
ENSG00000134285	12	FKBP11	49315301	rs2293449	12	49318546	A	G	0.49006	-0.0036539	0.00810242	0.652016	-0.46407	0.0791628	4.57E-09	0.0078736	0.0175111	0.6529732	0.6528761	11	0.91901406
ENSG00000169884	12	WNT10B	49359123	rs833840	12	49366150	G	C	0.430417	-0.0035953	0.00808659	0.656612	0.348676	0.0583965	2.36E-09	-0.0103111	0.0232565	0.6575005	0.2063536	14	0.91901406
ENSG00000161798	12	AQP5	50355653	rs611042	12	50416221	T	C	0.0785288	0.00819881	0.0165716	0.620776	-0.887965	0.138248	1.34E-10	-0.0092333	0.0187177	0.6218081	0.2068829	8	0.91768615
ENSG00000272368	12	RP4-605O3.4	50505980	rs836180	12	50503269	T	C	0.395626	-0.0003305	0.00834475	0.968403	0.605684	0.0885245	7.81E-12	-0.0005457	0.0137776	0.968404	0.7696688	10	0.99248639
ENSG00000139624	12	CERS5	50523575	rs7306677	12	51205763	T	C	0.387674	-0.0013038	0.00847849	0.877788	-0.442692	0.0724577	9.98E-10	0.00294509	0.0191582	0.8778264	0.5834468	20	0.98318933
ENSG00000139629	12	GALNT6	51745031	rs3782473	12	51756269	C	T	0.281312	-0.0038831	0.0085967	0.65149	-0.513062	0.067495	2.93E-14	0.00756842	0.0167852	0.6520632	0.1964163	8	0.91901406
ENSG00000205426	12	KRT81	52679697	rs2857673	12	52707973	G	C	0.406561	0.0100339	0.00849766	0.237691	0.661385	0.100576	4.83E-11	0.015171	0.0130538	0.2451555	0.6674069	6	0.7409144
ENSG00000111077	12	TENC1	53440753	rs6580927	12	53450000	T	C	0.349901	0.0152538	0.00840257	0.0694672	-0.389344	0.0525648	1.29E-13	-0.0391782	0.0222201	0.07786871	0.5574629	9	0.57842988
ENSG00000135437	12	RDH5	56114151	rs3138141	12	56115778	A	C	0.191849	-0.0017964	0.0108589	0.868604	-0.639155	0.0980182	6.99E-11	0.00281059	0.0169949	0.8686465	0.3749846	3	0.9790964
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.1094	0.0753374	4.41E-49	0.0180187	0.00746018	0.01572178	0.477342	18	0.36968705
ENSG00000257303	12	RP11-977G19.11	56693926	rs2066818	12	56753822	A	C	0.0636183	-0.0053403	0.0177429	0.763428	-0.741333	0.134252	3.35E-08	0.00720366	0.0239693	0.7637677	0.9673416	3	0.9374766
ENSG00000123427	12	METTL21B	58165275	rs10783848	12	58196528	A	G	0.319085	-0.0215891	0.00847211	0.0108263	0.720624	0.100954	9.46E-13	-0.0299589	0.0124833	0.01639893	0.3170946	20	0.36968705
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.830596	0.0887799	8.31E-21	0.0356651	0.0110093	0.00119726	0.6132878	20	0.18091899
ENSG00000239335	12	RP11-745O10.2	66524531	rs1370126	12	66546892	G	A	0.435388	0.0130862	0.00806503	0.104679	-1.1235	0.0895107	3.90E-36	-0.0116477	0.00723822	0.1075737	0.0906787	13	0.6086128
ENSG00000127337	12	YEATS4	69753483	rs11177644	12	69785748	G	A	0.452286	0.00602345	0.00831218	0.468664	-0.416715	0.0721366	7.62E-09	-0.0144546	0.0201032	0.4721296	0.3700686	6	0.86360679
ENSG00000166268	12	MYRFL	70219084	rs66994330	12	70253804	A	G	0.0646123	0.0125654	0.0146122	0.389831	1.53023	0.236989	1.07E-10	0.00821145	0.00963333	0.3939925	0.8150175	5	0.8356628
ENSG00000257815	12	RP11-611E13.2	70297813	rs78129473	12	70636829	A	G	0.170974	-0.0101216	0.0130766	0.43892	0.906452	0.12964	2.71E-12	-0.0111662	0.0145143	0.4417008	0.3623359	14	0.86360679
ENSG00000236333	12	TRHDE-AS1	72647288	rs12820527	12	72740619	T	C	0.0815109	0.00095254	0.0170474	0.955441	1.3963	0.223212	3.96E-10	0.00068219	0.0122095	0.9554422	0.9405212	3	0.99049818
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-1.14385	0.0853816	6.30E-41	-0.0033203	0.00734519	0.6512442	0.3413639	20	0.91901406
ENSG00000166130	12	IKBIP	99007183	rs12829605	12	99127431	G	T	0.180915	-0.015854	0.0104754	0.130165	0.638483	0.103037	5.77E-10	-0.0248307	0.016889	0.1414982	0.9003669	12	0.65858471
ENSG00000111666	12	CHPT1	102090725	rs2559851	12	102092989	A	C	0.610338	0.0216954	0.00820845	0.00821599	0.320168	0.0531968	1.76E-09	0.0677626	0.0280012	0.01552111	0.3323057	5	0.36968705
ENSG00000257681	12	RP11-341G23.4	104140093	rs11111765	12	104172519	C	G	0.247515	-0.0100726	0.00986399	0.307185	0.726047	0.128458	1.59E-08	-0.0138732	0.0138058	0.3149547	0.2109181	7	0.7975132
ENSG00000139433	12	GLTP	110288748	rs2193534	12	110297222	A	G	0.450298	0.00920525	0.00812479	0.257221	-0.29722	0.0505155	4.01E-09	-0.0309712	0.0278381	0.2659042	0.1137953	8	0.75339523
ENSG00000257218	12	GATC	120884241	rs680795	12	120906034	G	C	0.648111	0.0100653	0.00871923	0.248346	0.778012	0.0896686	4.08E-18	0.0129372	0.0113058	0.2525009	0.1734749	20	0.74711929
ENSG00000111364	12	DDX55	124086624	rs111507681	12	124088418	T	C	0.114314	0.019083	0.0141428	0.177238	-0.87656	0.141602	6.00E-10	-0.0217703	0.0165133	0.1873853	0.9419992	8	0.69820276
ENSG00000185163	12	DDX51	132621139	rs7963140	12	132654139	C	G	0.139165	-0.0101981	0.0115635	0.377821	0.685027	0.111827	9.03E-10	-0.0148872	0.0170544	0.3827059	0.08846517	14	0.8356628
ENSG00000256576	12	RP13-977J11.2	132671287	rs6598204	12	132672623	T	A	0.479125	0.0126395	0.00813566	0.120282	0.467904	0.0744154	3.22E-10	0.027013	0.0179103	0.1314943	0.1407967	9	0.64861908
ENSG00000027001	13	MIPEP	24304328	rs139072184	13	24469034	C	T	0.133201	-0.0247995	0.0139116	0.0746432	0.837086	0.146564	1.12E-08	-0.029626	0.0174098	0.08881429	0.7689767	3	0.59196201
ENSG00000240654	13	C1QTNF9	24881304	rs73446217	13	24475407	C	G	0.134195	-0.0252633	0.0139693	0.070531	0.97528	0.158565	7.72E-10	-0.0259036	0.0149297	0.08273363	0.9170568	3	0.5890981
ENSG00000205822	13	TPTE2P6	24982295	rs4090063	13	25154049	T	C	0.295229	-0.0024518	0.00878308	0.780128	-0.966182	0.13795	2.49E-12	0.00253763	0.00909772	0.7802985	0.9873725	11	0.95087332
ENSG00000253771	13	TPTE2P1	25498815	rs9511525	13	25528058	A	G	0.137177	-0.0033061	0.0119843	0.782647	0.982119	0.174284	1.75E-08	-0.0033663	0.0122171	0.7829	0.9520272	12	0.95131842
ENSG00000120669	13	SOHLH2	36742345	rs7997336	13	36802360	A	C	0.471173	0.0153581	0.00822219	0.0617789	0.871476	0.0938416	1.59E-20	0.0176231	0.00962374	0.06706918	0.8261594	20	0.56532704
ENSG00000242715	13	CCDC169	36801182	rs73169235	13	36904145	T	C	0.215706	0.0140735	0.0102604	0.170176	-0.774428	0.118293	5.88E-11	-0.0181728	0.0135367	0.1794392	0.838101	16	0.68921352
ENSG00000150893	13	FREM2	39261266	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.657459	0.111929	4.26E-09	0.0178445	0.0128435	0.1647187	0.04039138	3	0.66920201
ENSG00000176268	13	CYCSP34	41437735	rs9525427	13	41492165	A	G	0.712724	-0.0095952	0.00875775	0.273246	0.720511	0.123104	4.83E-09	-0.0133171	0.012366	0.2815194	0.4754764	8	0.7622481
ENSG00000120675	13	DNAJC15	43597339	rs17553846	13	43613458	T	A	0.252485	0.0101519	0.0092983	0.274922	-0.84514	0.0711757	1.62E-32	-0.0120121	0.0110485	0.2769416	0.01492292	20	0.75782812
ENSG00000227258	13	SMIM2-AS1	44716682	rs76367685	13	44717742	T	C	0.707753	-0.0127751	0.00906909	0.15894	-1.02803	0.141437	3.64E-13	0.0124268	0.00898596	0.1666923	0.3155668	13	0.67270483
ENSG00000235903	13	CPB2-AS1	46626941	rs56088819	13	46685361	C	T	0.262425	0.00186818	0.00896576	0.834942	1.15133	0.103128	6.11E-29	0.00162263	0.00778866	0.8349697	0.09005064	14	0.96890682
ENSG00000123179	13	EBPL	50234859	rs9562915	13	50283389	C	T	0.215706	-0.0025155	0.00980292	0.797486	-0.676619	0.0895467	4.15E-14	0.00371768	0.0144964	0.7976001	0.3573942	12	0.95556985
ENSG00000237152	13	DLEU7-AS1	51381992	rs2812238	13	51300278	C	T	0.153082	-0.0073576	0.0112617	0.513541	-0.842892	0.109608	1.47E-14	0.00872903	0.0134089	0.5150549	0.1296828	7	0.87918067
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.595505	0.0685944	3.90E-18	-0.0063425	0.0137953	0.6456891	0.5413595	11	0.91901406
ENSG00000272281	13	TPTE2P2	52793479	rs9535989	13	52874368	G	A	0.0497018	0.0380616	0.0162706	0.0193206	1.12919	0.19737	1.06E-08	0.033707	0.015567	0.03036636	0.7942519	15	0.44889402
ENSG00000136108	13	CKAP2	53029564	rs11148252	13	53009048	T	C	0.604374	-0.0032994	0.00820595	0.687627	-0.575947	0.0958916	1.90E-09	0.0057287	0.0142796	0.6882877	0.00483473	11	0.92192031
ENSG00000230223	13	ATXN8OS	70681345	rs1372231	13	70601678	G	T	0.892644	0.00328451	0.0126173	0.794618	1.01567	0.164833	7.19E-10	0.00323384	0.0124337	0.7947975	0.763076	4	0.9531963
ENSG00000118939	13	UCHL3	76123619	rs3818355	13	76196867	T	C	0.882704	0.00430329	0.0129772	0.74019	1.03349	0.107895	9.83E-22	0.00416384	0.0125642	0.7403383	0.5858682	10	0.9268498
ENSG00000229865	13	RPL31P54	78996958	rs9574237	13	78993239	G	T	0.247515	0.0148809	0.00883067	0.0919623	-0.807898	0.12445	8.49E-11	-0.0184193	0.0112927	0.1028733	0.04732125	8	0.6086128
ENSG00000227354	13	RBM26-AS1	79980444	rs9574424	13	80022676	A	G	0.0815109	-0.0065037	0.0106301	0.540656	1.37721	0.180085	2.05E-14	-0.0047224	0.00774324	0.5419475	0.1007823	8	0.88620808
ENSG00000080166	13	DCT	95089558	rs4442657	13	95199210	T	C	0.2833	-0.0128023	0.00853549	0.133642	0.739734	0.110698	2.35E-11	-0.0173066	0.0118257	0.1433362	0.2526636	6	0.65858471
ENSG00000152749	13	GPR180	95254157	rs7322704	13	95217146	G	C	0.601392	-0.0048852	0.0081554	0.549164	0.449432	0.074143	1.35E-09	-0.0108697	0.0182344	0.5511021	0.08483844	6	0.88620808
ENSG00000260992	13	DOCK9-AS2	99740073	rs2390184	13	99699439	T	C	0.299205	-0.0078458	0.00884578	0.375102	-0.611433	0.102684	2.61E-09	0.0128319	0.0146269	0.380336	0.8024218	7	0.8356628
ENSG00000230156	13	LINC00443	107306264	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.774729	0.0949547	3.38E-16	0.00112632	0.0107704	0.9167125	0.1470798	9	0.98318933
ENSG00000092094	14	OSGEP	20914570	rs1878703	14	20920749	G	C	0.633201	0.011937	0.00867994	0.169057	0.697633	0.0734573	2.16E-21	0.0171107	0.0125718	0.1734997	0.04512747	10	0.68334428
ENSG00000257285	14	RP11-298I3.1	23398818	rs34026312	14	23398995	A	G	0.342942	-0.0041446	0.00875226	0.635823	0.742947	0.112187	3.53E-11	-0.0055786	0.0118105	0.6366824	0.5664509	8	0.91901406
ENSG00000092036	14	HAUS4	23415437	rs8016027	14	23420153	C	T	0.580517	-0.0053783	0.0081162	0.507547	-0.647831	0.0681398	1.96E-21	0.00830201	0.0125587	0.5085748	0.02696219	20	0.87828611
ENSG00000187630	14	DHRS4L2	24439148	rs58909995	14	24412383	A	C	0.0497018	-0.0085856	0.0386899	0.824386	-1.09275	0.120792	1.48E-19	0.00785685	0.0354166	0.824438	0.7643195	16	0.96491883
ENSG00000157379	14	DHRS1	24759804	rs12892419	14	24768534	T	G	0.49503	0.010087	0.00805672	0.210573	-0.679313	0.091015	8.41E-14	-0.0148488	0.0120258	0.2169246	0.04221034	6	0.72835202
ENSG00000139899	14	CBLN3	24895738	rs4982912	14	24903284	G	A	0.763419	-0.0019119	0.00875807	0.827199	0.706122	0.10616	2.90E-11	-0.0027075	0.0124097	0.8272902	0.06061902	4	0.96615543
ENSG00000203546	14	RP11-176H8.1	31803518	rs34024670	14	31896969	A	G	0.387674	-0.0043272	0.00808191	0.592358	0.633723	0.0914268	4.16E-12	-0.0068283	0.0127911	0.5934573	0.4088845	10	0.90323518
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	0.861128	0.118408	3.53E-13	-0.0011878	0.00936398	0.8990617	0.3370737	8	0.98318933
ENSG00000165502	14	RPL36AL	50085237	rs2985686	14	50100683	G	C	0.760437	-0.0095215	0.00962053	0.322321	0.496826	0.0780749	1.97E-10	-0.0191646	0.0195968	0.328102	0.7776134	6	0.80402073
ENSG00000131966	14	ACTR10	58666798	rs117034962	14	58806602	A	G	0.0497018	-0.0500366	0.0178019	0.00494265	-0.609209	0.10111	1.69E-09	0.0821337	0.0322445	0.01085869	0.3921748	7	0.34723615
ENSG00000126790	14	L3HYPDH	59927081	rs1253098	14	59945536	G	A	0.469185	-0.0126899	0.00852617	0.136658	-0.68935	0.0820545	4.42E-17	0.0184085	0.012561	0.1427774	0.3485156	20	0.65858471
ENSG00000258289	14	CHURC1	65381079	rs2412065	14	65407657	G	C	0.186879	0.00757463	0.00960444	0.430312	0.631505	0.0821165	1.47E-14	0.0119946	0.0152886	0.4327207	0.9939503	15	0.86360679
ENSG00000184227	14	ACOT1	74003818	rs2041073	14	73972535	C	T	0.497018	0.0091672	0.0082223	0.264885	-0.579715	0.103254	1.97E-08	-0.0158133	0.0144603	0.2741454	0.6542479	7	0.75782812
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.16221	0.120987	7.54E-22	-0.0132698	0.00929604	0.153445	0.8034971	11	0.66449104
ENSG00000258586	14	RP5-1021I20.2	74289262	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.10348	0.134054	1.85E-16	-0.0139761	0.00982984	0.1550844	0.9767155	12	0.66449104
ENSG00000140043	14	PTGR2	74318547	rs1963798	14	74372862	C	T	0.855865	-0.0048553	0.0136092	0.721267	-0.59247	0.0892951	3.25E-11	0.00819498	0.0230035	0.7216534	0.390933	16	0.92595657
ENSG00000119718	14	EIF2B2	75469614	rs6574208	14	75657351	G	A	0.49503	-0.000435	0.00806281	0.95697	-0.417601	0.0681535	8.94E-10	0.00104176	0.0193082	0.9569715	0.3458554	15	0.99049818
ENSG00000100577	14	GSTZ1	77787227	rs2193594	14	77786021	G	A	0.295229	-0.0002396	0.00836933	0.977156	0.41364	0.0725757	1.20E-08	-0.0005794	0.0202336	0.9771567	0.1302673	11	0.99268816
ENSG00000042317	14	SPATA7	88851268	rs28711639	14	88948621	C	G	0.296223	-0.0070657	0.00893343	0.428984	-0.661005	0.0839932	3.55E-15	0.0106894	0.013583	0.4313013	0.5651385	16	0.86360679
ENSG00000258983	14	RP11-507K2.2	88965678	rs2297128	14	88936254	G	A	0.228628	-0.0102702	0.00942596	0.275905	0.694753	0.124274	2.26E-08	-0.0147825	0.0138226	0.2848699	0.9017577	7	0.76565823
ENSG00000140025	14	EFCAB11	90261013	rs7141637	14	90376922	A	C	0.0864811	-0.0110255	0.0120407	0.359831	0.815127	0.146933	2.90E-08	-0.0135261	0.0149714	0.366281	0.7714887	6	0.8356628
ENSG00000165929	14	TC2N	92246095	rs10498632	14	92290744	G	A	0.34493	0.00589747	0.00832117	0.478492	0.675671	0.0997681	1.27E-11	0.00872832	0.0123827	0.4808839	0.696628	11	0.86360679
ENSG00000165948	14	IFI27L1	94547628	rs7157940	14	94563193	C	T	0.492048	0.00716159	0.00827253	0.38665	0.362604	0.0664933	4.95E-08	0.0197504	0.0230999	0.3925508	0.7625079	5	0.8356628
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.886258	0.124467	1.08E-12	-0.0203558	0.0145004	0.1603765	0.7265944	5	0.66449104

ENSG00000271780	14	RP11-1017G21.5	102414684	rs2448241	14	102414767	A	G	0.084493	0.00781294	0.0125819	0.534621	0.782861	0.128421	1.09E-09	0.00997998	0.0161549	0.5367271	0.5963695	5	0.88383634
ENSG00000166183	14	ASPG	104552016	rs1770988	14	104552382	G	A	0.185885	0.022786	0.0100745	0.0237132	-0.849407	0.136738	5.23E-10	-0.0268258	0.0126223	0.03356468	0.9950563	4	0.45654991
ENSG00000258701	14	LINC00638	105287538	rs12894160	14	105289827	T	C	0.233598	3.57E-06	0.00901418	0.999684	-0.721377	0.1186	1.18E-09	-4.95E-06	0.0124958	0.9996838	0.4318497	5	0.9996838
ENSG00000183828	14	NUDT14	105639275	rs11160838	14	105648901	C	T	0.625249	-0.0088932	0.00835633	0.287218	0.601279	0.0671114	3.26E-19	-0.0147905	0.0139953	0.2905955	0.5383095	10	0.77340485
ENSG00000259905	15	PWRN1	24738284	rs4628921	15	24350703	G	T	0.425447	-0.0041794	0.00807053	0.604559	0.67067	0.0967331	4.11E-12	-0.0062316	0.0120671	0.6055639	0.574935	20	0.91143334
ENSG00000261377	15	RP11-578F21.12	29034810	rs7179973	15	29078589	C	G	0.167992	-0.0015469	0.014208	0.913303	-1.11672	0.095491	1.36E-31	0.00138518	0.0127235	0.9133074	0.181677	20	0.98318933
ENSG00000134160	15	TRPM1	31293264	rs3809579	15	31394322	T	C	0.584493	0.006059	0.00808677	0.453708	-1.0142	0.0922168	3.91E-28	-0.0059742	0.00799203	0.4547523	0.8871716	8	0.86360679
ENSG00000169918	15	OTUD7A	31775329	rs34905056	15	32142710	C	T	0.529821	0.00842712	0.00807043	0.296394	-0.352479	0.061058	7.79E-09	-0.0239081	0.0232677	0.3041741	0.6867098	6	0.78199769
ENSG00000254912	15	RP11-632K20.2	32786204	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	1.28841	0.147336	2.24E-18	0.00036845	0.00745056	0.9605584	0.5043252	3	0.99049818
ENSG00000232653	15	GOLGA8N	32885657	rs8037102	15	32932650	G	A	0.747515	0.00669421	0.00931268	0.472248	-0.642305	0.112535	1.15E-08	-0.0104222	0.0146134	0.475726	0.9031168	7	0.86360679
ENSG00000248905	15	FMN1	33057747	rs144681281	15	33468190	T	C	0.0129225	-0.0376382	0.0533092	0.480166	1.59759	0.268887	2.82E-09	-0.0235594	0.0336033	0.4832388	0.3762675	15	0.86360679
ENSG00000259446	15	RP11-489D6.2	33595858	rs2251107	15	33598402	G	T	0.472167	-0.0094802	0.00807049	0.240123	-0.721266	0.0829683	3.52E-18	0.0131439	0.011291	0.2443834	0.542311	20	0.7409144
ENSG00000184984	15	CHRM5	34260921	rs1685119	15	34277053	T	C	0.601392	0.00859476	0.00817478	0.293087	-0.878046	0.139351	2.96E-10	-0.0097885	0.00943891	0.2997184	0.1696798	6	0.78199769
ENSG00000128944	15	KNSTRN	40674922	rs7166991	15	40671957	G	A	0.0994036	-0.025456	0.0113439	0.0248308	1.50308	0.14228	4.37E-26	-0.0169359	0.00771549	0.02816001	0.6940624	15	0.43607365
ENSG00000128891	15	C15orf57	40820882	rs34305357	15	40976933	G	C	0.429423	0.0153722	0.00865054	0.0755649	-0.779176	0.0917635	2.05E-17	-0.0197288	0.0113427	0.08197491	0.01945277	20	0.58839749
ENSG00000137804	15	NUSAP1	41624892	rs7167706	15	41569644	A	C	0.262425	0.0101519	0.00921543	0.270629	1.01695	0.121238	4.94E-17	0.00998269	0.00913965	0.2747274	0.01578222	20	0.75782812
ENSG00000137806	15	NDUFAF1	41679551	rs7168002	15	41670186	C	T	0.272366	0.0239568	0.00880535	0.00651433	-0.44382	0.0770547	8.42E-09	-0.0539786	0.021942	0.01389116	0.08785625	10	0.36968705
ENSG00000103932	15	RPAP1	41809374	rs2297380	15	41819322	T	C	0.43837	-0.0054915	0.00812691	0.499223	0.465821	0.0782098	2.58E-09	-0.0117888	0.0175583	0.5019626	0.9269498	7	0.87521684
ENSG00000168803	15	ADAL	43622872	rs956391	15	43617493	C	T	0.125249	0.00701863	0.0142396	0.622088	-0.849637	0.0970163	1.99E-18	-0.0082607	0.0167862	0.6226371	0.09110959	20	0.91768615
ENSG00000242866	15	STRC	43891596	rs533143	15	44188854	C	T	0.293241	-0.0194428	0.0108986	0.0744286	0.591912	0.107143	3.30E-08	-0.0328475	0.0193487	0.08957322	0.1989331	8	0.59196201
ENSG00000249839	15	AC011330.5	43955852	rs7178343	15	44026936	A	G	0.712724	0.0263919	0.0102602	0.0101037	0.81047	0.131586	7.31E-10	0.0325637	0.0137192	0.01761634	0.2913584	17	0.37434723
ENSG00000205771	15	CATSPER2P1	44019116	rs825735	15	43542702	A	T	0.0586481	-0.0050194	0.0117119	0.668235	-1.02749	0.175078	4.39E-09	0.0048851	0.0114289	0.6690635	0.7330775	11	0.92192031
ENSG00000259539	15	CTD-2651B20.1	45444862	rs2292467	15	45457458	T	G	0.33499	0.0214008	0.00848926	0.0117047	-0.74283	0.132246	1.94E-08	-0.0288098	0.0125265	0.02145282	0.3558082	7	0.40266898
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	0.921155	0.0983141	7.29E-21	-0.006131	0.00896197	0.493907	0.4014786	20	0.87284554
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.775742	0.0968006	1.11E-15	-0.0067798	0.0105802	0.5216524	0.4230113	17	0.87918067
ENSG00000171763	15	SPATA5L1	45694529	rs10519021	15	45631795	A	G	0.277336	0.0123624	0.0086895	0.154827	0.961624	0.129006	9.05E-14	0.0128558	0.00919939	0.1622761	0.9048196	13	0.66877423
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.832876	0.0753649	2.16E-28	0.00739567	0.0111117	0.5056816	0.4832156	18	0.87828611
ENSG00000259577	15	RP11-430B1.2	52472290	rs7164508	15	52477809	A	G	0.146123	0.00168702	0.0122189	0.890188	-0.661553	0.0975699	1.20E-11	-0.0025501	0.0184739	0.8902105	0.9125999	13	0.98318933
ENSG00000047346	15	FAM214A	52873514	rs11633933	15	52948357	C	T	0.777336	0.00983111	0.0104499	0.346815	0.56906	0.0953549	2.40E-09	0.0172761	0.0185902	0.3527292	0.7146257	4	0.83166805
ENSG00000245975	15	RP11-30K9.6	59060271	rs17269439	15	59063144	A	C	0.0298211	-0.0028142	0.0244086	0.908212	1.23445	0.171423	5.97E-13	-0.0022797	0.0197754	0.9082243	0.2408198	7	0.98318933
ENSG00000103642	15	LACTB	63413999	rs7177694	15	63379737	T	C	0.498012	-0.0033179	0.00809396	0.681861	0.510027	0.0770818	3.67E-11	-0.0065054	0.0159001	0.6824371	0.9147718	7	0.92192031
ENSG00000259459	15	RP11-321G12.1	63682335	rs2036260	15	63691502	G	A	0.271372	0.00295019	0.00858046	0.730976	0.553138	0.097357	1.33E-08	0.00533355	0.0155407	0.731449	0.2378749	5	0.92595657
ENSG00000075131	15	TIPIN	66628544	rs62010229	15	66752406	C	G	0.107356	-0.0010957	0.0149076	0.941412	1.64331	0.208063	2.83E-15	-0.0006667	0.00907208	0.9414139	0.8356054	7	0.99049818
ENSG00000260657	15	RP11-315D16.4	68560130	rs10444850	15	68588935	A	G	0.352883	0.00111447	0.00899839	0.901432	0.988586	0.112075	1.14E-18	0.00112734	0.00910318	0.901442	0.9980311	14	0.98318933
ENSG00000138621	15	PPCDC	75315896	rs8024931	15	75385883	C	G	0.0984095	-0.0149226	0.012912	0.247798	0.819476	0.139113	3.84E-09	-0.0182099	0.0160568	0.2567546	0.1723308	8	0.74711929
ENSG00000140400	15	MAN2C1	75648133	rs4886700	15	75701966	A	G	0.280318	0.00176661	0.00979169	0.856823	0.481319	0.0788243	1.02E-09	0.00367035	0.0203523	0.8568852	0.3053349	9	0.974435
ENSG00000169752	15	NRG4	76228310	rs184580	15	76327581	C	T	0.82008	0.00762534	0.0106216	0.472815	1.0669	0.143875	1.21E-13	0.00714719	0.0100021	0.4748761	0.694399	10	0.86360679
ENSG00000259362	15	RP11-307C19.1	77817882	rs11630540	15	77833625	A	G	0.373757	-0.0120158	0.00825253	0.145388	0.710208	0.122974	7.68E-09	-0.0169187	0.0119835	0.1579979	0.2042994	12	0.66449104
ENSG00000260776	15	RP11-114H24.2	78206559	rs7175950	15	78236353	G	A	0.489066	0.00495198	0.00814426	0.543165	0.901891	0.0985185	5.46E-20	0.00549066	0.0090501	0.5440524	0.251481	20	0.88620808
ENSG00000183476	15	SH2D7	78370150	rs11072729	15	78402001	C	A	0.281312	-0.0001168	0.00850564	0.989046	0.528948	0.094679	2.31E-08	-0.0002208	0.0160803	0.9890457	0.1864739	8	0.99504682
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.643692	0.0830931	9.44E-15	-0.0018706	0.0142053	0.8952338	0.1649936	14	0.98318933
ENSG00000169684	15	CHRNA5	78857862	rs3813571	15	78832792	T	G	0.371769	0.00381849	0.00834278	0.647168	0.684979	0.102298	2.14E-11	0.00557461	0.012208	0.6479338	0.9584616	16	0.91901406
ENSG00000166557	15	TMED3	79603404	rs187667106	15	79705748	T	A	0.0188867	-0.0487519	0.0376139	0.194936	-1.72004	0.286346	1.89E-09	0.0283435	0.0223713	0.205171	0.3274829	3	0.72301278
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.780656	0.10345	4.48E-14	-0.0057057	0.0104165	0.583858	0.5730171	10	0.89828921
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-0.913627	0.10447	2.22E-18	0.00061432	0.0113346	0.9567772	0.117774	13	0.99049818
ENSG00000169609	15	C15orf40	83657193	rs6603041	15	83670073	C	A	0.483101	-0.0102367	0.00806241	0.204199	-0.679751	0.0913813	1.02E-13	0.0150595	0.0120324	0.2107225	0.7876873	20	0.72301278
ENSG00000176700	15	SCAND2P	85174682	rs366717	15	85088079	A	G	0.210736	0.00799122	0.00971537	0.410773	0.598293	0.0968845	6.60E-10	0.0133567	0.0163819	0.4148817	0.7016012	7	0.85750625
ENSG00000259295	15	CSPG4P12	85734669	rs11074002	15	85729182	A	C	0.5666	-0.0021646	0.00815149	0.790591	-0.65856	0.106691	6.72E-10	0.00328684	0.0123892	0.7907794	0.9831063	14	0.95316662
ENSG00000229212	15	RP11-561C5.4	85747141	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.67387	0.102773	5.49E-11	0.00307282	0.0121088	0.7996759	0.8599787	18	0.95567594
ENSG00000218052	15	RP11-561C5.5	85798600	rs4843047	15	85859776	A	G	0.260437	0.00555319	0.00869134	0.522867	0.743732	0.128904	7.94E-09	0.00746665	0.0117576	0.5253948	0.1918163	11	0.87918067
ENSG00000261478	15	RP11-429B14.4	90052192	rs7164930	15	90041961	G	T	0.345924	0.00737314	0.00830643	0.374733	0.571312	0.0844237	1.31E-11	0.0129056	0.0146638	0.3788032	0.1420373	4	0.8356628
ENSG00000157823	15	AP3S2	90373831	rs10852123	15	90428894	C	A	0.746521	0.0108867	0.00942136	0.247874	-0.437832	0.0691635	2.45E-10	-0.024865	0.0218738	0.2556425	0.1371381	3	0.74711929
ENSG00000196391	15	ZNF774	90895477	rs1993161	15	90968316	T	C	0.258449	-0.0049323	0.00951066	0.604036	0.547887	0.0999692	4.24E-08	-0.0090024	0.0174363	0.6056455	0.3114129	5	0.91143334
ENSG00000140575	15	IQGAP1	90931450	rs3826002	15	90941044	A	G	0.16501	-0.0178591	0.0108364	0.0993413	0.458317	0.0722082	2.19E-10	-0.0389667	0.0244279	0.1106743	0.3750338	19	0.6086128
ENSG00000166965	15	RCCD1	91498100	rs3826033	15	91548601	A	G	0.138171	0.00349931	0.0112857	0.756511	0.791833	0.106803	1.23E-13	0.00441925	0.0142651	0.7567168	0.2696025	13	0.9350982
ENSG00000103852	15	TTC23	99676528	rs62023767	15	99791392	A	C	0.472167	0.00197794	0.00813187	0.807825	-0.627072	0.0715775	1.94E-18	-0.0031543	0.012973	0.8078974	0.1607529	20	0.95876131
ENSG00000183060	15	LYSMD4	100255902	rs35747287	15	100273607	C	G	0.682903	-0.0006434	0.00862168	0.940509	-0.755813	0.0886875	1.57E-17	0.00085132	0.0114076	0.9405109	0.3402907	16	0.99049818
ENSG00000182397	15	DNM1P46	100330361	rs12910401	15	100339897	C	T	0.297217	0.00442877	0.00888373	0.618113	-0.799617	0.124996	1.58E-10	-0.0055386	0.0111437	0.6191756	0.824823	8	0.91768615
ENSG00000259363	15	CTD-2054N24.2	100347228	rs12915935	15	100412080	G	A	0.297217	0.0036516	0.00864069	0.672583	-0.739712	0.114669	1.11E-10	-0.0049365	0.0117062	0.6732431	0.7689958	20	0.92192031
ENSG00000270127	15	RP11-526I2.5	101087972	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.922983	0.0884586	1.73E-25	0.00360013	0.0088133	0.6829151	0.1232567	16	0.92192031
ENSG00000259205	15	PRKXP1	101093734	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.78001	0.102958	3.56E-14	0.00426002	0.0104359	0.683121	0.1193879	14	0.92192031
ENSG00000259658	15	RP11-89K11.1	102277302	rs8031873	15	102274497	G	A	0.225646	0.00965332	0.0100625	0.337391	0.780385	0.121757	1.46E-10	0.0123699	0.0130379	0.342739	0.6888926	12	0.82185159
ENSG00000185596	15	WASH3P	102501356	rs2203348	15	102366849	A	G	0.759443	0.0197164	0.00914337	0.0310556	-0.659722	0.116098	1.33E-08	-0.0298859	0.0148238	0.04379157	0.3641562	3	0.48419947
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.910615	0.121837	7.78E-14	0.00544243	0.0116204	0.6395328	0.7622338	8	0.91901406
ENSG00000103148	16	NPRL3	134273	rs2562191	16	178543	A	G	0.382704	0.00270923	0.00818324	0.740592	-0.565251	0.080313	1.95E-12	-0.004793	0.0144932	0.7408674	0.248727	7	0.9268498
ENSG00000242612	16	DECR2	451826	rs1698231	16	467585	C	T	0.472167	0.0126315	0.00812785	0.12016	0.543175	0.0805067	1.51E-11	0.0232549	0.0153554	0.1299132	0.5014519	10	0.64861908
ENSG00000127578	16	WFIKKN1	679239	rs35915772	16	679274	A	G	0.254473	0.0232637	0.00860796	0.0068805	0.887829	0.11073	1.08E-15	0.0262029	0.0102315	0.01043685	0.342077	10	0.34619795
ENSG00000103227	16	LMF1	903634	rs7404696	16	1012393	C	T	0.282306	-0.007208	0.0093743	0.441944	0.524437	0.0784132	2.26E-11	-0.0137443	0.0179927	0.4449368	0.5130306	20	0.86360679
ENSG00000197253	16	TPSB2	1277272	rs4984778	16	1297516	G	C	0.736581	0.00614835	0.00978937	0.529962	-1.04318	0.12286	2.05E-17	-0.0058939	0.0094098	0.5310836	0.7453013	17	0.87974872
ENSG00000095917	16	TPSD1	1306060	rs3874639	16	1294822	G	A	0.511928	0.00219776	0.00841389	0.793933	0.657249	0.0933021	1.86E-12	0.00334388	0.0128105	0.7940719	0.4490422	11	0.95316662
ENSG00000197599	16	CCDC154	1484384	rs35861311	16	1491427	T	C	0.082505	0.00413752	0.0166321	0.803541	0.972102	0.125343	8.80E-15	0.00425626	0.0171182	0.8036398	0.3191897	20	0.9565057
ENSG00000063854	16	HAGH	1845621	rs113041534	16	1856368	C	G	0.132207	-0.0141931	0.0112134	0.205609	0.442933	0.0610268	3.93E-13	-0.0320434	0.0256983	0.2124311	0.2262707	20	0.72301278
ENSG00000180185	16	FAHD1	1876968	rs1657093	16	1919451	G	A	0.826044	0.0006543	0.00929944	0.943908	-0.748875	0.0883758	2.38E-17	-0.0008737	0.0124183	0.94391	0.307612	17	0.99049818
ENSG00000255513	16	AC005363.9	2013746	rs72764893	16	2013756	C	T	0.130219	-0.0005729	0.0118637	0.961482	0.747636	0.120947	6.35E-10	-0.0007663	0.0158688	0.9614833	0.5425678	7	0.99049818
ENSG00000167965	16	MLST8	2254249	rs26870	16	2248229	A	C	0.445328	-0.0108349	0.00811209	0.181664	0.324202	0.0447403	4.28E-13	-0.0334202	0.0254432	0.1890072	0.3851413	19	0.70232184
ENSG00000260778	16	MIR940	2318156	rs2238464	16	2332577	T	C	0.323062	-0.0122131	0.00843463	0.147624	0.474964	0.0840087	1.57E-08	-0.0257137	0.0183316	0.1607066	0.8410878	4	0.66449104
ENSG00000261613	16	RP11-20I23.13	2604061	rs11642783	16	2705523	C	T	0.406561	0.00744548	0.00844911	0.378202	0.95686	0.103944	3.40E-20	0.00778116	0.0088704	0.3803754	0.6452345	11	0.8356628
ENSG00000260565	16	ERVK13-1	2710350	rs11648529	16	2725256	G	A	0.413519	0.00782258	0.00846913	0.355664	-0.722589	0.0841861	9.22E-18	-0.0108258	0.0117882	0.3584326	0.3825051	8	0.83557563
ENSG00000103355	16	PRSS33	2833954	rs12933775	16	2831686	G	A	0.745527	0.00220448	0.0093375	0.813363	-0.94192	0.11086	1.95E-17	-0.0023404	0.00991709	0.8134344	0.9473556	7	0.9603045
ENSG00000263280	16	LA16c-325D7.2	2916349	rs17660212	16	2918292	G	A	0.39662	0.00673976	0.00874778	0.441031	0.742869	0.100986	1.89E-13	0.00907261	0.0118401	0.4435202	0.8275086	9	0.86360679
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.854233	0.0703217	5.91E-34	0.00961186	0.00962391	0.3179168	0.3768374	20	0.7975132
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2524316	16	3054011	G	C	0.612326	-0.0097591	0.00819861	0.233914	0.969414	0.112635	7.52E-18	-0.010067	0.00853779	0.238353	0.682238	20	0.73847444
ENSG00000213937	16	CLDN9	3062457	rs2717674	16	3055460	C	G	0.597416	-0.010899	0.00819186	0.183364	0.612592	0.0852314	6.60E-13	-0.0177916	0.0135996	0.1907913	0.5787777	20	0.70509828
ENSG00000008517	16	IL32	3115298	rs45499297	16	3115272	C	T	0.112326	0.00804293	0.0190773	0.673319	-0.739196	0.121978	1.36E-09	-0.0108806	0.0258706	0.6740616	0.9940916	4	0.92192031
ENSG00000263072	16	RP11-473M20.14	3166043	rs2735537	16	3191356	A	G	0.393638	0.017417	0.00849475	0.040333	0.634022	0.0932916	1.07E-11	0.0274707	0.0139946	0.04965315	0.6990048	17	0.51343497
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	0.748993	0.102945	3.45E-13	0.0247936	0.0190052	0.1920414	0.00015427	20	0.7058819
ENSG00000167984	16	NLRC3	3589033	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	-1.13274	0.150751	5.74E-14	-0.0163941	0.0125541	0.1915951	0.00947499	20	0.7058819
ENSG00000262246	16	CORO7	4404543	rs9925719	16	4461861	G	A	0.749503	0.00249839	0.00918226	0.785554	0.655703	0.0888054	1.54E-13	0.00381025	0.0140132	0.7856957	0.695778	20	0.95151038
ENSG00000153406	16	NMRAL1	4511681	rs4424915	16	4518392	A	G	0.712724	0.00130504	0.00925275	0.887836	-0.399958	0.0636618	3.33E-10	-0.0032629	0.0231401	0.8878637	0.06235614	7	0.98318933
ENSG00000102858	16	MGRN1	4666494	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	0.65868	0.0695698	2.86E-21	0.00802596	0.0124866	0.5203776	0.6542152	20	0.87918067
ENSG00000103199	16	ZNF500	4798240	rs859306	16	4789652	T	C	0.580517	0.0145485	0.00815053	0.074266	-0.510729	0.0841291	1.27E-09	-0.0284858	0.0166342	0.08680713	0.2854834	20	0.59196201
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.797831	0.0899155	7.11E-19	0.00496111	0.0102153	0.6272131	0.02857057	20	0.91877428
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	1.10793	0.12837	6.09E-18	-0.0187589	0.00943019	0.04667544	0.0206554	20	0.50782879
ENSG00000067836	16	ROGDI	4846969	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	-0.367364	0.0537256	8.04E-12	-0.0107744	0.0222081	0.6275654	0.2113702	16	0.91877428
ENSG00000175643	16	RMI2	11343476	rs12149160	16	11439303	T	G	0.519881	-0.0031603	0.00813255	0.697572	-0.627814	0.0794109	2.66E-15	0.00503383	0.0129694	0.6979187	0.1465847	20	0.92595657
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.11841	0.089142	4.16E-36	0.00492752	0.0072292	0.4954833	0.04056719	20	0.87284554
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.6269	0.098088	1.65E-10	0.0286503	0.0138117	0.0380471	0.72859	7	0.46095935
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	0.879797	0.111629	3.24E-15	-0.0204148	0.00966244	0.03461773	0.5679756	6	0.45654991
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.397692	0.0581627	8.05E-12	-0.0038875	0.0231275	0.8665141	0.3052921	14	0.97797442
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.900477	0.0894883	8.09E-24	0.00171688	0.0102125	0.8664926	0.372832	20	0.97797442
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.934402	0.104986	5.57E-19	-0.0170254	0.0117321	0.1467288	0.9306025	7	0.65858471
ENSG00000227827	16	RP11-958N24.2	16450081	rs406751	16	16361275	A	G	0.214712	0.0138754	0.012481	0.266259	0.974539	0.127038	1.70E-14	0.0142379	0.0129409	0.2712327	0.519921	6	0.75744655
ENSG00000103550	16	KNOP1	19714902	rs720175	16	19721731	G	A	0.163022	0.0277792	0.011499	0.0157011	0.896335	0.1151	6.84E-15	0.030992	0.013432	0.02103698	0.2431321	20	0.40266898
ENSG00000261195	16	CTD-2380F24.1	19772494	rs2047889	16	19777705	A	C	0.16004	0.0211608	0.0115078	0.0659417	-0.583735	0.0934612	4.22E-10	-0.0362507	0.0205507	0.07773836	0.2995237	7	0.57842988
ENSG00000260306	16	RP11-645C24.5	21805416	rs35478288	16	21825731	G	A	0.196819	-0.0374162	0.0090835	3.80E-05	-0.656761	0.109057	1.72E-09	0.0569708	0.0167566	0.00067411	0.00889737	10	0.17334449
ENSG00000259954	16	IL21R-AS1	27458990	rs9938392	16	27705988	G	A	0.158052	0.0359703	0.0121866	0.00316097	-0.954813	0.10655	3.21E-19	-0.0376726	0.0134379	0.00505564	0.2455518	18	0.25465421
ENSG00000197165	16	SULT1A2	28603264	rs4787458	16	28531287	G	A	0.323062	-0.0062442	0.00807734	0.439489	0.889826	0.120743	1.71E-13	-0.0070174	0.00912724	0.4419895	0.4843539	20	0.86360679
ENSG00000196502	16	SULT1A1	28616903	rs4787458	16	28531287	G	A	0.323062	-0.0062442	0.00807734	0.439489	-0.561019	0.0943025	2.70E-09	0.0111302	0.0145187	0.4433127	0.4796757	20	0.86360679
ENSG00000251417	16	RP11-1348G14.4	28814097	rs865719	16	28379443	G	A	0.340954	-0.0105832	0.00817429	0.195427	-0.811328	0.115548	2.19E-12	0.0130443	0.010245	0.2029364	0.9611812	20	0.72060967
ENSG00000178952	16	TUFM	28853732	rs7187776	16	28857645	G	A	0.341948	-0.0103296	0.00812797	0.203774	0.321953	0.0497287	9.53E-11	-0.0320842	0.0257276	0.2123714	0.9931046	20	0.72301278
ENSG00000260953	16	RP11-426C22.6	29273594	rs28635424	16	29278498	A	G	0.377734	0.00389159	0.00834223	0.640863	-0.666351	0.0955963	3.16E-12	-0.0058402	0.0125473	0.6416081	0.6908514	19	0.91901406
ENSG00000103485	16	QPRT	29674600	rs9933310	16	29690904	G	A	0.39165	0.0138543	0.00815579	0.0893738	-0.396594	0.0691241	9.61E-09	-0.0349332	0.021447	0.1033521	0.442662	3	0.6086128
ENSG00000214725	16	CDIPT-AS1	29874914	rs34248724	16	29869176	T	C	0.259443	-0.0090627	0.00910247	0.319428	-0.658805	0.105346	4.01E-10	0.0137563	0.0139906	0.3254839	0.397699	5	0.80402073
ENSG00000149922	16	TBX6	30097114	rs3809627	16	30103160	A	C	0.416501	0.0231229	0.00805391	0.00409157	-0.464155	0.0846627	4.20E-08	-0.0498172	0.0195871	0.01097879	0.4067333	3	0.34723615
ENSG00000155393	16	HEATR3	50099852	rs2287197	16	50106594	C	T	0.709742	0.00101991	0.00953666	0.914832	0.708562	0.0995743	1.11E-12	0.00143941	0.0134607	0.9148412	0.1504643	13	0.98318933
ENSG00000103479	16	RBL2	53467889	rs13337544	16	53519035	C	T	0.460239	0.00077743	0.00840459	0.926301	-0.339636	0.0548114	5.78E-10	-0.002289	0.0247486	0.9263087	0.8685948	3	0.98666978
ENSG00000159387	16	IRX6	55357672	rs30939	16	55323705	G	T	0.449304	-0.0028987	0.00816662	0.722635	0.666395	0.119246	2.29E-08	-0.0043498	0.0122796	0.7231703	0.3768288	5	0.92595657
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	1.0334	0.138641	9.07E-14	-0.0080235	0.0106778	0.4524009	0.6008776	6	0.86360679
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.663018	0.0742286	4.18E-19	-0.0220471	0.0129057	0.0875768	0.1258245	13	0.59196201
ENSG00000141076	16	CIRH1A	69165194	rs75086474	16	69431163	A	G	0.0308151	0.0462288	0.0246438	0.0606722	-1.36752	0.20219	1.35E-11	-0.0338048	0.0187011	0.07066224	0.2658918	11	0.56532704
ENSG00000157322	16	CLEC18A	69984810	rs34729113	16	70060439	C	T	0.404573	-0.004183	0.00809008	0.605117	-0.861718	0.10524	2.65E-16	0.00485428	0.00940701	0.6058351	0.04057609	20	0.91143334
ENSG00000226232	16	RP11-419C5.2	70010291	rs28483628	16	70028732	G	C	0.378728	-0.00015	0.00846074	0.985855	-0.701795	0.0792258	8.13E-19	0.00021375	0.0120559	0.9858546	0.1116821	20	0.99485704
ENSG00000255185	16	PDXDC2P	70044654	rs4985460	16	69964374	A	G	0.390656	-0.0065562	0.00808809	0.417599	-0.46767	0.0725972	1.18E-10	0.0140188	0.0174308	0.4212519	0.8916706	18	0.86360679
ENSG00000261556	16	RP11-296I10.6	70253477	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.527196	0.0738254	9.26E-13	0.0458408	0.016893	0.00665555	0.02319574	20	0.29586519
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.822546	0.0777534	3.73E-26	0.0293808	0.010393	0.00469895	0.02763157	20	0.25465421
ENSG00000261701	16	HPR	72088522	rs2287997	16	72140553	A	G	0.188867	0.00838521	0.010231	0.412451	1.07878	0.122276	1.12E-18	0.00777286	0.0095247	0.4144574	0.01312595	20	0.85750625
ENSG00000168411	16	RFWD3	74655292	rs62054167	16	74565232	C	T	0.189861	-0.004403	0.0112695	0.696016	0.675033	0.102251	4.06E-11	-0.0065227	0.016724	0.6965218	0.3774742	9	0.92595657
ENSG00000184517	16	ZFP1	75182390	rs374106642	16	75182433	C	A	0.0198807	0.0576973	0.0298913	0.0535772	-1.32827	0.216162	8.01E-10	-0.0434379	0.0235881	0.06554567	0.7521943	4	0.56532704
ENSG00000152910	16	CNTNAP4	76311176	rs77492932	16	75982586	C	T	0.0129225	-0.0151319	0.0348797	0.664411	-0.843788	0.15182	2.73E-08	0.0179333	0.0414628	0.6653668	0.9287378	5	0.92192031
ENSG00000205078	16	SYCE1L	77233294	rs59418549	16	77244179	G	T	0.271372	-0.014877	0.00882003	0.0916558	0.752403	0.0943004	1.48E-15	-0.0197726	0.0119816	0.09889049	0.2698736	20	0.6086128
ENSG00000140873	16	ADAMTS18	77281710	rs2562115	16	77394592	G	A	0.592445	0.00175468	0.00805877	0.827636	-1.06959	0.0978189	7.89E-28	-0.0016405	0.00753594	0.8276689	0.6058808	20	0.96615543
ENSG00000261390	16	RP11-345M22.2	79750622	rs11865979	16	79722913	C	T	0.314115	0.0129658	0.00898172	0.148859	-0.720919	0.106144	1.11E-11	-0.0179851	0.012737	0.1579398	0.4255755	13	0.66449104
ENSG00000260213	16	RP11-303E16.3	81050397	rs2602429	16	81063149	T	C	0.77833	0.00374997	0.00919585	0.683428	0.66256	0.0990247	2.22E-11	0.00565982	0.013905	0.6839829	0.7219535	20	0.92192031
ENSG00000197943	16	PLCG2	81772702	rs34640368	16	81933212	G	A	0.366799	0.0283164	0.00811493	0.00048408	0.338406	0.0565705	2.20E-09	0.0836758	0.0277614	0.00257737	0.2896834	4	0.25465421
ENSG00000260788	16	RP11-298D21.1	83754724	rs7201102	16	83804389	A	T	0.332008	-0.0051619	0.00901776	0.567042	0.534254	0.0830834	1.27E-10	-0.0096619	0.0169459	0.5685697	0.1657166	9	0.89393618
ENSG00000166558	16	SLC38A8	84043272	rs9928085	16	84074978	T	C	0.228628	0.00527853	0.00926687	0.568941	-0.595588	0.103998	1.02E-08	-0.0088627	0.015636	0.570839	0.4066069	4	0.89543373
ENSG00000103168	16	TAF1C	84211458	rs12597782	16	84208891	C	G	0.452286	0.00132124	0.00807602	0.870046	-0.446865	0.0772949	7.41E-09	-0.0029567	0.0180799	0.8700973	0.1364861	7	0.9790964
ENSG00000270020	16	RP11-463O9.9	86553989	rs9935567	16	86557584	T	G	0.604374	0.00281577	0.00846556	0.739425	-0.795634	0.0926738	9.06E-18	-0.003539	0.010648	0.7396134	0.1444194	20	0.9268498
ENSG00000176715	16	ACSF3	89154783	rs4782449	16	89178773	G	A	0.736581	0.0169339	0.00867772	0.0510059	-0.569983	0.0884347	1.15E-10	-0.0297095	0.015907	0.06180468	0.3647073	20	0.55465399
ENSG00000185324	16	CDK10	89747145	rs74415461	16	89990843	T	C	0.0586481	0.00581933	0.0161153	0.718021	-0.706832	0.112642	3.50E-10	-0.008233	0.0228371	0.7184662	0.7533792	20	0.92595657
ENSG00000187624	17	C17orf97	260118	rs11150882	17	259648	A	G	0.239563	0.0122993	0.00932997	0.187417	0.545851	0.0736073	1.21E-13	0.0225323	0.0173605	0.1943185	0.7733302	10	0.71041172
ENSG00000186532	17	SMYD4	1682779	rs11549830	17	1690752	A	G	0.343936	0.0144277	0.00820715	0.0787572	-0.697217	0.0997908	2.81E-12	-0.0206933	0.0121382	0.08823037	0.8233995	6	0.59196201
ENSG00000167720	17	SRR	2206677	rs12450028	17	2207425	T	C	0.34493	0.0116548	0.00852691	0.17168	-0.485804	0.0727322	2.40E-11	-0.0239907	0.0179159	0.1805459	0.06424348	15	0.68972591
ENSG00000197417	17	SHPK	3511556	rs62069928	17	3514598	T	C	0.241551	0.0136324	0.00925157	0.140611	0.801703	0.0879136	7.57E-20	0.0170043	0.0116896	0.1457648	0.538596	12	0.65858471
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-1.21966	0.14906	2.78E-16	0.0114061	0.0110701	0.3028442	0.9890126	8	0.78199769
ENSG00000108556	17	CHRNE	4801069	rs74574706	17	4807150	T	C	0.0994036	-0.0201163	0.0117744	0.0875467	0.869419	0.133721	7.94E-11	-0.0231376	0.0140026	0.09845676	0.8659225	15	0.6086128
ENSG00000234327	17	AC012146.7	5014763	rs56197642	17	5018244	G	C	0.111332	-0.0080551	0.0103627	0.436972	-0.636238	0.107291	3.03E-09	0.0126605	0.0164268	0.4408731	0.8463794	4	0.86360679
ENSG00000109047	17	RCVRN	9799637	rs2270121	17	9816671	G	A	0.563618	-0.0119718	0.00811789	0.140282	-0.963755	0.112548	1.10E-17	0.012422	0.00854719	0.1461275	0.4232084	13	0.65858471
ENSG00000187824	17	TMEM220	10602332	rs376174	17	10618220	C	T	0.478131	0.0125145	0.0081087	0.122749	-0.408666	0.0617287	3.58E-11	-0.0306228	0.0203739	0.1328285	0.8807483	8	0.64861908
ENSG00000006744	17	ELAC2	12895708	rs1044569	17	12895929	A	G	0.60338	0.00463236	0.00820743	0.572474	0.489212	0.0801239	1.02E-09	0.00946902	0.0168484	0.5741062	0.2763313	3	0.89548921
ENSG00000214946	17	TBC1D26	15635561	rs12453558	17	15613384	G	C	0.370775	-0.008143	0.00840625	0.332702	0.410667	0.0693278	3.15E-09	-0.0198288	0.0207416	0.3390777	0.1229033	15	0.81763417
ENSG00000179277	17	MEIS3P1	15689932	rs62070979	17	15689515	C	G	0.302187	-0.0068999	0.00864461	0.42477	-0.55967	0.0880072	2.03E-10	0.0123285	0.0155671	0.4283846	0.2678839	7	0.86360679

ENSG00000265519	17	CTD-3157E16.1	15691101	rs10852832	17	15685233	C	G	0.33499	-0.0066028	0.00825406	0.423746	-0.626425	0.0976564	1.41E-10	0.0105404	0.0132785	0.4273171	0.5870096	9	0.86360679
ENSG00000214941	17	ZSWIM7	15879874	rs1045599	17	15879910	T	C	0.570577	-0.0009432	0.00822599	0.908719	-0.492434	0.0718145	7.03E-12	0.00191529	0.0167071	0.9087312	0.7062801	15	0.98318933
ENSG00000166582	17	CENPV	16245848	rs3112525	17	16246874	A	G	0.464215	0.00334424	0.00804935	0.677799	0.772187	0.0787567	1.07E-22	0.00433087	0.0104334	0.6780727	0.4122402	20	0.92192031
ENSG00000187688	17	TRPV2	16318856	rs3813769	17	16318932	C	T	0.33002	0.00655966	0.00903515	0.467829	-0.52127	0.0790612	4.30E-11	-0.012584	0.0174377	0.4705074	0.9020163	5	0.86360679
ENSG00000154803	17	FLCN	17115526	rs12453929	17	17106701	A	G	0.520875	-0.0076766	0.00845386	0.363845	0.355261	0.0630713	1.77E-08	-0.0216085	0.0241034	0.369992	0.8622757	9	0.8356628
ENSG00000091536	17	MYO15A	18012020	rs854776	17	18048608	C	T	0.595427	0.0116447	0.00818745	0.154949	0.430981	0.0775782	2.77E-08	0.0270191	0.0196099	0.1682571	0.5201496	3	0.67415399
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.868454	0.0985727	1.25E-18	-0.0062229	0.00943405	0.5094946	0.8448684	10	0.87828611
ENSG00000233327	17	USP32P2	18414576	rs34925025	17	18528623	G	A	0.544732	-0.0029976	0.00816877	0.713654	1.02904	0.0973297	3.99E-26	-0.002913	0.00794302	0.7138192	0.9399505	12	0.92595657
ENSG00000171928	17	TVP23B	18684308	rs113034979	17	18681122	C	T	0.496024	0.00394562	0.008105	0.62639	-0.367447	0.0634512	7.00E-09	-0.0107379	0.0221354	0.6276039	0.3016018	8	0.91877428
ENSG00000261033	17	RP11-209D14.2	19911364	rs12936794	17	19912570	T	C	0.305169	0.012265	0.00914418	0.179825	-0.498442	0.082245	1.36E-09	-0.0246067	0.0187895	0.1903311	0.9016527	7	0.70509828
ENSG00000230528	17	NOS2P3	20339650	rs10083830	17	19965883	A	G	0.399602	0.00674709	0.00849807	0.427221	-0.609202	0.100761	1.48E-09	-0.0110753	0.0140693	0.4311665	0.08282616	16	0.86360679
ENSG00000007171	17	NOS2	26083792	rs11657613	17	26252856	C	T	0.758449	-0.0109372	0.00982193	0.265474	-0.68487	0.0879173	6.70E-15	0.0159697	0.0144871	0.2703124	0.1654603	12	0.75657807
ENSG00000232859	17	LYRM9	26205340	rs11657613	17	26252856	C	T	0.758449	-0.0109372	0.00982193	0.265474	0.456647	0.0589429	9.39E-15	-0.0239511	0.0217298	0.2703654	0.2594399	12	0.75657807
ENSG00000244045	17	TMEM199	26684604	rs7212510	17	26703682	A	T	0.5	0.0033184	0.00811423	0.682568	0.438298	0.0800983	4.45E-08	0.0075711	0.0185647	0.6834035	0.3902136	5	0.92192031
ENSG00000221995	17	TIAF1	27400537	rs12603862	17	27426411	A	G	0.335984	0.00538246	0.00853687	0.528371	-0.334124	0.0577843	7.37E-09	-0.0161092	0.0257014	0.530803	0.3311718	5	0.87974872
ENSG00000231421	17	AC006050.2	28900489	rs216405	17	28908743	T	G	0.879722	-0.0023445	0.0136679	0.863807	-1.18652	0.104952	1.23E-29	0.0019759	0.0115206	0.8638228	0.9986833	12	0.97797442
ENSG00000264538	17	SUZ12P	29036317	rs9899137	17	29056395	C	G	0.10835	0.00196734	0.0142475	0.890174	-0.798196	0.103829	1.50E-14	-0.0024647	0.0178525	0.8901923	0.9529971	17	0.98318933
ENSG00000266490	17	CTD-2349P21.9	29119390	rs11650928	17	29058694	C	T	0.107356	-0.0004609	0.0144344	0.97453	0.809136	0.14093	9.39E-09	-0.0005696	0.0178396	0.9745302	0.503767	4	0.99268816
ENSG00000266718	17	RP11-466A19.1	30822554	rs72811096	17	30647302	T	A	0.455268	-0.0108998	0.00807071	0.176843	0.690957	0.108069	1.62E-10	-0.0157749	0.0119382	0.1863744	0.9630643	17	0.69820276
ENSG00000166750	17	SLFN5	33570055	rs11867191	17	33569114	C	T	0.505964	-0.0053822	0.00809226	0.505981	0.573046	0.0835753	7.05E-12	-0.0093923	0.0141878	0.5079697	0.5327759	5	0.87828611
ENSG00000188895	17	MSL1	38278551	rs117827273	17	38279036	G	C	0.161034	-0.0138363	0.0108414	0.20187	-0.570423	0.102534	2.65E-08	0.0242562	0.0194996	0.2135238	0.7776789	4	0.72301278
ENSG00000141698	17	NT5C3B	39981335	rs2958390	17	40032356	A	G	0.782306	-0.0080886	0.00901553	0.36962	-0.340567	0.0500596	1.02E-11	0.0237504	0.0267013	0.3737431	0.5645572	11	0.8356628
ENSG00000108785	17	HSD17B1P1	40698782	rs8069972	17	40639422	A	G	0.419483	-0.0119574	0.00838466	0.153839	0.435652	0.0682792	1.77E-10	-0.0274471	0.0197211	0.163994	0.5890728	8	0.66920201
ENSG00000198496	17	NBR2	41277627	rs33946455	17	41321846	T	C	0.359841	0.020176	0.00828931	0.0149341	-1.2662	0.0952163	2.37E-40	-0.0159343	0.00665536	0.01665644	0.806834	20	0.36968705
ENSG00000161692	17	DBF4B	42785976	rs79017730	17	42834125	A	G	0.146123	0.0252383	0.0116454	0.0302162	-0.975969	0.106201	3.93E-20	-0.0258597	0.0122595	0.03491264	0.01112287	20	0.45654991
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.672699	0.0737736	7.62E-20	0.0287521	0.013277	0.03034547	0.2118919	7	0.44889402
ENSG00000214425	17	LRRC37A4P	43578685	rs62054822	17	43927708	G	A	0.240557	-0.0054665	0.0148306	0.712428	-1.12	0.0980745	3.33E-30	0.00488082	0.0132485	0.7125709	0.999817	7	0.92595657
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.04281	0.115152	1.35E-19	-0.0054818	0.0143686	0.7028205	0.999975	9	0.92595657
ENSG00000263503	17	RP11-707O23.5	43678235	rs56100013	17	43768467	T	C	0.239563	-0.0036519	0.0147898	0.804969	1.19401	0.114436	1.74E-25	-0.0030586	0.0123901	0.8050214	0.9898042	5	0.9565057
ENSG00000204650	17	CRHR1-IT1	43697694	rs17650860	17	44039008	A	G	0.240557	-0.004916	0.01486	0.740783	0.909116	0.0805505	1.53E-29	-0.0054074	0.0163526	0.7408895	0.9948111	4	0.9268498
ENSG00000214401	17	KANSL1-AS1	44270942	rs9896243	17	44826056	G	C	0.225646	0.00510829	0.0144671	0.724016	1.05914	0.0969198	8.47E-28	0.00482305	0.0136664	0.7241538	0.0908572	11	0.92595657
ENSG00000262500	17	RP11-259G18.2	44320972	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.08193	0.114618	3.75E-21	0.00370973	0.0133858	0.7816738	0.207072	10	0.95087332
ENSG00000262539	17	RP11-259G18.3	44336917	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.18792	0.110145	4.05E-27	-0.0048122	0.0126101	0.7027464	0.7804145	10	0.92595657
ENSG00000261575	17	RP11-259G18.1	44344403	rs75916678	17	43849366	C	T	0.239563	-0.0055901	0.0148362	0.706329	0.843687	0.117992	8.65E-13	-0.0066258	0.0176094	0.7067178	0.9900988	4	0.92595657
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.03194	0.154589	2.47E-11	-0.007093	0.00816351	0.3849216	0.4754104	6	0.8356628
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.09718	0.106027	4.27E-25	-0.0064773	0.0074688	0.3858053	0.4869307	20	0.8356628
ENSG00000260075	17	NSFP1	44450221	rs2532379	17	44321273	C	A	0.192843	0.00030195	0.0088914	0.972909	1.4504	0.170196	1.57E-17	0.00020819	0.00613036	0.9729091	0.01393654	14	0.99268816
ENSG00000238083	17	LRRC37A2	44588877	rs2942166	17	43715427	C	T	0.240557	-0.0038979	0.0147986	0.792244	1.09695	0.0994286	2.66E-28	-0.0035534	0.0134945	0.7923017	0.9997867	7	0.95316662
ENSG00000185829	17	ARL17A	44594068	rs8073146	17	43893751	G	A	0.239563	-0.0058667	0.014833	0.69246	0.844403	0.128701	5.35E-11	-0.0069478	0.0175981	0.692989	0.9903568	4	0.92595657
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-0.876592	0.0868668	6.04E-24	0.00590159	0.0100508	0.5570859	0.7917436	9	0.8863058
ENSG00000263142	17	LRRC37A17P	45055847	rs2188710	17	45180318	C	T	0.712724	-0.0075938	0.00872924	0.38434	-0.47283	0.0806776	4.61E-09	0.0160603	0.018664	0.3895134	0.07829648	14	0.8356628
ENSG00000262879	17	RP11-156P1.3	45061411	rs76048354	17	45180518	T	C	0.106362	0.0355339	0.0151706	0.0191664	1.29303	0.165025	4.67E-15	0.0274811	0.0122456	0.02482216	0.8685742	11	0.42056674
ENSG00000248278	17	RP11-463M16.4	46952222	rs62078385	17	47045009	T	C	0.540755	0.0358207	0.00805851	8.79E-06	0.707284	0.122979	8.86E-09	0.0506454	0.0144	0.00043637	0.2267248	10	0.14836468
ENSG00000006282	17	SPATA20	48620419	rs8076632	17	48625928	G	C	0.349901	0.0137535	0.00856747	0.108424	-0.852274	0.0809132	6.07E-26	-0.0161374	0.0101686	0.1125146	0.4368737	19	0.6086128
ENSG00000173714	17	WFIKKN2	48912011	rs72837512	17	48703172	C	A	0.0924453	0.0264465	0.0150223	0.0783249	0.967391	0.167632	7.88E-09	0.027338	0.0162352	0.09220621	0.9101251	3	0.59851699
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.282821	0.0476098	2.84E-09	-0.0430633	0.0302839	0.155031	0.6141858	6	0.66449104
ENSG00000243678	17	NME1-NME2	49230920	rs9907636	17	49256694	G	A	0.475149	-0.0105363	0.00805795	0.191021	-0.322278	0.0566939	1.31E-08	0.0326932	0.025656	0.202561	0.5056638	5	0.72060967
ENSG00000166260	17	COX11	53029263	rs35573927	17	53031889	C	G	0.269384	0.00552494	0.00901827	0.540116	-0.426944	0.0605382	1.76E-12	-0.0129407	0.0212024	0.5416366	0.209837	13	0.88620808
ENSG00000108384	17	RAD51C	56769934	rs12600349	17	57054245	T	C	0.180915	0.0042417	0.00923447	0.645995	-0.667693	0.0700154	1.48E-21	-0.0063528	0.0138464	0.6463768	0.02775314	20	0.91901406
ENSG00000008283	17	CYB561	61509665	rs3087776	17	61510278	T	C	0.466203	-0.0216512	0.00807541	0.00733753	-0.41079	0.0657703	4.22E-10	0.0527062	0.0213929	0.01375019	0.8313157	15	0.36968705
ENSG00000198231	17	DDX42	61850963	rs7209758	17	61913621	T	C	0.269384	-0.0012983	0.00956969	0.892087	-0.722787	0.103928	3.53E-12	0.00179619	0.0132425	0.8921075	0.6416186	13	0.98318933
ENSG00000108592	17	FTSJ3	61896793	rs2854204	17	61947337	C	G	0.575547	-0.0048426	0.00835261	0.562068	0.881916	0.0937096	4.91E-21	-0.005491	0.00948894	0.5628077	0.5104245	20	0.88935218
ENSG00000154262	17	ABCA6	67074843	rs3744489	17	67138138	T	C	0.682903	0.00237021	0.00847572	0.779748	0.662966	0.0916594	4.73E-13	0.00357516	0.0127941	0.7799085	0.09778697	12	0.95087332
ENSG00000125450	17	NUP85	73201754	rs12938575	17	73203788	C	T	0.760437	0.0173404	0.0110877	0.117834	-0.635302	0.0721667	1.33E-18	-0.0272947	0.0177259	0.123604	0.5649419	13	0.64406682
ENSG00000141569	17	TRIM65	73876416	rs8068749	17	73885161	G	A	0.350895	0.0094506	0.00933371	0.311288	0.438538	0.0740944	3.25E-09	0.0215502	0.0215929	0.3182675	0.7733313	9	0.7975132
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.605124	0.0724405	6.63E-17	0.0183314	0.0178324	0.303957	0.8824569	10	0.78199769
ENSG00000250506	17	CDK3	73996987	rs2257388	17	74019572	C	T	0.702783	0.00746702	0.0100263	0.456427	0.459802	0.0799133	8.73E-09	0.0162396	0.0219876	0.4601608	0.4293744	3	0.86360679
ENSG00000182534	17	MXRA7	74668633	rs7223751	17	74682885	G	A	0.807157	0.00479533	0.0101764	0.637482	-1.06228	0.119578	6.47E-19	-0.0045142	0.00959324	0.6379556	0.5341238	20	0.91901406
ENSG00000267432	17	RP11-559N14.5	76480964	rs894976	17	76485661	G	A	0.286282	0.00484118	0.00848023	0.568082	0.595797	0.0976177	1.04E-09	0.00812555	0.0142955	0.5697652	0.7681409	3	0.89478138
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.693099	0.0765265	1.34E-19	0.0152967	0.0122905	0.2132801	0.3011096	20	0.72301278
ENSG00000261924	17	CTD-2561B21.5	78940039	rs6565507	17	78944840	C	T	0.752485	0.00861469	0.00924923	0.351649	-1.072	0.125119	1.05E-17	-0.0080361	0.00867884	0.354477	0.6564924	15	0.83406353
ENSG00000262877	17	RP11-1055B8.4	79361930	rs3744146	17	79363728	T	C	0.122266	-0.0127988	0.0124873	0.305389	0.721079	0.111009	8.27E-11	-0.0177495	0.0175318	0.3113375	0.805175	5	0.79423414
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.816787	0.0820438	2.39E-23	0.0123633	0.0128657	0.3365777	0.1865199	20	0.81687335
ENSG00000185105	17	MYADML2	79897521	rs35810039	17	79901665	G	T	0.595427	0.00747129	0.00839086	0.373247	-0.397622	0.0662546	1.96E-09	-0.0187899	0.0213336	0.378444	0.5467155	9	0.8356628
ENSG00000169689	17	STRA13	79976578	rs6502045	17	79972424	C	T	0.594433	-0.0149681	0.00867605	0.084489	0.432889	0.0599341	5.09E-13	-0.0345772	0.020606	0.09334399	0.05038368	8	0.5988105
ENSG00000141560	17	FN3KRP	80674559	rs58867683	17	80679455	A	T	0.406561	0.00284553	0.00848782	0.737437	-0.608208	0.0722065	3.66E-17	-0.0046786	0.0139665	0.7376376	0.4367676	20	0.9268498
ENSG00000175711	17	B3GNTL1	80900031	rs11868819	17	81012461	C	T	0.243539	-0.0016411	0.00852152	0.847285	-0.582333	0.086135	1.37E-11	0.00281815	0.0146393	0.8473467	0.6153958	8	0.97248941
ENSG00000263006	18	ROCK1P1	109065	rs77100574	18	111687	T	G	0.313121	0.0057888	0.0082388	0.482289	0.782579	0.114042	6.78E-12	0.00739708	0.0105828	0.4845694	0.210767	14	0.86484827
ENSG00000101574	18	METTL4	2537524	rs2138847	18	2558723	G	A	0.535785	0.0174957	0.00807965	0.0303571	-0.476555	0.0833057	1.06E-08	-0.0367129	0.0181283	0.0428499	0.03224887	11	0.47767102
ENSG00000266513	18	RP11-874J12.3	3770017	rs4798127	18	3770469	T	G	0.529821	0.00395012	0.00825469	0.632274	-0.455864	0.0797335	1.08E-08	-0.0086651	0.0181711	0.6334597	0.5111465	8	0.91901406
ENSG00000263753	18	LINC00667	5232875	rs9948693	18	5247432	T	C	0.387674	0.00299857	0.00830116	0.717933	0.557924	0.0769964	4.29E-13	0.00537451	0.0148971	0.7182676	0.5417697	20	0.92595657
ENSG00000266441	18	RP11-91I8.3	6728820	rs13381520	18	6718467	A	G	0.515905	0.0009087	0.00806205	0.910258	0.692392	0.0993482	3.18E-12	0.0013124	0.0116453	0.9102699	0.402401	6	0.98318933
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-1.01743	0.113138	2.41E-19	0.00431358	0.0104521	0.6798269	0.3576699	9	0.92192031
ENSG00000267079	18	RP11-820I16.1	11910633	rs9962395	18	11950647	A	G	0.337972	-0.0009768	0.00836746	0.907064	0.971373	0.114442	2.10E-17	-0.0010056	0.00861487	0.9070725	0.632176	11	0.98318933
ENSG00000267108	18	RP11-861E21.1	12432896	rs34448712	18	12439062	C	A	0.152087	0.0218674	0.0134036	0.102795	1.10886	0.16374	1.27E-11	0.0197206	0.0124336	0.1127211	0.5871876	8	0.6086128
ENSG00000267199	18	RP11-861E21.2	12438889	rs12964631	18	12438889	T	C	0.429423	-0.0016634	0.00825468	0.8403	-0.63514	0.0873833	3.64E-13	0.00261895	0.0130016	0.8403604	0.4056808	17	0.9711827
ENSG00000267336	18	RP11-773H22.2	12912843	rs8094285	18	12911504	C	A	0.698807	-0.0087445	0.00825785	0.289633	-0.867186	0.121617	1.00E-12	0.0100837	0.00962702	0.2948969	0.8500706	8	0.77747958
ENSG00000101639	18	CEP192	12991361	rs490853	18	13106337	C	T	0.619284	-0.0028618	0.00819709	0.726994	-0.915312	0.0774671	3.25E-32	0.0031266	0.00895942	0.7271097	0.9459701	20	0.92595657
ENSG00000265015	18	RP11-454P7.3	15196998	rs4352127	18	15077660	T	G	0.920477	0.00619466	0.0141255	0.66099	-1.18065	0.180654	6.34E-11	-0.0052468	0.0119911	0.6617049	0.870628	6	0.92192031
ENSG00000266489	18	RP11-178F10.3	22096847	rs1945168	18	22124418	C	T	0.393638	0.0202232	0.00851724	0.0175784	1.10653	0.097233	5.25E-30	0.0182762	0.007863	0.02010769	0.5336369	11	0.40184386
ENSG00000260372	18	AQP4-AS1	24235706	rs232319	18	24500151	C	T	0.527833	0.0009231	0.00811545	0.909439	-0.81912	0.0857979	1.33E-21	-0.0011269	0.00990823	0.9094457	0.9264016	9	0.98318933
ENSG00000197705	18	KLHL14	30252634	rs11660243	18	30334036	G	A	0.33499	-0.0060243	0.00909692	0.50782	0.741682	0.105136	1.73E-12	-0.0081225	0.0123192	0.5096791	0.4083855	8	0.87828611
ENSG00000101751	18	POLI	51795774	rs28393808	18	51787992	A	T	0.428429	-0.0004163	0.0080891	0.958953	-0.403645	0.0709369	1.27E-08	0.00103141	0.020041	0.958955	0.3488307	4	0.99049818
ENSG00000133313	18	CNDP2	72163051	rs8083001	18	72165058	C	T	0.210736	0.00285369	0.0104655	0.785102	0.504718	0.0755036	2.31E-11	0.00565403	0.0207526	0.7852765	0.9466884	9	0.95151038
ENSG00000264247	18	LINC00909	72259010	rs7505289	18	72264406	G	A	0.852883	0.00502044	0.0118153	0.670902	-0.749152	0.118601	2.67E-10	-0.0067015	0.0158072	0.6716009	0.7529715	4	0.92192031
ENSG00000261126	18	RBFADN	77806900	rs473119	18	77849459	T	G	0.143141	-0.0060147	0.0129395	0.642052	0.866863	0.122732	1.63E-12	-0.0069385	0.0149591	0.6427702	0.6750791	20	0.91901406
ENSG00000267251	18	AC139100.3	77941563	rs1050919	18	77906500	T	C	0.16998	-0.0026805	0.00984046	0.785319	0.774905	0.136034	1.22E-08	-0.0034591	0.0127134	0.7855575	0.7959375	11	0.95151038
ENSG00000266933	19	AC005775.2	490046	rs143898391	19	488474	T	A	0.406561	-0.0028477	0.00823707	0.729552	-0.927025	0.10459	7.76E-19	0.0030719	0.00889225	0.7297497	0.3016188	11	0.92595657
ENSG00000065268	19	WDR18	983174	rs11538683	19	991129	A	G	0.125249	0.0138845	0.0120242	0.248206	0.93647	0.110775	2.82E-17	0.0148264	0.0129591	0.2525865	0.2067992	20	0.74711929
ENSG00000115266	19	APC2	1446300	rs2656873	19	1457478	C	T	0.584493	-0.0001662	0.00854327	0.984478	0.418393	0.0650558	1.27E-10	-0.0003973	0.0204193	0.984478	0.5005959	4	0.99485704
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	0.754842	0.117263	1.22E-10	-0.021184	0.0146909	0.1493072	0.4802212	3	0.65927855
ENSG00000130332	19	LSM7	2321516	rs11084936	19	2346440	A	G	0.611332	0.0009597	0.00823081	0.907178	0.39587	0.0601095	4.52E-11	0.00242428	0.020795	0.9071929	0.1768485	8	0.98318933
ENSG00000099800	19	TIMM13	2425622	rs11668494	19	2444363	G	A	0.290258	0.00390862	0.00851756	0.646313	0.301555	0.0544232	3.01E-08	0.0129615	0.0283422	0.6474382	0.2105104	9	0.91901406
ENSG00000172006	19	ZNF554	2819872	rs8107771	19	2833617	A	G	0.484095	-0.0016959	0.00807062	0.833563	-0.366239	0.0656103	2.38E-08	0.00463061	0.0220521	0.8336793	0.7120329	4	0.96890682
ENSG00000060558	19	GNA15	3136191	rs170159	19	3149990	C	G	0.765408	-0.0017659	0.0097744	0.856629	-0.507114	0.0894176	1.42E-08	0.00348227	0.0192843	0.856701	0.1516291	8	0.974435
ENSG00000178078	19	STAP2	4324040	rs55913120	19	4334402	T	C	0.439364	0.0133193	0.00808269	0.0993757	0.593078	0.0809112	2.30E-13	0.0224579	0.0139685	0.1078896	0.1786774	11	0.6086128
ENSG00000167670	19	CHAF1A	4402659	rs72990643	19	4454736	T	C	0.262425	-0.0131747	0.0102973	0.200747	-0.70548	0.083511	2.97E-17	0.0186748	0.0147626	0.205869	0.07913152	7	0.72301278
ENSG00000167671	19	UBXN6	4444996	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.32514	0.0571055	1.24E-08	0.0150854	0.0339591	0.6568807	0.1173751	6	0.91901406
ENSG00000267769	19	CTB-50L17.9	4454011	rs11668886	19	4423419	T	C	0.234592	-0.0042527	0.0109619	0.698051	-0.733654	0.111422	4.57E-11	0.00579662	0.0149674	0.6985474	0.04077789	8	0.92595657
ENSG00000176840	19	MIR7-3HG	4769117	rs3760955	19	4772202	C	A	0.333996	-0.0106249	0.00850479	0.211562	-0.434554	0.0761179	1.14E-08	0.0244501	0.0200344	0.2223111	0.9965795	4	0.73186265
ENSG00000196365	19	LONP1	5691845	rs35335072	19	5708720	T	C	0.350895	-0.0018192	0.0083846	0.828231	-0.416099	0.0675481	7.27E-10	0.00437206	0.020163	0.8283362	0.6749109	8	0.96615543
ENSG00000181240	19	SLC25A41	6426048	rs2860185	19	6436222	T	C	0.488072	-0.0176505	0.00829054	0.0332545	0.730428	0.0907482	8.35E-16	-0.0241646	0.0117406	0.03956993	0.1138013	12	0.46221344
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.660583	0.0752004	1.57E-18	-0.0062723	0.0126656	0.6204444	0.02509602	12	0.91768615
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.638688	0.0926773	5.52E-12	-0.0083139	0.0130117	0.5228534	0.9456601	7	0.87918067
ENSG00000268297	19	CLEC4GP1	7852435	rs6603123	19	7854674	T	G	0.445328	-0.0105845	0.00814972	0.19403	0.823701	0.0921277	3.86E-19	-0.0128499	0.00999787	0.198699	0.5001095	9	0.71598135
ENSG00000269139	19	CTD-3193O13.8	7990886	rs12610620	19	8099434	C	T	0.192843	0.022482	0.00935029	0.0161979	0.755715	0.127712	3.27E-09	0.0297493	0.0133552	0.02591067	0.483367	6	0.42456038
ENSG00000267939	19	CTD-2325M2.1	8073613	rs34470441	19	8084529	T	G	0.407555	0.0202803	0.00813135	0.0126282	-0.616632	0.111209	2.94E-08	-0.0328888	0.0144593	0.02293138	0.1525289	13	0.41035101
ENSG00000099785	19	2-Mar	8478154	rs35279560	19	8537096	T	G	0.282306	0.0295385	0.00953395	0.0019467	0.517622	0.0772118	2.03E-11	0.0570658	0.0202906	0.00491702	0.6012103	12	0.25465421
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	2.02911	0.252694	9.75E-16	-0.0125697	0.00709915	0.07662841	0.9328597	10	0.57842988
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.14509	0.150053	2.33E-14	0.00246654	0.0151168	0.8703879	0.8631612	4	0.9790964
ENSG00000174652	19	ZNF266	9523272	rs8108483	19	9545030	T	C	0.558648	0.00163106	0.00810334	0.840478	0.852604	0.0736765	5.70E-31	0.00191303	0.00950566	0.8405015	0.7937126	16	0.9711827
ENSG00000080573	19	COL5A3	10070237	rs2010448	19	10103583	T	C	0.332008	0.00701436	0.00878781	0.424759	-0.503867	0.0809142	4.75E-10	-0.0139211	0.0175834	0.4285271	0.1897433	7	0.86360679
ENSG00000129347	19	KRI1	10663761	rs148172637	19	10681823	T	C	0.267396	0.00992596	0.00867499	0.252539	0.506988	0.0818479	5.86E-10	0.0195783	0.0174003	0.2605174	0.1007179	8	0.74711929
ENSG00000267174	19	CTC-510F12.4	11411453	rs322153	19	11414351	A	C	0.294235	0.0116218	0.00890191	0.191711	-0.868849	0.106949	4.51E-16	-0.0133761	0.0103771	0.1973975	0.3275676	14	0.71598135
ENSG00000213290	19	PGK1P2	12670385	rs55786848	19	12669655	T	C	0.153082	-0.014474	0.0125426	0.248503	0.893435	0.148474	1.77E-09	-0.0162004	0.0142944	0.2570736	0.4159859	5	0.74711929
ENSG00000105607	19	GCDH	13001840	rs2965216	19	13071082	A	G	0.484095	0.00364131	0.00810126	0.65309	-0.539161	0.0700358	1.38E-14	-0.0067537	0.0150513	0.6536406	0.1121846	11	0.91901406
ENSG00000037757	19	MRI1	13875346	rs62111893	19	13874258	T	G	0.414513	-0.0047543	0.00815023	0.55967	-0.802582	0.0941526	1.54E-17	0.00592373	0.0101788	0.5605871	0.7525194	4	0.88935218
ENSG00000141854	19	hsa-mir-1199	14183348	rs73508199	19	14174535	C	T	0.37674	0.01036	0.0083102	0.212524	0.416747	0.0675576	6.88E-10	0.0248592	0.0203438	0.2217238	0.8312749	3	0.73186265
ENSG00000267723	19	CTD-2189E23.1	14365001	rs625005	19	14377691	T	C	0.417495	-0.0040143	0.00807104	0.618929	-0.681679	0.116119	4.34E-09	0.00588881	0.0118824	0.6201817	0.1559827	6	0.91768615
ENSG00000105143	19	SLC1A6	15060846	rs62113278	19	15078724	T	C	0.341948	-0.0015227	0.00826614	0.853851	0.467019	0.0673659	4.13E-12	-0.0032604	0.017706	0.8539021	0.82412	12	0.974435
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.10464	0.0868646	4.77E-37	0.0050905	0.00739759	0.4913711	0.8173251	20	0.87284554
ENSG00000268673	19	LLNLR-249E10.1	15871185	rs3752145	19	15882788	T	C	0.595427	-0.0058603	0.00815741	0.472507	0.882765	0.112323	3.87E-15	-0.0066386	0.00927928	0.4743477	0.7368549	10	0.86360679
ENSG00000188039	19	NWD1	16830787	rs12973121	19	16828840	C	T	0.436382	0.00364853	0.00848547	0.667215	-0.465005	0.0666904	3.11E-12	-0.0078462	0.0182828	0.6678078	0.3408522	3	0.92192031
ENSG00000130312	19	MRPL34	17403418	rs62126256	19	17413022	G	C	0.426441	-0.0009469	0.00826355	0.908776	0.311463	0.0526235	3.24E-09	-0.0030401	0.0265364	0.9087927	0.08952071	4	0.98318933
ENSG00000081665	19	ZNF506	19896648	rs4808983	19	19882476	T	C	0.168986	0.00300099	0.00986489	0.760969	0.742029	0.127618	6.08E-09	0.0040443	0.0133127	0.7612851	0.9405394	18	0.93696628
ENSG00000184635	19	ZNF93	20011722	rs1019279	19	20047327	C	A	0.23161	0.00613454	0.00967747	0.526147	0.989922	0.12493	2.30E-15	0.00619699	0.00980723	0.527465	0.7971509	20	0.87918067
ENSG00000196705	19	ZNF431	21324827	rs145645636	19	21334003	T	C	0.0149105	-0.0671681	0.115578	0.561141	1.70618	0.290027	4.03E-09	-0.0393675	0.0680705	0.5630384	0.7714546	3	0.88935218
ENSG00000268555	19	RP11-678G14.3	21753624	rs2650793	19	21676115	C	G	0.751491	0.00921931	0.0093656	0.324929	-0.669212	0.112907	3.08E-09	-0.0137764	0.0141867	0.3315091	0.747543	10	0.80942976
ENSG00000197020	19	ZNF100	21905568	rs56168029	19	21942877	A	G	0.553678	-0.0004928	0.00807051	0.951313	-0.61162	0.0743169	1.87E-16	0.00080568	0.0131957	0.9513142	0.2487519	20	0.99049818
ENSG00000269416	19	CTB-175P5.4	23582035	rs682023	19	23630277	A	G	0.253479	-0.0079829	0.00932699	0.392059	0.806733	0.11036	2.67E-13	-0.0098953	0.0116404	0.3952794	0.099965	13	0.83578272
ENSG00000268362	19	CTD-2017D11.1	24216247	rs62114832	19	24247455	G	A	0.217694	0.00875622	0.0102706	0.39391	0.839982	0.130112	1.08E-10	0.0104243	0.0123333	0.3979916	0.7613356	9	0.83917609
ENSG00000261770	19	CTC-459F4.1	28248092	rs2080080	19	28334082	T	C	0.838966	0.013692	0.00916493	0.135186	-1.26927	0.133008	1.39E-21	-0.0107873	0.00730858	0.1399498	0.7250575	10	0.65858471
ENSG00000105186	19	ANKRD27	33087913	rs4805777	19	33090045	G	A	0.28827	-0.0053261	0.00891761	0.550337	-0.605603	0.107864	1.97E-08	0.00879467	0.0148083	0.5525768	0.02008	16	0.88620808
ENSG00000021488	19	SLC7A9	33321415	rs11671229	19	33307117	G	A	0.164016	-0.0057532	0.0115651	0.618864	0.676899	0.118627	1.16E-08	-0.0084993	0.0171502	0.6201903	0.6439495	8	0.91768615
ENSG00000124299	19	PEPD	33877856	rs7247349	19	33887160	C	A	0.510934	-0.0010062	0.00807064	0.900779	0.467253	0.0713991	5.98E-11	-0.0021535	0.0172757	0.9007975	0.6024052	12	0.98318933
ENSG00000225872	19	AC002398.5	36279778	rs75120684	19	36288595	C	G	0.028827	0.0221798	0.0202265	0.272829	-1.20478	0.17405	4.45E-12	-0.0184098	0.0169979	0.2787795	0.8720372	6	0.75979984
ENSG00000105258	19	POLR2I	36604612	rs10419924	19	36614462	C	A	0.709742	0.00059916	0.00951878	0.94981	0.27145	0.0473779	1.01E-08	0.00220725	0.0350685	0.9498135	0.1015168	6	0.99049818
ENSG00000161281	19	COX7A1	36641824	rs14100	19	36640769	C	T	0.955268	0.0139272	0.0275547	0.613251	0.92775	0.165482	2.07E-08	0.0150118	0.029821	0.6146854	0.119404	4	0.91707976
ENSG00000232677	19	LINC00665	36803969	rs2972537	19	36734491	A	G	0.379722	-0.0059795	0.00842044	0.47763	0.514384	0.0780112	4.29E-11	-0.0116246	0.0164646	0.4801659	0.6514869	9	0.86360679
ENSG00000233527	19	AC092295.7	37063972	rs10407386	19	37218449	T	A	0.599404	-0.0001382	0.00835722	0.98681	-0.896793	0.110605	5.14E-16	0.00015406	0.00931903	0.9868104	0.8721154	8	0.99485704
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.21128	0.0933276	1.61E-38	-0.0052497	0.00703128	0.4552899	0.1162672	20	0.86360679
ENSG00000269486	19	CTC-360G5.9	39425976	rs4803046	19	39416967	T	A	0.26839	-0.0073029	0.0096769	0.450445	-0.701794	0.113288	5.84E-10	0.010406	0.0138907	0.4537759	0.9416055	19	0.86360679
ENSG00000176222	19	ZNF404	44376515	rs8106090	19	44371210	G	A	0.499006	-0.0048156	0.00806312	0.550351	-0.46495	0.0743686	4.05E-10	0.0103572	0.0174209	0.5521585	0.9788348	14	0.88620808
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.17175	0.161569	4.10E-13	-0.0053665	0.00867518	0.5361786	0.9388443	9	0.88383634
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.417085	0.0742226	1.92E-08	-0.0023751	0.0193699	0.9024099	0.350062	5	0.98318933
ENSG00000169515	19	CCDC8	46913629	rs10412620	19	46929591	A	C	0.525845	0.00847524	0.00806074	0.293064	-0.360681	0.0655783	3.80E-08	-0.0234979	0.0227534	0.3017345	0.4128872	4	0.78199769
ENSG00000182013	19	PNMAL1	46969748	rs11083832	19	46970739	T	C	0.702783	0.00975686	0.00885488	0.270522	-0.26726	0.0430812	5.52E-10	-0.036507	0.0336506	0.2779736	0.7792519	6	0.75912469
ENSG00000105287	19	PRKD2	47177532	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.583835	0.0782755	8.74E-14	0.0392143	0.0150616	0.00922522	0.05272317	16	0.32169994
ENSG00000042753	19	AP2S1	47341393	rs12973763	19	48335695	T	G	0.554672	-0.0038102	0.00810418	0.638246	-0.162	0.0278081	5.69E-09	0.0235198	0.0501885	0.6393341	0.7326357	4	0.91901406
ENSG00000183207	19	RUVBL2	49496705	rs144494573	19	49511018	A	G	0.0954274	-0.016135	0.0116043	0.164396	-0.641728	0.104183	7.29E-10	0.0251431	0.0185379	0.1750017	0.5443577	5	0.68334428
ENSG00000074219	19	TEAD2	49843852	rs11882257	19	49863489	G	T	0.259443	-0.0126248	0.00872946	0.148114	0.502523	0.0873811	8.88E-09	-0.0251228	0.0179121	0.1607482	0.8641709	6	0.66449104
ENSG00000161618	19	ALDH16A1	49956426	rs12443	19	49950356	G	C	0.754473	-0.014753	0.00877073	0.092555	-0.538864	0.0818432	4.58E-11	0.027378	0.0167991	0.1031589	0.00314208	3	0.6086128

ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.769869	0.0905462	1.86E-17	0.0123796	0.0114906	0.2813165	0.0782662	6	0.7622481
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.875514	0.127903	7.64E-12	0.00839939	0.0105885	0.4276289	0.8022637	5	0.86360679
ENSG00000254521	19	SIGLEC12	51994611	rs10404542	19	52013042	G	T	0.852883	-0.0048266	0.0104257	0.643398	-0.889384	0.150486	3.42E-09	0.00542692	0.0117583	0.6444111	0.5187187	17	0.91901406
ENSG00000254415	19	SIGLEC14	52145806	rs73052804	19	52155401	T	C	0.0765408	-0.0122176	0.0123608	0.322948	-0.972124	0.125436	9.19E-15	0.0125679	0.0128182	0.3268527	0.2282047	9	0.80402073
ENSG00000161551	19	ZNF577	52359055	rs765009	19	52361834	G	A	0.299205	-0.0033433	0.00877842	0.703309	-0.482104	0.0878314	4.04E-08	0.00693487	0.0182523	0.7039867	0.3334879	5	0.92595657
ENSG00000269235	19	HCCAT3	52452387	rs8104626	19	52480617	A	G	0.107356	-0.0130007	0.0140094	0.353409	0.97218	0.166686	5.46E-09	-0.0133727	0.0145916	0.3594204	0.5580957	8	0.83557563
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	1.01193	0.0862845	9.18E-32	0.00895619	0.00821747	0.2757588	0.1860344	12	0.75782812
ENSG00000167555	19	ZNF528	52901102	rs162123	19	52917626	G	A	0.762425	-0.0017064	0.00925264	0.853681	0.686659	0.0907344	3.80E-14	-0.0024851	0.0134789	0.8537245	0.5887357	10	0.974435
ENSG00000198633	19	ZNF534	52932440	rs75774622	19	52927865	A	G	0.0894632	-0.0178806	0.0164781	0.277871	1.47744	0.220573	2.11E-11	-0.0121024	0.0112985	0.2841028	0.6091719	7	0.76565823
ENSG00000167766	19	ZNF83	53097313	rs7256557	19	53119166	A	G	0.350895	-0.017054	0.00834443	0.0409779	0.493359	0.0809024	1.07E-09	-0.0345671	0.0178381	0.05264446	0.9015439	7	0.5264446
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.393893	0.0663153	2.86E-09	-0.0294291	0.0217159	0.1753582	0.2332677	3	0.68334428
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-0.971335	0.116047	5.75E-17	0.00394553	0.0106332	0.7105935	0.6330141	20	0.92595657
ENSG00000167608	19	TMC4	54663846	rs8101186	19	54670952	C	T	0.230616	0.0032074	0.00950788	0.73586	0.488298	0.0859409	1.33E-08	0.00656853	0.0195058	0.7363067	0.2019116	10	0.9268498
ENSG00000170889	19	RPS9	54704610	rs62133061	19	54701848	T	A	0.419483	-0.0067342	0.00833983	0.419391	-0.297306	0.0520212	1.10E-08	0.0226509	0.0283299	0.4239783	0.763568	3	0.86360679
ENSG00000022556	19	NLRP2	55464498	rs4422092	19	55474210	A	G	0.44334	-0.0058256	0.00824967	0.480088	0.722735	0.0962579	5.99E-14	-0.0080605	0.0114649	0.482019	0.6671409	16	0.86360679
ENSG00000180089	19	TMEM86B	55738007	rs10419308	19	55739813	A	G	0.184891	-0.0147959	0.0111418	0.18419	0.495197	0.0882691	2.02E-08	-0.0298788	0.0231215	0.1962695	0.8230878	4	0.7156207
ENSG00000266907	19	AC006116.22	56831159	rs12608563	19	56882604	T	G	0.0506958	0.0289586	0.0137166	0.0347544	1.00774	0.184183	4.46E-08	0.0287362	0.0145894	0.04887696	0.9914004	7	0.51343497
ENSG00000267454	19	ZNF582-AS1	56905025	rs59858465	19	56912996	G	A	0.498012	-0.0029438	0.00820143	0.71964	-0.519682	0.0841876	6.70E-10	0.00566468	0.0158083	0.720092	0.6983557	5	0.92595657
ENSG00000269696	19	AC007228.11	57056935	rs34760888	19	57103435	C	A	0.294235	-0.0164308	0.00908859	0.0706301	0.802393	0.101391	2.50E-15	-0.0204772	0.0116186	0.07799384	0.4961222	17	0.57842988
ENSG00000197016	19	ZNF470	57078880	rs4801177	19	57089050	T	C	0.758449	-0.0067556	0.00856237	0.430119	0.565201	0.091648	6.96E-10	-0.0119526	0.0152727	0.433857	0.06130944	3	0.86360679
ENSG00000186272	19	ZNF17	57922531	rs10084129	19	57940347	C	T	0.298211	0.00529468	0.00853143	0.534857	-0.802438	0.126531	2.27E-10	-0.0065982	0.0106827	0.5368006	0.8837635	7	0.88383634
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	1.1227	0.0830778	1.30E-41	-0.0008709	0.00720451	0.9037836	0.8768317	20	0.98318933
ENSG00000105136	19	ZNF419	57999079	rs7255481	19	58010642	C	T	0.686879	-0.0021455	0.00913405	0.814292	-0.758557	0.108008	2.17E-12	0.00282842	0.0120481	0.814394	0.8184835	12	0.9606035
ENSG00000171649	19	ZIK1	58089824	rs73060458	19	58099706	T	C	0.299205	-0.0153764	0.00931661	0.0988553	-0.731378	0.119019	7.99E-10	0.0210239	0.0131899	0.1109493	0.04707695	8	0.6086128
ENSG00000270804	19	CTD-2583A14.11	58379253	rs10406133	19	58379986	T	C	0.287276	0.00582301	0.0084775	0.49216	0.811453	0.0998405	4.38E-16	0.00717603	0.0104846	0.4936985	0.1004836	17	0.87284554
ENSG00000176593	19	CTD-2368P22.1	58513429	rs1035522	19	58510932	C	T	0.703777	0.0158274	0.00885709	0.0739418	-0.503355	0.0814818	6.51E-10	-0.0314438	0.0183175	0.08605276	0.228417	4	0.59196201
ENSG00000269473	19	CTD-2619J13.19	58951815	rs6510139	19	58885702	A	G	0.397614	0.00161924	0.00851963	0.849262	-0.611464	0.0990645	6.73E-10	-0.0026481	0.0139398	0.8493327	0.5563662	20	0.97248941
ENSG00000213753	19	RPL23AP79	59084870	rs895374	19	59066918	C	A	0.596421	-0.0073105	0.00848721	0.389044	0.388919	0.0609731	1.79E-10	-0.0187969	0.0220206	0.3933241	0.6569523	10	0.8356628
ENSG00000101255	20	TRIB3	361261	rs62191434	20	360062	C	T	0.437376	0.00624943	0.00809279	0.439982	0.576967	0.0894659	1.13E-10	0.0108315	0.0141266	0.4432334	0.6937774	10	0.86360679
ENSG00000101307	20	SIRPB1	1544167	rs111980944	20	1895630	C	T	0.309145	-0.0015979	0.00837107	0.848617	1.16184	0.104343	8.49E-29	-0.0013753	0.00720607	0.8486388	0.9999835	18	0.97248941
ENSG00000125877	20	ITPA	3189514	rs112200085	20	3196390	A	G	0.129225	0.00157304	0.0149309	0.916095	-0.681109	0.100307	1.12E-11	-0.0023095	0.0219241	0.9161044	0.1595745	6	0.98318933
ENSG00000088888	20	MAVS	3827487	rs13040791	20	3935438	C	T	0.444334	-0.0180228	0.00805334	0.0252261	0.300749	0.0549304	4.37E-08	-0.0599264	0.0289282	0.03830674	0.3486912	6	0.46095935
ENSG00000101236	20	RNF24	3907956	rs6116153	20	3996208	T	C	0.446322	-0.0211003	0.00807461	0.00897078	-0.556422	0.0744662	7.89E-14	0.0379214	0.0153735	0.01363748	0.1959814	12	0.36968705
ENSG00000101290	20	CDS2	5107432	rs6053191	20	5180277	C	T	0.455268	-0.0075007	0.00826618	0.364198	0.301543	0.0530989	1.36E-08	-0.0248743	0.0277607	0.370238	0.7342753	6	0.8356628
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	0.96478	0.114393	3.34E-17	0.00338964	0.0102298	0.740381	0.8871896	7	0.9268498
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.576033	0.0888445	8.96E-11	0.00554361	0.017156	0.746597	0.2193325	13	0.9268498
ENSG00000101310	20	SEC23B	18488137	rs2328327	20	18630427	T	G	0.861829	0.0178065	0.0113893	0.117948	-0.506349	0.086132	4.13E-09	-0.0351665	0.0232748	0.1308084	0.2644405	8	0.64861908
ENSG00000232388	20	LINC00493	18548064	rs911135	20	18661293	G	A	0.499006	-0.0207728	0.00812273	0.0105465	-0.432066	0.0643484	1.89E-11	0.0480778	0.0201172	0.01685338	0.3717199	11	0.36968705
ENSG00000225056	20	RP11-218C14.5	23635862	rs2424591	20	23637093	T	G	0.847913	0.0107414	0.0106382	0.31264	-0.685978	0.116927	4.45E-09	-0.0156585	0.0157361	0.3197017	0.4370598	5	0.7975132
ENSG00000100987	20	VSX1	25051521	rs2207635	20	25071504	C	T	0.228628	-0.0130248	0.0101215	0.198149	-0.679692	0.108615	3.90E-10	0.0191628	0.0152029	0.2074998	0.6761691	7	0.72301278
ENSG00000175170	20	FAM182B	25744102	rs6107073	20	25716363	C	T	0.543738	-0.0040283	0.00815506	0.621337	0.617371	0.0951839	8.81E-11	-0.0065248	0.0132476	0.6223441	0.5483499	20	0.91768615
ENSG00000125804	20	FAM182A	26035291	rs6132919	20	26073480	C	T	0.476143	-0.0099445	0.00807549	0.218156	-0.881423	0.114742	1.57E-14	0.0112824	0.00927885	0.2240144	0.8931376	20	0.73360329
ENSG00000205611	20	RP4-610C12.4	29513582	rs6089084	20	29864102	C	T	0.661034	0.00620303	0.0082826	0.453904	-0.537284	0.094544	1.32E-08	-0.0115452	0.015549	0.4577826	0.1120272	20	0.86360679
ENSG00000126005	20	MMP24-AS1	33804265	rs2275275	20	33872311	C	G	0.201789	0.020486	0.00964348	0.0336419	-0.646997	0.0705217	4.54E-20	-0.0316632	0.0152993	0.03849162	0.7139035	10	0.46095935
ENSG00000224497	20	RPL36P4	34132175	rs12625762	20	34158587	A	G	0.147117	0.00110095	0.0140342	0.937472	1.14937	0.133837	8.86E-18	0.00095787	0.0122109	0.9374746	0.3860368	20	0.99049818
ENSG00000214078	20	CPNE1	34213953	rs8116836	20	34453362	A	T	0.111332	0.00905377	0.0146565	0.536754	-0.758178	0.101193	6.76E-14	-0.0119415	0.0193968	0.5381309	0.8289091	20	0.88495529
ENSG00000224635	20	RP4-564F22.5	37034658	rs1315306	20	37064744	G	A	0.219682	0.00849518	0.0103064	0.409791	1.14896	0.139194	1.53E-16	0.0073938	0.00901481	0.4121115	0.5024422	10	0.85680187
ENSG00000196756	20	SNHG17	37049235	rs788346	20	37059749	T	G	0.159046	0.0114051	0.0110917	0.303828	1.35028	0.120037	2.35E-29	0.00844647	0.00824862	0.3058418	0.6228189	19	0.7848016
ENSG00000183798	20	EMILIN3	39988606	rs4810317	20	40023046	T	C	0.213718	0.00623052	0.00862337	0.469977	-0.686744	0.119721	9.68E-09	-0.0090726	0.0126561	0.4734657	0.2944605	9	0.86360679
ENSG00000101104	20	PABPC1L	43538703	rs2425678	20	43538152	C	T	0.568588	-0.0237825	0.00810637	0.00334842	-0.422622	0.0725943	5.83E-09	0.0562737	0.0214791	0.00879481	0.8362114	7	0.31476169
ENSG00000124116	20	WFDC3	44376583	rs6032548	20	44425837	G	C	0.657058	-0.0071994	0.00853688	0.399048	0.887094	0.0870829	2.27E-24	-0.0081157	0.00965634	0.4006571	0.6192115	20	0.84348863
ENSG00000225849	20	MKRN7P	45092541	rs6011967	20	45095161	C	T	0.0596421	-0.0003255	0.0182511	0.98577	1.08932	0.17195	2.37E-10	-0.0002988	0.0167546	0.9857701	0.2404063	3	0.99485704
ENSG00000231742	20	RP11-112L6.4	48789087	rs6125926	20	48781156	G	T	0.327038	0.00918138	0.00855296	0.283058	0.670426	0.110213	1.18E-09	0.0136948	0.0129546	0.290448	0.8060019	3	0.77340485
ENSG00000019186	20	CYP24A1	52769988	rs2248137	20	52789743	G	C	0.404573	-0.0048393	0.00840198	0.564639	-0.722251	0.116759	6.18E-10	0.00670023	0.0116834	0.5663164	0.1903704	6	0.89208649
ENSG00000101181	20	MTG2	60758085	rs6062133	20	60768615	A	G	0.135189	-0.0132231	0.0104603	0.206189	0.733993	0.10885	1.55E-11	-0.0180153	0.0144995	0.2140602	0.6692902	3	0.72301278
ENSG00000101190	20	TCFL5	61472467	rs1980500	20	61473841	C	T	0.274354	0.0195559	0.00915807	0.0327303	0.442916	0.0687573	1.18E-10	0.0441526	0.0217832	0.04267151	0.3790663	7	0.47767102
ENSG00000231133	20	HAR1B	61726845	rs74177992	20	61733718	C	T	0.246521	-0.0185472	0.00969712	0.055793	-0.593998	0.104611	1.36E-08	0.0312243	0.0172264	0.06989623	0.7430643	6	0.56532704
ENSG00000225978	20	HAR1A	61733483	rs3746746	20	61735112	C	A	0.258449	-0.0143809	0.00940234	0.12614	-0.519183	0.0726	8.60E-13	0.0276991	0.0185195	0.1347382	0.2712163	7	0.64861908
ENSG00000101198	20	NKAIN4	61872136	rs78017705	20	61880073	A	G	0.0914513	-0.0229633	0.0172528	0.183192	0.757182	0.122679	6.74E-10	-0.0303273	0.0233093	0.1932307	0.3934173	9	0.70833895
ENSG00000130584	20	ZBTB46	62375019	rs73143503	20	62402628	A	G	0.311133	-0.0055915	0.008718	0.521279	0.486518	0.0849493	1.02E-08	-0.0114929	0.0180312	0.5238703	0.1397411	6	0.87918067
ENSG00000224924	21	LINC00320	22114908	rs34328150	21	22113448	G	T	0.816103	0.00036782	0.00910486	0.967776	-0.324069	0.0568434	1.19E-08	-0.001135	0.0280961	0.9677765	0.8905255	15	0.99248639
ENSG00000273492	21	AP000230.1	27543189	rs13049968	21	27588195	T	A	0.236581	-0.0085058	0.00921732	0.356109	0.943543	0.100411	5.62E-21	-0.0090147	0.00981583	0.3584167	0.1849879	20	0.83557563
ENSG00000156239	21	N6AMT1	30244513	rs11910981	21	30286330	C	G	0.213718	-0.0160677	0.0098284	0.102086	-0.763843	0.12419	7.72E-10	0.0210353	0.0133138	0.1141149	0.4152702	7	0.6086128
ENSG00000156253	21	RWDD2B	30376705	rs2832155	21	30410350	C	A	0.71173	-0.0211194	0.0106838	0.0480684	-0.597806	0.0812897	1.92E-13	0.0353282	0.0185061	0.0562615	0.1902169	20	0.54654029
ENSG00000142149	21	HUNK	33245628	rs12482093	21	32872310	C	T	0.0178926	0.0249976	0.0290018	0.388726	1.56651	0.267085	4.49E-09	0.0159575	0.0187125	0.3937849	0.8742889	3	0.8356628
ENSG00000256073	21	C21orf119	33765439	rs8131541	21	33769846	T	A	0.114314	-0.0277503	0.0159671	0.0822167	-0.558793	0.0915507	1.04E-09	0.0496611	0.0297101	0.09461788	0.02231991	10	0.60413294
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.441307	0.0735255	1.95E-09	-0.0358809	0.0205552	0.08088278	0.3065102	3	0.58510947
ENSG00000159267	21	HLCS	38123189	rs62225531	21	38346533	T	C	0.430417	0.00938889	0.00807649	0.245034	-0.516151	0.08783	4.19E-09	-0.0181902	0.0159507	0.2541204	0.8105938	9	0.74711929
ENSG00000224790	21	AP000704.5	38338812	rs2409867	21	38304372	A	C	0.423459	0.00860217	0.00809637	0.288021	-0.786914	0.107533	2.52E-13	-0.0109315	0.0103966	0.2930528	0.6449236	16	0.77747958
ENSG00000157578	21	LCA5L	40777770	rs7277633	21	40836441	A	G	0.520875	0.00324185	0.00807485	0.688071	-0.531808	0.0885491	1.90E-09	-0.0060959	0.0152177	0.6887287	0.2103703	7	0.92192031
ENSG00000226496	21	LINC00323	42513427	rs9974272	21	42521711	G	A	0.193837	0.0251611	0.0113042	0.0260262	-0.823748	0.149177	3.35E-08	-0.0305447	0.0147958	0.03897818	0.4508836	5	0.46095935
ENSG00000160200	21	CBS	44473301	rs35879780	21	44413457	A	G	0.141153	0.00962485	0.0102659	0.348473	-1.08299	0.156377	4.34E-12	-0.0088873	0.00956569	0.3528474	0.8390032	6	0.83166805
ENSG00000241945	21	PWP2	45527171	rs6518345	21	45477100	A	G	0.2833	0.00450114	0.00962377	0.639991	1.26453	0.11462	2.67E-28	0.00355954	0.00761739	0.6402917	0.421795	16	0.91901406
ENSG00000160221	21	C21orf33	45553487	rs9981485	21	45515366	G	A	0.17992	0.00099668	0.0108812	0.927018	1.42898	0.134066	1.59E-26	0.00069748	0.00761494	0.9270211	0.2115477	14	0.98666978
ENSG00000141959	21	PFKL	45719934	rs67861360	21	45725910	T	C	0.310139	0.00483796	0.00861454	0.574386	-0.43009	0.0754021	1.17E-08	-0.0112487	0.0201265	0.576229	0.6373164	4	0.89548921
ENSG00000215447	21	BX322557.10	46707967	rs2838868	21	46714641	T	C	0.295229	0.0191592	0.00874259	0.0284178	-0.625141	0.0794714	3.65E-15	-0.0306478	0.0145176	0.03476504	0.08253662	18	0.45654991
ENSG00000223768	21	LINC00205	46713200	rs2838865	21	46712299	T	C	0.296223	0.0138434	0.00914124	0.129927	-0.917331	0.0885991	4.02E-25	-0.015091	0.0100711	0.1340174	0.3124566	19	0.64861908
ENSG00000182362	21	YBEY	47706251	rs62224180	21	47726332	G	C	0.785288	-0.0182852	0.00947401	0.0536019	-0.770992	0.093014	1.14E-16	0.0237165	0.0126168	0.0601416	0.6727651	20	0.55465399
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.17747	0.102545	1.62E-30	0.0134474	0.00796808	0.0914768	0.4926927	20	0.59811754
ENSG00000093072	22	CECR1	17660194	rs3788276	22	17675173	G	C	0.0924453	-0.0238333	0.0163969	0.14608	-0.837168	0.15075	2.80E-08	0.028469	0.0202459	0.1596775	0.2139768	7	0.66449104
ENSG00000273164	22	DGCR10	19010569	rs28757280	22	19009723	C	A	0.286282	0.0142016	0.00868107	0.101854	-0.886033	0.0916932	4.33E-22	-0.0160283	0.0099371	0.1067499	0.08107565	20	0.6086128
ENSG00000230513	22	THAP7-AS1	21356175	rs369250	22	21356566	G	A	0.395626	0.00253433	0.00807716	0.753699	-0.63291	0.105524	2.00E-09	-0.0040043	0.0127794	0.754025	0.457576	9	0.93394718
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.45654	0.197303	1.56E-13	0.00526553	0.0122876	0.6682699	0.9700375	3	0.92192031
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs239918	22	22313829	C	A	0.483101	0.001169	0.00832587	0.88834	-0.882395	0.0885217	2.10E-23	-0.0013248	0.00943647	0.8883504	0.2326607	20	0.98318933
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.529374	0.096585	4.23E-08	-0.0067664	0.0168263	0.6875852	0.9102646	4	0.92192031
ENSG00000227755	22	AP000344.4	23788785	rs56806351	22	23776219	A	G	0.158052	-0.001095	0.0103144	0.915454	0.73688	0.121814	1.46E-09	-0.001486	0.0139995	0.9154666	0.2327872	4	0.98318933
ENSG00000272578	22	AP000347.2	24000281	rs41277299	22	24085867	A	G	0.161034	0.00605933	0.0154104	0.694173	-0.556299	0.0986681	1.72E-08	-0.0108922	0.0277689	0.6948774	0.2407043	5	0.92595657
ENSG00000128218	22	VPREB3	24094930	rs131441	22	24108756	C	T	0.83996	-0.0086888	0.0105722	0.411159	-0.905691	0.133211	1.05E-11	0.00959355	0.011758	0.4145498	0.1417292	10	0.85750625
ENSG00000218537	22	AP000350.4	24236613	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.963713	0.118744	4.82E-16	0.00910406	0.00873663	0.2973855	0.2983902	20	0.7791984
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.20098	0.0935941	1.09E-37	0.00730545	0.00697585	0.2949849	0.241825	20	0.77747958
ENSG00000225282	22	AP000350.6	24269087	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.885456	0.116315	2.69E-14	0.00990868	0.00951947	0.2979288	0.2259488	16	0.7791984
ENSG00000133433	22	GSTT2B	24299601	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	-0.958464	0.101821	4.81E-21	-0.0091539	0.00876587	0.2963614	0.287411	19	0.7791984
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.728939	0.116879	4.47E-10	0.0169873	0.0116208	0.1437975	0.9338015	16	0.65858471
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.38734	0.140016	3.83E-23	-0.0092577	0.00790962	0.2418247	0.3247983	20	0.7409144
ENSG00000224205	22	AP000351.4	24329511	rs4822466	22	24312204	A	G	0.562624	0.0123136	0.00829825	0.137842	0.853818	0.108816	4.28E-15	0.0144218	0.00989126	0.1448308	0.8916588	20	0.65858471
ENSG00000100058	22	CRYBB2P1	25844072	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	0.989296	0.130654	3.68E-14	-0.040511	0.0166497	0.01496854	0.1912184	9	0.36968705
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.02131	0.136506	7.33E-14	0.0392412	0.016148	0.01509461	0.4130151	12	0.36968705
ENSG00000235954	22	TTC28-AS1	28315364	rs2267128	22	28316173	A	G	0.0586481	-0.0221559	0.018107	0.221099	0.89547	0.152276	4.09E-09	-0.0247422	0.0206538	0.230936	0.6984942	14	0.73698899
ENSG00000225465	22	RFPL1S	29832818	rs7291001	22	29857859	G	C	0.171968	0.00101002	0.0113175	0.928888	-0.285463	0.0432874	4.26E-11	-0.0035382	0.0396497	0.9288944	0.02101593	4	0.98751263
ENSG00000237977	22	EIF4HP2	31298206	rs9609183	22	31409959	G	A	0.682903	-0.0099136	0.00855205	0.246375	0.594789	0.0866019	6.51E-12	-0.0166673	0.0145817	0.253024	0.9166156	12	0.74711929
ENSG00000205853	22	RFPL3S	32755893	rs5998471	22	32786217	A	G	0.244533	-0.0063512	0.00884196	0.472574	-0.600213	0.0999687	1.93E-09	0.0105815	0.0148364	0.4757147	0.9248659	4	0.86360679
ENSG00000100225	22	FBXO7	32870663	rs3827335	22	32883282	G	A	0.589463	0.00468295	0.00833289	0.574127	0.399232	0.0610313	6.09E-11	0.0117299	0.0209492	0.5755331	0.3359528	3	0.89548921
ENSG00000133466	22	C1QTNF6	37576207	rs69264	22	37603950	A	G	0.222664	-0.0211238	0.00985497	0.0320752	-0.616002	0.0919698	2.11E-11	0.0342918	0.0167975	0.04120349	0.8991194	8	0.47488768
ENSG00000100106	22	TRIOBP	38093011	rs4396807	22	38138379	C	G	0.366799	0.00629571	0.00831946	0.449203	-0.339599	0.0521797	7.60E-11	-0.0185387	0.0246629	0.452243	0.4059505	12	0.86360679
ENSG00000100156	22	SLC16A8	38474141	rs2076370	22	38463968	G	A	0.61332	-0.0042903	0.00893926	0.631268	-0.497541	0.0817248	1.14E-09	0.00862309	0.0180226	0.6323235	0.9694087	15	0.91901406
ENSG00000235209	22	CTA-150C2.13	39317232	rs6001315	22	39304924	G	A	0.630219	0.0146383	0.00839842	0.0813373	0.827381	0.113907	3.77E-13	0.0176923	0.0104388	0.0901001	0.7678071	4	0.59196201
ENSG00000172346	22	CSDC2	41956767	rs12483998	22	41935362	G	A	0.215706	0.0218355	0.00950077	0.0215452	0.701703	0.114617	9.23E-10	0.0311179	0.0144622	0.03142354	0.4896639	14	0.45426563
ENSG00000183172	22	SMDT1	42475695	rs2413666	22	42459622	T	C	0.664016	-0.0040065	0.00829838	0.629238	0.331154	0.0524091	2.64E-10	-0.0120985	0.025132	0.6302352	0.3850465	19	0.91901406
ENSG00000184983	22	NDUFA6	42481529	rs117529804	22	42669104	T	C	0.028827	0.0291349	0.0283791	0.304594	0.789392	0.134219	4.07E-09	0.036908	0.0364942	0.3118537	0.735674	3	0.79423414
ENSG00000100197	22	CYP2D6	42522501	rs2413670	22	42511822	C	G	0.539761	-0.0072212	0.00804529	0.369418	0.640626	0.0806192	1.92E-15	-0.0112721	0.0126383	0.3724501	0.02916954	20	0.8356628
ENSG00000227370	22	RP4-669P10.19	42528550	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	0.704622	0.124541	1.53E-08	-0.0290263	0.018395	0.1145774	0.06474058	9	0.60869244
ENSG00000205702	22	CYP2D7P1	42536214	rs28515621	22	42534126	G	T	0.337972	0.00256672	0.0083714	0.759144	-0.451928	0.0689068	5.43E-11	-0.0056795	0.018544	0.7593981	0.8663113	16	0.93633855
ENSG00000093000	22	NUP50	45559722	rs9614613	22	45580836	C	G	0.533797	-0.0090709	0.00812507	0.264249	0.402006	0.0689594	5.56E-09	-0.022564	0.0205786	0.2728694	0.6751346	4	0.75782812
ENSG00000100373	22	UPK3A	45680863	rs2673088	22	45683246	T	C	0.73161	0.00334794	0.0091134	0.713347	-0.784137	0.138313	1.43E-08	-0.0042696	0.0116466	0.7139206	0.3276995	4	0.92595657
ENSG00000100376	22	FAM118A	45704849	rs9614647	22	45741718	T	C	0.865805	0.0127513	0.0105659	0.227499	-1.6121	0.157833	1.72E-24	-0.0079098	0.00659971	0.2307231	0.5137995	11	0.73698899
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.703229	0.101464	4.18E-12	0.00318222	0.0120895	0.7923792	0.7482261	8	0.95316662
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.57335	0.154083	1.77E-24	0.03202	0.0167405	0.05578249	0.00141349	20	0.54578551
ENSG00000100429	22	HDAC10	50683612	rs9628271	22	50676459	G	A	0.738569	0.00211951	0.00948539	0.823185	-0.723861	0.10046	5.79E-13	-0.0029281	0.0131102	0.8232689	0.7388022	4	0.96487139
ENSG00000188130	22	MAPK12	50683879	rs1129880	22	50694297	G	A	0.699801	0.00182924	0.00896975	0.838405	-0.608817	0.0801008	2.95E-14	-0.0030046	0.0147384	0.8384621	0.9403439	5	0.9711827
ENSG00000100239	22	PPP6R2	50781733	rs4040021	22	51199281	C	T	0.430417	-0.0005561	0.00814083	0.945538	0.386508	0.0689187	2.04E-08	-0.0014388	0.0210641	0.9455418	0.7880139	4	0.99049818
ENSG00000205560	22	CPT1B	51007290	rs762676	22	51017794	G	A	0.0427435	-0.0168835	0.0161755	0.296592	-0.808745	0.126913	1.86E-10	0.0208762	0.0202673	0.3029894	0.9649321	14	0.78199769
ENSG00000100288	22	CHKB	51017378	rs86337	22	51020668	A	C	0.569583	0.00626675	0.0083578	0.45337	0.421851	0.0621027	1.10E-11	0.0148554	0.0199325	0.4561013	0.7471218	8	0.86360679
ENSG00000100299	22	ARSA	51061182	rs11912237	22	51060049	A	G	0.0884692	-0.0145717	0.0185515	0.432177	-0.944525	0.132762	1.12E-12	0.0154275	0.0197604	0.4349619	0.9350418	6	0.86360679
ENSG00000184319	22	AC002055.4	51195376	rs9616985	22	51229805	C	T	0.0775348	-0.0140944	0.0155818	0.365708	-0.734379	0.128861	1.21E-08	0.0191923	0.0214832	0.3716645	0.8067038	8	0.8356628
ENSG00000205664	23	RP11-706O15.1	3735569	rs6655837	23	3747314	A	G	0.18799	0.0114228	0.00976392	0.242041	-0.521174	0.0881157	3.33E-09	-0.0219174	0.0190974	0.2511073	0.9719885	6	0.74711929
ENSG00000101846	23	STS	7137497	rs6638656	23	7028862	A	G	0.549608	-0.0187633	0.00707834	0.00803027	0.202375	0.0349898	7.30E-09	-0.0927155	0.0384748	0.01596247	0.1633985	14	0.36968705
ENSG00000205642	23	VCX3B	8432871	rs7888793	23	8441829	C	T	0.429504	0.00366471	0.00712794	0.60716	-0.609564	0.100489	1.31E-09	-0.006012	0.0117354	0.6084436	0.9730186	4	0.91199638
ENSG00000176896	23	TCEANC	13671225	rs5935646	23	13677862	A	G	0.493473	-0.0007348	0.00708384	0.917389	-0.438185	0.07771	1.71E-08	0.00167683	0.0161691	0.9174024	0.6439138	7	0.98318933
ENSG00000046647	23	GEMIN8	14026398	rs73438928	23	14050842	T	C	0.300261	0.00254085	0.00785406	0.74631	-0.45524	0.0705327	1.09E-10	-0.0055813	0.0172742	0.7466178	0.7273242	7	0.9268498
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.408233	0.0509668	1.15E-15	-0.0223273	0.018712	0.232788	0.05956841	12	0.73698899
ENSG00000087842	23	PIR	15402921	rs2271550	23	15511412	C	A	0.648825	0.0196323	0.00760092	0.00979783	0.428253	0.0645753	3.32E-11	0.0458428	0.0190473	0.01609342	0.02523802	8	0.36968705
ENSG00000147003	23	TMEM27	15645441	rs5936026	23	15734004	T	C	0.527415	-0.0013704	0.00705872	0.846063	0.516233	0.0698757	1.49E-13	-0.0026546	0.0136782	0.8461154	0.8653303	4	0.97248941
ENSG00000169249	23	ZRSR2	15808595	rs5980192	23	15817963	G	A	0.734987	-0.0090658	0.00810155	0.263132	-0.484464	0.0692078	2.56E-12	0.018713	0.016935	0.2691646	0.3376591	4	0.75633028
ENSG00000183690	23	EFHC2	44007128	rs11795604	23	44184600	C	T	0.385117	5.56E-05	0.00715732	0.993807	-0.27238	0.0470946	7.31E-09	-0.0002039	0.026277	0.9938073	0.7086872	8	0.99747449
ENSG00000147164	23	SNX12	70279094	rs34211894	23	70282696	G	A	0.586162	-0.0012872	0.00706388	0.855414	-0.401564	0.0558183	6.29E-13	0.00320534	0.0175966	0.8554593	0.982594	6	0.974435
ENSG00000231963	23	RP11-493K23.4	72300006	rs7472722	23	72315655	A	C	0.129243	-0.0086974	0.0106732	0.415137	-0.683217	0.121504	1.88E-08	0.0127301	0.0157852	0.419978	0.3678582	8	0.86360679
ENSG00000186675	23	MAGEE2	75002823	rs6647669	23	74459562	G	A	0.0639687	-0.0002311	0.0137959	0.986632	-0.739666	0.127678	6.91E-09	0.0003125	0.0186516	0.9866323	0.9967513	7	0.99485704
ENSG00000102362	23	SYTL4	99929488	rs2071707	23	99987556	T	A	0.523499	9.61E-05	0.00709685	0.989194	0.511874	0.07012	2.88E-13	0.00018778	0.0138645	0.9891936	0.3091629	10	0.99504682
ENSG00000102409	23	BEX4	102470020	rs87951	23	102524477	T	C	0.586162	-0.0008896	0.00705138	0.899602	-0.175932	0.0312298	1.77E-08	0.00505669	0.0400902	0.8996268	0.1607699	10	0.98318933
ENSG00000231728	23	LL0XNC01-116E7.:	103172005	rs178124	23	103348798	G	A	0.332898	-0.0041027	0.00729243	0.573709	-0.586553	0.0852922	6.11E-12	0.00699459	0.0124742	0.5749858	0.5976336	6	0.89548921
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.512907	0.0751515	8.79E-12	-0.0254939	0.0158231	0.1071403	0.4139573	10	0.6086128
ENSG00000018610	23	CXorf56	118672112	rs62601742	23	118692092	A	G	0.0417755	0.00673963	0.019622	0.731242	-0.653166	0.0978609	2.48E-11	-0.0103184	0.0300811	0.731584	0.9916183	20	0.92595657
ENSG00000165509	23	MAGEC3	140926102	rs844957	23	140449683	A	G	0.882507	0.00480792	0.0097381	0.621501	0.632763	0.111372	1.34E-08	0.00759829	0.0154478	0.622812	0.4984887	3	0.91768615
ENSG00000238039	23	AF011889.2	148593039	rs11797408	23	148626523	G	A	0.694517	0.0061248	0.00725816	0.398753	-0.645243	0.0891493	4.56E-13	-0.0094922	0.0113249	0.4019337	0.9313617	8	0.84356456
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.624525	0.100181	4.55E-10	0.00716111	0.0121525	0.5556786	0.7900509	6	0.8863058
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.10017	0.173069	2.06E-10	-0.0122475	0.0190125	0.5194586	0.2274032	6	0.87918067
ENSG00000177854	23	TMEM187	153237778	rs1734790	23	153301653	A	C	0.814621	-0.0055728	0.00927984	0.548156	0.436729	0.0751767	6.27E-09	-0.0127603	0.0213617	0.5502781	0.0303187	16	0.88620808

Table S9. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in hippocampus

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000272512	1	RP11-54O7.17	931346	rs2799060	1	931362	A	G	0.360835	-0.0060207	0.00818077	0.461758	-0.448108	0.0750376	2.35E-09	0.0134358	0.0183944	0.4651271	0.6700458	10	0.8574394
ENSG00000131591	1	C1orf159	1017198	rs6689308	1	1029805	G	A	0.166998	-0.0045701	0.00996982	0.646667	-0.46437	0.0681537	9.52E-12	0.00984155	0.0215181	0.6474112	0.6842557	5	0.91912703
ENSG00000162576	1	MXRA8	1288069	rs12731385	1	1294287	A	C	0.921471	0.00071195	0.0117671	0.951755	0.714989	0.108426	4.27E-11	0.00099575	0.0164584	0.9517566	0.9551343	16	0.98990046
ENSG00000242485	1	MRPL20	1337288	rs2275915	1	1342612	C	G	0.16998	-0.0225282	0.0117561	0.0553261	0.232716	0.0404582	8.82E-09	-0.0968056	0.0532466	0.06905509	0.4636673	14	0.55697839
ENSG00000235098	1	ANKRD65	1353800	rs35705386	1	1295682	G	A	0.922465	-0.001962	0.0121978	0.872213	0.820101	0.1012	5.33E-16	-0.0023924	0.0148765	0.8722382	0.6367513	20	0.97746477
ENSG00000215915	1	ATAD3C	1385069	rs1240695	1	1378837	C	T	0.208748	-0.0104547	0.00887514	0.238808	-0.797359	0.085248	8.49E-21	0.0131117	0.0112186	0.242507	0.7621672	20	0.74509917
ENSG00000160072	1	ATAD3B	1407143	rs116603779	1	1469861	T	C	0.0129225	0.0267729	0.0432999	0.536369	-2.13399	0.232976	5.21E-20	-0.0125459	0.0203368	0.5372946	0.8132652	20	0.88348794
ENSG00000189339	1	SLC35E2B	1592939	rs79113395	1	1590521	A	G	0.256461	0.00473859	0.00961137	0.621998	-0.818303	0.0706164	4.74E-31	-0.0057908	0.0117561	0.6223139	0.3053227	20	0.91218503
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.61239	0.204441	3.10E-15	-0.008245	0.0192104	0.6677833	0.249473	4	0.91912703
ENSG00000227775	1	RP1-283E3.4	1655951	rs72634820	1	1597020	G	C	0.262425	0.00023575	0.00943882	0.980073	0.745395	0.0837744	5.70E-19	0.00031628	0.0126629	0.9800735	0.4708519	11	0.99206043
ENSG00000215790	1	SLC35E2	1656277	rs148796517	1	1783232	T	C	0.0238569	0.0556568	0.0561856	0.321887	-1.63115	0.180715	1.78E-19	-0.0341212	0.0346522	0.3247832	0.5201136	4	0.78801647
ENSG00000231050	1	RP1-140A9.1	1822910	rs12126768	1	1778090	G	T	0.201789	-0.0020119	0.0109133	0.853738	-0.929732	0.124448	7.97E-14	0.00216395	0.0117417	0.8537812	0.3074937	20	0.97395571
ENSG00000169598	1	DFFB	3773845	rs11584266	1	3791533	A	G	0.462227	-0.011267	0.00811939	0.16524	0.415021	0.0631406	4.93E-11	-0.027148	0.019995	0.1745468	0.6142844	8	0.68273767
ENSG00000198912	1	C1orf174	3805689	rs6701422	1	3808171	C	T	0.737575	-0.0050929	0.00933911	0.585524	0.955205	0.117174	3.58E-16	-0.0053318	0.00979893	0.5863607	0.4528205	5	0.90082611
ENSG00000131697	1	NPHP4	5922871	rs58640305	1	5960318	T	C	0.153082	-0.0198362	0.0118282	0.0935363	-0.420305	0.0622853	1.50E-11	0.0471948	0.028998	0.1036268	0.01333374	20	0.62987719
ENSG00000116237	1	ICMT	6281253	rs2092412	1	6279118	C	T	0.0407555	-0.0456071	0.0332949	0.170752	-0.69765	0.10752	8.67E-11	0.0653725	0.0487762	0.1801633	0.5122118	6	0.68807378
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.672908	0.0721916	1.15E-20	0.00305618	0.0119956	0.7988964	0.02161596	20	0.95011181
ENSG00000269978	1	RP11-338N10.3	7760764	rs3011928	1	7752828	A	G	0.455268	0.00446501	0.00813656	0.583171	0.48207	0.0723669	2.71E-11	0.00926216	0.0169356	0.5844431	0.9278063	3	0.90051062
ENSG00000049245	1	VAMP3	7831329	rs1048785	1	7841330	A	G	0.141153	-0.004932	0.0105099	0.638874	0.294515	0.0418166	1.88E-12	-0.0167463	0.0357646	0.6396155	0.07299736	7	0.91912703
ENSG00000238290	1	RP11-431K24.1	8086798	rs72634234	1	8093432	C	T	0.446322	0.00758106	0.00841422	0.367598	0.705893	0.097715	5.05E-13	0.0107397	0.0120123	0.3712924	0.04082949	9	0.81024032
ENSG00000116688	1	MFN2	12040238	rs2236054	1	12040324	G	A	0.44334	-0.0009977	0.00818773	0.903017	0.3256	0.0458744	1.27E-12	-0.0030641	0.0251503	0.9030315	0.5448443	8	0.97758476
ENSG00000228140	1	RP3-467K16.4	15729475	rs2092324	1	15733394	A	G	0.704771	-0.0068303	0.00823923	0.407108	-0.562626	0.0864809	7.73E-11	0.0121399	0.0147626	0.4108822	0.9000174	3	0.83492002
ENSG00000162461	1	SLC25A34	16062900	rs11577746	1	16061586	G	A	0.21173	-0.0043913	0.010149	0.665243	-0.620933	0.0763514	4.20E-16	0.00707215	0.0163679	0.665687	0.164267	10	0.91912703
ENSG00000232456	1	RP11-5P18.10	16361673	rs2863454	1	16388534	T	C	0.308151	-0.0072742	0.0107494	0.498589	0.938361	0.1151	3.56E-16	-0.0077521	0.0114949	0.5000621	0.6906949	17	0.86624602
ENSG00000185519	1	FAM131C	16384264	rs12728542	1	16383267	G	A	0.315109	-0.0090613	0.010737	0.398704	0.753338	0.11294	2.55E-11	-0.0120282	0.0143662	0.4024468	0.4761651	12	0.8242066
ENSG00000142632	1	ARHGEF19	16524349	rs221052	1	16533022	T	C	0.740557	0.00746333	0.0095429	0.434166	-0.59947	0.0810825	1.43E-13	-0.0124499	0.0160077	0.4367207	0.2910468	6	0.85440418
ENSG00000215908	1	CROCCP2	16944751	rs277462	1	16847832	C	T	0.597416	0.0115808	0.00849112	0.172609	-0.615054	0.0932696	4.27E-11	-0.0188289	0.0140977	0.1816784	0.9708742	14	0.68807378
ENSG00000186301	1	MST1P2	16972069	rs76074825	1	17284498	C	T	0.525845	-0.0053509	0.00810043	0.508885	0.481962	0.0821617	4.46E-09	-0.0111024	0.0169134	0.511551	0.9497142	13	0.87396207
ENSG00000058453	1	CROCC	17066768	rs12217103	1	17275895	T	A	0.307157	0.0138222	0.00842089	0.10071	0.299025	0.0474839	3.03E-10	0.0462242	0.0291021	0.1122073	0.7987722	5	0.62987719
ENSG00000186715	1	MST1L	17081405	rs7513616	1	17298496	G	A	0.493042	-0.0101638	0.00824174	0.217497	-0.695606	0.0979259	1.22E-12	0.0146114	0.0120255	0.2243524	0.3094195	16	0.72895982
ENSG00000238142	1	RP11-108M9.4	17215033	rs157252	1	16796721	C	A	0.553678	-0.0031391	0.00807261	0.697381	-0.546535	0.0897428	1.13E-09	0.00574366	0.0148006	0.6979649	0.7113875	15	0.92453641
ENSG00000235241	1	RP11-108M9.5	17215590	rs2019755	1	17004770	T	G	0.519881	-0.001082	0.00825554	0.895726	-0.582902	0.100527	6.69E-09	0.00185621	0.0141664	0.8957525	0.8572078	6	0.97758476
ENSG00000159423	1	ALDH4A1	19197926	rs28514949	1	19237686	T	C	0.0387674	0.0518562	0.0234965	0.0273162	0.803274	0.121069	3.25E-11	0.0645561	0.0308267	0.03624582	0.3893454	7	0.45167317
ENSG00000127463	1	EMC1	19542158	rs10799717	1	19498296	G	A	0.429423	-0.0200842	0.00819341	0.0142357	-0.476637	0.0587571	4.98E-16	0.0421373	0.0179577	0.01895205	0.5110381	20	0.38719027
ENSG00000169914	1	OTUD3	20209006	rs10492999	1	20237760	G	A	0.05666	0.015587	0.0132551	0.239624	1.01848	0.13394	2.87E-14	0.0153042	0.0131693	0.2451905	0.4534989	5	0.74596735
ENSG00000227066	1	RP3-340N1.2	20480831	rs6426613	1	20480668	T	G	0.331014	0.00545396	0.00835532	0.513916	0.751646	0.0918079	2.67E-16	0.00725602	0.0111513	0.5152478	0.3659593	5	0.87396207
ENSG00000090432	1	MUL1	20825943	rs12723377	1	20773908	A	G	0.146123	-0.0100852	0.0111381	0.365219	0.588449	0.0981684	2.04E-09	-0.0171386	0.0191426	0.3706205	0.3713126	9	0.81024032
ENSG00000117245	1	KIF17	20990507	rs604645	1	21043926	C	T	0.7167	0.00039865	0.00905417	0.964881	0.263485	0.0425022	5.67E-10	0.001513	0.034364	0.9648816	0.3798961	10	0.99014777
ENSG00000227001	1	NBPF2P	21751118	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	0.929794	0.122667	3.46E-14	-0.0143645	0.0102593	0.1614714	0.8004125	8	0.67262324
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.18929	0.0920704	3.60E-38	0.0112302	0.00793056	0.156755	0.3379879	20	0.66444926
ENSG00000218510	1	LINC00339	22351681	rs11801382	1	22352108	T	C	0.27833	0.0065088	0.00916258	0.477476	0.780153	0.108452	6.31E-13	0.00834298	0.0118017	0.4796106	0.07126498	5	0.8574394
ENSG00000204219	1	TCEA3	23707554	rs1986133	1	23804917	T	C	0.688867	-0.0127259	0.00917197	0.165295	0.553383	0.0740553	7.86E-14	-0.0229966	0.0168576	0.1725168	0.516233	5	0.68201901
ENSG00000001460	1	STPG1	24683489	rs4648989	1	24775967	A	G	0.225646	0.0145262	0.0102652	0.15704	-0.390494	0.0629632	5.58E-10	-0.0371995	0.0269633	0.1676992	0.8914828	4	0.67654707
ENSG00000261349	1	RP3-465N24.5	25592593	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.733489	0.107267	8.03E-12	0.0413168	0.013018	0.00150447	0.8858969	5	0.1592668
ENSG00000187010	1	RHD	25598884	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-1.12719	0.0956332	4.58E-32	0.0268858	0.00784242	0.00060748	0.2768401	12	0.1592668
ENSG00000224183	1	SDHDP6	25620655	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.753072	0.104085	4.65E-13	0.0402424	0.0125328	0.00132287	0.6677288	5	0.1592668
ENSG00000188672	1	RHCE	25688740	rs599691	1	25698354	C	T	0.554672	-0.0126817	0.00806275	0.115748	0.816347	0.0884731	2.78E-20	-0.0155347	0.0100191	0.1210193	0.01237272	10	0.63684501
ENSG00000157978	1	LDLRAP1	25870071	rs4603124	1	25893243	A	G	0.469185	-0.0152241	0.00807726	0.0594552	0.39775	0.039367	5.32E-24	-0.0382756	0.0206577	0.06390442	0.0577768	7	0.55361197
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.71093	0.0727416	1.47E-22	0.0201588	0.0139993	0.1498706	0.00650832	20	0.65648756
ENSG00000174950	1	CD164L2	27705666	rs111871083	1	27823957	T	C	0.105368	0.00892734	0.0136152	0.512024	0.770817	0.137788	2.22E-08	0.0115817	0.0177842	0.5148972	0.1030018	13	0.87396207
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.3228	0.100847	2.64E-39	0.0162119	0.0145801	0.2661719	0.8319795	13	0.75505733
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.06369	0.0858404	2.91E-35	0.00647098	0.00849991	0.4464778	0.6764119	20	0.85482403
ENSG00000204138	1	PHACTR4	28696114	rs12144013	1	28675583	G	A	0.461233	0.0149018	0.0081148	0.0663025	-0.244676	0.0416742	4.33E-09	-0.0609042	0.0347499	0.07966343	0.6858688	7	0.58698973
ENSG00000084628	1	NKAIN1	31652592	rs10737355	1	31683480	G	A	0.762425	0.0018219	0.00889708	0.837748	0.947609	0.0852807	1.10E-28	0.00192263	0.00939057	0.837775	0.06519443	20	0.96455581
ENSG00000235790	1	RP11-73M7.6	32109650	rs3862892	1	32188994	G	A	0.529821	0.00103208	0.00807889	0.898347	0.425599	0.0560896	3.25E-14	0.00242501	0.0189851	0.898361	0.8283504	6	0.97758476
ENSG00000084636	1	COL16A1	32117848	rs10798887	1	32173811	A	G	0.537773	-0.0002472	0.008081	0.975592	0.445158	0.0461665	5.29E-22	-0.0005554	0.0181532	0.9755919	0.7604815	10	0.99169992
ENSG00000214193	1	SH3D21	36771988	rs12116935	1	36789546	G	A	0.421471	-0.0073506	0.00831824	0.376874	-0.299476	0.0547405	4.48E-08	0.0245448	0.028136	0.3830102	0.2471489	6	0.81183661
ENSG00000116883	1	RP11-268J15.5	36789335	rs12116935	1	36789546	G	A	0.421471	-0.0073506	0.00831824	0.376874	0.303274	0.043722	4.02E-12	-0.0242374	0.0276498	0.3807119	0.1173603	9	0.81183661
ENSG00000233621	1	RP11-422J8.1	37920480	rs2456801	1	37926496	T	C	0.33002	0.00218774	0.00904679	0.808916	0.647712	0.0886788	2.79E-13	0.00337764	0.013975	0.8090184	0.2493224	11	0.95173338
ENSG00000204084	1	INPP5B	38326369	rs4653329	1	38285893	T	G	0.281312	0.00652729	0.00863567	0.449738	0.400897	0.0553777	4.51E-13	0.0162817	0.021658	0.452192	0.3994194	7	0.8574394
ENSG00000174574	1	AKIRIN1	39456895	rs35796260	1	39481688	A	G	0.128231	0.0131347	0.0127486	0.302875	0.632128	0.0912042	4.18E-12	0.0207785	0.0203894	0.3081613	0.5541715	7	0.77917725
ENSG00000237624	1	OXCT2P1	39980628	rs1185303	1	40012882	A	G	0.336978	-0.0129258	0.00846095	0.126587	-0.593506	0.103312	9.20E-09	0.0217787	0.0147513	0.1398395	0.1270058	13	0.6493459
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-0.950356	0.152632	4.77E-10	0.00617473	0.0175838	0.7254687	0.4035321	4	0.92829712
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.763928	0.0701154	1.21E-27	-0.0006203	0.010944	0.9547983	0.4400923	19	0.98990046
ENSG00000187815	1	ZFP69	40942887	rs7547819	1	40948479	C	T	0.32505	-0.0046961	0.00877462	0.592517	-0.603812	0.0951658	2.23E-10	0.00777744	0.0145836	0.5938269	0.939493	9	0.90082611
ENSG00000238287	1	RP11-656D10.3	40958829	rs6600339	1	40940020	G	A	0.32505	-0.0047949	0.00877215	0.584649	-0.801259	0.120974	3.51E-11	0.00598423	0.0109852	0.5859219	0.9428909	6	0.90082611
ENSG00000164008	1	C1orf50	43232940	rs7538928	1	43289804	G	A	0.251491	0.00403247	0.0084494	0.633184	-0.574673	0.0790584	3.62E-13	-0.007017	0.0147346	0.6339148	0.4414185	20	0.91850328
ENSG00000228452	1	RP5-994D16.9	43241484	rs2760082	1	43265535	C	A	0.297217	0.00051302	0.00833467	0.950919	0.598571	0.101375	3.54E-09	0.00085708	0.013925	0.9509217	0.2478381	12	0.98990046
ENSG00000177868	1	CCDC23	43272723	rs6678526	1	43284052	C	G	0.677932	-0.0011046	0.00825042	0.893498	-0.477982	0.0678219	1.82E-12	0.00231088	0.0172641	0.8935172	0.3842396	15	0.97758476
ENSG00000164010	1	ERMAP	43282795	rs12406643	1	43311563	G	A	0.16501	0.00028238	0.0113317	0.980119	-0.4579	0.0811781	1.69E-08	-0.0006167	0.0247473	0.9801194	0.1336191	3	0.99206043
ENSG00000227533	1	SLC2A1-AS1	43424720	rs841574	1	43436513	C	T	0.466203	-0.0085189	0.00812441	0.294383	0.688353	0.0951352	4.64E-13	-0.0123758	0.011926	0.2994022	0.5627049	11	0.77811352
ENSG00000117407	1	ARTN	44398992	rs12726706	1	44399942	A	G	0.757455	0.00337343	0.00936423	0.718663	-0.622769	0.0948233	5.11E-11	-0.0054168	0.015059	0.7190672	0.86837	10	0.92829712
ENSG00000232022	1	RP5-1109J22.1	46897801	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	-0.643809	0.0928022	3.99E-12	-0.0021203	0.0134068	0.8743404	0.721485	10	0.97751185
ENSG00000272491	1	RP5-1024N4.4	48693560	rs2275309	1	48937691	T	A	0.428429	-0.0021491	0.00829875	0.79566	0.620011	0.0705902	1.59E-18	-0.0034663	0.0133907	0.7957468	0.2856806	20	0.94877503
ENSG00000132122	1	SPATA6	48761044	rs3767618	1	48857670	A	G	0.422465	-0.0029459	0.0083369	0.723817	-0.235463	0.0430528	4.52E-08	0.0125113	0.0354802	0.7243686	0.5410858	8	0.92829712
ENSG00000227742	1	CALR4P	52027538	rs12142039	1	52048980	T	C	0.459245	-0.0018018	0.00862102	0.83445	-0.684015	0.113395	1.62E-09	0.00263411	0.0126111	0.8345482	0.1799091	3	0.96244121
ENSG00000078618	1	NRD1	52254863	rs112010165	1	52292576	T	C	0.0188867	0.00349979	0.0344865	0.919167	0.895765	0.158144	1.48E-08	0.00390704	0.0385057	0.9191801	0.07457463	6	0.98004983
ENSG00000134744	1	ZCCHC11	52873954	rs11805462	1	53003821	T	C	0.0506958	-0.0073924	0.0173094	0.669328	0.69344	0.0853573	4.51E-16	-0.0106604	0.0249961	0.6697563	0.8110008	20	0.91912703
ENSG00000162383	1	SLC1A7	53552855	rs11206111	1	53609496	T	C	0.367793	0.010745	0.00831645	0.19635	0.677346	0.0807403	4.90E-17	0.0158634	0.0124228	0.2016156	0.7464586	19	0.71338263
ENSG00000162384	1	C1orf123	53679771	rs12145535	1	53693831	T	C	0.316103	-0.0129892	0.00825884	0.115773	-0.516606	0.0806734	1.52E-10	0.0251433	0.0164618	0.1266687	0.5191033	8	0.64900038
ENSG00000243725	1	TTC4	55181495	rs12078343	1	55192440	T	C	0.0616302	-0.0018993	0.0180438	0.916171	1.30982	0.157019	7.32E-17	-0.00145	0.0137769	0.9161775	0.07933078	7	0.97843275
ENSG00000162600	1	OMA1	58881056	rs7355166	1	58985750	A	G	0.292247	-0.004439	0.0102353	0.664514	0.340774	0.0466627	2.82E-13	-0.0130261	0.0300884	0.6650674	0.1789836	13	0.91912703
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.15654	0.0921922	4.24E-36	0.0140656	0.00748881	0.06035229	0.5315622	11	0.54438791
ENSG00000177414	1	UBE2U	64669310	rs705544	1	64728286	G	A	0.65507	0.00520872	0.0088891	0.557898	-0.8413	0.0928409	1.28E-19	-0.0061913	0.010588	0.5587186	0.5743431	20	0.89472516
ENSG00000197568	1	HHLA3	70820488	rs7536099	1	70821757	G	A	0.261431	0.0037354	0.0107382	0.727944	-0.391716	0.0695329	1.77E-08	-0.009536	0.0274654	0.7284414	0.8702445	5	0.92877396
ENSG00000162620	1	LRRIQ3	74491699	rs522042	1	74666274	T	C	0.464215	0.00128779	0.00806395	0.87312	-0.561152	0.0764114	2.08E-13	-0.0022949	0.0143737	0.8731494	0.863078	10	0.97751185
ENSG00000116783	1	TNNI3K	74663947	rs792323	1	74707594	T	C	0.142147	-0.0077154	0.0104864	0.461883	-0.735647	0.107778	8.76E-12	0.0104879	0.0143372	0.4644638	0.6505911	7	0.8574394
ENSG00000272864	1	RP11-17E13.2	75164453	rs4145871	1	75218704	T	C	0.685885	-0.0032886	0.00855513	0.700679	-0.699748	0.081106	6.27E-18	0.00469975	0.0122381	0.7009602	0.2472763	18	0.92491112
ENSG00000116791	1	CRYZ	75171170	rs17617240	1	75173938	T	C	0.0417495	0.0514158	0.0279986	0.066304	-1.20179	0.185339	8.92E-11	-0.0427827	0.0242137	0.07724816	0.1082218	7	0.57744037
ENSG00000162623	1	TYW3	75198836	rs1590639	1	75264485	T	C	0.492048	0.00488599	0.00819501	0.551031	-0.397476	0.0679	4.80E-09	-0.0122925	0.0207243	0.553083	0.1856529	12	0.8905065
ENSG00000057468	1	MSH4	76262567	rs1146642	1	76261434	G	A	0.66501	0.00732094	0.00831614	0.378681	0.575776	0.0996712	7.62E-09	0.0127149	0.0146101	0.3841465	0.9471179	16	0.81183661
ENSG00000153898	1	MCOLN2	85391268	rs6691674	1	85450627	C	T	0.485089	-0.0006398	0.00812586	0.937247	-0.50933	0.0855776	2.65E-09	0.00125607	0.0159554	0.9372522	0.3316868	7	0.9896659
ENSG00000055732	1	MCOLN3	85483765	rs34407588	1	85514282	C	T	0.242545	0.00668938	0.00966969	0.48907	-0.371585	0.0618651	1.90E-09	-0.0180023	0.0261949	0.4919282	0.1676764	3	0.86454387
ENSG00000183291	1	15-Sep	87328132	rs10873811	1	87460636	A	G	0.804175	0.004658	0.0108365	0.667307	-0.358819	0.0545202	4.66E-11	-0.0129815	0.0302648	0.6679744	0.05122494	16	0.91912703
ENSG00000137944	1	CCBL2	89401456	rs10801690	1	89373371	C	T	0.479125	-0.00944	0.00810348	0.244047	-0.6247	0.0763883	2.89E-16	0.0151112	0.0131027	0.2487921	0.4444055	15	0.74596735
ENSG00000117226	1	GBP3	89472349	rs10922542	1	89485198	T	C	0.331014	0.0176859	0.00944196	0.0610534	-1.00755	0.0763392	8.97E-40	-0.0175534	0.00946511	0.0636628	0.5426144	20	0.55361197
ENSG00000231613	1	RP5-943J3.1	90254473	rs200858154	1	90228306	A	T	0.530815	0.00429684	0.00824944	0.602461	0.708722	0.0966996	2.32E-13	0.0060628	0.0116692	0.6033744	0.7013294	7	0.90278667
ENSG00000162669	1	HFM1	91726323	rs112886362	1	91673358	G	C	0.0745527	-0.0254883	0.013517	0.0593417	0.881955	0.150599	4.73E-09	-0.0288998	0.0161011	0.07266972	0.2758365	11	0.56369965
ENSG00000097046	1	CDC7	91966408	rs11164912	1	92005191	T	A	0.491054	-0.0001449	0.00804546	0.985629	-0.322632	0.0562589	9.76E-09	0.00044917	0.0249371	0.9856293	0.2703971	4	0.99376313
ENSG00000273487	1	RP4-621B10.8	92654794	rs71650498	1	93006340	T	C	0.0407555	-0.0553524	0.0226764	0.0146477	0.879311	0.158827	3.09E-08	-0.0629497	0.0281842	0.02551527	0.03591049	11	0.42123496
ENSG00000223745	1	RP4-717I23.3	93727743	rs10874774	1	93799002	T	C	0.805169	-0.0013983	0.0109173	0.898083	0.898238	0.0677003	3.56E-40	-0.0015568	0.0121547	0.8980873	0.06395526	16	0.97758476
ENSG00000230439	1	RP11-488P3.1	94218480	rs1980083	1	94207992	A	G	0.37674	0.0057744	0.00850483	0.497166	0.72531	0.12225	2.97E-09	0.00796129	0.0118023	0.4999599	0.1811177	9	0.86624602
ENSG00000143036	1	SLC44A3	95285898	rs4847361	1	95302656	T	C	0.892644	0.0158103	0.0126938	0.212942	0.516751	0.0742056	3.31E-12	0.0305956	0.0249544	0.2201771	0.3927976	3	0.72895982
ENSG00000122481	1	RWDD3	95699711	rs4949946	1	95716754	G	A	0.723658	0.008818	0.00943648	0.350068	-0.535557	0.064012	5.93E-17	-0.0164651	0.0177295	0.3530529	0.07896548	20	0.80906288
ENSG00000198890	1	PRMT6	107599267	rs1762486	1	107627697	A	G	0.683897	0.00556094	0.00903743	0.53834	0.547669	0.0708135	1.04E-14	0.0101538	0.0165538	0.5396219	0.06213287	10	0.88454878
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-0.415752	0.0689468	1.64E-09	-0.0228586	0.0230057	0.3204148	0.7352905	4	0.78627807
ENSG00000181754	1	AMIGO1	110046797	rs2570972	1	110052139	G	A	0.484095	-0.0009225	0.00808647	0.909171	0.170651	0.0252555	1.41E-11	-0.005406	0.0473928	0.9091837	0.5815	9	0.97758476
ENSG00000134201	1	GSTM5	110254864	rs11101989	1	110253741	C	A	0.336978	0.00543156	0.00829599	0.512647	-0.82269	0.0929241	8.49E-19	-0.0066022	0.0101115	0.5137961	0.5078721	20	0.87396207
ENSG00000134202	1	GSTM3	110276554	rs11101992	1	110266754	C	A	0.23161	-0.013022	0.00967612	0.17837	0.81495	0.0771126	4.18E-26	-0.0159789	0.0119691	0.1818741	0.1225138	16	0.68807378
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.595335	0.0570931	1.86E-25	0.00784402	0.0145325	0.5893646	0.457831	20	0.90082611
ENSG00000260948	1	RP11-552M11.8	111973668	rs3754038	1	111972809	A	G	0.286282	-0.0134274	0.0086981	0.122656	-0.653785	0.0990589	4.11E-11	0.0205379	0.0136633	0.1328012	0.0164139	9	0.64900038
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	0.614126	0.0777804	2.89E-15	-0.0002872	0.015932	0.9856174	0.4385718	9	0.99376313
ENSG00000116874	1	WARS2	119573839	rs2645303	1	119555146	T	G	0.450298	-0.0058514	0.00805711	0.46769	-0.700451	0.0771324	1.07E-19	0.00835377	0.0115395	0.4691084	0.2852313	8	0.8574394
ENSG00000231365	1	RP11-418J17.1	119683019	rs10923767	1	119732347	T	C	0.27833	-0.011797	0.00933834	0.206486	-0.864658	0.117233	1.64E-13	0.0136435	0.0109573	0.2130751	0.9756281	10	0.72409396
ENSG00000223345	1	HIST2H2BA	120906028	rs7536214	1	121147880	T	A	0.60835	-0.0082809	0.0085488	0.332713	0.629292	0.091314	5.52E-12	-0.0131591	0.0137183	0.3374408	0.8004832	14	0.799618
ENSG00000223804	1	RP6-206I17.1	143647638	rs71259660	1	144581564	A	C	0.206759	-0.0042204	0.00987884	0.669223	-0.655818	0.104541	3.53E-10	0.00643529	0.0150983	0.6699425	0.2674636	8	0.91912703
ENSG00000237188	1	RP11-337C18.8	146644350	rs1890043	1	146714588	C	T	0.394632	0.00860387	0.00813702	0.290341	0.43946	0.0759726	7.27E-09	0.0195783	0.0188228	0.2982755	0.4548355	20	0.77811352
ENSG00000162836	1	ACP6	147101453	rs12145385	1	147129786	G	A	0.717694	-0.0040829	0.00915864	0.65574	0.826948	0.0817985	5.01E-24	-0.0049374	0.011086	0.656053	0.4435335	13	0.91912703
ENSG00000143437	1	ARNT	150782181	rs12402006	1	150869829	A	G	0.513917	0.00575685	0.00811707	0.478183	-0.337042	0.0468052	5.98E-13	-0.0170805	0.0241998	0.4803047	0.02975278	13	0.8574394
ENSG00000143376	1	SNX27	151584541	rs3204344	1	151669555	A	C	0.33002	0.0205096	0.00857879	0.0168147	0.424469	0.0550937	1.31E-14	0.0483183	0.0211613	0.02241092	0.2510208	15	0.40127139
ENSG00000237975	1	FLG-AS1	152140601	rs61815526	1	152238688	A	G	0.133201	-0.0067935	0.0119593	0.570003	-1.10716	0.112554	7.82E-23	0.00613592	0.0108198	0.5706444	0.2619543	18	0.90007051
ENSG00000143631	1	FLG	152274651	rs61815526	1	152238688	A	G	0.133201	-0.0067935	0.0119593	0.570003	-0.699078	0.114251	9.43E-10	0.00971773	0.0171808	0.5716553	0.6656492	4	0.90007051
ENSG00000189171	1	S100A13	153591263	rs999418	1	153600124	C	T	0.502982	0.0111418	0.00810675	0.169321	0.47784	0.0498527	9.24E-22	0.023317	0.0171389	0.173681	0.5941504	19	0.68251983
ENSG00000143552	1	NUP210L	153965161	rs41305088	1	154178724	A	C	0.0357853	0.0217932	0.0161283	0.176617	1.86325	0.215553	5.43E-18	0.0116963	0.00876112	0.1818676	0.7309264	15	0.68807378
ENSG00000163382	1	APOA1BP	156561554	rs35792841	1	156584249	T	C	0.244533	0.0224824	0.00962949	0.0195569	-0.616316	0.0821893	6.44E-14	-0.0364787	0.0163641	0.02580097	0.5970411	9	0.42123496
ENSG00000179639	1	FCER1A	159259504	rs863016	1	159203933	G	A	0.306163	-0.0035834	0.00876747	0.682747	0.671752	0.11965	1.97E-08	-0.0053344	0.0130862	0.6835396	0.4203479	3	0.92024574
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.94654	0.0685036	2.00E-43	0.01372	0.00884757	0.1209724	0.4189021	11	0.63684501
ENSG00000177807	1	KCNJ10	160007257	rs11265320	1	160069912	T	C	0.469185	-0.0017208	0.0081097	0.831963	0.220022	0.0399168	3.55E-08	-0.0078208	0.0368859	0.8320859	0.344371	6	0.96244121
ENSG00000122218	1	COPA	160259063	rs6669995	1	160297924	T	C	0.511928	0.00036243	0.00806663	0.964163	0.272893	0.040833	2.34E-11	0.00132811	0.0295603	0.964164	0.3904613	14	0.98990046
ENSG00000215845	1	TSTD1	161007421	rs10908821	1	161008535	G	C	0.130219	-0.0026172	0.0115838	0.821251	0.688884	0.0828533	9.21E-17	-0.0037992	0.0168215	0.8213159	0.3374761	20	0.9594337
ENSG00000158887	1	MPZ	161274525	rs7554208	1	161278720	G	C	0.178926	0.0171089	0.0137247	0.212554	0.848269	0.126374	1.91E-11	0.0201692	0.0164563	0.2203413	0.406347	5	0.72895982
ENSG00000232995	1	RP11-267N12.3	163214295	rs952089	1	163288666	A	G	0.181909	-0.0026015	0.00936414	0.781158	-0.606576	0.102017	2.75E-09	0.00428876	0.0154545	0.78139	0.731921	6	0.94496452
ENSG00000225171	1	DUTP6	166837985	rs6675750	1	166827224	A	G	0.417495	0.00012425	0.00821184	0.987928	0.568446	0.0984564	7.76E-09	0.00021859	0.0144462	0.9879276	0.7764239	8	0.99474084
ENSG00000143194	1	MAEL	166958346	rs7551881	1	166955312	T	G	0.32505	-0.0066086	0.00853796	0.438916	-0.583005	0.0652025	3.84E-19	0.0113354	0.0146995	0.4406236	0.3230835	18	0.85440418
ENSG00000188404	1	SELL	169659808	rs112042073	1	169630088	G	A	0.234592	0.0165705	0.0101064	0.101085	-0.430536	0.0669623	1.28E-10	-0.0384881	0.0242252	0.1121148	0.5556214	10	0.62987719
ENSG00000171806	1	METTL18	169761670	rs9645329	1	169804720	A	T	0.0964215	-0.0211875	0.0159972	0.185354	-0.813117	0.119104	8.67E-12	0.0260571	0.0200407	0.1935295	0.7219797	9	0.70028009
ENSG00000271811	1	RP1-79C4.4	170636522	rs619456	1	170585832	C	A	0.589463	-0.0091557	0.00815973	0.261837	-0.633079	0.100239	2.69E-10	0.0144622	0.0130908	0.2692638	0.859631	9	0.75505733
ENSG00000120332	1	TNN	175036994	rs6703193	1	175045216	T	A	0.219682	0.00529678	0.00982585	0.589841	-0.605356	0.110251	4.00E-08	-0.0087499	0.0163096	0.5916224	0.210167	3	0.90082611
ENSG00000143322	1	ABL2	179068462	rs2816213	1	179183766	C	T	0.38668	0.00121613	0.00848479	0.886029	0.411882	0.0628051	5.45E-11	0.00295262	0.020605	0.8860561	0.5670384	19	0.97758476
ENSG00000162782	1	TDRD5	179560748	rs1999068	1	179560718	C	T	0.306163	-0.0034053	0.00960829	0.723033	0.449835	0.0554408	4.91E-16	-0.00757	0.02138	0.7232857	0.00189399	20	0.92829712
ENSG00000058085	1	LAMC2	183155373	rs648341	1	183170353	C	T	0.355865	0.00590618	0.00817318	0.469907	0.515235	0.0869343	3.09E-09	0.0114631	0.0159805	0.4731784	0.1352521	8	0.8574394
ENSG00000198756	1	COLGALT2	183898796	rs7539021	1	183935831	G	A	0.604374	0.00067192	0.00818955	0.934611	0.364857	0.0479566	2.78E-14	0.00184159	0.0224472	0.9346143	0.8552803	5	0.98788494
ENSG00000118197	1	DDX59	200593024	rs12061556	1	200650239	C	G	0.425447	0.0215943	0.00805502	0.00734345	-0.402325	0.0713134	1.68E-08	-0.0536738	0.0221667	0.01546196	0.6157803	3	0.35786984
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.977921	0.0817248	5.35E-33	0.0197883	0.00841214	0.01865511	0.2126967	20	0.38719027
ENSG00000198892	1	SHISA4	201857808	rs7539696	1	201858887	T	C	0.204771	-0.014448	0.00949753	0.1282	-0.420921	0.0712035	3.39E-09	0.0343247	0.0232988	0.1406864	0.7749194	6	0.6493459
ENSG00000214796	1	RP11-480I12.5	202820956	rs10800873	1	202835018	A	C	0.387674	0.00979744	0.00818876	0.231521	-0.452492	0.079106	1.06E-08	-0.0216522	0.0184887	0.2415563	0.0437255	4	0.74413587
ENSG00000133065	1	SLC41A1	205758221	rs823094	1	205689807	G	T	0.409543	0.0193538	0.00810165	0.0169001	0.25613	0.0422965	1.40E-09	0.0755624	0.0340033	0.02626924	0.3671806	9	0.42123496
ENSG00000162877	1	PM20D1	205797150	rs9438393	1	205782718	G	A	0.394632	0.0119225	0.00809409	0.140753	-0.817543	0.109288	7.40E-14	-0.0145833	0.0100906	0.1483913	0.3473574	16	0.65648756
ENSG00000117335	1	CD46	207925402	rs4844392	1	207991209	G	C	0.204771	0.00705923	0.00972707	0.468004	-0.398847	0.0455437	2.00E-18	-0.0176991	0.0244716	0.4695256	0.3654369	18	0.8574394

ENSG00000143469	1	SYT14	210111538	rs61820640	1	210041297	T	G	0.22167	0.00529455	0.00975466	0.587286	-0.692037	0.0855279	5.90E-16	-0.0076507	0.0141273	0.5881256	0.3402701	11	0.90082611
ENSG00000153363	1	LINC00467	211556145	rs111565898	1	212105860	G	A	0.0149105	-0.0448558	0.0557173	0.420786	-0.806565	0.123675	6.95E-11	0.0556134	0.0696041	0.4242929	0.2169086	12	0.84672686
ENSG00000065600	1	TMEM206	212537273	rs351408	1	212441128	A	G	0.366799	0.00892987	0.00911349	0.327159	-0.278285	0.0361266	1.33E-14	-0.0320889	0.0330127	0.3310409	0.500087	20	0.79445679
ENSG00000228067	1	RP11-61J19.3	212719036	rs7519767	1	212641371	C	T	0.290258	0.00591155	0.0106637	0.579333	0.62413	0.106462	4.56E-09	0.00947166	0.0171619	0.5810169	0.06200287	4	0.90007051
ENSG00000198468	1	FLVCR1-AS1	213025450	rs11120060	1	213062180	A	G	0.563618	0.00589961	0.00824684	0.474375	1.12906	0.0951526	1.78E-32	0.00522524	0.00731743	0.4751767	0.3319467	20	0.8574394
ENSG00000162769	1	FLVCR1	213031597	rs6680409	1	213095954	A	G	0.204771	0.00358545	0.0109998	0.744458	0.641908	0.0928636	4.77E-12	0.00558561	0.0171551	0.7447315	0.7120492	9	0.93221202
ENSG00000230461	1	PROX1-AS1	213991094	rs7529073	1	214147889	C	T	0.486083	0.0121704	0.00808971	0.132471	-0.244621	0.0447006	4.44E-08	-0.0497521	0.0342973	0.1468878	0.1604401	19	0.65648756
ENSG00000067533	1	RRP15	218458629	rs10863387	1	218471383	C	T	0.404573	0.0152508	0.0080681	0.0587232	0.621983	0.0799658	7.36E-15	0.0245196	0.0133491	0.06623994	0.1388464	7	0.55697839
ENSG00000272823	1	RP11-295M18.6	221002018	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.383003	0.0593662	1.11E-10	-0.0144407	0.0223943	0.5190325	0.1487538	9	0.87396207
ENSG00000238078	1	RP11-295M18.2	221002597	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.574211	0.0727673	3.00E-15	-0.0096321	0.0149124	0.5183388	0.1627221	11	0.87396207
ENSG00000272750	1	RP11-378J18.8	222832209	rs1133220	1	222834803	C	T	0.737575	0.00500259	0.00924823	0.58856	-0.869536	0.0923042	4.50E-21	-0.0057532	0.0106533	0.5891732	0.3376233	20	0.90082611
ENSG00000143502	1	SUSD4	223394161	rs825131	1	223518146	C	T	0.464215	0.00629743	0.00805452	0.434302	-0.126471	0.0195673	1.02E-10	-0.0497935	0.064151	0.4376356	0.6669401	5	0.85440418
ENSG00000272645	1	RP11-504P24.8	224139096	rs9699672	1	224119289	A	G	0.413519	-0.0114515	0.00817586	0.161318	-0.327631	0.0467306	2.37E-12	0.0349524	0.0254476	0.1695948	0.06805105	9	0.67654707
ENSG00000163041	1	H3F3A	226249552	rs4271181	1	226266029	G	A	0.71173	-0.0071665	0.00898827	0.425265	-0.671312	0.063104	1.98E-26	0.0106754	0.0134267	0.4265616	0.1303786	20	0.84792909
ENSG00000135773	1	CAPN9	230883130	rs28359573	1	230882108	A	G	0.429423	0.00250988	0.00810689	0.756866	-0.422316	0.0601799	2.26E-12	-0.0059431	0.0192149	0.7570952	0.9289693	16	0.93868577
ENSG00000182118	1	FAM89A	231154704	rs10864655	1	231172810	G	A	0.333996	-0.0027083	0.00885711	0.759779	0.45173	0.0747971	1.55E-09	-0.0059953	0.0196322	0.7600758	0.02037016	5	0.93911056
ENSG00000135766	1	EGLN1	231499497	rs1416912	1	231553504	G	A	0.131213	-0.0152327	0.021453	0.477673	-0.365588	0.066934	4.71E-08	0.0416663	0.0591746	0.481355	0.7192168	6	0.8574394
ENSG00000135778	1	NTPCR	233086351	rs12744791	1	233089728	T	C	0.16004	0.0029736	0.0107728	0.782526	0.916691	0.0861886	2.03E-26	0.00324384	0.0117558	0.7825975	0.5763788	8	0.94503198
ENSG00000168275	1	COA6	234509202	rs10910420	1	234509259	C	G	0.49503	8.97E-05	0.00812127	0.991186	0.303029	0.0444203	8.99E-12	0.00029607	0.0268003	0.9911857	0.7009879	14	0.99540461
ENSG00000224939	1	LINC00184	234765057	rs6696170	1	234772346	T	C	0.205765	-0.0173101	0.0105865	0.102027	0.614465	0.0989835	5.37E-10	-0.028171	0.0178164	0.1138368	0.03681246	11	0.63136646
ENSG00000086619	1	ERO1LB	236378855	rs1527282	1	236419816	C	T	0.247515	-0.0137767	0.008492	0.104737	0.577954	0.0780749	1.34E-13	-0.023837	0.0150419	0.1130333	0.4704732	15	0.63136646
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	0.904683	0.0847032	1.25E-26	0.00719507	0.00916907	0.4326227	0.6710708	20	0.85204781
ENSG00000224525	1	RP11-561I11.3	242366857	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	0.88806	0.0886579	1.29E-23	0.00732975	0.00934415	0.4327927	0.6378572	20	0.85204781
ENSG00000272195	1	RP11-156E8.1	245132652	rs2291426	1	245134114	C	A	0.582505	0.0265544	0.0086617	0.0021714	0.882878	0.0731593	1.56E-33	0.0300771	0.0101224	0.00296498	0.1232338	20	0.19865393
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.651429	0.0587701	1.49E-28	-0.0175098	0.0125411	0.1626551	0.00454255	20	0.67262324
ENSG00000260855	1	RP11-439E19.10	246935603	rs3795465	1	246939856	A	G	0.408549	0.0123795	0.00859621	0.149836	0.467608	0.0840561	2.65E-08	0.0264741	0.0189894	0.1632709	0.7069355	7	0.67262324
ENSG00000221953	1	C1orf229	247273462	rs10924921	1	247273848	T	C	0.301193	0.00333954	0.00895977	0.709352	-0.679162	0.0903683	5.67E-14	-0.0049172	0.0132086	0.7096929	0.600536	20	0.92728645
ENSG00000196418	1	ZNF124	247285277	rs12130663	1	247288954	G	C	0.276342	0.00966195	0.00936249	0.302079	-0.882387	0.0953004	2.06E-20	-0.0109498	0.0106761	0.3050641	0.9012114	20	0.77854243
ENSG00000259865	1	RP11-488L18.10	247350583	rs6678604	1	247354581	C	A	0.452286	0.00459684	0.00829185	0.579318	0.307138	0.0520158	3.53E-09	0.0149667	0.0271159	0.5809805	0.4081396	9	0.90007051
ENSG00000162714	1	ZNF496	247460714	rs10924989	1	247500650	A	G	0.331014	-0.008981	0.00827055	0.277524	0.452288	0.0626601	5.27E-13	-0.0198568	0.0184918	0.2829055	0.4963482	11	0.76113306
ENSG00000226191	1	RP11-438H8.8	248099363	rs4925787	1	248112627	C	T	0.610338	0.006281	0.00855061	0.462603	-0.708885	0.0993927	9.88E-13	-0.0088604	0.0121259	0.4649611	0.408144	11	0.8574394
ENSG00000196071	1	OR2L13	248100493	rs4925787	1	248112627	C	T	0.610338	0.006281	0.00855061	0.462603	-0.727205	0.0953848	2.46E-14	-0.0086372	0.0118126	0.4646684	0.3265633	13	0.8574394
ENSG00000203663	1	OR2L2	248201474	rs4925787	1	248112627	C	T	0.610338	0.006281	0.00855061	0.462603	-0.534397	0.0880632	1.29E-09	-0.0117534	0.0161173	0.4658523	0.4121075	10	0.8574394
ENSG00000171853	2	TRAPPC12	3383446	rs10180455	2	3385026	T	C	0.429423	0.00449577	0.00805925	0.576954	-0.282348	0.0508918	2.89E-08	-0.0159228	0.0286876	0.5788665	0.9792172	3	0.90007051
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs12619851	2	3492747	C	T	0.415507	-0.0072761	0.00824404	0.377456	-0.496851	0.0799879	5.25E-10	0.0146445	0.0167592	0.3822178	0.9946551	20	0.81183661
ENSG00000234171	2	AC108488.3	3606082	rs12629	2	3609064	A	G	0.295229	0.0086602	0.00838912	0.301926	-1.14818	0.0783035	1.11E-48	-0.0075426	0.00732453	0.3031206	0.4170833	14	0.77854243
ENSG00000118004	2	COLEC11	3642426	rs13004733	2	3664469	G	A	0.673956	-0.0099245	0.00904065	0.27231	-0.837717	0.103331	5.18E-16	0.011847	0.0108905	0.2766697	0.5641985	14	0.75867672
ENSG00000151360	2	ALLC	3705785	rs9808287	2	3624799	A	G	0.110338	-0.0119715	0.0130822	0.360141	1.09051	0.132761	2.14E-16	-0.0109779	0.0120706	0.3631011	0.5036286	8	0.80906288
ENSG00000260077	2	RP11-254F7.2	10179219	rs74416754	2	10198538	G	C	0.121272	-0.003771	0.0150155	0.801705	0.761378	0.125422	1.27E-09	-0.0049529	0.0197383	0.8018714	0.7086553	4	0.95011181
ENSG00000134324	2	LPIN1	11817721	rs3795974	2	11924950	C	T	0.596421	0.0121625	0.00833667	0.144589	0.51453	0.0619303	9.72E-17	0.0236381	0.0164504	0.1507378	0.1417458	11	0.65648756
ENSG00000151779	2	NBAS	15307032	rs1015836	2	15665719	A	G	0.688867	0.00766641	0.00814051	0.346315	-0.344873	0.0598998	8.54E-09	-0.0222297	0.0239181	0.3526771	0.5699903	8	0.80906288
ENSG00000178295	2	GEN1	17935125	rs2555076	2	17854891	C	T	0.457256	0.005671	0.00805859	0.481606	0.443245	0.0706004	3.42E-10	0.0127943	0.0182947	0.4843386	0.9502632	11	0.85760552
ENSG00000183891	2	TTC32	20096404	rs10495701	2	20197851	T	A	0.112326	-0.0328086	0.0151156	0.0299675	0.83827	0.0987144	2.03E-17	-0.0391385	0.0186116	0.0354739	0.7216861	11	0.45161515
ENSG00000118961	2	C2orf43	20883788	rs13385191	2	20888265	G	A	0.250497	0.00428946	0.00918223	0.640394	-0.781479	0.0829701	4.56E-21	-0.0054889	0.0117643	0.6408044	0.3635748	18	0.91912703
ENSG00000219626	2	FAM228B	24299396	rs12988269	2	24283483	T	G	0.139165	0.0327529	0.0101499	0.00125132	-0.697747	0.0958929	3.43E-13	-0.0469409	0.015913	0.00317931	0.1725918	8	0.20635702
ENSG00000232642	2	AC008073.7	24388753	rs6545340	2	24422269	G	C	0.315109	-0.0220477	0.00902358	0.0145519	0.709461	0.120536	3.96E-09	-0.0310767	0.0137713	0.02403106	0.05021725	20	0.4159376
ENSG00000157851	2	DPYSL5	27070615	rs1368886	2	27066070	T	A	0.54672	-0.0150285	0.00805441	0.0620583	-0.279416	0.0411776	1.16E-11	0.0537854	0.0298958	0.07200351	0.4747953	9	0.56349315
ENSG00000171103	2	TRMT61B	29072687	rs6547880	2	29018889	C	T	0.588469	0.0119971	0.00815417	0.141214	-0.511676	0.0652302	4.36E-15	-0.0234467	0.0162141	0.1481583	0.8029006	16	0.65648756
ENSG00000189350	2	FAM179A	29179477	rs4075266	2	29204055	G	T	0.322068	-0.0023914	0.00852655	0.779121	0.343523	0.0574239	2.20E-09	-0.0069614	0.0248482	0.7793576	0.5936759	6	0.94475423
ENSG00000018699	2	TTC27	32853099	rs111896629	2	32903548	A	G	0.120278	0.00637116	0.0138566	0.645666	-0.617654	0.106243	6.11E-09	-0.0103151	0.0225043	0.646693	0.08464256	5	0.91912703
ENSG00000230876	2	LINC00486	33050510	rs4444590	2	33152245	T	G	0.650099	-0.0008673	0.00829311	0.916708	0.495834	0.0844181	4.27E-09	-0.0017492	0.0167282	0.9167213	0.8764467	9	0.97843275
ENSG00000218739	2	AC007390.5	37423631	rs2251879	2	37485215	T	A	0.564612	-0.0038262	0.00811246	0.63718	-0.308921	0.0522565	3.39E-09	0.0123857	0.0263441	0.6382463	0.3924931	20	0.91912703
ENSG00000115825	2	PRKD3	37477645	rs2430494	2	37463620	T	G	0.675944	0.0019721	0.0086299	0.819242	-0.306858	0.047875	1.46E-10	-0.0064268	0.0281413	0.8193552	0.7263203	20	0.95874425
ENSG00000119787	2	ATL2	38522022	rs3755025	2	38521058	C	T	0.40159	-0.0228762	0.0081793	0.00516048	-0.346901	0.0550829	3.02E-10	0.0659445	0.0257987	0.01058485	0.2454046	19	0.30239181
ENSG00000143891	2	GALM	38893052	rs11689051	2	38896783	T	C	0.121272	-0.0237537	0.0137261	0.0835314	0.667692	0.0929756	6.90E-13	-0.0355758	0.021146	0.0924931	0.6161248	7	0.61376412
ENSG00000162881	2	OXER1	42989642	rs2011388	2	43016595	C	A	0.758449	0.006512	0.00905726	0.472152	0.472673	0.0846586	2.36E-08	0.013777	0.01932	0.4757882	0.8903022	5	0.8574394
ENSG00000162882	2	HAAO	42994229	rs13006059	2	43022720	G	A	0.640159	0.00065291	0.00838324	0.937921	0.43949	0.0664698	3.79E-11	0.00148561	0.0190763	0.9379256	0.6554508	20	0.98987372
ENSG00000138036	2	DYNC2LI1	44001178	rs77294251	2	43856986	C	G	0.0168986	0.0589811	0.0278142	0.033961	-1.2847	0.216954	3.19E-09	-0.0459104	0.0229967	0.04589148	0.8353588	17	0.49499979
ENSG00000138095	2	LRPPRC	44113647	rs7559561	2	44153682	C	T	0.406561	-0.0055183	0.00818289	0.500078	0.300954	0.0396987	3.43E-14	-0.0183359	0.0272972	0.5017663	0.6582504	20	0.86847384
ENSG00000250565	2	ATP6V1E2	46717889	rs3754553	2	46769135	C	T	0.477137	-0.0072811	0.00805789	0.366206	-0.611842	0.0874498	2.62E-12	0.0119004	0.0132793	0.3701669	0.2641829	3	0.81024032
ENSG00000119878	2	CRIPT	46843555	rs17767994	2	46860079	G	T	0.323062	0.00345444	0.00905037	0.70269	0.448545	0.066713	1.77E-11	0.00770143	0.0202097	0.7031462	0.9542137	10	0.92491112
ENSG00000180398	2	MCFD2	47129009	rs6716381	2	47148163	A	G	0.181909	-0.0184544	0.011842	0.119143	-0.380596	0.0442398	7.76E-18	0.0484882	0.0316207	0.1251699	0.7870879	18	0.64900038
ENSG00000119888	2	EPCAM	47572297	rs112628241	2	47591769	G	C	0.0775348	-0.0021025	0.0134413	0.875704	0.757487	0.133474	1.39E-08	-0.0027756	0.0177513	0.8757498	0.8615861	8	0.97751185
ENSG00000170802	2	FOXN2	48541776	rs79247094	2	48554955	A	G	0.12326	-0.0082845	0.0148788	0.577666	0.428693	0.0470152	7.64E-20	-0.019325	0.034772	0.5783733	0.4296381	20	0.90007051
ENSG00000162869	2	PPP1R21	48667737	rs76875602	2	48676822	C	G	0.149105	0.00021984	0.00994502	0.982364	0.613478	0.102081	1.86E-09	0.00035835	0.016211	0.9823641	0.03563641	14	0.99239797
ENSG00000243244	2	STON1	48756522	rs11125176	2	48780927	G	T	0.318091	0.0061618	0.00813506	0.448789	0.419588	0.0628306	2.42E-11	0.0146854	0.0195125	0.4516831	0.3208308	9	0.8574394
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.813095	0.0947526	9.39E-18	-0.0033901	0.0102805	0.7415821	0.1417346	10	0.93221202
ENSG00000233266	2	HMGB1P31	54278471	rs6721970	2	54347902	A	G	0.241551	-0.008966	0.00872077	0.303892	0.851815	0.112273	3.27E-14	-0.0105258	0.0103314	0.3082923	0.206624	20	0.77917725
ENSG00000115306	2	SPTBN1	54683422	rs4557016	2	54834839	A	G	0.362823	-0.0024651	0.0080835	0.760403	-0.31266	0.0503001	5.10E-10	0.00788419	0.0258851	0.7606826	0.6883621	10	0.93911056
ENSG00000237887	2	AC092839.1	54756480	rs4671951	2	54759791	C	T	0.745527	0.00093749	0.010371	0.927973	-0.557195	0.101167	3.64E-08	-0.0016825	0.0186154	0.9279827	0.791084	10	0.98538858
ENSG00000162994	2	CLHC1	55401927	rs6706815	2	55442390	G	A	0.21173	-0.0109263	0.0119717	0.361415	0.631558	0.0878101	6.37E-13	-0.0173005	0.0191078	0.3652447	0.2899749	20	0.80983626
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.691406	0.0544172	5.50E-37	-0.0061794	0.0117143	0.5978402	0.02306573	20	0.90240315
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.723598	0.0595754	6.03E-34	0.0115744	0.011501	0.31423	0.1581742	20	0.7816236
ENSG00000225889	2	AC074289.1	64370373	rs58136932	2	64459585	A	G	0.119284	0.0117723	0.0102784	0.252068	-0.521679	0.0914252	1.16E-08	-0.0225662	0.0200955	0.2614607	0.02911969	4	0.75505733
ENSG00000124380	2	SNRNP27	70120692	rs13392884	2	70036711	G	A	0.457256	-0.0004281	0.00806875	0.957685	-0.402279	0.060183	2.32E-11	0.00106422	0.0200582	0.9576868	0.1496764	20	0.98990046
ENSG00000257800	2	FNBP1P1	74347807	rs1667619	2	74347576	T	G	0.390656	0.00300735	0.00840516	0.720493	0.564879	0.0633191	4.61E-19	0.00532388	0.0148915	0.7207096	0.6917679	12	0.92829712
ENSG00000217702	2	MGC10955	74361599	rs12619982	2	74356022	A	G	0.181909	-0.0040329	0.0108064	0.709005	1.42643	0.115498	4.86E-35	-0.0028273	0.00757929	0.7091317	0.8494222	15	0.92728645
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.07827	0.0720947	1.42E-50	-0.0078689	0.0083567	0.3463859	0.3948381	20	0.80906288
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.902405	0.0865331	1.84E-25	-0.0094024	0.0100062	0.3473938	0.3342014	19	0.80906288
ENSG00000115364	2	MRPL19	75873909	rs34081022	2	75902380	T	C	0.242545	-0.002606	0.00871732	0.764983	-0.871383	0.0701361	1.93E-35	0.00299063	0.0100069	0.7650497	0.1277147	20	0.94033594
ENSG00000152292	2	SH2D6	85645844	rs6547617	2	85655402	A	T	0.554672	0.010847	0.00809998	0.180527	-0.550582	0.072253	2.53E-14	-0.019701	0.0149371	0.1871933	0.5399115	12	0.69552859
ENSG00000115486	2	GGCX	85771846	rs3755015	2	85764041	A	G	0.497018	-0.0045275	0.00809919	0.576157	0.392503	0.0600072	6.11E-11	-0.0115349	0.0207099	0.5775445	0.6981834	9	0.90007051
ENSG00000115523	2	GNLY	85912298	rs10187314	2	85928550	T	C	0.407555	0.00444994	0.00827112	0.590571	-0.573766	0.0899129	1.76E-10	-0.0077557	0.0144666	0.5918843	0.1014819	9	0.90082611
ENSG00000068654	2	POLR1A	86247339	rs3770069	2	86363074	G	A	0.83996	0.0146758	0.0110028	0.18226	0.521521	0.0792818	4.77E-11	0.0281404	0.0215269	0.1911375	0.4959637	10	0.69796387
ENSG00000273080	2	RP11-301O19.1	86422713	rs4569473	2	86377549	G	A	0.508946	0.0117803	0.00812701	0.147191	0.756202	0.102215	1.38E-13	0.0155782	0.0109515	0.1548876	0.02595747	20	0.66328012
ENSG00000183281	2	PLGLB1	87229682	rs181970253	2	87130278	G	C	0.0596421	0.051602	0.0202532	0.010839	-1.28126	0.184159	3.47E-12	-0.0402744	0.0168339	0.01673565	0.1208363	8	0.3720165
ENSG00000231259	2	AC125232.1	87257800	rs11901025	2	87278601	T	C	0.532803	0.00099593	0.00829796	0.904466	-0.800914	0.0940993	1.72E-17	-0.0012435	0.0103616	0.9044755	0.02831095	20	0.97758476
ENSG00000163586	2	FABP1	88422510	rs2970901	2	88428834	T	G	0.474155	0.0110355	0.00834403	0.185981	-0.853808	0.0958755	5.32E-19	-0.012925	0.00987991	0.1908007	0.4444718	7	0.69796387
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.22895	0.100884	3.88E-34	0.00314033	0.00706401	0.6566423	0.9033313	19	0.91912703
ENSG00000223564	2	CYP4F32P	95425004	rs7588397	2	95505064	A	G	0.34493	-0.0238051	0.00882586	0.00699246	0.591941	0.0864306	7.45E-12	-0.0402153	0.0160246	0.01208695	0.6249615	16	0.32544673
ENSG00000144026	2	ZNF514	95813075	rs3112989	2	95745120	A	G	0.577535	0.014932	0.00838392	0.0749083	0.474242	0.0868612	4.77E-08	0.031486	0.0185954	0.09041442	0.5397924	9	0.60971023
ENSG00000155066	2	PROM2	95940201	rs3755526	2	95961417	G	T	0.230616	-0.021583	0.00953399	0.0235863	-0.385202	0.0622605	6.13E-10	0.0560303	0.0263554	0.03350738	0.2561362	17	0.44649522
ENSG00000115041	2	KCNIP3	95963052	rs9989786	2	95967746	G	A	0.76839	0.0309945	0.0097255	0.00143794	-0.261011	0.0478369	4.86E-08	-0.118748	0.0431512	0.00592502	0.1617719	12	0.2655399
ENSG00000230606	2	AC159540.1	98081083	rs142381626	2	98224373	C	T	0.759443	0.00644507	0.00994638	0.516997	-0.496712	0.0762862	7.46E-11	-0.0129755	0.0201234	0.5190592	0.6210859	18	0.87396207
ENSG00000183513	2	COA5	99215773	rs72823796	2	99227812	T	C	0.271372	0.0178013	0.00984163	0.0704855	0.294994	0.0529017	2.46E-08	0.0603446	0.0350734	0.08533698	0.1880473	4	0.59822674
ENSG00000163162	2	RNF149	101887681	rs11123868	2	101925026	C	T	0.39165	-0.0098035	0.00884543	0.267728	-0.345392	0.0633327	4.94E-08	0.0283836	0.0261333	0.2774313	0.5474347	4	0.75867672
ENSG00000212283	2	SNORD89	101889398	rs3828194	2	101911385	G	A	0.437376	0.00326945	0.00806704	0.685267	0.784445	0.10209	1.54E-14	0.00416785	0.010298	0.6856816	0.5251437	10	0.92061694
ENSG00000115602	2	IL1RL1	102927962	rs953934	2	102932293	T	C	0.497018	0.0123261	0.00803009	0.124787	-0.524444	0.0707393	1.23E-13	-0.0235032	0.0156364	0.1328108	0.2531715	6	0.64900038
ENSG00000115604	2	IL18R1	102927989	rs2110660	2	102918601	G	C	0.494036	0.0127759	0.00803259	0.111721	-0.693392	0.0656872	4.77E-26	-0.0184252	0.0117152	0.1157754	0.6341169	20	0.63572632
ENSG00000234177	2	AC068057.2	105363096	rs881912	2	105377718	T	C	0.494036	-0.0073785	0.00806038	0.359979	0.462315	0.0562459	2.04E-16	-0.0159599	0.0175426	0.3629385	0.471373	9	0.80906288
ENSG00000135972	2	MRPS9	105654441	rs56067963	2	105704073	A	G	0.224652	0.00823717	0.0107396	0.443087	-0.375315	0.0685134	4.30E-08	-0.0219474	0.028894	0.447505	0.3566369	3	0.85482403
ENSG00000119147	2	C2orf40	106679702	rs66989638	2	106689736	A	G	0.125249	0.0128267	0.010364	0.215856	-0.685261	0.124221	3.46E-08	-0.018718	0.0155001	0.2272001	0.1432206	4	0.73618504
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.10835	0.132747	6.87E-17	0.0012977	0.00890749	0.8841686	0.1696253	9	0.97758476
ENSG00000186522	2	10-Sep	110300559	rs2043462	2	110364811	T	C	0.404573	-0.0003759	0.00828329	0.963803	-0.234851	0.0339806	4.80E-12	0.00160064	0.0352712	0.9638036	0.06367347	18	0.98990046
ENSG00000153208	2	MERTK	112656056	rs72825650	2	112763148	A	G	0.0328032	-0.0237541	0.0309104	0.442201	0.846186	0.154463	4.30E-08	-0.028072	0.0368867	0.4466385	0.787292	3	0.85482403
ENSG00000169629	2	RGPD8	113127669	rs55979927	2	113115598	A	G	0.168986	0.00497812	0.0109189	0.648449	-0.90669	0.108242	5.45E-17	-0.0054904	0.0120604	0.6489338	0.8895187	20	0.91912703
ENSG00000125630	2	POLR1B	113299492	rs13412193	2	113301727	A	G	0.083499	-0.0003419	0.0146118	0.981331	1.05968	0.123351	8.64E-18	-0.0003227	0.0137889	0.9813306	0.7986943	10	0.9923529
ENSG00000237753	2	AC079922.3	113399409	rs885346	2	113415550	T	G	0.83002	-0.0137894	0.0119131	0.247068	-0.98659	0.0933423	4.12E-26	0.0139768	0.0121472	0.2498887	0.8774213	20	0.74596735
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.952276	0.110247	5.74E-18	0.00924896	0.00865144	0.2850399	0.3888339	20	0.76194063
ENSG00000125618	2	PAX8	113973574	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.919108	0.106266	5.19E-18	0.00958273	0.00896346	0.2850301	0.3590285	20	0.76194063
ENSG00000136682	2	CBWD2	114195268	rs2441606	2	114235488	A	G	0.161034	-0.0090723	0.00978035	0.353611	-0.570309	0.0926361	7.44E-10	0.0159077	0.0173428	0.3590093	0.9870345	5	0.80906288
ENSG00000184492	2	FOXD4L1	114256661	rs2262085	2	114245760	A	T	0.16004	-0.0089368	0.0097745	0.36056	-0.601535	0.0978622	7.91E-10	0.0148567	0.016428	0.365811	0.8109619	6	0.81001007
ENSG00000225398	2	RP11-395L14.5	114299514	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.798551	0.0927398	7.26E-18	0.0151474	0.0113442	0.1817923	0.2947587	20	0.68807378
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.794034	0.0675285	6.39E-32	-0.0156314	0.011347	0.1683319	0.1798566	20	0.67654707
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	1.06739	0.0866041	6.65E-35	0.0113323	0.0084346	0.1790934	0.1813809	20	0.68807378
ENSG00000240356	2	RPL23AP7	114368079	rs144468477	2	114366384	T	A	0.345924	0.0147856	0.0091274	0.105251	0.822117	0.0870631	3.63E-21	0.0179848	0.0112645	0.110357	0.1425904	20	0.62987719
ENSG00000228857	2	AC104653.1	114588626	rs62171761	2	114595287	A	G	0.631213	0.0103211	0.00842129	0.22035	0.480875	0.0765353	3.32E-10	0.0214632	0.0178425	0.2290057	0.5470015	20	0.73712698
ENSG00000175497	2	DPP10	115199876	rs57006859	2	115219076	T	C	0.164016	0.0228328	0.0106612	0.0322203	-0.341285	0.0525071	8.04E-11	-0.0669024	0.0328905	0.04194183	0.2364423	3	0.48280358
ENSG00000163161	2	ERCC3	128014866	rs7556756	2	128010091	G	A	0.756461	0.00869614	0.0094506	0.357485	0.375187	0.0666922	1.85E-08	0.0231781	0.0255238	0.3638251	0.426781	5	0.80906288
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.40317	0.0918545	1.11E-52	-0.0078903	0.0064976	0.2246193	0.9729075	20	0.72895982
ENSG00000214100	2	AC079776.2	130680435	rs6760544	2	130694072	C	A	0.693837	-0.0082865	0.0082287	0.313924	0.483629	0.0560916	6.57E-18	-0.017134	0.0171301	0.3172021	0.0813141	12	0.78445129
ENSG00000225449	2	AC079776.7	130724165	rs10928946	2	130733087	A	G	0.691849	-0.0152997	0.00826767	0.0642347	0.710141	0.0563242	1.91E-36	-0.0215446	0.011767	0.06711113	0.4565161	20	0.55697839
ENSG00000222014	2	RAB6C	130737235	rs6709481	2	130730457	G	T	0.704771	-0.0153629	0.00828673	0.0637514	0.756523	0.0693848	1.11E-27	-0.0203072	0.0111109	0.067597	0.6538058	19	0.55697839
ENSG00000180178	2	AC018865.8	130748029	rs4381734	2	130761737	T	C	0.595427	-0.0145041	0.00809688	0.073242	-0.439798	0.0702214	3.78E-10	0.032979	0.0191487	0.08502249	0.9041751	16	0.59822674
ENSG00000236595	2	MED15P5	131009141	rs11674689	2	131013337	C	T	0.436382	-0.0165661	0.00809466	0.0407024	0.700768	0.0941823	1.00E-13	-0.0236399	0.0119801	0.04846542	0.43462	20	0.50839736
ENSG00000273073	2	RP11-109E12.1	132219394	rs73957449	2	132323506	C	G	0.110338	0.0123035	0.0155179	0.427859	1.01099	0.148967	1.15E-11	0.0121698	0.0154536	0.4309876	0.3261138	20	0.85064866
ENSG00000152117	2	AC093838.4	132250386	rs374293949	2	132260297	A	G	0.194831	-0.0095517	0.00918408	0.298327	-0.976018	0.0890236	5.72E-28	0.0097864	0.00945199	0.3004916	0.9993017	20	0.7782058
ENSG00000235615	2	AJ239322.1	132722304	rs62161111	2	132795612	A	G	0.369781	0.0140176	0.00874625	0.109001	0.761341	0.0977179	6.64E-15	0.0184117	0.0117285	0.1164549	0.8012657	9	0.63572632
ENSG00000236485	2	RP1-156L9.1	132741510	rs4125665	2	132790493	G	C	0.713718	0.0151666	0.00852791	0.0753269	0.737348	0.0982157	6.03E-14	0.0205691	0.0118857	0.08352843	0.9245005	7	0.59571663
ENSG00000227745	2	AC098826.5	132890429	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-0.967875	0.145246	2.67E-11	0.00879453	0.0212972	0.6796481	0.9998915	8	0.9199834
ENSG00000163046	2	ANKRD30BL	132905164	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.33917	0.124637	6.28E-27	0.00635618	0.0153742	0.67929	0.9996187	20	0.9199834
ENSG00000196151	2	WDSUB1	160092304	rs6746645	2	160114000	T	C	0.333996	0.0124341	0.00822491	0.130594	-0.652386	0.0760172	9.32E-18	-0.0190594	0.0128015	0.1365299	0.8550373	17	0.64900038
ENSG00000054219	2	LY75	160628362	rs72957586	2	160762687	A	G	0.537773	0.0071658	0.00829354	0.387576	0.3529	0.0521664	1.33E-11	0.0203055	0.023692	0.3914119	0.01515682	20	0.81377629
ENSG00000138399	2	FASTKD1	170386259	rs2353192	2	170430388	C	G	0.130219	0.0063914	0.0106457	0.548256	0.683134	0.101529	1.71E-11	0.009356	0.0156455	0.5498413	0.7529217	17	0.8889518
ENSG00000154479	2	CCDC173	170501935	rs79110568	2	170541884	T	A	0.134195	0.00469363	0.0111743	0.674457	-0.637797	0.106798	2.34E-09	-0.0073591	0.0175634	0.6752141	0.5336608	8	0.91998176
ENSG00000071967	2	CYBRD1	172378757	rs72884400	2	172415113	A	G	0.241551	0.0111515	0.0102699	0.277548	-0.322332	0.0548476	4.18E-09	-0.0345963	0.0324005	0.2856242	0.9675726	8	0.76204597
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs767072	2	173592148	A	G	0.696819	-0.0076858	0.00827968	0.353268	-0.345626	0.0571828	1.50E-09	0.0222372	0.0242365	0.3588746	0.1058371	8	0.80906288
ENSG00000115935	2	WIPF1	175424300	rs11675139	2	175440316	A	G	0.54672	0.0161976	0.00820556	0.0483849	-0.317055	0.0363704	2.85E-18	-0.0510877	0.0265358	0.05419975	0.680913	16	0.5349102
ENSG00000226363	2	AC009336.24	177042445	rs10834	2	177042087	G	A	0.346918	0.00180331	0.00824192	0.826808	-0.458019	0.0776372	3.65E-09	-0.0039372	0.0180071	0.826925	0.1358463	8	0.96197911
ENSG00000115252	2	PDE1A	183004763	rs1527878	2	183446535	A	G	0.763419	0.0149714	0.0112346	0.182661	-0.44729	0.0639004	2.56E-12	-0.0334713	0.0255682	0.1904995	0.9849223	14	0.69796387
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.17736	0.105331	5.24E-29	0.00980872	0.00702122	0.1624104	0.2610939	20	0.67262324
ENSG00000259915	2	RP11-410E4.1	187219299	rs6747289	2	187339000	G	T	0.698807	-0.0097262	0.00827792	0.240011	-0.627034	0.0895295	2.49E-12	0.0155114	0.0133862	0.2465525	0.7368141	20	0.74596735
ENSG00000115368	2	WDR75	190306159	rs79950063	2	190343049	A	T	0.0387674	0.00429396	0.0202065	0.831714	-1.01527	0.145804	3.32E-12	-0.0042294	0.0199119	0.8317911	0.657223	8	0.96244121
ENSG00000138381	2	ASNSD1	190526111	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	0.44734	0.0571238	4.84E-15	0.0453393	0.0204938	0.02694325	0.02719252	13	0.42123496
ENSG00000273240	2	RP11-455J20.3	190628585	rs7595020	2	190643676	A	G	0.728628	0.019303	0.00877344	0.0277952	0.534508	0.0838121	1.80E-10	0.0361136	0.0173634	0.03753742	0.06679024	10	0.45328617
ENSG00000128699	2	ORMDL1	190635049	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	-0.532982	0.0777515	7.13E-12	-0.038054	0.0174089	0.0288238	0.0994062	15	0.43069808
ENSG00000198130	2	HIBCH	191054461	rs291431	2	191199530	A	G	0.604374	-0.0098362	0.00831099	0.236606	0.553573	0.0645023	9.31E-18	-0.0177685	0.0151554	0.2410297	0.09894468	12	0.74413587
ENSG00000151689	2	INPP1	191208196	rs2067402	2	191224752	G	T	0.232604	-0.0060702	0.0113692	0.593399	0.402183	0.0593813	1.26E-11	-0.0150931	0.0283564	0.5945431	0.01821907	14	0.90082611
ENSG00000151690	2	MFSD6	191273081	rs16832765	2	191468762	C	T	0.146123	0.0117699	0.0140863	0.403403	0.334288	0.0558043	2.09E-09	0.0352089	0.0425462	0.4079282	0.0835219	16	0.8306538
ENSG00000226124	2	FTCDNL1	200625267	rs13008446	2	200628500	A	G	0.66004	0.00646253	0.00948012	0.495433	-0.720257	0.0885456	4.14E-16	-0.0089725	0.0132083	0.4969405	0.0965566	16	0.86624602
ENSG00000162971	2	TYW5	200794698	rs281791	2	200850402	A	G	0.643141	-0.0218033	0.00826765	0.00835969	0.459899	0.0814833	1.66E-08	-0.0474089	0.0198427	0.01688333	0.2123548	5	0.3720165
ENSG00000237166	2	AC007163.3	201577028	rs7608693	2	201603737	G	A	0.667992	-0.0004653	0.00833836	0.955495	0.277683	0.0494129	1.91E-08	-0.0016758	0.0300298	0.9554974	0.2789506	4	0.98990046

ENSG00000240344	2	PPIL3	201735630	rs7559150	2	201754063	C	T	0.263419	0.00811619	0.00936911	0.386341	-0.984025	0.0821081	4.28E-33	-0.008248	0.00954605	0.3875786	0.7299797	20	0.81246255
ENSG00000155749	2	ALS2CR12	202152994	rs10180658	2	202158550	T	C	0.614314	-0.0003366	0.00827175	0.967538	-0.347252	0.0621953	2.36E-08	0.0009694	0.0238212	0.9675393	0.1790648	8	0.99040487
ENSG00000023228	2	NDUFS1	206979541	rs7558619	2	206993437	A	T	0.477137	-0.0009631	0.00806414	0.904934	-0.2382	0.0352776	1.46E-11	0.00404326	0.0338598	0.9049491	0.6394403	9	0.97758476
ENSG00000188674	2	C2orf80	209030067	rs7562540	2	209033173	G	A	0.884692	-0.0076968	0.0126227	0.54202	-0.27717	0.0457364	1.36E-09	0.0277693	0.0457713	0.5440516	0.2699571	4	0.88627072
ENSG00000138363	2	ATIC	216176540	rs28366034	2	216176780	T	C	0.140159	0.009994	0.0116167	0.389615	0.605274	0.0821118	1.69E-13	0.0165115	0.0193227	0.3928208	0.848762	7	0.8151458
ENSG00000079246	2	XRCC5	216972187	rs207882	2	217006714	T	G	0.455268	-0.0091646	0.00821927	0.264844	-0.300107	0.0516673	6.31E-09	0.0305378	0.0278879	0.2735071	0.2997894	4	0.75867672
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	0.841407	0.0929525	1.40E-19	-0.0086629	0.0239694	0.7177874	0.9704965	10	0.92829712
ENSG00000261338	2	RP11-378A13.1	219120042	rs12999734	2	219121528	G	A	0.587475	-0.0025925	0.00858517	0.762669	0.587898	0.0520908	1.54E-29	-0.0044099	0.0146084	0.7627505	0.2880004	20	0.93963985
ENSG00000115649	2	CNPPD1	220036619	rs6715064	2	220041928	T	C	0.305169	0.0194745	0.00869915	0.0251773	-0.450485	0.0581449	9.36E-15	-0.0432301	0.0201006	0.0315011	0.02508323	7	0.43653569
ENSG00000182698	2	RESP18	220192131	rs6436142	2	220200459	G	T	0.276342	0.0101502	0.010797	0.347171	-0.616755	0.073659	5.61E-17	-0.0164574	0.0176161	0.350188	0.3917367	20	0.80906288
ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.669838	0.093455	7.64E-13	0.0105486	0.0132746	0.42682	0.8765238	7	0.84792909
ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-1.19151	0.176393	1.43E-11	-0.0007285	0.01434	0.9594849	0.910289	3	0.98990046
ENSG00000173699	2	SPATA3	231860836	rs2175149	2	231877207	C	T	0.342942	0.0112039	0.00824329	0.174096	-0.625427	0.0854989	2.57E-13	-0.017914	0.0134058	0.1814566	0.6392869	6	0.68807378
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-0.925567	0.120551	1.62E-14	-0.0138438	0.00998214	0.1654841	0.02315772	8	0.67262324
ENSG00000182600	2	C2orf82	233721980	rs2675957	2	233754364	T	C	0.629225	-0.0139833	0.00880243	0.112157	0.58205	0.0737436	2.95E-15	-0.0240242	0.0154264	0.119389	0.1173155	19	0.63684501
ENSG00000085982	2	USP40	234384166	rs62195091	2	234361802	T	G	0.150099	-0.0118187	0.0127283	0.353125	0.265354	0.0444392	2.36E-09	-0.0445394	0.0485437	0.3588754	0.8150208	3	0.80906288
ENSG00000184182	2	UBE2F	238875469	rs7422573	2	238923402	G	A	0.418489	-0.0044104	0.00810491	0.586327	-0.234185	0.0397513	3.83E-09	0.0188331	0.0347563	0.5879151	0.7302092	20	0.90082611
ENSG00000144485	2	HES6	239146908	rs7572285	2	239134056	G	A	0.399602	-0.0071925	0.00824396	0.382958	0.390619	0.07104	3.83E-08	-0.0184132	0.0213689	0.3888631	0.9474665	6	0.81246255
ENSG00000130414	2	NDUFA10	240831867	rs7588754	2	240963926	T	G	0.323062	-0.0134631	0.00914586	0.141008	-0.273246	0.0414353	4.27E-11	0.049271	0.0342949	0.1508077	0.4825379	6	0.65648756
ENSG00000122085	2	MTERFD2	242011584	rs55938551	2	242033593	A	G	0.0685885	-0.0095211	0.0193527	0.622736	-0.946835	0.139688	1.22E-11	0.0100557	0.0204931	0.6236496	0.4393151	4	0.91219734
ENSG00000146205	2	ANO7	242127924	rs111770284	2	242157087	T	C	0.168986	-0.0247231	0.011887	0.0375396	0.750777	0.108409	4.35E-12	-0.03293	0.0165315	0.04637629	0.8025285	17	0.49651317
ENSG00000115677	2	HDLBP	242166679	rs3755395	2	242294116	G	A	0.188867	0.0126096	0.00923866	0.172292	-0.455369	0.0662931	6.46E-12	-0.0276909	0.0206849	0.1806677	0.08085025	12	0.68807378
ENSG00000168385	2	2-Sep	242254515	rs35533015	2	242191689	A	G	0.102386	-0.0035638	0.0144103	0.80467	0.615112	0.0697395	1.14E-18	-0.0057937	0.0234363	0.8047447	0.0400981	18	0.95131175
ENSG00000180902	2	D2HGDH	242673994	rs6740752	2	242703183	G	A	0.512922	0.00709639	0.00810983	0.381555	-0.587694	0.0666464	1.16E-18	-0.012075	0.0138672	0.3838858	0.8824514	14	0.81183661
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.18087	0.0840638	8.00E-45	0.0148972	0.00784372	0.05753204	0.4932006	20	0.53911389
ENSG00000237940	2	AC093642.3	242912834	rs139036576	2	243064414	T	C	0.0129225	-0.0228462	0.0350496	0.514514	-1.34486	0.212295	2.38E-10	0.0169878	0.0261995	0.5167253	0.6617945	3	0.87396207
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	0.901884	0.0910043	3.75E-23	0.0162377	0.00989528	0.1008076	0.2164041	20	0.62987719
ENSG00000224318	3	CHL1-AS2	237441	rs76556748	3	238321	G	C	0.116302	0.0109572	0.0153396	0.475037	0.608928	0.110575	3.65E-08	0.0179942	0.0254022	0.4787132	0.3397825	9	0.8574394
ENSG00000144455	3	SUMF1	3742498	rs11915920	3	4410534	T	C	0.505964	0.00105435	0.00806786	0.896024	-0.647793	0.07623	1.93E-17	-0.0016276	0.0124559	0.8960366	0.6915792	13	0.97758476
ENSG00000227110	3	LMCD1-AS1	7994492	rs2047518	3	8537037	A	T	0.526839	0.00108344	0.00806896	0.893187	0.284163	0.0482186	3.79E-09	0.00381274	0.0284029	0.8932146	0.2003827	9	0.97758476
ENSG00000180914	3	OXTR	8792094	rs968389	3	8811163	G	A	0.468191	-7.81E-05	0.00813508	0.992343	0.511397	0.0826256	6.04E-10	-0.0001527	0.0159076	0.9923427	0.05800456	7	0.99569845
ENSG00000134077	3	THUMPD3	9404526	rs7638655	3	9425376	T	C	0.149105	-0.0138942	0.0120487	0.248843	-0.436383	0.0753098	6.85E-09	0.0318395	0.0281518	0.2580589	0.5296647	10	0.7517368
ENSG00000240288	3	GHRLOS	10327438	rs1063429	3	10320968	A	T	0.486083	-0.0074516	0.00808145	0.356495	-0.692849	0.11227	6.77E-10	0.010755	0.0117936	0.3618	0.9006887	7	0.80906288
ENSG00000144559	3	TAMM41	11831916	rs2173377	3	11845051	G	A	0.419483	-0.0075646	0.00808255	0.349317	-0.520343	0.075698	6.25E-12	0.0145377	0.0156764	0.3537409	0.582917	16	0.80906288
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.619956	0.0679136	6.94E-20	0.00789783	0.0132551	0.5512856	0.7195605	14	0.88899083
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	0.613526	0.0615437	2.08E-23	-0.0010376	0.0135825	0.9391082	0.00036021	20	0.98990046
ENSG00000170275	3	CRTAP	33155471	rs62250513	3	33156466	T	C	0.139165	0.0081632	0.0134592	0.544173	-0.41847	0.057447	3.23E-13	-0.0195073	0.0322742	0.5455624	0.9087071	19	0.88780189
ENSG00000093167	3	LRRFIP2	37094117	rs10849	3	37095070	T	C	0.499006	-0.0063244	0.00812006	0.436065	0.274727	0.0392877	2.70E-12	-0.0230205	0.0297396	0.4388896	0.9663901	18	0.85440418
ENSG00000136059	3	VILL	38029550	rs9872804	3	38033462	T	C	0.187873	0.00578061	0.011068	0.601474	-0.71003	0.076549	1.77E-20	-0.0081414	0.0156128	0.6020496	0.3301624	11	0.90240315
ENSG00000168028	3	RPSA	39448180	rs2723	3	39453610	T	C	0.499006	0.00194882	0.00812146	0.810362	0.252156	0.0457555	3.57E-08	0.00772863	0.0322386	0.8105379	0.828265	4	0.95273753
ENSG00000168036	3	CTNNB1	41236328	rs3864004	3	41240177	A	G	0.432406	-0.0112584	0.00808609	0.163827	0.369822	0.0587279	3.03E-10	-0.0304428	0.0223929	0.1739933	0.2150156	8	0.68251983
ENSG00000168038	3	ULK4	41288090	rs2371627	3	41839219	G	A	0.189861	0.00534326	0.0100185	0.593798	0.645829	0.0810609	1.62E-15	0.00827349	0.0155473	0.5946233	0.3878145	5	0.90082611
ENSG00000230084	3	RP4-613B23.1	42643455	rs68028490	3	42666488	G	A	0.140159	0.00314334	0.012704	0.804576	1.02219	0.109991	1.49E-20	0.0030751	0.0124326	0.8046439	0.6892197	14	0.95131175
ENSG00000010282	3	HHATL	42734155	rs62250113	3	42748850	A	C	0.267396	-0.0107427	0.00857597	0.21033	-0.342135	0.0608988	1.93E-08	0.031399	0.0256816	0.22147	0.5544735	4	0.72895982
ENSG00000181061	3	HIGD1A	42798669	rs73077238	3	42858666	C	T	0.214712	0.0276072	0.00915174	0.00255623	-0.301906	0.0437166	4.99E-12	-0.091443	0.033079	0.00570301	0.9591828	5	0.2655399
ENSG00000144792	3	ZNF660	44619715	rs4682986	3	44651120	A	G	0.900596	0.00165807	0.0142662	0.907476	-0.745944	0.108919	7.46E-12	-0.0022228	0.0191278	0.9074885	0.6355175	17	0.97758476
ENSG00000196653	3	ZNF502	44754135	rs10514710	3	44883971	A	G	0.2167	-0.0283951	0.0102367	0.00553949	0.469496	0.0796871	3.82E-09	-0.06048	0.0240992	0.01208592	0.2176546	4	0.32544673
ENSG00000011376	3	LARS2	45429998	rs3821895	3	45587983	G	A	0.333002	-0.0074022	0.0096328	0.442229	-0.616041	0.0690126	4.40E-19	0.0120157	0.0156945	0.4439117	0.2480363	20	0.85482403
ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.886066	0.0877203	5.47E-24	-0.0239102	0.0101088	0.01801631	0.5421942	13	0.37797854
ENSG00000164048	3	ZNF589	48282590	rs7644414	3	48299079	T	A	0.276342	-0.0294667	0.0102305	0.00397329	0.600756	0.0941424	1.76E-10	-0.0490494	0.0186837	0.00865847	0.8408009	7	0.2913901
ENSG00000232112	3	TMA7	48481667	rs2242150	3	48505964	C	A	0.536779	-0.0017694	0.00820941	0.829352	0.271637	0.0445317	1.06E-09	-0.0065138	0.0302408	0.8294565	0.2364202	10	0.96244121
ENSG00000213689	3	TREX1	48506445	rs11797	3	48508585	C	T	0.55666	-0.0041652	0.00825411	0.613827	0.431117	0.0678132	2.05E-10	-0.0096614	0.0192061	0.6149384	0.3051736	10	0.90879519
ENSG00000213672	3	NCKIPSD	48701364	rs6792510	3	48723302	C	G	0.647117	-0.0282879	0.00849467	0.00086822	0.385512	0.0422412	7.08E-20	-0.0733775	0.0234558	0.00175802	0.3390437	20	0.1592668
ENSG00000068745	3	IP6K2	48725436	rs72929172	3	48731961	G	A	0.0646123	0.034796	0.0167667	0.0379586	0.622824	0.113465	4.04E-08	0.0558681	0.0287802	0.05223435	0.1987293	4	0.53045405
ENSG00000178252	3	WDR6	49044495	rs3212	3	49145741	C	T	0.681909	-0.0320209	0.00873882	0.0002481	-0.285272	0.0461847	6.54E-10	0.112247	0.0356179	0.00162481	0.03543626	9	0.1592668
ENSG00000145020	3	AMT	49454211	rs62259944	3	49430883	A	G	0.23161	0.0170083	0.0100803	0.0915503	-0.424665	0.0563133	4.66E-14	-0.0400511	0.024324	0.09964654	0.05268275	20	0.62987719
ENSG00000173540	3	GMPPB	49754277	rs62262722	3	49769419	C	G	0.16004	0.0237903	0.0130644	0.0686072	0.827487	0.0886596	1.03E-20	0.0287501	0.0160857	0.07388883	0.00022865	20	0.56629926
ENSG00000004534	3	RBM6	49977440	rs3733133	3	50146094	A	T	0.478131	-0.0011299	0.00807143	0.88867	0.320348	0.0411451	6.93E-15	-0.0035271	0.0251999	0.8886887	0.01073438	20	0.97758476
ENSG00000232352	3	SEMA3B-AS1	50304073	rs11713251	3	49340007	T	A	0.0109344	0.122214	0.0513297	0.0172675	1.53333	0.227276	1.51E-11	0.079705	0.0354995	0.02475265	0.01384462	5	0.42123496
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.399679	0.0401989	2.72E-23	0.0303381	0.0206325	0.1414517	0.00506751	15	0.65013592
ENSG00000164088	3	PPM1M	52279841	rs114645176	3	52279951	G	T	0.104374	0.00745371	0.0166427	0.654249	0.391753	0.0692123	1.51E-08	0.0190266	0.0426154	0.6552569	0.2655618	6	0.91912703
ENSG00000168237	3	GLYCTK	52321105	rs9311474	3	52338852	C	T	0.518887	-0.0246451	0.00808375	0.00229816	-0.462573	0.0775609	2.46E-09	0.0532783	0.0196265	0.00663552	0.6263319	8	0.2655399
ENSG00000055955	3	ITIH4	52846991	rs7638524	3	52874861	A	G	0.265408	-0.038318	0.00915823	2.86E-05	0.685764	0.0913724	6.14E-14	-0.0558764	0.0152898	0.00025771	0.00861397	17	0.1592668
ENSG00000242142	3	SERBP1P3	53098299	rs2564921	3	53125585	C	T	0.597416	0.00348168	0.00815815	0.669544	0.960952	0.0828594	4.25E-31	0.00362316	0.0084954	0.6697548	8.32E-06	20	0.91912703
ENSG00000113812	3	ACTR8	53901093	rs9810845	3	53938370	T	A	0.410537	0.0157366	0.0082568	0.0566631	-0.539022	0.0823847	6.04E-11	-0.0291947	0.0159548	0.06727377	0.01253158	9	0.55697839
ENSG00000180376	3	CCDC66	56591189	rs6791987	3	56579538	T	C	0.410537	-0.0065528	0.00807779	0.417241	-0.43648	0.0575787	3.44E-14	0.0150129	0.0186123	0.4198903	0.2722108	20	0.84262044
ENSG00000168374	3	ARF4	57557090	rs4597680	3	57596105	C	T	0.801193	0.0215844	0.00960564	0.0246366	-0.273955	0.0439197	4.44E-10	-0.0787881	0.0372686	0.03450992	0.6242211	7	0.4479819
ENSG00000163634	3	THOC7	63819546	rs832190	3	63842629	T	C	0.60338	0.00819559	0.0083862	0.328435	0.249402	0.0358478	3.47E-12	0.032861	0.0339553	0.3331593	0.9810348	20	0.79445679
ENSG00000144741	3	SLC25A26	66119285	rs146159281	3	66287056	A	G	0.341948	-0.0119615	0.00811514	0.140489	-0.742738	0.0634128	1.10E-31	0.0161046	0.0110122	0.143621	0.6765463	20	0.65416846
ENSG00000144746	3	ARL6IP5	69134095	rs7039	3	69154343	G	C	0.510934	0.00875843	0.00808718	0.278808	-0.345384	0.0505189	8.10E-12	-0.0253585	0.023707	0.2847705	0.08436249	11	0.76194063
ENSG00000163412	3	EIF4E3	71724567	rs13067349	3	71761554	C	T	0.651093	0.00769928	0.00907327	0.396122	0.325954	0.0395481	1.69E-16	0.0236208	0.0279832	0.3986106	0.6060279	7	0.82021696
ENSG00000244026	3	FAM86DP	75470703	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.43633	0.153669	9.02E-21	0.0119586	0.0106902	0.2632893	0.650007	9	0.75505733
ENSG00000272690	3	RP11-803B1.8	75484499	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.37386	0.216048	2.03E-10	0.0125024	0.0112688	0.2672286	0.6288376	9	0.75505733
ENSG00000175161	3	CADM2	85008132	rs13078384	3	85264266	A	G	0.337972	-0.0141113	0.00871214	0.105291	0.312897	0.0507782	7.18E-10	-0.0450989	0.0287893	0.1172283	0.4545141	20	0.63572632
ENSG00000239519	3	CADM2-AS1	86041333	rs12488773	3	86048247	G	C	0.413519	0.00267355	0.00827355	0.746586	0.727554	0.104033	2.68E-12	0.00367471	0.0113839	0.7468468	0.4684792	16	0.93221202
ENSG00000241328	3	RP11-331K15.1	86531093	rs9835806	3	86590980	C	T	0.521869	-0.0121299	0.00806305	0.132482	0.320487	0.0545494	4.22E-09	-0.0378483	0.0259704	0.1450161	0.9147842	20	0.65648756
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.688344	0.083632	1.86E-16	0.00665426	0.0117822	0.5722286	0.7314212	10	0.90007051
ENSG00000244119	3	PDCL3P4	101431316	rs34457525	3	101435225	T	C	0.33499	-0.0074521	0.00838047	0.373884	0.44855	0.0536148	5.95E-17	-0.0166137	0.0187887	0.3765665	0.03947179	20	0.81183661
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.70249	0.101244	3.96E-12	-0.0117652	0.0116277	0.3116216	0.898332	10	0.78074555
ENSG00000243795	3	RP11-572M11.3	112861197	rs2613962	3	112829191	G	T	0.719682	0.00463242	0.00995699	0.641758	0.652093	0.107966	1.54E-09	0.00710393	0.0153145	0.6427417	0.7669085	4	0.91912703
ENSG00000163389	3	POGLUT1	119187785	rs116524207	3	119206620	T	C	0.0725646	-0.0310745	0.0161451	0.0542663	0.885951	0.128899	6.28E-12	-0.0350747	0.0189245	0.06382442	0.3007819	8	0.55361197
ENSG00000144843	3	ADPRH	119298115	rs13324934	3	119298630	T	G	0.0318091	-0.0198958	0.0215009	0.354786	-0.751593	0.106319	1.56E-12	0.0264715	0.0288511	0.3588702	0.6902072	5	0.80906288
ENSG00000173226	3	IQCB1	121488610	rs7642303	3	121484660	T	G	0.617296	-0.0041998	0.00852681	0.622336	0.53864	0.0772544	3.12E-12	-0.0077971	0.0158697	0.623202	0.9702292	13	0.91218503
ENSG00000241278	3	ENPP7P4	125567066	rs2735213	3	125495558	G	A	0.708748	0.0185842	0.00980615	0.0580711	-0.497538	0.0751078	3.49E-11	-0.0373523	0.0205001	0.06844619	0.3145713	5	0.55697839
ENSG00000171084	3	FAM86JP	125635463	rs13325495	3	125637416	G	T	0.167992	-0.0178737	0.0141986	0.20809	1.02971	0.119616	7.40E-18	-0.017358	0.0139356	0.2129156	0.2679166	20	0.72409396
ENSG00000189366	3	ALG1L	125648118	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.870278	0.0976018	4.81E-19	-0.0197905	0.0103747	0.05644753	0.4368725	20	0.53534941
ENSG00000241439	3	RP11-666A20.3	125677399	rs77622614	3	125677259	A	G	0.380716	0.0106086	0.00816133	0.193649	-0.667974	0.0905089	1.58E-13	-0.0158818	0.0124061	0.2004898	0.3278457	20	0.71163975
ENSG00000114547	3	ROPN1B	125687987	rs7633797	3	125653291	G	A	0.584493	0.00738058	0.00809668	0.362003	-0.417888	0.0751222	2.66E-08	-0.0176616	0.0196337	0.3683552	0.3252766	15	0.81024032
ENSG00000070476	3	ZXDC	126156444	rs1799397	3	126192933	A	T	0.673956	0.0105644	0.00841566	0.209359	0.37588	0.0491978	2.17E-14	0.0281058	0.0226894	0.2154502	0.02183057	20	0.72409396
ENSG00000175792	3	RUVBL1	127783621	rs13063604	3	127804730	A	G	0.239563	-0.0164954	0.00910745	0.07011	0.289568	0.0478924	1.48E-09	-0.0569655	0.0328327	0.08273652	0.675438	5	0.59461506
ENSG00000242551	3	POU5F1P6	128393578	rs4857918	3	128383960	C	T	0.66501	-0.0038635	0.00840672	0.645825	-0.677357	0.106429	1.96E-10	0.00570374	0.0124434	0.6466825	0.4000975	10	0.91912703
ENSG00000261159	3	RP11-723O4.9	128578559	rs1683811	3	128612113	C	A	0.187873	-0.0118674	0.0104692	0.256982	0.770184	0.105731	3.23E-13	-0.0154085	0.0137567	0.2626827	0.1829279	13	0.75505733
ENSG00000231305	3	RP11-723O4.2	128580156	rs789217	3	128593201	A	G	0.186879	-0.0118479	0.0104691	0.257761	0.630885	0.111063	1.34E-08	-0.0187798	0.0169204	0.2670467	0.8222764	4	0.75505733
ENSG00000177646	3	ACAD9	128598439	rs62265307	3	128662441	T	C	0.0178926	0.00919199	0.0203637	0.651708	1.96629	0.28074	2.49E-12	0.00467479	0.0103779	0.6523814	0.980914	12	0.91912703
ENSG00000270773	3	RP13-685P2.7	129064254	rs9852014	3	129084581	G	A	0.0745527	0.0105246	0.014864	0.478911	1.27943	0.160846	1.80E-15	0.00822601	0.0116636	0.4806415	0.9468815	11	0.8574394
ENSG00000163913	3	IFT122	129158968	rs12631122	3	129119518	G	A	0.168986	0.0202512	0.0152781	0.185003	-0.398844	0.0541912	1.84E-13	-0.0507747	0.0389222	0.192057	0.3872776	12	0.69796387
ENSG00000253540	3	FAM86HP	129817935	rs7616082	3	129820737	C	T	0.383698	-0.005894	0.0082162	0.473147	-0.483302	0.0751785	1.29E-10	0.0121953	0.0171057	0.4758817	0.05180534	10	0.8574394
ENSG00000249846	3	RP11-77P16.4	129831393	rs56088005	3	129821650	A	G	0.434394	-0.0104023	0.00826852	0.20837	0.550624	0.0938747	4.48E-09	-0.0188918	0.0153582	0.2186654	0.790532	4	0.72895982
ENSG00000228252	3	COL6A4P2	129931666	rs112987689	3	129824001	T	C	0.475149	-0.0122547	0.00809346	0.12999	-0.952149	0.0875326	1.47E-27	0.0128706	0.00858216	0.133695	0.219094	20	0.64900038
ENSG00000113971	3	NPHP3	132276986	rs66564593	3	132436967	G	A	0.21173	-0.001187	0.00997949	0.905317	-0.59007	0.0575594	1.17E-24	0.00201169	0.0169135	0.9053229	0.9860439	8	0.97758476
ENSG00000260633	3	RP11-375I20.6	134066130	rs3821705	3	134077001	A	G	0.606362	-0.0050081	0.00828544	0.545546	-0.577523	0.0853344	1.31E-11	0.00867172	0.0144036	0.5471396	0.405415	5	0.88780189
ENSG00000261758	3	RP11-102M11.2	136471472	rs527888	3	136031358	C	G	0.447316	-0.0192496	0.00809414	0.0173968	0.651916	0.0767822	2.06E-17	-0.0295277	0.0128938	0.0220171	0.8199247	20	0.40127139
ENSG00000273486	3	RP11-731C17.2	136556180	rs6800032	3	136622560	T	C	0.658052	0.00216693	0.00870031	0.803311	0.718438	0.0737741	2.07E-22	0.00301617	0.012114	0.8033746	0.04816171	20	0.95077438
ENSG00000175110	3	MRPS22	138724648	rs79654016	3	139093486	A	G	0.0795229	-0.0051684	0.0125585	0.680675	0.755428	0.105466	7.91E-13	-0.0068416	0.0166518	0.6811708	0.9104875	12	0.92024574
ENSG00000114744	3	COMMD2	149456257	rs10935774	3	149456926	G	A	0.468191	0.0149836	0.0081774	0.0669037	0.356702	0.0520229	7.05E-12	0.0420059	0.0237295	0.07669378	0.1009384	16	0.57744037
ENSG00000243321	3	snoU13	149795281	rs56198011	3	149797925	T	C	0.317097	0.0168637	0.00869025	0.0523142	-0.683173	0.0889723	1.61E-14	-0.0246844	0.0131204	0.05992023	0.2168037	3	0.54438791
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	0.832367	0.0705931	4.34E-32	-0.0161876	0.0132805	0.2228819	0.5526929	20	0.72895982
ENSG00000244515	3	KRT18P34	156880452	rs62276491	3	156924966	G	C	0.256461	-0.0166081	0.0105981	0.117094	-0.583969	0.100616	6.48E-09	0.02844	0.0187983	0.1303036	0.1012631	3	0.64900038
ENSG00000168827	3	GFM1	158362067	rs1864506	3	158362526	G	A	0.384692	0.014076	0.00874156	0.107347	-0.2952	0.0501122	3.84E-09	-0.0476829	0.0306987	0.1203622	0.140182	6	0.63684501
ENSG00000240207	3	RP11-379F4.4	158450052	rs61794821	3	158460936	G	A	0.220676	0.0197886	0.0103114	0.0549731	0.356076	0.0515784	5.07E-12	0.0555741	0.0300565	0.06445964	0.0270535	13	0.55391316
ENSG00000068885	3	IFT80	159974774	rs4679899	3	160301365	C	T	0.528827	-0.0017757	0.00834647	0.831524	0.273368	0.0486638	1.94E-08	-0.0064956	0.0305539	0.8316429	0.1286048	9	0.96244121
ENSG00000241767	3	RP11-71H9.1	164431883	rs13077696	3	164448733	T	A	0.301193	-0.0073217	0.00901743	0.416819	0.70875	0.0987424	7.09E-13	-0.0103305	0.0128041	0.4197781	0.3288236	13	0.84262044
ENSG00000171109	3	MFN1	179065480	rs73172210	3	179112665	T	A	0.232604	-0.0225624	0.0105906	0.0331375	-0.404454	0.0620823	7.28E-11	0.0557848	0.0275494	0.04287776	0.03104559	11	0.48665086
ENSG00000241231	3	RP11-275H4.1	181138846	rs9873013	3	181182392	A	C	0.692843	0.0254695	0.00869314	0.00339141	1.01503	0.0851622	9.45E-33	0.0250924	0.00881938	0.0044392	0.277655	20	0.24130836
ENSG00000240024	3	LINC00888	183165396	rs7652231	3	183165599	A	G	0.531809	-0.0073382	0.00829917	0.376581	0.270381	0.0494195	4.47E-08	-0.0271404	0.0310926	0.3827243	0.6157725	4	0.81183661
ENSG00000233885	3	YEATS2-AS1	183524245	rs2582078	3	183505651	T	C	0.469185	0.0039547	0.00840563	0.638011	0.671483	0.0599707	4.22E-29	0.0058895	0.0125291	0.6383068	0.7031853	20	0.91912703
ENSG00000114770	3	ABCC5	183637722	rs6806313	3	183642152	C	G	0.479125	0.0125142	0.00813773	0.124099	0.23909	0.0402223	2.78E-09	0.052341	0.0351568	0.1365438	0.416764	14	0.64900038
ENSG00000175166	3	PSMD2	184016497	rs34881379	3	184030387	C	T	0.472167	0.00932002	0.00813785	0.252098	-0.202549	0.0366999	3.41E-08	-0.0460137	0.0410331	0.2621267	0.5540489	5	0.75505733
ENSG00000156931	3	VPS8	184529931	rs6444035	3	184875596	T	C	0.0675944	0.00397686	0.0192877	0.836645	0.820316	0.0997882	2.03E-16	0.00484796	0.0235199	0.836696	0.6023629	20	0.9638478
ENSG00000236297	3	RP11-175P19.2	193296601	rs7652334	3	193420857	C	T	0.435388	0.0126427	0.00806756	0.117091	0.706251	0.100282	1.89E-12	0.0179011	0.0117025	0.1260933	0.056751	12	0.64900038
ENSG00000231770	3	TMEM44-AS1	194304740	rs56852992	3	194307659	T	C	0.115308	0.00844927	0.0135198	0.531999	0.625115	0.0959296	7.20E-11	0.0135163	0.0217269	0.5338756	0.1687123	5	0.88257879
ENSG00000145014	3	TMEM44	194308402	rs1055161	3	194310731	A	C	0.319085	-0.0029072	0.00835201	0.727773	0.358505	0.0643853	2.57E-08	-0.0081093	0.0233423	0.728283	0.4931392	4	0.92877396
ENSG00000041802	3	LSG1	194361517	rs3821403	3	194369580	A	C	0.163022	0.00854817	0.0109511	0.435053	0.998294	0.101625	8.94E-23	0.00856278	0.0110044	0.4364961	0.2348802	7	0.85440418
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.373691	0.0567157	4.43E-11	0.041164	0.0230966	0.07470756	0.4478611	7	0.57046913
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.827953	0.0988166	5.35E-17	0.0109774	0.00988212	0.2666373	0.3649606	18	0.75505733
ENSG00000229178	3	AC069513.4	195382436	rs6768928	3	195329888	G	A	0.328032	-0.0076577	0.00929046	0.409793	-0.663517	0.0921261	5.92E-13	0.0115411	0.0140932	0.4128372	0.794525	20	0.83492002
ENSG00000215837	3	SDHAP2	195384967	rs6768928	3	195329888	G	A	0.328032	-0.0076577	0.00929046	0.409793	-0.520269	0.0895107	6.16E-09	0.0147188	0.0180357	0.414448	0.7334748	15	0.83654859
ENSG00000176945	3	MUC20	195447753	rs6764777	3	195328121	G	A	0.838966	-0.003337	0.00985418	0.734883	-0.849211	0.129349	5.19E-11	0.00392953	0.0116194	0.7352212	0.9549531	14	0.93184086
ENSG00000185485	3	SDHAP1	195686619	rs9886966	3	195317047	A	G	0.479125	0.00683041	0.00810287	0.399249	0.408627	0.0731492	2.32E-08	0.0167155	0.020054	0.4045486	0.7538513	4	0.82539041
ENSG00000231464	3	AC024937.4	195723609	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.751938	0.111324	1.43E-11	0.0127097	0.0109284	0.244831	0.5411456	18	0.74596735
ENSG00000163959	3	SLC51A	195938358	rs60631199	3	195961254	T	C	0.204771	0.0203817	0.0100414	0.0423799	-0.555361	0.0899137	6.55E-10	-0.0366999	0.0190321	0.05381608	0.5066399	5	0.5349102
ENSG00000230732	3	AC127904.2	196639821	rs9784336	3	196606541	T	A	0.532803	-0.0005074	0.00838342	0.951736	-0.480264	0.0847632	1.46E-08	0.00105655	0.0174569	0.9517389	0.69889	6	0.98990046
ENSG00000119227	3	PIGZ	196673214	rs6780708	3	196680730	A	G	0.315109	-0.0062117	0.00935261	0.506583	0.500037	0.0524693	1.57E-21	-0.0124225	0.0187492	0.5076121	0.5966502	9	0.87285315
ENSG00000214135	3	AC024560.3	197305084	rs201881570	3	197360350	T	A	0.253479	0.0102767	0.00999466	0.303846	0.498849	0.0742791	1.87E-11	0.0206008	0.0202689	0.3094504	0.8883235	14	0.77917725
ENSG00000250312	4	ZNF718	124386	rs6842197	4	159061	G	A	0.545726	0.0098175	0.00812377	0.226858	-0.853672	0.0819705	2.13E-25	-0.0115003	0.00958012	0.2299703	0.7358205	20	0.73712698
ENSG00000242686	4	RP11-1191J2.2	646639	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	-0.847042	0.0875182	3.72E-22	0.00947535	0.013007	0.4663184	0.3251752	20	0.8574394
ENSG00000185619	4	PCGF3	699537	rs7672618	4	729290	A	G	0.301193	0.0136856	0.00873249	0.117068	-0.493088	0.0694746	1.27E-12	-0.0277549	0.0181364	0.1259326	0.9674274	3	0.64900038
ENSG00000145214	4	DGKQ	952675	rs17783233	4	976598	C	T	0.127237	0.00865026	0.0105538	0.412423	-0.223598	0.0406628	3.82E-08	-0.0386867	0.0477213	0.4175504	0.7840085	6	0.84036064
ENSG00000145217	4	SLC26A1	972861	rs4690163	4	975137	C	T	0.636183	0.00584715	0.00906377	0.518854	-0.418535	0.0716772	5.25E-09	-0.0139705	0.0217877	0.5213856	0.683708	6	0.87396207
ENSG00000090316	4	MAEA	1283639	rs11721461	4	1324515	T	C	0.493042	-0.0033675	0.00806739	0.676369	0.237241	0.0426794	2.72E-08	-0.0141945	0.0341008	0.6772267	0.278601	4	0.91998176
ENSG00000163945	4	UVSSA	1341054	rs4974614	4	1373489	G	A	0.666004	-0.0146473	0.00881156	0.0964562	-0.31192	0.0555063	1.91E-08	0.0469585	0.0294594	0.1109345	0.1884639	13	0.62987719
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.62574	0.194895	7.33E-17	-0.0105578	0.0149588	0.4803157	0.6353404	20	0.8574394
ENSG00000168936	4	TMEM129	1717679	rs28431126	4	1748840	G	A	0.439364	0.00165868	0.00843671	0.844138	-0.305316	0.04799	1.99E-10	-0.0054327	0.0276459	0.8442119	0.9358582	3	0.96846496
ENSG00000125388	4	GRK4	2965335	rs2251457	4	2998481	T	A	0.377734	0.00581146	0.00814074	0.475305	-0.36015	0.0616843	5.26E-09	-0.0161362	0.0227721	0.4785747	0.9191454	5	0.8574394
ENSG00000163956	4	LRPAP1	3508103	rs75378247	4	3503368	A	G	0.220676	-0.0011952	0.0108671	0.91242	0.357064	0.0644679	3.05E-08	-0.0033474	0.0304406	0.9124369	0.9901021	6	0.97758476
ENSG00000132406	4	TMEM128	4237269	rs2916466	4	4249483	T	C	0.827038	-0.0062208	0.0119414	0.602404	0.407362	0.0673124	1.43E-09	-0.015271	0.0294224	0.6037413	0.3719797	7	0.90278667
ENSG00000251580	4	RP11-539L10.3	6672452	rs142007594	4	6656133	G	A	0.466203	0.00169067	0.00813452	0.835354	0.500197	0.0782605	1.64E-10	0.00338001	0.0162712	0.8354405	0.7839373	8	0.96293558
ENSG00000245468	4	RP11-367J11.3	7096298	rs115982136	4	7104965	T	C	0.0357853	-0.0066258	0.0270449	0.806462	-1.48006	0.243161	1.15E-09	0.00447673	0.0182876	0.8066148	0.3911185	17	0.95173338
ENSG00000205959	4	RP11-689P11.2	8483997	rs2631746	4	8490934	C	T	0.672962	0.00797772	0.00823146	0.332458	-0.384937	0.0698997	3.65E-08	-0.0207247	0.0217125	0.3398279	0.04550168	8	0.80140373
ENSG00000237765	4	FAM200B	15683285	rs6815254	4	15692058	C	T	0.287276	-0.0092578	0.0093285	0.320992	-0.319407	0.0518688	7.37E-10	0.0289844	0.0295825	0.3271947	0.4224004	6	0.79021325
ENSG00000249506	4	ZEB2P1	16362309	rs9994101	4	16409795	T	C	0.266402	-0.0084303	0.00898987	0.348371	1.199	0.127159	4.14E-21	-0.0070311	0.0075348	0.3507426	0.7388032	14	0.80906288
ENSG00000163138	4	PACRGL	20697905	rs62410096	4	20693070	A	C	0.082505	-0.0026313	0.0147037	0.857973	-0.814094	0.134134	1.29E-09	0.00323218	0.0180693	0.8580341	0.4010778	9	0.97576711

ENSG00000152990	4	GPR125	22346694	rs2581993	4	22686680	A	G	0.497018	-0.0091476	0.00809107	0.258234	-0.208201	0.0354803	4.41E-09	0.0439362	0.0395765	0.2669309	0.5321419	7	0.75505733
ENSG00000053900	4	ANAPC4	25378835	rs9654100	4	25397695	T	G	0.550696	0.0118828	0.00829953	0.152217	-0.347397	0.0515303	1.57E-11	-0.0342052	0.0244234	0.1613611	0.4844317	20	0.67262324
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.998335	0.0905811	3.01E-28	0.00225357	0.00819324	0.7832758	0.1921089	20	0.94530147
ENSG00000231160	4	RP11-617D20.1	38614322	rs2126526	4	38618689	G	A	0.562624	-0.0111133	0.00836918	0.184218	-0.607748	0.0736746	1.60E-16	0.018286	0.0139481	0.1898554	0.5590213	11	0.69796387
ENSG00000134962	4	KLB	39408473	rs2687969	4	39452499	C	T	0.67992	0.00028721	0.00844962	0.972885	0.560537	0.0893887	3.59E-10	0.00051238	0.0150744	0.9728851	0.3599749	6	0.99150263
ENSG00000163682	4	RPL9	39455744	rs2687958	4	39459724	C	T	0.67992	0.00023959	0.00844861	0.977376	-0.704008	0.0545034	3.62E-38	-0.0003403	0.0120008	0.9773759	0.6561738	20	0.99169992
ENSG00000251350	4	RP11-328N19.1	44018878	rs7657060	4	44038516	T	G	0.178926	2.52E-05	0.010095	0.998009	0.923016	0.117575	4.15E-15	2.73E-05	0.010937	0.9980091	0.3846969	13	0.9981642
ENSG00000151806	4	GUF1	44680444	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	-0.666309	0.0800592	8.60E-17	0.0305097	0.0162773	0.06087953	0.6374605	9	0.54438791
ENSG00000163281	4	GNPDA2	44684217	rs11945975	4	44724566	G	A	0.228628	-0.0178038	0.0110118	0.105921	0.397317	0.0583375	9.71E-12	-0.0448101	0.0284856	0.1157014	0.4914665	7	0.63572632
ENSG00000198515	4	CNGA1	47937994	rs1440227	4	47832892	C	T	0.749503	-0.0013078	0.0106413	0.902188	-0.630719	0.109976	9.75E-09	0.00207349	0.0168756	0.9022105	0.9673558	6	0.97758476
ENSG00000248184	4	RP11-231C18.1	55199059	rs28590763	4	55201384	G	T	0.411531	0.00905853	0.00815159	0.266457	0.611548	0.07922	1.17E-14	0.0148125	0.0134668	0.2713665	0.4885325	3	0.75756481
ENSG00000248518	4	RP11-231C18.2	55242169	rs11729579	4	55198299	A	G	0.462227	0.00483599	0.0081023	0.550596	0.633154	0.111077	1.20E-08	0.00763794	0.0128667	0.5527657	0.2705577	3	0.8905065
ENSG00000128039	4	SRD5A3	56212276	rs36110240	4	56217015	T	C	0.152087	0.00688796	0.0114885	0.548805	0.487884	0.0662221	1.74E-13	0.014118	0.0236254	0.5501221	0.2986786	8	0.8889518
ENSG00000269949	4	RP11-738E22.3	57827093	rs13113032	4	57827119	A	T	0.286282	0.00260725	0.00979536	0.790107	-0.806654	0.122003	3.80E-11	-0.0032322	0.012153	0.7902727	0.05964801	15	0.94831585
ENSG00000145241	4	CENPC	68337521	rs10014862	4	68310690	A	C	0.625249	-0.0137773	0.00813932	0.090517	-0.287929	0.0492363	4.98E-09	0.0478496	0.0294289	0.1039621	0.2556677	9	0.62987719
ENSG00000035720	4	STAP1	68424446	rs1487383	4	68437251	T	C	0.558648	0.0109618	0.00806336	0.174001	-0.621028	0.0873808	1.18E-12	-0.0176511	0.0132193	0.1817944	0.6291052	20	0.68807378
ENSG00000174792	4	C4orf26	76481258	rs2061742	4	76480880	A	G	0.451292	0.00229637	0.00813892	0.777831	0.499507	0.0757094	4.18E-11	0.00459727	0.0163088	0.7780285	0.788762	6	0.94475423
ENSG00000138744	4	NAAA	76831809	rs6826085	4	76870229	T	C	0.422465	-0.0093367	0.00811114	0.249695	0.469061	0.0609587	1.42E-14	-0.019905	0.0174847	0.2549438	0.7853036	6	0.74930874
ENSG00000138750	4	NUP54	77035812	rs6838303	4	77030255	T	C	0.132207	-0.0063545	0.012088	0.599106	0.424684	0.0608873	3.06E-12	-0.0149628	0.0285442	0.6001406	0.3823299	20	0.90240315
ENSG00000189157	4	FAM47E	77135193	rs6823078	4	77196848	G	A	0.409543	-0.0022825	0.00812465	0.778757	-0.656942	0.0701467	7.59E-21	0.00347449	0.0123729	0.7788532	0.5367633	18	0.94475423
ENSG00000118804	4	FAM47E-STBD1	77172886	rs3817118	4	77199211	C	A	0.0765408	0.0115962	0.0122323	0.343128	-0.775356	0.101667	2.41E-14	-0.014956	0.0158978	0.3468288	0.7224618	15	0.80906288
ENSG00000138758	4	11-Sep	77870856	rs2703158	4	77935067	T	C	0.626243	0.00726873	0.00818386	0.374444	0.22112	0.039428	2.04E-08	0.0328723	0.0374722	0.3803533	0.8250987	5	0.81183661
ENSG00000251022	4	THAP9-AS1	83814162	rs2305876	4	83821324	G	A	0.244533	-0.0193563	0.00989471	0.0504382	-0.563119	0.058815	1.02E-21	0.0343734	0.0179343	0.05528491	0.6954997	20	0.5349102
ENSG00000180769	4	WDFY3-AS2	85887538	rs17009317	4	85769856	G	A	0.310139	-0.0145981	0.00937101	0.119283	0.340196	0.0521097	6.64E-11	-0.0429108	0.0283193	0.1297082	0.6215948	10	0.64900038
ENSG00000273389	4	RP13-514E23.2	86921480	rs1075824	4	86867073	G	A	0.223658	0.00700511	0.00957321	0.464327	0.626949	0.0861027	3.30E-13	0.0111733	0.0153464	0.4665684	0.6459498	5	0.8574394
ENSG00000163629	4	PTPN13	87515468	rs13148078	4	87702020	A	G	0.114314	0.0016145	0.0146443	0.912213	-0.51147	0.0902637	1.46E-08	-0.0031566	0.0286372	0.9122295	0.9747136	8	0.97758476
ENSG00000170509	4	HSD17B13	88224941	rs4089	4	88221345	G	C	0.253479	-0.0072999	0.00964253	0.44902	0.809836	0.13436	1.67E-09	-0.009014	0.0120003	0.4525639	0.5834222	4	0.8574394
ENSG00000152583	4	SPARCL1	88394487	rs9998212	4	88357842	C	A	0.147117	-0.0034884	0.0118299	0.768084	-0.276889	0.0493888	2.07E-08	0.0125987	0.0427834	0.7683947	0.77407	4	0.94048369
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	0.989399	0.0891377	1.26E-28	-0.0137491	0.00836539	0.1002663	0.2774721	19	0.62987719
ENSG00000138722	4	MMRN1	90800683	rs79994234	4	90810807	T	C	0.0377734	0.00769365	0.0237998	0.746493	1.54851	0.193192	1.10E-15	0.00496842	0.015382	0.7466932	0.9829004	19	0.93221202
ENSG00000152208	4	GRID2	93225550	rs17019562	4	93478192	T	C	0.414513	0.00987241	0.00832899	0.235896	0.59523	0.0803708	1.30E-13	0.0165859	0.014171	0.2418352	0.3009873	11	0.74413587
ENSG00000109270	4	LAMTOR3	100799493	rs6816635	4	100913449	G	A	0.280318	-0.0005801	0.00917648	0.949596	-0.198499	0.0348353	1.21E-08	0.00292232	0.0462322	0.9495995	0.2503055	6	0.98990046
ENSG00000123739	4	PLA2G12A	110631145	rs11728699	4	110649891	T	G	0.530815	0.00666182	0.00808285	0.40983	0.433192	0.0581845	9.68E-14	0.0153784	0.0187728	0.4126793	0.7986192	12	0.83492002
ENSG00000109534	4	GAR1	110736666	rs10365	4	110745854	G	C	0.647117	-0.0110425	0.00819385	0.177768	0.49681	0.0793461	3.82E-10	-0.0222268	0.0168706	0.187676	0.0539826	5	0.69607688
ENSG00000234841	4	RP11-119H12.4	113747463	rs36016946	4	113761075	G	A	0.335984	0.0203899	0.00859153	0.0176319	0.536102	0.0947604	1.54E-08	0.0380336	0.0173789	0.0286335	0.9205868	7	0.43069808
ENSG00000260404	4	RP11-384K6.6	119512928	rs10006526	4	119515483	G	C	0.338966	0.00652874	0.0080908	0.419705	-0.308248	0.0545119	1.56E-08	-0.0211802	0.0265136	0.4243826	0.1549276	16	0.84672686
ENSG00000249244	4	RP11-548H18.2	120312986	rs11728730	4	120275003	C	T	0.284294	-0.0128529	0.00920191	0.162485	0.56838	0.104242	4.97E-08	-0.0226132	0.0167125	0.1760322	0.6533206	9	0.68725353
ENSG00000245958	4	RP11-33B1.1	120375946	rs202019903	4	120344304	C	T	0.121272	-0.0155123	0.00936955	0.0978003	-0.950325	0.0976954	2.30E-22	0.0163232	0.0100011	0.1026507	0.9789793	13	0.62987719
ENSG00000164111	4	ANXA5	122589110	rs76551385	4	122581912	C	T	0.314115	0.00612531	0.00901295	0.49675	-0.375569	0.042982	2.38E-18	-0.0163094	0.0240706	0.4980471	0.3171248	17	0.86624602
ENSG00000151470	4	C4orf33	130014472	rs337278	4	130029879	C	A	0.807157	-0.0019423	0.0112237	0.86261	-0.687257	0.0909633	4.18E-14	0.00282616	0.0163354	0.8626451	0.8986564	20	0.97612159
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.966518	0.0966474	1.52E-23	-0.009742	0.0147477	0.5088831	0.4862802	10	0.87293
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.761123	0.108424	2.22E-12	-0.012371	0.0187695	0.5098321	0.7981657	8	0.87324135
ENSG00000251600	4	RP11-673E1.1	144833484	rs4835127	4	144919125	A	C	0.66004	-0.0034211	0.00856824	0.689692	0.906645	0.103989	2.81E-18	-0.0037733	0.0094604	0.6899998	0.9983635	9	0.92162674
ENSG00000164144	4	ARFIP1	153701089	rs2004794	4	153860134	T	G	0.614314	-0.0065494	0.00837617	0.434267	0.345761	0.0537912	1.29E-10	-0.018942	0.0244039	0.4376379	0.9329406	15	0.85440418
ENSG00000250538	4	RP11-92A5.2	156127681	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	0.999397	0.134206	9.57E-14	0.0245786	0.0149297	0.09970375	0.3783708	6	0.62987719
ENSG00000185149	4	NPY2R	156129781	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.05058	0.129344	4.57E-16	0.0233812	0.0141469	0.09838307	0.2470692	9	0.62987719
ENSG00000248429	4	RP11-597D13.9	159091904	rs12648410	4	159094786	C	T	0.851889	-0.0127427	0.011068	0.249605	0.902053	0.11591	7.12E-15	-0.0141263	0.0124033	0.2547388	0.7299064	8	0.74930874
ENSG00000171503	4	ETFDH	159593277	rs11559290	4	159601676	T	C	0.863817	0.0186238	0.01518	0.219876	0.71814	0.0818048	1.65E-18	0.0259334	0.0213434	0.2243448	0.04748158	13	0.72895982
ENSG00000271817	4	U3	159621843	rs9918016	4	159621997	A	G	0.28827	-0.0096292	0.00919347	0.294918	0.59218	0.107937	4.10E-08	-0.0162606	0.0158052	0.3035676	0.5467234	3	0.77854243
ENSG00000273449	4	RP11-218F10.3	164450923	rs2276979	4	164415734	G	A	0.580517	-0.0079547	0.00831519	0.338747	-0.641862	0.0856307	6.59E-14	0.0123931	0.0130599	0.342648	0.3495583	12	0.80601854
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.502627	0.0551045	7.42E-20	0.00037184	0.0162951	0.9817945	0.6313316	16	0.9923529
ENSG00000248174	4	RP11-148L24.1	175015811	rs75632645	4	175040059	C	T	0.105368	0.017567	0.0137513	0.201435	0.892107	0.119571	8.59E-14	0.0196916	0.0156387	0.2079743	0.6469364	12	0.72288156
ENSG00000249106	4	RP11-806K15.1	176711458	rs78640136	4	176721419	G	A	0.0447316	0.0536789	0.0178709	0.0026671	-1.06733	0.168516	2.39E-10	-0.0502927	0.018531	0.00664809	0.2123137	4	0.2655399
ENSG00000164122	4	ASB5	177134824	rs6827550	4	177145890	C	T	0.21173	-0.0075385	0.0104178	0.4693	0.588606	0.106272	3.05E-08	-0.0128074	0.0178495	0.4730513	0.8550226	12	0.8574394
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.394348	0.0480662	2.32E-16	-0.0128014	0.0209951	0.5420384	0.5321828	5	0.88454878
ENSG00000164303	4	ENPP6	185009859	rs1882328	4	185137253	C	T	0.544732	0.00018423	0.00809429	0.981842	0.212737	0.0389447	4.69E-08	0.00086599	0.0380487	0.9818417	0.6769654	7	0.9923529
ENSG00000271538	4	RP11-326I11.4	185427614	rs1991229	4	185458709	T	C	0.737575	-0.0091099	0.00857442	0.288029	-0.584305	0.0954086	9.11E-10	0.0155911	0.0148938	0.2951834	0.4462643	3	0.77801577
ENSG00000151725	4	MLF1IP	185615772	rs6845294	4	185653826	A	G	0.703777	0.0104026	0.00883603	0.239078	0.520283	0.0901119	7.75E-09	0.0199941	0.0173326	0.2486819	0.1731209	12	0.74596735
ENSG00000109771	4	LRP2BP	186285032	rs6815168	4	186325429	C	T	0.0984095	-0.0008579	0.0181194	0.962239	-0.650497	0.100708	1.05E-10	0.00131876	0.0278554	0.9622398	0.3678074	6	0.98990046
ENSG00000109775	4	UFSP2	186320694	rs12500107	4	186350063	T	C	0.714712	-0.0187382	0.00965242	0.0522216	0.760199	0.0728423	1.69E-25	-0.0246491	0.012915	0.05631929	0.5342451	20	0.53534941
ENSG00000109794	4	FAM149A	187025573	rs4241814	4	187093018	T	G	0.599404	-0.0040934	0.0080608	0.611581	0.494089	0.0489816	6.29E-24	-0.0082848	0.0163351	0.6120315	0.2569397	17	0.90799245
ENSG00000145476	4	CYP4V2	187112674	rs2292426	4	187120753	G	A	0.673956	-0.0077475	0.00868372	0.37229	-0.438811	0.0651351	1.62E-11	0.0176558	0.019962	0.3764431	0.2058651	7	0.81183661
ENSG00000164344	4	KLKB1	187130133	rs62350518	4	187118358	T	C	0.176938	0.00884754	0.0124287	0.476551	0.772886	0.11344	9.55E-12	0.0114474	0.0161684	0.4789393	0.5647953	7	0.8574394
ENSG00000245685	4	AF146191.4	190701490	rs2077338	4	190814380	C	T	0.668986	0.0166895	0.00871412	0.0554638	-0.769768	0.127673	1.65E-09	-0.0216812	0.0118779	0.06794912	0.6741256	20	0.55697839
ENSG00000221990	5	C5orf55	441645	rs2241598	5	438564	C	T	0.787276	0.00494702	0.0115339	0.667987	0.457537	0.0778956	4.26E-09	0.0108123	0.0252758	0.6688169	0.01251432	15	0.91912703
ENSG00000180104	5	EXOC3	443273	rs11740891	5	435626	G	A	0.455268	0.0147669	0.00814928	0.0699778	-0.559738	0.0754803	1.21E-13	-0.0263818	0.0149874	0.07836371	0.625903	20	0.58215432
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.961745	0.085732	3.33E-29	0.00348247	0.00924668	0.7064572	0.1866911	20	0.92693992
ENSG00000066230	5	SLC9A3	473425	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.837284	0.0925565	1.48E-19	0.00400014	0.0106244	0.706542	0.06236081	20	0.92693992
ENSG00000249201	5	CTD-3080P12.3	1173256	rs56905279	5	1201315	T	C	0.738569	-0.0010357	0.0089373	0.907748	-0.519118	0.0944298	3.85E-08	0.00199502	0.0172201	0.9077684	0.6170993	7	0.97758476
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.10511	0.085143	1.60E-38	0.00369007	0.00757567	0.6261913	0.8006615	20	0.91462681
ENSG00000232615	5	CTD-2012J19.1	1614951	rs10061756	5	1630142	A	G	0.236581	-0.005788	0.00932053	0.534604	0.986264	0.128408	1.58E-14	-0.0058686	0.00948118	0.5359329	0.8323608	10	0.88273801
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-0.973924	0.0703806	1.50E-43	-0.0006053	0.00835608	0.9422529	0.5389982	20	0.98990046
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.259846	0.0443389	4.62E-09	-0.01857	0.0315811	0.5565264	0.2961477	8	0.89265338
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.849381	0.104206	3.61E-16	-0.0059815	0.0101734	0.5565653	0.9818162	17	0.89265338
ENSG00000271892	5	CTD-2228A4.1	17107469	rs632754	5	17145142	A	G	0.34493	-0.0007489	0.00880559	0.932227	0.437433	0.0548325	1.49E-15	-0.0017119	0.0201313	0.9322308	0.6609908	13	0.98788494
ENSG00000249937	5	RP11-454P21.1	17684693	rs10041264	5	17801830	G	T	0.764414	0.00059267	0.00894106	0.94715	-0.400951	0.0689723	6.13E-09	-0.0014782	0.0223011	0.9471531	0.9277517	19	0.98990046
ENSG00000183666	5	GUSBP1	21341942	rs75158803	5	21573069	G	A	0.140159	-0.0228409	0.0139964	0.102698	1.15913	0.136058	1.60E-17	-0.0197052	0.0122945	0.1089849	0.238704	20	0.62987719
ENSG00000272130	5	RP11-360I2.1	21569864	rs75158803	5	21573069	G	A	0.140159	-0.0228409	0.0139964	0.102698	1.16594	0.146978	2.14E-15	-0.0195901	0.0122558	0.1099451	0.3903156	15	0.62987719
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-0.78821	0.115327	8.22E-12	-0.0109675	0.0123841	0.3758248	0.3742021	7	0.81183661
ENSG00000242110	5	AMACR	33986283	rs10941112	5	34004707	T	C	0.503976	-0.0141563	0.00810468	0.0806938	0.622459	0.0642489	3.38E-22	-0.0227425	0.0132303	0.08562004	0.5151658	18	0.59822674
ENSG00000178996	5	SNX18	53813589	rs11954443	5	53845448	A	G	0.203777	0.0115523	0.0127879	0.366328	-0.33555	0.060993	3.77E-08	-0.034428	0.0386206	0.3726937	0.3629589	7	0.81081535
ENSG00000155542	5	SETD9	56205087	rs185220	5	56205357	G	A	0.837972	-0.0059765	0.0106623	0.575119	0.993996	0.080231	2.99E-35	-0.0060126	0.0107377	0.5755118	0.2131397	20	0.90007051
ENSG00000271828	5	CTD-2310F14.1	56223701	rs62355909	5	56076977	A	G	0.0994036	0.0186573	0.0153296	0.223573	0.969956	0.150865	1.28E-10	0.0192352	0.0160851	0.2317594	0.4279629	12	0.73715815
ENSG00000178722	5	C5orf64	60933535	rs153379	5	61002805	A	T	0.331014	-0.0051426	0.00921721	0.576891	-0.419337	0.0582813	6.24E-13	0.0122636	0.0220464	0.5780314	0.02622704	6	0.90007051
ENSG00000251575	5	CTD-2170G1.2	61028601	rs253179	5	61026589	G	A	0.259443	-0.0061089	0.0099664	0.53991	0.487416	0.0769802	2.42E-10	-0.0125333	0.020543	0.5417966	0.5936161	3	0.88454878
ENSG00000113593	5	PPWD1	64859063	rs37251	5	64923406	A	G	0.621272	0.00616825	0.00839683	0.462588	-0.397151	0.0599392	3.45E-11	-0.0155312	0.0212722	0.4653173	0.7648139	14	0.8574394
ENSG00000197822	5	OCLN	68788119	rs11744640	5	68623784	T	C	0.054672	0.00131294	0.0170526	0.938628	0.851616	0.152059	2.14E-08	0.0015417	0.0200257	0.9386345	0.6179748	3	0.98990046
ENSG00000253203	5	GUSBP3	68790040	rs212211	5	69375219	G	A	0.732604	0.00475311	0.0105405	0.652035	-0.871593	0.110835	3.72E-15	-0.0054534	0.0121132	0.6525675	0.6655569	3	0.91912703
ENSG00000226259	5	GTF2H2B	69711179	rs59966095	5	70665606	T	C	0.616302	-0.0061149	0.00864302	0.479261	-0.750149	0.0923835	4.66E-16	0.00815154	0.0115654	0.480921	0.01804555	6	0.8574394
ENSG00000269983	5	RP11-497H16.9	69745463	rs10058698	5	70670771	C	A	0.636183	-0.0136879	0.00860533	0.111693	-0.720877	0.0952415	3.76E-14	0.0189878	0.0121981	0.1195588	0.00514716	6	0.63684501
ENSG00000253333	5	RP11-497H16.8	69790927	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.878743	0.0932472	4.35E-21	-0.0091249	0.0122395	0.4559531	0.02587711	6	0.8574394
ENSG00000172058	5	SERF1A	70196492	rs212211	5	69375219	G	A	0.732604	0.00475311	0.0105405	0.652035	-1.08967	0.109835	3.37E-23	-0.004362	0.0096831	0.6523696	0.02108529	5	0.91912703
ENSG00000145736	5	GTF2H2	70330784	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.783258	0.110219	1.19E-12	0.0256444	0.0122048	0.03562564	0.09804076	3	0.45161515
ENSG00000230847	5	RP11-195E2.1	70370052	rs7710143	5	70675730	G	A	0.642147	-0.0097576	0.00871128	0.262668	-0.743691	0.0861246	5.87E-18	0.0131205	0.0118117	0.266654	0.05991015	3	0.75505733
ENSG00000113048	5	MRPS27	71515236	rs6831	5	71515616	G	A	0.65507	0.00454141	0.00814031	0.576918	-0.3201	0.0509588	3.35E-10	-0.0141875	0.0255306	0.5784131	0.6824525	3	0.90007051
ENSG00000157111	5	TMEM171	72416119	rs638333	5	72419267	C	T	0.28827	0.0138973	0.00927929	0.134219	0.867173	0.103229	4.45E-17	0.016026	0.0108694	0.1403687	0.04536888	11	0.6493459
ENSG00000164346	5	NSA2	74062817	rs72764663	5	74082520	A	G	0.137177	-0.0152049	0.0126004	0.227546	1.30735	0.0984573	3.09E-40	-0.0116303	0.00967784	0.2294613	0.07730884	13	0.73712698
ENSG00000145692	5	BHMT	78407602	rs617219	5	78429594	C	A	0.349901	0.00352491	0.00820456	0.667466	0.531334	0.0871015	1.06E-09	0.00663408	0.0154797	0.6682387	0.4946272	9	0.91912703
ENSG00000228716	5	DHFR	79922047	rs408626	5	79951133	C	T	0.450298	-0.0129091	0.00810531	0.111233	0.572005	0.0652812	1.92E-18	-0.0225682	0.0144022	0.1171156	0.9342535	20	0.63572632
ENSG00000247572	5	CKMT2-AS1	80499903	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	0.990205	0.108292	6.02E-20	-0.0138576	0.0102968	0.1783606	0.3531179	9	0.68807378
ENSG00000152348	5	ATG10	81267844	rs111549985	5	81268070	G	C	0.229622	0.00537576	0.00978825	0.582864	0.8142	0.107285	3.22E-14	0.00660251	0.0120534	0.5838478	0.2261807	20	0.90051062
ENSG00000186468	5	RPS23	81569177	rs3739	5	81569311	G	A	0.299205	0.00543218	0.00872004	0.533315	-0.628788	0.0602972	1.84E-25	-0.0086391	0.0138927	0.5340438	0.6287906	20	0.88257879
ENSG00000205464	5	ATP6AP1L	81575281	rs178931	5	81575601	A	T	0.701789	-0.005667	0.0087136	0.51546	-0.800644	0.0751052	1.56E-26	0.00707801	0.0109035	0.51624	0.732066	20	0.87396207
ENSG00000249664	5	CTD-2227C6.2	82308104	rs7722924	5	82356042	C	T	0.461233	0.0030847	0.00807399	0.702422	0.786598	0.108335	3.85E-13	0.00392157	0.0102786	0.7028129	0.00510099	11	0.92491112
ENSG00000247828	5	TMEM161B-AS1	87564712	rs4916899	5	87588026	G	A	0.257455	0.021428	0.00893945	0.0165291	0.611882	0.0683989	3.69E-19	0.0350198	0.0151251	0.02059437	0.04543092	14	0.38925469
ENSG00000271904	5	CTC-498M16.4	87729709	rs6884773	5	87715465	G	A	0.262425	-0.0105513	0.0101796	0.299961	0.7756	0.10871	9.71E-13	-0.013604	0.0132626	0.3050114	0.0029705	20	0.77854243
ENSG00000243806	5	CTC-484P3.1	94161666	rs153896	5	94153920	A	C	0.928429	0.00978203	0.0125712	0.436494	-0.914804	0.13413	9.09E-12	-0.010693	0.0138311	0.4394545	0.8497131	20	0.85440418
ENSG00000198677	5	TTC37	94799599	rs11948489	5	94885515	T	C	0.177932	0.00324698	0.0124499	0.794244	0.375023	0.0648343	7.28E-09	0.00865808	0.0332314	0.794448	0.3145714	11	0.94845572
ENSG00000272021	5	AC008592.8	95185013	rs12523597	5	95173881	A	G	0.0864811	-0.0055514	0.0148867	0.709218	0.908843	0.154728	4.26E-09	-0.0061082	0.0164128	0.7097756	0.8999417	6	0.92728645
ENSG00000236882	5	C5orf27	95187936	rs2546197	5	95172281	G	T	0.0874751	-0.0054347	0.0148784	0.714909	0.615105	0.0988941	4.98E-10	-0.0088353	0.0242301	0.7153775	0.8871345	6	0.92829712
ENSG00000153113	5	CAST	95860971	rs4267886	5	95997266	C	T	0.151093	0.0144531	0.0116838	0.216078	0.54955	0.0648116	2.27E-17	0.0262999	0.0214857	0.2209285	0.653938	20	0.72895982
ENSG00000164307	5	ERAP1	96096521	rs13160562	5	96111371	A	G	0.327038	-0.0144342	0.00906573	0.111345	-0.664633	0.0731949	1.08E-19	0.0217176	0.0138483	0.1168237	0.448432	20	0.63572632
ENSG00000164308	5	ERAP2	96211643	rs2927608	5	96252432	A	G	0.426441	-0.0050424	0.00809512	0.533353	1.14778	0.0746023	2.05E-53	-0.0043932	0.00705863	0.5336886	0.1771043	20	0.88257879
ENSG00000174136	5	RGMB	98104354	rs161744	5	98261891	C	T	0.209742	0.0151648	0.0131282	0.248037	-0.405221	0.070012	7.13E-09	-0.0374235	0.0330366	0.2573017	0.1569421	20	0.75163942
ENSG00000145777	5	TSLP	110405760	rs3806932	5	110405675	G	A	0.462227	-0.0108432	0.00808819	0.180042	-0.570612	0.0960409	2.83E-09	0.0190028	0.014531	0.1909605	0.5788747	4	0.69796387
ENSG00000145781	5	COMMD10	115420688	rs1592916	5	115569318	T	C	0.761431	0.0148038	0.00874127	0.0903504	-0.418919	0.0760317	3.59E-08	-0.0353381	0.0218297	0.1054886	0.243178	20	0.62987719
ENSG00000164334	5	FAM170A	118965254	rs142045200	5	118791203	G	C	0.117296	0.0240926	0.012785	0.0595059	0.892343	0.152736	5.15E-09	0.0269993	0.0150543	0.07289963	0.1163602	9	0.56369965
ENSG00000245937	5	CTC-228N24.3	127276118	rs6888037	5	127406259	T	G	0.787276	-0.0140368	0.0111572	0.208359	0.41571	0.0722395	8.68E-09	-0.0337658	0.0274728	0.2190478	0.00175535	7	0.72895982
ENSG00000113396	5	SLC27A6	127873706	rs257894	5	128312506	A	G	0.360835	-0.0026283	0.00888622	0.767406	-0.39796	0.068786	7.23E-09	0.00660438	0.0223586	0.7677001	0.3619995	20	0.94048369
ENSG00000233006	5	AC034220.3	131646978	rs2631365	5	131705949	C	T	0.416501	-0.0060714	0.00807129	0.451916	-0.87601	0.0826724	3.10E-26	0.00693075	0.00923688	0.4530532	0.6693469	20	0.8574394
ENSG00000164615	5	CAMLG	134074191	rs12657663	5	134076812	A	G	0.133201	0.00532909	0.0101822	0.600716	0.936645	0.0855977	7.23E-28	0.00568955	0.0108834	0.6011305	0.725608	14	0.90240315
ENSG00000113621	5	TXNDC15	134209493	rs7706190	5	134251868	C	T	0.148111	0.0117379	0.0100791	0.244191	0.679944	0.0889885	2.16E-14	0.017263	0.0149946	0.249616	0.5172411	8	0.74596735
ENSG00000270021	5	CTC-203F4.2	134734970	rs1382286	5	134753479	A	T	0.950298	0.00300394	0.0195833	0.878088	0.766658	0.11036	3.73E-12	0.00391823	0.0255499	0.8781179	0.9727728	13	0.97751185
ENSG00000253404	5	AC034243.1	138080123	rs13188082	5	138251689	A	G	0.270378	0.0287092	0.00867935	0.00094046	0.958362	0.0994596	5.65E-22	0.0299565	0.0095752	0.00175669	0.9382554	20	0.1592668
ENSG00000182700	5	IGIP	139505521	rs407519	5	138906733	A	G	0.184891	-0.0205833	0.0108931	0.0588153	-0.30075	0.0535489	1.95E-08	0.0684399	0.0382147	0.07330463	0.01338067	5	0.56390265
ENSG00000213523	5	SRA1	139916925	rs2563253	5	139962167	G	A	0.517893	-0.0149097	0.00837281	0.0749566	-0.270026	0.0491208	3.86E-08	0.0552158	0.0325937	0.09025333	0.7410082	13	0.60971023
ENSG00000113119	5	TMCO6	140019012	rs3138074	5	140015932	T	A	0.253479	-0.0105255	0.00890777	0.237361	0.418422	0.0749098	2.33E-08	-0.0251552	0.0217601	0.2476706	0.3820612	7	0.74596735
ENSG00000239389	5	PCDHA13	140261793	rs251379	5	140258922	A	G	0.662028	-0.0203692	0.00877956	0.0203376	-0.601504	0.104961	1.00E-08	0.0338638	0.0157468	0.03151412	0.302564	3	0.43653569
ENSG00000120322	5	PCDHB8	140557371	rs2740584	5	140561768	T	C	0.247515	0.00833286	0.00937105	0.373888	0.633294	0.0932895	1.13E-11	0.013158	0.0149237	0.3779492	0.2830007	5	0.81183661
ENSG00000120328	5	PCDHB12	140588269	rs2204704	5	140561983	A	G	0.55169	0.00124685	0.00807575	0.877299	0.452534	0.0809924	2.31E-08	0.00275526	0.0178524	0.8773453	0.8780003	11	0.97751185
ENSG00000133706	5	LARS	145492601	rs7728631	5	145489251	T	C	0.329026	0.00303694	0.00834575	0.715939	0.492479	0.0715645	5.92E-12	0.00616664	0.0169701	0.7163189	0.1494406	13	0.92829712
ENSG00000204909	5	SPINK9	147700766	rs9784645	5	147716981	T	G	0.253479	0.00574016	0.00900598	0.523883	0.621749	0.103658	2.00E-09	0.00923228	0.0145665	0.5262089	0.1039228	4	0.87867368
ENSG00000173210	5	ABLIM3	148521046	rs1109114	5	148615946	T	C	0.360835	0.0116006	0.00840439	0.167493	-0.705545	0.0826013	1.32E-17	-0.016442	0.0120664	0.1730006	0.9671831	9	0.68201901
ENSG00000254333	5	CTC-367J11.1	149855094	rs3846703	5	149857460	T	C	0.0725646	0.0225751	0.014915	0.130131	1.29886	0.173742	7.67E-14	0.0173807	0.0117161	0.137946	0.8779692	7	0.6493459
ENSG00000070614	5	NDST1	149865381	rs11994	5	149937739	A	G	0.439364	0.0103974	0.00806066	0.197085	0.275243	0.0479762	9.63E-09	0.0377753	0.0300167	0.2082189	0.4989666	6	0.72288156
ENSG00000197083	5	ZNF300P1	150310207	rs12659118	5	150324622	C	T	0.115308	0.0160302	0.0132866	0.227629	1.36487	0.139219	1.08E-22	0.0117449	0.00980814	0.2311273	0.07435643	13	0.73715815
ENSG00000260581	5	CTB-113P19.4	151031836	rs165353	5	150856757	T	C	0.385686	0.00011035	0.00828592	0.989374	0.564651	0.0621295	1.01E-19	0.00019543	0.0146744	0.9893744	0.4180147	20	0.99513674
ENSG00000213433	5	RP11-54C4.1	151145420	rs7734314	5	151182636	G	C	0.422465	-0.0267435	0.008182	0.00108091	-0.739843	0.0891094	1.02E-16	0.0361475	0.0118852	0.00235495	0.2074728	18	0.16877208
ENSG00000251405	5	CTB-109A12.1	156789623	rs77243217	5	156887473	A	G	0.0894632	0.0123543	0.0137926	0.370404	1.07594	0.106735	6.74E-24	0.0114823	0.0128696	0.3722835	0.7458242	20	0.81081535
ENSG00000248544	5	CTB-47B11.3	156802749	rs11466776	5	156926534	T	C	0.0904573	0.010961	0.0138311	0.428074	1.17391	0.131664	4.84E-19	0.00933717	0.0118285	0.4298915	0.8100238	16	0.85036633
ENSG00000204764	5	RANBP17	170288874	rs3860763	5	170397896	A	G	0.686879	-0.010271	0.0084247	0.222785	0.462354	0.0834585	3.03E-08	-0.0222146	0.0186573	0.2337861	0.5457206	3	0.7378013
ENSG00000113734	5	BNIP1	172571445	rs72816171	5	172595998	T	G	0.117296	-0.005789	0.0131192	0.659024	-0.556057	0.101455	4.23E-08	0.0104108	0.0236696	0.6600536	0.2788298	4	0.91912703
ENSG00000051596	5	THOC3	175344876	rs56033051	5	175343491	C	T	0.192843	-0.0143385	0.0102534	0.161988	0.582999	0.0618586	4.31E-21	-0.0245944	0.0177799	0.1665821	0.4776315	9	0.67444644
ENSG00000213347	5	MXD3	176728462	rs11952102	5	176740704	A	G	0.763419	0.00682259	0.00878806	0.437543	-0.475073	0.0753078	2.82E-10	-0.0143611	0.0186379	0.4409828	0.474984	11	0.85440418
ENSG00000027847	5	B4GALT7	177027101	rs78016214	5	177062200	G	A	0.409543	-0.0084412	0.00807553	0.295896	-0.336225	0.0514927	6.60E-11	0.0251057	0.024324	0.3020095	0.38379	20	0.77854243
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.392535	0.0423579	1.91E-20	0.0366016	0.0214011	0.08721705	0.5381915	19	0.60403522
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	0.811373	0.0862827	5.27E-21	0.0203271	0.0105757	0.05459735	0.6367193	19	0.5349102
ENSG00000170089	5	RP11-423H2.1	177236408	rs199606637	5	177270437	G	A	0.398608	0.00900942	0.00819761	0.271755	0.31902	0.0583428	4.55E-08	0.0282409	0.0262101	0.2812651	0.4650461	4	0.7596718
ENSG00000087116	5	ADAMTS2	178537852	rs13165525	5	178665562	A	G	0.350895	-0.0030992	0.0083409	0.71022	-0.736521	0.12832	9.48E-09	0.00420782	0.0113484	0.710798	0.1107976	3	0.92734136
ENSG00000127022	5	CANX	179105629	rs1134924	5	179126090	T	C	0.496024	0.0122447	0.00805621	0.128535	-0.240111	0.0383778	3.94E-10	-0.050996	0.0345279	0.1396888	0.9480681	13	0.6493459
ENSG00000161010	5	C5orf45	179261436	rs10277	5	179264731	C	T	0.518887	-0.0154053	0.0082913	0.0631684	-0.418759	0.0586779	9.57E-13	0.036788	0.0204597	0.07216619	0.7352889	15	0.56349315
ENSG00000197226	5	TBC1D9B	179289066	rs272441	5	179301260	G	A	0.884692	-0.0021476	0.0151594	0.887341	1.22884	0.127846	7.12E-22	-0.0017477	0.0123377	0.8873524	0.9873382	6	0.97758476

ENSG00000168903	5	BTNL3	180415845	rs72494581	5	180430797	C	T	0.322068	-0.0104168	0.00852149	0.221551	0.845668	0.114446	1.48E-13	-0.0123178	0.0102136	0.2278083	0.4736772	20	0.73700598
ENSG00000248275	5	TRIM52-AS1	180688213	rs2545061	5	180714439	C	T	0.27336	0.00537786	0.00898316	0.549399	-0.902473	0.0752933	4.20E-33	-0.005959	0.00996635	0.5498968	0.1673459	19	0.8889518
ENSG00000272463	6	RP11-532F6.3	708592	rs2244443	6	711150	C	A	0.707753	-0.006699	0.00912033	0.462634	0.916764	0.115181	1.73E-15	-0.0073073	0.00999067	0.4645304	0.3986357	8	0.8574394
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.17874	0.11871	3.10E-23	0.0072732	0.00844583	0.3891509	0.859129	16	0.81246255
ENSG00000164385	6	C6orf195	2622147	rs7750686	6	2625101	C	G	0.483101	-0.0163518	0.00805948	0.0424698	0.655563	0.101549	1.08E-10	-0.0249431	0.0128868	0.05292282	0.07710624	6	0.53244236
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.876115	0.100615	3.10E-18	-0.0030354	0.00938229	0.7462972	0.332866	14	0.93221202
ENSG00000124588	6	NQO2	2988221	rs4149360	6	3006807	G	A	0.188867	-0.0024103	0.00988062	0.807274	-0.500941	0.0625413	1.15E-15	0.00481158	0.0197333	0.8073616	0.7784114	16	0.95173338
ENSG00000272277	6	RP1-40E16.12	3068279	rs12203636	6	3064249	G	A	0.549702	-0.0043758	0.00824522	0.595624	-0.629001	0.101824	6.52E-10	0.00695671	0.0131567	0.5969738	0.8116105	3	0.90240315
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	0.732118	0.0870446	4.07E-17	0.00491369	0.013953	0.7247187	0.08490198	11	0.92829712
ENSG00000180822	6	PSMG4	3231637	rs4613858	6	3287681	T	C	0.887674	0.0231371	0.0148119	0.118273	0.607428	0.103176	3.93E-09	0.0380903	0.0252283	0.1310892	0.4724846	8	0.64900038
ENSG00000228793	6	RP1-223B1.1	3594481	rs226967	6	3720283	A	G	0.667992	0.00948489	0.00877835	0.279925	0.755272	0.0702486	5.84E-27	0.0125582	0.0116813	0.2823428	0.1885754	19	0.7606044
ENSG00000198721	6	ECI2	4115923	rs689308	6	4127730	C	A	0.332008	-0.0033059	0.00930136	0.722274	-0.325271	0.0509354	1.70E-10	0.0101636	0.02864	0.7226847	0.9604744	6	0.92829712
ENSG00000124784	6	RIOK1	7389729	rs6597266	6	7390077	T	C	0.345924	0.00819478	0.00852897	0.336644	-0.479043	0.0792193	1.48E-09	-0.0171066	0.0180275	0.3426646	0.9773578	20	0.80601854
ENSG00000145979	6	TBC1D7	13266774	rs202036	6	13288737	A	T	0.697813	0.0132756	0.00837278	0.112837	-0.492945	0.0622044	2.29E-15	-0.0269312	0.0173219	0.1200052	0.508257	20	0.63684501
ENSG00000050393	6	MCUR1	13786789	rs3734672	6	13787578	A	G	0.212724	-0.0018601	0.0113631	0.869973	-0.409397	0.0644267	2.09E-10	0.00454341	0.0277649	0.8700156	0.1710288	8	0.97612159
ENSG00000228412	6	RP4-625H18.2	19802395	rs73378506	6	19819987	C	T	0.127237	0.0132635	0.0132303	0.316097	0.527724	0.089314	3.45E-09	0.0251334	0.0254288	0.3229647	0.1720574	7	0.78663392
ENSG00000124532	6	MRS2	24403153	rs793688	6	24431414	C	T	0.656064	0.0154324	0.00822002	0.0604603	-0.478052	0.070707	1.37E-11	-0.0322818	0.0178454	0.07045582	0.5268746	7	0.55697839
ENSG00000112308	6	C6orf62	24705089	rs17491647	6	24713723	C	A	0.149105	0.00780452	0.0102038	0.444352	0.33621	0.0589479	1.17E-08	0.0232132	0.0306212	0.4484044	0.8466232	5	0.85482403
ENSG00000168405	6	CMAHP	25081548	rs2394363	6	25070345	G	A	0.759443	-0.0036674	0.0105994	0.729342	-0.353029	0.0496671	1.18E-12	0.0103884	0.0300597	0.7296483	0.5630812	20	0.92882498
ENSG00000272462	6	U91328.19	25992890	rs10484432	6	26008876	A	G	0.210736	0.00816535	0.00927394	0.378609	-0.537026	0.0720713	9.24E-14	-0.0152048	0.0173892	0.381912	0.1415636	20	0.81183661
ENSG00000186470	6	BTN3A2	26365387	rs9393703	6	26356951	C	T	0.112326	-0.0691409	0.0145391	1.98E-06	-1.04398	0.116865	4.14E-19	0.0662282	0.015777	2.70E-05	0.02356392	20	0.05598591
ENSG00000181315	6	ZNF322	26636518	rs9461288	6	26671135	C	T	0.377734	0.0164744	0.00843058	0.0506862	-0.412699	0.0568865	4.02E-13	-0.0399187	0.021156	0.05917735	0.00990007	13	0.54438791
ENSG00000124613	6	ZNF391	27342394	rs10946930	6	27455947	C	T	0.757455	-0.0129787	0.00838998	0.12188	0.346478	0.0634386	4.72E-08	-0.0374589	0.0251676	0.1366509	0.00401247	8	0.64900038
ENSG00000219392	6	RP1-265C24.5	28083406	rs149900	6	28014597	T	C	0.193837	-0.0411149	0.0111467	0.00022556	-0.47793	0.0669641	9.53E-13	0.086027	0.0262534	0.00104994	0.2791972	20	0.1592668
ENSG00000198315	6	ZKSCAN8	28109688	rs9295762	6	28155418	C	T	0.213718	-0.0382721	0.009898	0.00011034	-0.253358	0.0399802	2.34E-10	0.151059	0.0457654	0.00096432	0.218988	18	0.1592668
ENSG00000216901	6	AL022393.7	28143966	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	1.09153	0.0907588	2.57E-33	-0.0199695	0.00824162	0.01539266	0.00021954	20	0.35786984
ENSG00000197062	6	RP5-874C20.3	28234788	rs2394049	6	28239681	G	A	0.403579	-0.0294714	0.00853373	0.00055333	-0.452949	0.0691178	5.63E-11	0.0650656	0.0212965	0.00224886	0.5201773	20	0.16877208
ENSG00000235109	6	ZSCAN31	28292470	rs213238	6	28321993	C	T	0.363817	-0.0286459	0.0086988	0.00099092	0.820552	0.088892	2.68E-20	-0.0349105	0.0112556	0.00192461	0.3674947	20	0.16655852
ENSG00000235821	6	IFITM4P	29718506	rs1610736	6	29718544	T	C	0.538767	0.00010528	0.0081844	0.989737	-0.607853	0.102529	3.06E-09	-0.0001732	0.0134645	0.989737	0.3830189	20	0.99513674
ENSG00000181126	6	HLA-V	29758731	rs73410518	6	29955774	C	T	0.0447316	0.0133834	0.0245558	0.58574	1.37906	0.202499	9.75E-12	0.00970473	0.0178631	0.586935	0.6169435	20	0.90082611
ENSG00000176998	6	HCG4	29758816	rs1737003	6	29762307	A	T	0.301193	-0.0048264	0.00951105	0.611836	-0.750646	0.0999653	5.96E-14	0.00642969	0.0126994	0.6126466	0.516613	20	0.90825624
ENSG00000230521	6	HCG4P7	29855071	rs9260639	6	29923423	T	C	0.159046	-0.0013595	0.0121516	0.910922	-0.813722	0.121866	2.44E-11	0.00167068	0.0149355	0.9109343	0.09901439	20	0.97758476
ENSG00000206341	6	HLA-H	29855350	rs3128906	6	29829596	G	A	0.762425	0.00719266	0.00846879	0.395706	0.702821	0.111507	2.92E-10	0.010234	0.0121586	0.3999522	0.1586302	20	0.82085051
ENSG00000230795	6	HLA-K	29894236	rs1611713	6	29829251	C	A	0.242545	-0.0236446	0.0103536	0.0223888	-0.868642	0.105658	2.01E-16	0.0272202	0.0123706	0.0277791	0.1246786	20	0.4273866
ENSG00000235290	6	HLA-W	29924373	rs17179851	6	29924440	C	T	0.130219	-0.0133705	0.0135074	0.32224	0.874902	0.150336	5.90E-09	-0.0152823	0.0156605	0.3291391	0.7139754	13	0.79306486
ENSG00000204623	6	ZNRD1-AS1	29968788	rs9261244	6	30018015	A	G	0.472167	-0.0091034	0.00806904	0.25924	-0.359556	0.0583339	7.10E-10	0.0253185	0.0228145	0.2671053	0.528589	9	0.75505733
ENSG00000237669	6	HCG4P3	29973898	rs6902691	6	29983298	T	C	0.0954274	0.0157734	0.0180419	0.381976	-0.900393	0.139579	1.11E-10	-0.0175184	0.020221	0.3863012	0.9944895	20	0.81195453
ENSG00000204622	6	HLA-J	29974360	rs9260417	6	29919023	T	G	0.548708	0.00928899	0.00813391	0.253451	0.635683	0.101723	4.13E-10	0.0146126	0.0130075	0.2612663	0.6278908	20	0.75505733
ENSG00000204618	6	RNF39	30038043	rs2246198	6	29945602	A	G	0.131213	0.0144331	0.0175515	0.41089	0.622906	0.106919	5.68E-09	0.0231706	0.0284561	0.4154975	0.8264288	20	0.83785273
ENSG00000270604	6	HCG17	30201816	rs12174306	6	30223250	T	C	0.0178926	0.0126448	0.0180302	0.483109	1.90212	0.327835	6.55E-09	0.00664774	0.009548	0.4862757	0.1153461	4	0.8595034
ENSG00000231074	6	HCG18	30255174	rs2516698	6	30232374	A	G	0.055666	0.0583276	0.0481725	0.225969	0.752651	0.128339	4.50E-09	0.0774962	0.0653537	0.2357022	0.0639213	4	0.73933633
ENSG00000137312	6	FLOT1	30695486	rs9501029	6	30697740	G	A	0.0526839	0.0203963	0.028373	0.472226	-0.384682	0.0690263	2.50E-08	-0.0530212	0.0743681	0.4758729	0.551276	4	0.8574394
ENSG00000228022	6	HCG20	30734602	rs7740474	6	30760948	G	A	0.431412	0.00283087	0.0086631	0.743839	-0.712083	0.107639	3.70E-11	-0.0039755	0.0121807	0.7441403	0.01772927	5	0.93221202
ENSG00000137411	6	VARS2	30876019	rs2532930	6	30895725	A	G	0.355865	-0.0097844	0.00827999	0.237326	0.629201	0.0699715	2.42E-19	-0.0155506	0.0132727	0.2413481	0.07056064	18	0.74413587
ENSG00000204540	6	PSORS1C1	31082527	rs3095300	6	31082476	T	C	0.181909	-0.0311458	0.0116549	0.00753234	-0.893802	0.126389	1.53E-12	0.0348464	0.0139396	0.01242613	0.7316979	20	0.32669711
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	0.876767	0.128591	9.21E-12	0.0033428	0.0127148	0.7926222	0.9815061	17	0.94831585
ENSG00000204531	6	POU5F1	31132119	rs2233962	6	31080981	C	T	0.17992	0.00289273	0.0112559	0.797181	-0.799109	0.119265	2.08E-11	-0.0036199	0.0140959	0.797327	0.9812462	20	0.94980484
ENSG00000206344	6	HCG27	31165537	rs9263850	6	31156188	G	A	0.337972	0.0010663	0.00817712	0.89625	0.588632	0.0891256	3.99E-11	0.00181149	0.0138944	0.8962697	0.3583955	20	0.97758476
ENSG00000204525	6	HLA-C	31236526	rs2524091	6	31240293	T	C	0.72664	0.0222535	0.00883891	0.0118133	-0.725529	0.0715488	3.66E-24	-0.0306721	0.0125526	0.01454609	0.138788	20	0.35786984
ENSG00000272221	6	Xbac-BPG181B23.	31362066	rs6906175	6	31371101	C	G	0.295229	-0.0058987	0.00871132	0.498325	-0.886097	0.106907	1.15E-16	0.00665691	0.00986387	0.4997529	0.1527802	20	0.86624602
ENSG00000204520	6	MICA	31371356	rs9266814	6	31381458	T	C	0.300199	-0.0115419	0.00863167	0.181171	-0.748889	0.078798	2.02E-21	0.015412	0.0116395	0.1854646	0.1184477	20	0.69282369
ENSG00000204516	6	MICB	31462658	rs2516408	6	31463491	A	G	0.261431	-0.0049396	0.00881759	0.575343	0.437878	0.0779338	1.93E-08	-0.0112808	0.0202369	0.5772298	0.927105	6	0.90007051
ENSG00000204463	6	BAG6	31606805	rs2844462	6	31651247	A	G	0.0477137	0.0166426	0.0270633	0.538587	0.774818	0.124342	4.63E-10	0.0214794	0.0350983	0.5405523	0.1345156	11	0.88454878
ENSG00000240053	6	LY6G5B	31637944	rs2763981	6	31840021	A	T	0.752485	0.0103627	0.00919509	0.259749	-0.308523	0.0519985	2.97E-09	-0.0335881	0.0303364	0.2682133	0.00135932	7	0.75505733
ENSG00000204428	6	LY6G5C	31644461	rs4569	6	31637807	T	C	0.295229	-0.0200851	0.0082797	0.0152736	-0.761689	0.0988868	1.33E-14	0.0263692	0.0113965	0.02067915	0.09034736	12	0.38925469
ENSG00000204351	6	SKIV2L	31926857	rs389512	6	31947594	C	G	0.141153	0.0286202	0.0154248	0.0635287	0.643518	0.075898	2.28E-17	0.0444746	0.0245367	0.06989787	0.1477893	14	0.55697839
ENSG00000244731	6	C4A	31949801	rs558702	6	31870326	A	G	0.0735586	-0.0394935	0.0141217	0.00516357	-0.884733	0.128786	6.43E-12	0.0446389	0.0172335	0.00959082	0.153149	20	0.30239181
ENSG00000204338	6	CYP21A1P	31973413	rs4711286	6	32071637	C	T	0.446322	0.0165491	0.00810065	0.0410592	0.60976	0.0947508	1.23E-10	0.0271404	0.0139383	0.05151373	0.3341943	20	0.52706412
ENSG00000250535	6	STK19P	31981047	rs12197599	6	32127019	T	C	0.026839	-0.0360934	0.0228903	0.114842	1.91231	0.316481	1.52E-09	-0.0188742	0.0123708	0.1270831	0.333507	20	0.64900038
ENSG00000213676	6	ATF6B	32065953	rs4713506	6	32113980	A	G	0.2833	0.0243258	0.00845727	0.00402337	0.473808	0.0609882	7.92E-15	0.0513411	0.0190337	0.00698873	0.2588924	19	0.26880734
ENSG00000204301	6	NOTCH4	32162620	rs3130294	6	32178773	C	T	0.482107	2.94E-05	0.0080691	0.997092	-0.341156	0.0475382	7.15E-13	-8.62E-05	0.0236522	0.9970917	0.3993077	13	0.9981642
ENSG00000198502	6	HLA-DRB5	32485120	rs35083819	6	32526526	G	A	0.852883	-0.0208016	0.0113742	0.0674249	-1.19202	0.102149	1.83E-31	0.0174507	0.00965842	0.07079552	0.5975555	20	0.55697839
ENSG00000229391	6	HLA-DRB6	32520490	rs4587163	6	32593167	T	C	0.348907	-0.0016241	0.00894358	0.855898	0.855712	0.0832595	8.89E-25	-0.001898	0.0104533	0.8559201	0.99999	20	0.97499228
ENSG00000196126	6	HLA-DRB1	32546546	rs71549254	6	32501887	G	A	0.305169	-0.0069603	0.00978036	0.476673	-0.328046	0.0515736	2.01E-10	0.0212175	0.03	0.4794105	0.9999342	20	0.8574394
ENSG00000196735	6	HLA-DQA1	32595956	rs71549254	6	32501887	G	A	0.305169	-0.0069603	0.00978036	0.476673	-0.327688	0.0544168	1.72E-09	0.0212407	0.0300543	0.4797246	0.9828178	20	0.8574394
ENSG00000179344	6	HLA-DQB1	32627244	rs9273404	6	32627160	G	A	0.460239	-0.0055557	0.00807149	0.49126	-0.801535	0.0682927	8.26E-32	0.00693128	0.0100873	0.4920033	1	20	0.86454387
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs9274639	6	32636146	C	T	0.727634	-0.0266078	0.0089412	0.00292166	-0.702757	0.0956735	2.05E-13	0.037862	0.0137275	0.00581366	0.01726591	20	0.2655399
ENSG00000237541	6	HLA-DQA2	32709119	rs9272350	6	32604410	A	T	0.54672	-0.005392	0.00808014	0.504567	0.84513	0.086932	2.44E-22	-0.0063801	0.00958332	0.5055686	0.04663858	20	0.87207559
ENSG00000232629	6	HLA-DQB2	32723875	rs17843611	6	32620531	C	T	0.411531	-0.006153	0.008099	0.447419	0.865017	0.0825244	1.05E-25	-0.0071132	0.00938738	0.4486077	0.9999965	20	0.85482403
ENSG00000241106	6	HLA-DOB	32780540	rs2071473	6	32782605	T	C	0.385686	-0.0082523	0.00807159	0.306597	-0.902148	0.102993	1.96E-18	0.00914739	0.00900782	0.3098702	0.06493257	20	0.77917725
ENSG00000204257	6	HLA-DMA	32916390	rs73409691	6	32963948	T	G	0.0516899	-0.0240632	0.0157567	0.126717	0.665184	0.0891653	8.64E-14	-0.0361753	0.024179	0.1346159	0.7614804	19	0.64900038
ENSG00000224557	6	HLA-DPB2	33080228	rs3129253	6	33108299	G	A	0.232604	0.0127047	0.00967269	0.189027	0.572043	0.101269	1.62E-08	0.0222093	0.0173601	0.2007804	0.03077098	4	0.71163975
ENSG00000230313	6	HCG24	33112560	rs4711318	6	33090336	A	G	0.359841	0.0210102	0.0083012	0.0113744	0.400442	0.0681575	4.22E-09	0.0524675	0.0225718	0.02010025	0.08592306	7	0.38925469
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.673731	0.0732493	3.65E-20	-0.0147558	0.0266037	0.5791322	0.5673942	8	0.90007051
ENSG00000030110	6	BAK1	33540329	rs511515	6	33541507	G	A	0.722664	0.00964141	0.00975438	0.322948	-0.494292	0.0780452	2.40E-10	-0.0195055	0.0199729	0.3287687	0.4876122	4	0.79306486
ENSG00000196821	6	C6orf106	34555065	rs2814973	6	34569720	T	C	0.127237	-0.0192856	0.00999807	0.0537391	0.325611	0.0417246	6.01E-15	-0.059229	0.0316297	0.06112697	0.5562784	11	0.54438791
ENSG00000124562	6	SNRPC	34725183	rs6457788	6	34721067	A	G	0.335984	-0.0087973	0.00857095	0.3047	-0.39633	0.0518996	2.23E-14	0.0221968	0.0218203	0.3090313	0.01798475	9	0.77917725
ENSG00000112041	6	TULP1	35465651	rs2273003	6	35479876	G	C	0.747515	-0.0012973	0.00955532	0.892003	-0.630869	0.081298	8.50E-15	0.0020564	0.0151486	0.89202	0.2173685	16	0.97758476
ENSG00000112053	6	SLC26A8	35911291	rs6928439	6	35976988	C	T	0.399602	-0.0155568	0.00818601	0.0573786	-0.392014	0.0583869	1.89E-11	0.0396843	0.0217023	0.06746339	0.4051023	4	0.55697839
ENSG00000246982	6	RP1-179N16.6	36114475	rs2859141	6	36099760	C	A	0.638171	-0.016442	0.00927329	0.0762202	-0.582839	0.0900049	9.44E-11	0.0282102	0.0164962	0.0872463	0.05746386	7	0.60403522
ENSG00000164530	6	PI16	36922209	rs4711475	6	36916019	C	T	0.452286	0.00912761	0.00828611	0.270655	0.451126	0.0631665	9.21E-13	0.020233	0.0185848	0.2762942	0.02104123	18	0.75867672
ENSG00000161912	6	ADCY10P1	41068761	rs6900152	6	41068706	T	G	0.148111	0.0022349	0.012848	0.861906	0.55368	0.0690767	1.10E-15	0.00403645	0.0232102	0.8619375	0.5873264	13	0.97612159
ENSG00000112599	6	GUCA1B	42152139	rs9369344	6	42131739	A	G	0.689861	0.00889983	0.00948044	0.347855	0.512903	0.0876216	4.81E-09	0.0173519	0.0187201	0.3539717	0.1526078	5	0.80906288
ENSG00000112619	6	PRPH2	42664340	rs13214506	6	42672574	A	G	0.256461	-0.011786	0.00938047	0.208955	0.560193	0.0743316	4.83E-14	-0.0210392	0.0169762	0.2152214	0.129829	17	0.72409396
ENSG00000124713	6	GNMT	42928496	rs2296804	6	42931261	G	C	0.588469	0.00247486	0.00811008	0.760246	-1.11217	0.0895781	2.15E-35	-0.0022253	0.00729433	0.7603156	0.7270097	20	0.93911056
ENSG00000124587	6	PEX6	42931608	rs9986447	6	42942779	G	A	0.459245	-0.0003573	0.00832962	0.965787	0.679757	0.0624922	1.48E-27	-0.0005256	0.0122539	0.9657871	0.8956024	20	0.99015808
ENSG00000196284	6	SUPT3H	44777054	rs12208523	6	45058828	T	C	0.260437	0.00029602	0.00921893	0.974385	0.537246	0.0965771	2.65E-08	0.00055099	0.0171599	0.9743851	0.190865	13	0.99169992
ENSG00000124813	6	RUNX2	45295894	rs13208741	6	45461253	A	G	0.295229	0.00574849	0.00915462	0.530048	-0.438688	0.0689568	1.99E-10	-0.0131038	0.0209696	0.5320389	0.2288729	8	0.88257879
ENSG00000231769	6	RP1-8B1.4	46064830	rs3734208	6	46097758	G	C	0.672962	0.0283958	0.00898363	0.00157315	-0.458055	0.0766832	2.32E-09	-0.0619921	0.0221891	0.0052092	0.8044847	6	0.2638903
ENSG00000112796	6	ENPP5	46126924	rs6921826	6	46050368	C	G	0.612326	0.0248701	0.00816105	0.00230818	-0.256102	0.045884	2.38E-08	-0.0971101	0.0363067	0.00747926	0.5859876	8	0.28244421
ENSG00000153291	6	SLC25A27	46620678	rs7739815	6	46624656	T	A	0.277336	0.024144	0.0089331	0.00687686	0.820942	0.0749458	6.37E-28	0.0294101	0.0112079	0.00868887	0.8505004	20	0.2913901
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.641312	0.0668266	8.26E-22	-0.0367334	0.014432	0.0109193	0.6181551	19	0.30239181
ENSG00000031691	6	CENPQ	49431091	rs2501962	6	49453636	A	T	0.666998	-0.0030467	0.00831338	0.714011	0.435492	0.0519379	5.08E-17	-0.0069959	0.0191079	0.7142711	0.4528485	20	0.92829712
ENSG00000216775	6	RP1-152L7.5	52529946	rs1000809	6	52535274	G	A	0.715706	0.010485	0.00889174	0.238324	-0.67888	0.105852	1.42E-10	-0.0154446	0.0133172	0.2461527	0.2102792	7	0.74596735
ENSG00000001084	6	GCLC	53362139	rs600033	6	53382370	C	G	0.431412	-0.0010653	0.00808389	0.895155	-0.187016	0.0339829	3.73E-08	0.00569646	0.0432381	0.8951848	0.3958502	7	0.97758476
ENSG00000151917	6	BEND6	56819773	rs7741507	6	56841070	A	T	0.754473	-0.0011455	0.0086821	0.89503	0.332009	0.0390307	1.79E-17	-0.0034503	0.0261533	0.8950431	0.4425631	17	0.97758476
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs6915273	6	58283185	T	C	0.373757	-0.0078325	0.00860069	0.362463	-0.418964	0.0663408	2.70E-10	0.0186949	0.0207408	0.3673978	0.3998847	5	0.81024032
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs2398021	6	58174266	T	C	0.7167	0.0019954	0.00875606	0.819733	0.478755	0.0587041	3.48E-16	0.00416789	0.0182964	0.8198025	0.8243909	20	0.95874425
ENSG00000239650	6	GUSBP4	58246051	rs2146166	6	58290665	G	T	0.715706	0.00126463	0.00870951	0.884552	0.489388	0.0752807	7.99E-11	0.00258411	0.0178012	0.8845807	0.9603295	8	0.97758476
ENSG00000215190	6	LINC00680	58272352	rs2398021	6	58174266	T	C	0.7167	0.0019954	0.00875606	0.819733	-0.949169	0.0870995	1.18E-27	-0.0021023	0.00922699	0.8197721	0.9689168	20	0.95874425
ENSG00000154079	6	C6orf57	71276620	rs34378057	6	71307075	C	T	0.384692	-0.0089852	0.00815942	0.270806	-0.310912	0.0482606	1.18E-10	0.0288996	0.0266241	0.2777158	0.6075603	12	0.75867672
ENSG00000271967	6	RP11-134K13.4	71306141	rs9446273	6	71301264	C	T	0.428429	-0.0090692	0.00808536	0.261996	-0.354946	0.0617779	9.16E-09	0.025551	0.0232092	0.2709394	0.944208	4	0.75739049
ENSG00000234882	6	EIF3EP1	74001685	rs62411447	6	73959107	T	C	0.0765408	-0.0104324	0.0125714	0.406626	0.464655	0.0826299	1.87E-08	-0.0224519	0.0273484	0.4116687	0.6163056	6	0.83492002
ENSG00000083123	6	BCKDHB	80816364	rs1042367	6	81054663	G	C	0.822068	0.0310023	0.0102098	0.00239321	-0.35831	0.0590535	1.30E-09	-0.0865237	0.0318634	0.00661844	0.2164566	8	0.2655399
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.687149	0.0488856	7.05E-45	0.0457806	0.0121494	0.00016447	0.4161208	20	0.1592668
ENSG00000111850	6	SMIM8	88032301	rs7745870	6	88069268	T	C	0.114314	0.00879337	0.0121117	0.467823	0.468992	0.0716705	6.00E-11	0.0187495	0.0259834	0.4705435	0.445741	9	0.8574394
ENSG00000083099	6	LYRM2	90277863	rs2768938	6	90436943	G	A	0.2167	-0.0142827	0.00958849	0.136338	0.519658	0.0653311	1.80E-15	-0.0274848	0.0187723	0.1431623	0.9552686	16	0.65416846
ENSG00000123545	6	NDUFAF4	97337189	rs850434	6	97235564	C	T	0.144135	0.0170135	0.0118791	0.152081	0.271215	0.0480799	1.69E-08	0.0627307	0.0451893	0.1650834	0.2932019	6	0.67262324
ENSG00000228506	6	RP11-98I9.4	99872798	rs4840044	6	99888013	G	A	0.493042	-0.0012041	0.00807225	0.881422	0.81297	0.0831668	1.44E-22	-0.0014811	0.00993049	0.8814359	0.2002791	16	0.97758476
ENSG00000219755	6	RP1-199J3.5	100023588	rs76480459	6	99893102	C	T	0.189861	-0.0081415	0.00887511	0.358962	-1.03452	0.14344	5.50E-13	0.00786986	0.00864808	0.3628159	0.9023046	19	0.80906288
ENSG00000130348	6	QRSL1	107077453	rs2054365	6	107077502	A	G	0.383698	-0.0065645	0.00831098	0.429614	-0.707725	0.0759225	1.15E-20	0.00927542	0.0117853	0.4312629	0.82506	20	0.85064866
ENSG00000229654	6	RP1-60O19.2	107143410	rs55657197	6	107144265	T	C	0.161034	0.0158274	0.010585	0.134843	-0.632567	0.115843	4.75E-08	-0.0250209	0.0173494	0.149253	0.877913	6	0.65648756
ENSG00000155085	6	AK9	109814059	rs13201430	6	109956050	T	C	0.423459	-0.0179619	0.00807438	0.0261114	-0.409927	0.0553893	1.35E-13	0.0438173	0.0205677	0.03313896	0.2894756	20	0.44649522
ENSG00000203797	6	DDO	110712974	rs4945862	6	110737115	A	G	0.373757	-0.0083867	0.00812419	0.301926	0.354215	0.0626665	1.58E-08	-0.0236769	0.0233151	0.3098605	0.2117562	3	0.77917725
ENSG00000255389	6	C6orf3	111921078	rs33980500	6	111913262	T	C	0.0854871	-0.0202939	0.0155369	0.191493	-1.08064	0.117416	3.46E-20	0.0187795	0.0145216	0.1959365	0.8863288	14	0.70411091
ENSG00000203778	6	FAM229B	112408802	rs6940134	6	112417353	A	G	0.499006	0.00213896	0.0081114	0.792012	0.382136	0.0604342	2.56E-10	0.00559738	0.0212449	0.7921891	0.05236496	5	0.94831585
ENSG00000188820	6	FAM26F	116782533	rs117361304	6	116783619	G	T	0.0914513	0.0182928	0.012437	0.141336	-0.815408	0.140432	6.38E-09	-0.0224339	0.0157342	0.1539251	0.9858961	4	0.66242711
ENSG00000237742	6	RP11-624M8.1	125899704	rs3757217	6	126069636	C	G	0.5	-0.0045465	0.00805708	0.57256	-0.45036	0.0822795	4.41E-08	0.0100952	0.0179851	0.5745862	0.3481566	12	0.90007051
ENSG00000203756	6	TMEM244	130152389	rs1480514	6	130166123	T	C	0.454274	0.00543094	0.00826983	0.511363	0.582175	0.0872048	2.46E-11	0.00932871	0.0142736	0.5133936	0.6579659	20	0.87396207
ENSG00000118514	6	ALDH8A1	135238528	rs4895439	6	135318854	T	A	0.491054	0.00126069	0.00813742	0.87688	-0.724282	0.0633579	2.91E-30	-0.0017406	0.0112362	0.8768916	0.5294786	20	0.97751185
ENSG00000112339	6	HBS1L	135281516	rs9321481	6	135352648	C	G	0.496024	0.00346172	0.00830474	0.676798	-0.539617	0.0468422	1.05E-30	-0.0064151	0.0154001	0.6769973	0.5515298	20	0.91998176
ENSG00000232876	6	CTA-212D2.2	135376171	rs2150681	6	135375232	T	C	0.488072	0.00134071	0.00813798	0.869143	-0.689501	0.103449	2.64E-11	-0.0019445	0.0118063	0.8691825	0.4794717	18	0.97612159
ENSG00000135541	6	AHI1	135604670	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.458451	0.0609398	5.35E-14	-0.0097176	0.0228423	0.6705286	0.6801444	12	0.91912703
ENSG00000112357	6	PEX7	137143717	rs13218636	6	137195182	A	G	0.0984095	-0.0137495	0.0133784	0.304072	-0.587916	0.096699	1.20E-09	0.0233868	0.0230785	0.310887	0.00660474	7	0.78009311
ENSG00000112378	6	PERP	138409642	rs1334705	6	138443794	T	C	0.384692	0.00218258	0.00815233	0.788911	-0.347343	0.0598105	6.35E-09	-0.0062836	0.0234955	0.7891299	0.3601848	7	0.94831585
ENSG00000225177	6	RP11-390P2.4	139013685	rs1129180	6	139018132	G	A	0.22167	-0.0077603	0.0102507	0.449023	0.619805	0.0850638	3.18E-13	-0.0125205	0.0166276	0.4514527	0.721388	11	0.8574394
ENSG00000234147	6	RP3-460G2.2	141167095	rs12202530	6	141198494	G	A	0.361829	0.00911371	0.00843032	0.279669	0.639857	0.0875614	2.72E-13	0.0142434	0.0133187	0.2848786	0.9629116	20	0.76194063
ENSG00000009844	6	VTA1	142468367	rs1835	6	142541769	T	A	0.0815109	-0.0122501	0.013254	0.355352	0.361611	0.062573	7.51E-09	-0.0338765	0.0371184	0.3614223	0.3991668	7	0.80906288
ENSG00000235652	6	RP11-545I5.3	146136048	rs62435775	6	146136415	C	G	0.333002	0.00280221	0.00827967	0.735028	0.474285	0.0754464	3.25E-10	0.00590828	0.0174824	0.7353969	0.7608568	13	0.93184086
ENSG00000228408	6	RP1-111D6.3	149539062	rs9404018	6	149532486	C	T	0.303181	-0.009263	0.00920102	0.31406	0.695732	0.0841385	1.35E-16	-0.0133141	0.0133226	0.3176204	0.6642357	5	0.78445129
ENSG00000055211	6	GINM1	149887430	rs9322203	6	149955366	G	A	0.329026	0.00888838	0.00847601	0.294338	-0.298322	0.0503174	3.05E-09	-0.0297946	0.0288533	0.3017802	0.3266052	8	0.77854243
ENSG00000231760	6	RP11-350J20.5	150117711	rs9478848	6	150146216	T	G	0.369781	0.0109912	0.00828685	0.184726	0.73003	0.102212	9.18E-13	0.0150558	0.0115455	0.1922173	0.478246	15	0.69796387
ENSG00000268592	6	RP11-244K5.8	150183733	rs9383921	6	150210685	T	C	0.417495	0.00847312	0.00816194	0.299211	0.550669	0.0983592	2.16E-08	0.015387	0.0150745	0.3073843	0.5951813	3	0.77917725
ENSG00000203722	6	RAET1G	150238014	rs7758033	6	150208135	C	T	0.419483	0.00845626	0.00816205	0.30018	0.60754	0.108354	2.06E-08	0.0139189	0.013662	0.308298	0.5626753	5	0.77917725
ENSG00000112031	6	MTRF1L	153308497	rs567425	6	153335954	A	C	0.695825	0.0290453	0.0090193	0.00128032	-0.751433	0.0734598	1.47E-24	-0.0386532	0.0125836	0.00212827	0.01690473	14	0.16877208
ENSG00000235381	6	RP11-477D19.2	155574273	rs13220615	6	155587709	G	T	0.572565	0.00981079	0.00811047	0.226415	-0.502761	0.0776796	9.66E-11	-0.0195138	0.0164112	0.2344176	0.8248995	7	0.7378013
ENSG00000146433	6	TMEM181	158957468	rs4709221	6	159007004	G	A	0.703777	0.019077	0.00819362	0.0198971	-0.349926	0.0636778	3.90E-08	-0.0545172	0.0254303	0.03204935	0.1587821	6	0.44074897
ENSG00000120438	6	TCP1	160199530	rs11757783	6	160225463	T	G	0.510934	-0.0007038	0.008126	0.930983	-0.239283	0.042075	1.29E-08	0.0029412	0.0339637	0.930991	0.9200285	5	0.98757319
ENSG00000146453	6	PNLDC1	160221298	rs35872675	6	160229889	C	T	0.511928	0.0003899	0.00815479	0.961866	-0.709942	0.0857353	1.23E-16	-0.0005492	0.0114867	0.9618663	0.6825007	10	0.98990046
ENSG00000235994	6	RP3-470B24.5	168376604	rs225755	6	168420221	G	C	0.522863	-0.0048362	0.00847723	0.568346	0.767738	0.097994	4.71E-15	-0.0062992	0.0110711	0.5693685	0.1550998	20	0.90007051
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.863833	0.0961536	2.61E-19	-0.0083974	0.00969952	0.3866264	0.1763218	20	0.81195453
ENSG00000125337	6	KIF25	168396921	rs3778670	6	168400266	T	C	0.149105	0.0202577	0.0103974	0.0513748	1.12288	0.157101	8.84E-13	0.0180408	0.00959744	0.06014136	0.1958773	20	0.54438791
ENSG00000186340	6	THBS2	169615875	rs62435217	6	169642243	A	G	0.154076	0.00211602	0.0104848	0.840059	0.501042	0.0657552	2.54E-14	0.00422324	0.0209333	0.8401144	0.717328	17	0.96617808
ENSG00000184465	6	WDR27	169857307	rs6459652	6	170065894	C	T	0.254473	0.0135163	0.0106041	0.202439	-0.366691	0.0661657	2.99E-08	-0.0368602	0.0296733	0.2141633	0.5541271	14	0.72409396
ENSG00000273100	6	RP11-302L19.3	170493905	rs78473962	6	170483740	T	C	0.414513	0.0100379	0.00810094	0.215308	0.518249	0.0796575	7.72E-11	0.0193689	0.0159123	0.2235193	0.7909514	14	0.72895982
ENSG00000197461	7	PDGFA	536895	rs9690350	7	547800	C	G	0.578529	-0.0143794	0.00856942	0.0933491	-0.280042	0.0510955	4.24E-08	0.0513473	0.0320025	0.108609	0.7585724	11	0.62987719
ENSG00000223855	7	AC147651.3	560028	rs9801322	7	564240	G	A	0.175944	0.00829487	0.0105012	0.429588	1.26903	0.112663	1.98E-29	0.00653639	0.0082953	0.4307188	0.4171692	11	0.85064866
ENSG00000146540	7	C7orf50	1036622	rs56097140	7	1048183	A	G	0.0765408	-0.0174355	0.0156536	0.265351	0.531973	0.0680277	5.28E-15	-0.0327752	0.0297225	0.2701558	0.6341612	15	0.75621779
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.23059	0.0850903	2.10E-47	-0.0058371	0.00683578	0.3931555	0.821135	20	0.8151458
ENSG00000164880	7	INTS1	1509913	rs3752714	7	1542697	A	G	0.464215	0.00563973	0.00806126	0.484171	-0.405336	0.0485549	6.94E-17	-0.0139137	0.0199576	0.4856995	0.5504827	18	0.85928268
ENSG00000230487	7	PSMG3-AS1	1609709	rs7458089	7	1628951	G	A	0.111332	-0.0016662	0.0107915	0.877297	-0.493601	0.0775553	1.96E-10	0.00337556	0.0218692	0.8773322	0.9895348	5	0.97751185
ENSG00000122687	7	FTSJ2	2273866	rs7799006	7	2278226	T	C	0.342942	-0.0027837	0.00878112	0.751239	0.45757	0.057258	1.33E-15	-0.0060836	0.0192059	0.7514279	0.3265276	20	0.93344243

ENSG00000174945	7	AMZ1	2719156	rs10257934	7	2749790	T	G	0.724652	0.0212553	0.00871682	0.0147513	0.48943	0.0780935	3.68E-10	0.0434287	0.0191107	0.02305757	0.03252539	13	0.40585231
ENSG00000196204	7	RNF216P1	5013619	rs9639893	7	5036645	C	T	0.110338	-0.0259861	0.0154873	0.0933684	-1.02233	0.126762	7.33E-16	0.0254185	0.0154734	0.1004405	0.08770402	12	0.62987719
ENSG00000159904	7	ZNF890P	5160870	rs10247183	7	5904770	T	A	0.503976	0.00239009	0.00809597	0.767826	0.449709	0.0688058	6.32E-11	0.00531475	0.018021	0.7680557	0.3957851	11	0.94048369
ENSG00000122674	7	CCZ1	5938356	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	0.786455	0.10077	5.98E-15	-0.0070894	0.0105068	0.49984	0.6344047	12	0.86624602
ENSG00000136238	7	RAC1	6414154	rs836550	7	6440437	G	A	0.402584	0.00423688	0.00806517	0.599353	0.364922	0.0506117	5.59E-13	0.0116104	0.0221597	0.6003191	0.4264598	20	0.90240315
ENSG00000187953	7	PMS2CL	6749759	rs2228006	7	6026775	C	T	0.87674	0.0117834	0.011121	0.289344	0.748906	0.124894	2.02E-09	0.0157342	0.0150797	0.2967636	0.2140705	12	0.77811352
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.792153	0.09473	6.16E-17	0.0070384	0.0104262	0.4996333	0.6924531	13	0.86624602
ENSG00000106392	7	C1GALT1	7196565	rs10246303	7	7286445	T	A	0.439364	-0.0051191	0.00807606	0.526172	0.371724	0.0405277	4.64E-20	-0.0137712	0.0217778	0.5271571	0.2337885	20	0.87944201
ENSG00000215018	7	COL28A1	7395834	rs11771272	7	7643041	G	C	0.689861	0.0141467	0.00865882	0.102302	0.477317	0.0570293	5.78E-17	0.029638	0.018483	0.1088186	0.1929667	20	0.62987719
ENSG00000272732	7	RP5-1159O4.2	7589735	rs2051910	7	7647188	T	C	0.970179	-0.0241895	0.035087	0.490562	0.911401	0.164366	2.94E-08	-0.026541	0.0387943	0.4938822	0.1289369	9	0.86491849
ENSG00000146530	7	VWDE	12370511	rs13247878	7	12406186	A	G	0.427435	0.00256789	0.00808804	0.75087	0.404437	0.0681704	2.98E-09	0.0063493	0.0200269	0.7512143	0.5432849	10	0.93344243
ENSG00000187546	7	AGMO	15239943	rs35863855	7	15233770	G	T	0.229622	0.0074982	0.00881442	0.39495	-0.536049	0.0968657	3.13E-08	-0.0139879	0.0166365	0.4004609	0.2794321	9	0.82108321
ENSG00000237773	7	AC003075.4	17319458	rs138250592	7	17301557	T	G	0.0149105	-0.0727337	0.0391145	0.062955	2.50585	0.322712	8.17E-15	-0.0290256	0.0160506	0.07054786	0.02869234	10	0.55697839
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-1.11005	0.149029	9.44E-14	0.029571	0.0174489	0.09012763	0.00370067	7	0.60971023
ENSG00000196683	7	TOMM7	22852251	rs10276099	7	22862950	A	G	0.331014	-0.0024448	0.00824412	0.766814	-0.253735	0.0447491	1.43E-08	0.00963505	0.0325355	0.7671232	0.6895784	6	0.94048369
ENSG00000230658	7	KLHL7-AS1	23140847	rs6978827	7	23125544	T	A	0.346918	-0.0024125	0.00867972	0.781057	1.21398	0.089044	2.53E-42	-0.0019872	0.00715129	0.781102	0.1709316	20	0.94496452
ENSG00000136243	7	NUPL2	23221446	rs6964665	7	23211352	A	G	0.335984	0.00301394	0.00888771	0.734526	-0.596677	0.070646	3.01E-17	-0.0050512	0.0149073	0.7347301	0.2329747	20	0.93184086
ENSG00000136235	7	GPNMB	23275586	rs858240	7	23284237	G	A	0.38171	0.00427775	0.00830733	0.606597	-0.659903	0.0823312	1.10E-15	-0.0064824	0.0126147	0.6073377	0.3851844	20	0.90368947
ENSG00000188732	7	FAM221A	23719749	rs4722245	7	23721573	A	G	0.482107	0.0109948	0.00810211	0.174771	0.732404	0.0674574	1.84E-27	0.0150119	0.0111484	0.1781245	0.218304	20	0.68807378
ENSG00000196335	7	STK31	23749786	rs4722245	7	23721573	A	G	0.482107	0.0109948	0.00810211	0.174771	0.522898	0.0749427	3.01E-12	0.0210267	0.015785	0.1828375	0.5483324	20	0.69024741
ENSG00000105928	7	DFNA5	24737972	rs2721811	7	24749429	G	A	0.421471	0.0296628	0.00805688	0.00023171	0.550695	0.0632007	2.95E-18	0.0538643	0.0158828	0.00069545	0.4832953	20	0.1592668
ENSG00000233760	7	AC004947.2	26591441	rs6953147	7	26581562	C	T	0.451292	-0.0014008	0.00854455	0.869779	0.679018	0.0906767	6.97E-14	-0.002063	0.0125867	0.8698105	0.0629813	18	0.97612159
ENSG00000005020	7	SKAP2	26706681	rs112979042	7	26805212	C	T	0.247515	0.00514134	0.00977361	0.598858	-0.39463	0.0690291	1.09E-08	-0.0130283	0.0248711	0.6003967	0.1318996	12	0.90240315
ENSG00000234336	7	JAZF1-AS1	28219941	rs10281102	7	28243473	G	A	0.0904573	-0.0233952	0.0152263	0.124415	-0.509289	0.0682453	8.48E-14	0.045937	0.0305243	0.1323415	0.2289159	9	0.64900038
ENSG00000106066	7	CPVL	29034847	rs7777627	7	29182273	C	T	0.38171	0.00316413	0.00820797	0.699871	-0.381605	0.0635947	1.97E-09	-0.0082916	0.0215534	0.7004584	0.2079907	4	0.92489008
ENSG00000225264	7	ZNRF2P2	29638411	rs823376	7	29651401	A	G	0.0715706	0.0223083	0.0218303	0.306831	0.889324	0.146976	1.44E-09	0.0250846	0.0248947	0.3136335	0.4336728	8	0.7815893
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-1.19891	0.0859638	3.30E-44	-0.0002843	0.00744144	0.9695212	0.1896663	20	0.99070131
ENSG00000244480	7	AC005154.7	30562759	rs975537	7	30697357	A	T	0.763419	0.00152809	0.00896245	0.864618	-0.828164	0.118334	2.59E-12	-0.0018452	0.0108253	0.8646574	0.2941784	11	0.97612159
ENSG00000154678	7	PDE1C	31790793	rs715454	7	32115042	T	C	0.214712	-0.0185111	0.00882252	0.0358905	-0.275521	0.039712	3.98E-12	0.0671858	0.0334535	0.04460759	0.896349	3	0.49499979
ENSG00000205763	7	RP9P	32956427	rs28882699	7	32984286	A	G	0.228628	-0.0057902	0.00934092	0.535337	-0.343001	0.0537509	1.76E-10	0.0168811	0.0273611	0.5372513	0.7614402	7	0.88348794
ENSG00000164610	7	RP9	33134409	rs73101892	7	32963898	A	G	0.185885	-0.0050318	0.00978013	0.606908	0.590996	0.0752614	4.08E-15	-0.0085141	0.016584	0.6076776	0.8306308	18	0.90368947
ENSG00000271122	7	RP11-379H18.1	35734824	rs702842	7	35737085	C	G	0.544732	-0.0016145	0.00806061	0.841246	0.468721	0.07223	8.62E-11	-0.0034446	0.0172052	0.8413205	0.6598582	4	0.96669002
ENSG00000227191	7	TRGC2	38279181	rs2109364	7	38280817	A	G	0.454274	0.00311533	0.00806894	0.699431	-0.828187	0.0749122	2.06E-28	-0.0037616	0.00974884	0.6996049	0.2522745	20	0.92489008
ENSG00000211688	7	TRGJP2	38295938	rs28609731	7	38317029	G	C	0.463221	0.00302546	0.00806611	0.707599	-0.70137	0.0904136	8.67E-15	-0.0043136	0.0115139	0.7079243	0.5513094	13	0.92728645
ENSG00000211689	7	TRGC1	38297480	rs2270169	7	38323398	A	G	0.457256	0.00030713	0.00808912	0.969713	-0.68746	0.0930579	1.50E-13	-0.0004468	0.0117668	0.9697139	0.8290235	13	0.99070131
ENSG00000261019	7	RP11-111K18.2	42940871	rs644106	7	42950905	T	C	0.872763	-0.0088276	0.0162307	0.58652	0.801714	0.121523	4.19E-11	-0.0110109	0.0203137	0.587787	0.3232551	9	0.90082611
ENSG00000136197	7	C7orf25	42948325	rs112043733	7	42932691	A	G	0.082505	-0.0137071	0.0228878	0.549251	0.574662	0.0901148	1.81E-10	-0.0238525	0.0400035	0.5510024	0.03507252	9	0.88899083
ENSG00000241057	7	AC004985.12	44001189	rs62458704	7	44024565	G	T	0.259443	0.0121321	0.00880076	0.16804	0.545586	0.084137	8.90E-11	0.0222368	0.0164913	0.1775311	0.2953143	9	0.68793301
ENSG00000235314	7	LINC00957	44078770	rs6957051	7	44095382	G	T	0.240557	0.00806253	0.00868691	0.353343	-0.375644	0.0570811	4.68E-11	-0.0214632	0.0233542	0.3580803	0.2757804	5	0.80906288
ENSG00000106628	7	POLD2	44154286	rs137888771	7	44182127	A	T	0.0119284	0.0571982	0.0519478	0.270866	-1.87316	0.265737	1.80E-12	-0.0305357	0.028069	0.2766487	0.9592043	5	0.75867672
ENSG00000136270	7	TBRG4	45139699	rs4553	7	45139892	A	G	0.27336	-0.017339	0.0100579	0.0847247	0.29612	0.050848	5.76E-09	-0.058554	0.0354226	0.09832809	0.9382007	3	0.62987719
ENSG00000272556	7	RP11-638I8.1	45854201	rs143980203	7	45838071	T	C	0.154076	0.0113754	0.0122003	0.351137	-0.644253	0.0781192	1.62E-16	-0.0176567	0.0190578	0.3541942	0.03510139	20	0.80906288
ENSG00000225705	7	AC004899.3	48886022	rs73108458	7	48926486	C	T	0.187873	-0.0026764	0.0105684	0.800077	0.730573	0.127255	9.41E-09	-0.0036635	0.01448	0.8002671	0.6702052	8	0.95011181
ENSG00000132436	7	FIGNL1	50511831	rs4947641	7	50489038	T	C	0.463221	0.0126146	0.00816503	0.122356	0.460053	0.0621295	1.31E-13	0.0274199	0.0181302	0.1304356	0.1189844	20	0.64900038
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.21048	0.0867559	3.03E-44	0.0108028	0.00768763	0.1599556	0.5407573	20	0.67116723
ENSG00000146729	7	GBAS	56019486	rs12669623	7	56139179	C	G	0.668986	-0.0013203	0.00934861	0.887689	-0.241989	0.0436447	2.95E-08	0.00545599	0.0386449	0.8877256	0.571017	4	0.97758476
ENSG00000146733	7	PSPH	56078744	rs34458430	7	55808805	G	A	0.235586	0.0130449	0.00925853	0.158846	0.651312	0.0772014	3.27E-17	0.0200287	0.0144121	0.1646161	0.3751146	20	0.67262324
ENSG00000106153	7	CHCHD2	56169262	rs7810142	7	55965769	A	G	0.156064	-0.003307	0.0106847	0.756934	0.268424	0.0426432	3.08E-10	-0.0123201	0.0398534	0.7572178	0.9591927	10	0.93868577
ENSG00000185290	7	NUPR1L	56182374	rs11238378	7	55827309	G	A	0.234592	0.0129146	0.00925772	0.163012	1.12028	0.0998782	3.39E-29	0.011528	0.00832742	0.1662534	0.6846022	20	0.6744303
ENSG00000173041	7	ZNF680	63980262	rs2862795	7	64023581	G	A	0.251491	0.00697311	0.00927032	0.451933	-0.397115	0.0572031	3.86E-12	-0.0175594	0.0234808	0.4545685	0.4682989	20	0.8574394
ENSG00000197008	7	ZNF138	64254766	rs6960979	7	64323479	G	A	0.49503	-0.0132628	0.00808295	0.100833	0.477584	0.0722042	3.73E-11	-0.0277706	0.0174377	0.1112578	0.8655575	20	0.62987719
ENSG00000182722	7	SEPHS1P1	64312775	rs10244479	7	64309240	T	G	0.449304	0.00852852	0.0081089	0.292915	0.507158	0.0814366	4.74E-10	0.0168163	0.0162153	0.2997067	0.6572961	20	0.77811352
ENSG00000213640	7	RP11-797H7.3	64323377	rs10949947	7	64294153	G	A	0.590457	-0.0107141	0.00820388	0.191561	-0.616212	0.0601873	1.34E-24	0.017387	0.0134213	0.1951538	0.9261964	20	0.70411091
ENSG00000152926	7	ZNF117	64432154	rs11771033	7	64900821	C	T	0.569583	0.00608208	0.00820558	0.458564	-0.360103	0.0599394	1.88E-09	-0.0168898	0.0229595	0.4619528	0.6216709	6	0.8574394
ENSG00000213462	7	ERV3-1	64451187	rs7383888	7	64478878	G	A	0.397614	-0.004428	0.00830911	0.594099	0.871183	0.0766777	6.49E-30	-0.0050827	0.00954822	0.5945042	0.8749436	20	0.90082611
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-1.02267	0.0846171	1.25E-33	-0.0051243	0.00797705	0.5206294	0.9114172	20	0.87396207
ENSG00000226002	7	RP11-460N20.5	64544481	rs10949984	7	64766993	A	G	0.382704	-0.001173	0.00847157	0.889872	1.09412	0.105557	3.57E-25	-0.0010721	0.00774351	0.8898814	0.1900349	20	0.97758476
ENSG00000164669	7	INTS4L1	64601603	rs55827206	7	64704055	A	T	0.366799	-0.0047941	0.00863903	0.578939	-0.503562	0.0730346	5.39E-12	0.00952038	0.0172113	0.5801633	0.74145	20	0.90007051
ENSG00000179406	7	LINC00174	65841031	rs35279320	7	66273221	T	C	0.0506958	-0.008476	0.0150843	0.574179	0.489019	0.085433	1.04E-08	-0.0173326	0.0309943	0.5760125	0.04926082	5	0.90007051
ENSG00000237310	7	GS1-124K5.4	65958693	rs1796218	7	66084134	G	T	0.743539	0.011332	0.00943298	0.229629	-0.608052	0.0757774	1.02E-15	-0.0186366	0.0156863	0.2348034	0.3577817	11	0.7378013
ENSG00000229180	7	GS1-124K5.11	65991075	rs1796225	7	66038363	G	C	0.630219	0.00840842	0.00821198	0.305873	0.38359	0.0685519	2.20E-08	0.0219203	0.0217637	0.3138399	0.4950648	11	0.7815893
ENSG00000243335	7	KCTD7	66093868	rs3778909	7	66255646	C	G	0.54175	-0.0150754	0.00826534	0.0681632	-0.404105	0.05688	1.21E-12	0.0373057	0.0211167	0.0772886	0.9641712	16	0.57744037
ENSG00000226824	7	RP4-756H11.3	66119525	rs6979488	7	66218847	C	T	0.542744	-0.0145176	0.00826604	0.0790387	-1.25596	0.0843153	3.50E-50	0.011559	0.00662704	0.08112198	0.6804801	20	0.59005457
ENSG00000198874	7	TYW1	66460160	rs10259711	7	66518946	T	C	0.218688	-0.017957	0.0109321	0.100467	1.12431	0.100558	5.07E-29	-0.0159716	0.00982776	0.1041307	0.6914917	7	0.62987719
ENSG00000106610	7	STAG3L4	66767608	rs17137359	7	66783821	T	C	0.39165	0.00270255	0.00891507	0.761781	-0.678339	0.0619761	7.01E-28	-0.0039841	0.0131475	0.7618687	0.5356574	20	0.93911056
ENSG00000196313	7	POM121	72349936	rs113522666	7	72417063	A	G	0.522863	0.0121004	0.00809886	0.135152	-0.312678	0.0484423	1.08E-10	-0.0386992	0.0265865	0.1455033	0.7995269	7	0.65648756
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.755496	0.105477	7.91E-13	-0.0118946	0.0117402	0.3109856	0.4499983	20	0.78009311
ENSG00000189143	7	CLDN4	73213872	rs4301345	7	73259935	C	T	0.724652	0.00406524	0.00869267	0.640025	-0.435349	0.0774115	1.87E-08	-0.0093379	0.020036	0.6411766	0.8636956	3	0.91912703
ENSG00000165171	7	WBSCR27	73248920	rs10225983	7	73258750	A	G	0.725646	0.00539923	0.00869587	0.534668	-0.883197	0.0782299	1.47E-29	-0.0061133	0.00986078	0.5352848	0.2272478	20	0.88257879
ENSG00000196275	7	GTF2IRD2	74210483	rs810366	7	74140925	G	C	0.806163	-0.0368269	0.0104766	0.0004395	-0.765823	0.0789663	3.07E-22	0.048088	0.0145511	0.00095054	0.5128311	20	0.1592668
ENSG00000123965	7	PMS2P5	74306894	rs1635749	7	74360737	C	T	0.809145	-0.0231069	0.0104641	0.0272301	-1.02736	0.108634	3.17E-21	0.0224915	0.0104594	0.03152641	0.1317165	20	0.43653569
ENSG00000184616	7	AC004166.6	74320406	rs117364363	7	74009994	G	T	0.028827	0.0209192	0.0197037	0.288378	-1.11761	0.175612	1.96E-10	-0.0187178	0.0178739	0.2949997	0.9742391	6	0.77801577
ENSG00000205583	7	STAG3L1	74988448	rs6944634	7	75061769	C	G	0.810139	0.00809241	0.0112113	0.470413	-0.768653	0.122627	3.65E-10	-0.010528	0.014682	0.4733311	0.4592082	8	0.8574394
ENSG00000127957	7	PMS2P3	75132254	rs1167800	7	75176196	G	A	0.460239	-0.0024783	0.00804996	0.758183	0.424766	0.076558	2.88E-08	-0.0058346	0.0189807	0.7585422	0.1229363	7	0.9389107
ENSG00000127952	7	STYXL1	75625656	rs553420828	7	75795046	T	C	0.107356	0.00951231	0.0175341	0.587472	1.05891	0.141084	6.12E-14	0.00898311	0.0166018	0.5884443	0.9319826	9	0.90082611
ENSG00000188372	7	ZP3	76026835	rs2527935	7	76254810	T	C	0.298211	-0.0095262	0.00953525	0.31777	1.0682	0.111501	9.69E-22	-0.008918	0.00897487	0.3203872	0.8694898	20	0.78627807
ENSG00000243566	7	UPK3B	76139745	rs4728783	7	76135677	T	C	0.405567	0.00068098	0.00806621	0.93272	-0.69373	0.10402	2.57E-11	-0.0009816	0.0116282	0.9327249	0.8541929	20	0.98788494
ENSG00000205485	7	AC004980.7	76178677	rs2006268	7	76255998	C	T	0.301193	-0.0103903	0.0095403	0.276112	0.848229	0.102081	9.62E-17	-0.0122494	0.0113435	0.2802046	0.8561297	13	0.75867672
ENSG00000146707	7	POMZP3	76239303	rs56046726	7	76255019	C	T	0.209742	0.0119896	0.010919	0.272182	-1.12779	0.10855	2.77E-25	-0.0106311	0.00973569	0.2748473	0.3965787	20	0.75867672
ENSG00000233448	7	PMS2P9	76669261	rs1861028	7	76634033	G	A	0.267396	0.00240157	0.00979998	0.806411	-0.619936	0.10702	6.93E-09	-0.0038739	0.0158222	0.8065806	0.2548122	3	0.95173338
ENSG00000214293	7	RSBN1L-AS1	77286977	rs11982427	7	77320798	T	G	0.141153	0.00175261	0.0129736	0.89254	-0.999008	0.131696	3.31E-14	-0.0017544	0.0129885	0.8925573	0.2734639	16	0.97758476
ENSG00000157214	7	STEAP2	89796904	rs194520	7	89854446	G	T	0.511928	-0.0050106	0.00815965	0.53917	0.175866	0.0268463	5.72E-11	-0.028491	0.0466004	0.5409421	0.07786028	17	0.88454878
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.5332	0.183734	7.14E-17	0.0124417	0.0121805	0.3070443	0.0768135	7	0.77917725
ENSG00000231170	7	AC002451.3	95225994	rs10231573	7	95234886	C	T	0.423459	0.00473724	0.00823563	0.565148	0.679864	0.0869861	5.46E-15	0.00696792	0.0121464	0.566197	0.7762115	14	0.90007051
ENSG00000180535	7	BHLHA15	97840739	rs10953239	7	97714506	A	G	0.367793	0.00730218	0.00826906	0.377198	0.504683	0.0757416	2.68E-11	0.0144688	0.0165279	0.3813465	0.2088763	20	0.81183661
ENSG00000272950	7	RP11-307C18.1	97952165	rs12671301	7	97967556	C	A	0.474155	-0.0113854	0.00816218	0.163047	0.510966	0.0786001	7.99E-11	-0.0222821	0.0163376	0.1726137	0.02315238	20	0.68201901
ENSG00000244219	7	GS1-259H13.2	99195689	rs57980352	7	98985408	A	G	0.0685885	0.0220807	0.0136589	0.105969	-0.730551	0.132931	3.89E-08	-0.0302247	0.0194888	0.1209313	0.5851996	9	0.63684501
ENSG00000146833	7	TRIM4	99474581	rs2527899	7	99529181	G	A	0.533797	0.00023751	0.00821224	0.976927	0.480743	0.0578876	1.00E-16	0.00049405	0.0170825	0.9769274	0.03550997	14	0.99169992
ENSG00000066923	7	STAG3	99775186	rs1628077	7	99800958	A	G	0.26839	0.0281615	0.00906676	0.00189627	0.437609	0.0616486	1.26E-12	0.0643531	0.0226155	0.00443371	0.759385	20	0.24130836
ENSG00000213413	7	PVRIG	99815864	rs1617502	7	99809835	T	C	0.712724	-0.0289633	0.00896438	0.00123384	-0.613793	0.07619	7.88E-16	0.0471874	0.0157357	0.00271087	0.8407298	20	0.18768257
ENSG00000242294	7	STAG3L5P	99933702	rs73401451	7	99981895	C	T	0.175944	-0.0149683	0.00985744	0.128895	0.871058	0.0697304	8.28E-36	-0.017184	0.0113999	0.1317129	0.7091862	20	0.64900038
ENSG00000121716	7	PILRB	99933737	rs10085549	7	99983135	T	C	0.177932	-0.0150274	0.00985786	0.127406	0.898724	0.0612165	8.52E-49	-0.0167208	0.0110277	0.1294546	0.7240125	20	0.64900038
ENSG00000085514	7	PILRA	99965153	rs73401451	7	99981895	C	T	0.175944	-0.0149683	0.00985744	0.128895	1.02185	0.0816539	6.23E-36	-0.0146482	0.00971741	0.1317028	0.3974982	20	0.64900038
ENSG00000078487	7	ZCWPW1	99998449	rs66958101	7	100074020	A	G	0.192843	-0.0191641	0.00961207	0.0461796	0.489694	0.0646883	3.73E-14	-0.0391348	0.0202981	0.05385438	0.6116045	15	0.5349102
ENSG00000205307	7	SAP25	100169855	rs67147615	7	100167002	C	T	0.0735586	0.0205459	0.0162125	0.205051	0.555887	0.0776441	8.10E-13	0.0369606	0.0296185	0.2120718	0.7308459	7	0.72409396
ENSG00000106404	7	CLDN15	100875373	rs59937851	7	100890252	T	A	0.0596421	-0.0077595	0.017081	0.649631	0.615035	0.0910312	1.42E-11	-0.0126163	0.0278351	0.650368	0.1431516	14	0.91912703
ENSG00000267368	7	UPK3BL	102277472	rs62483497	7	102332238	G	A	0.687873	-0.0009192	0.00836823	0.912534	-0.576597	0.102109	1.63E-08	0.00159417	0.0145159	0.9125502	0.2894786	6	0.97758476
ENSG00000228049	7	POLR2J2	102277474	rs17132619	7	102390266	A	G	0.898608	0.00091261	0.0140221	0.948108	-1.30132	0.156528	9.28E-17	-0.0007013	0.0107756	0.9481089	0.5786215	8	0.98990046
ENSG00000177683	7	THAP5	108194987	rs40921	7	108189755	A	G	0.329026	-0.0147634	0.00870066	0.0897325	0.39111	0.0501167	6.00E-15	-0.0377474	0.0227658	0.09730267	0.4470579	18	0.62913072
ENSG00000006652	7	IFRD1	112063023	rs1468458	7	112106232	C	G	0.578529	0.00957645	0.00806518	0.235077	0.355138	0.0561087	2.46E-10	0.0269654	0.0231061	0.2432005	0.793521	5	0.74596735
ENSG00000105976	7	MET	116312444	rs187437	7	116445091	A	G	0.444334	-0.0170902	0.00827342	0.0388597	-0.314181	0.0569783	3.51E-08	0.054396	0.0281205	0.05306479	0.8230583	10	0.53244236
ENSG00000234224	7	TMEM229A	123670973	rs10271476	7	123659236	A	T	0.164016	-0.0137886	0.0128188	0.282081	0.465187	0.0714308	7.40E-11	-0.029641	0.0279296	0.2885647	0.1116361	12	0.768396
ENSG00000242593	7	RP5-921G16.1	123672259	rs12706596	7	124020567	T	C	0.241551	-0.0083195	0.00937089	0.374645	-0.69764	0.114631	1.16E-09	0.0119252	0.0135744	0.3796684	0.2895186	12	0.81183661
ENSG00000197157	7	SND1	127292234	rs73234873	7	127292004	T	C	0.281312	-0.0036099	0.0098059	0.712774	-0.28608	0.0492069	6.11E-09	0.0126184	0.0343454	0.7133224	0.7196321	6	0.92829712
ENSG00000273270	7	RP11-212P7.2	128164070	rs79328924	7	128171280	G	C	0.292247	-0.0115556	0.0089987	0.199092	-0.462376	0.0563474	2.29E-16	0.0249918	0.0196987	0.2045481	0.3577995	10	0.72130119
ENSG00000230715	7	RP11-274B21.4	128292895	rs12706857	7	128336193	T	C	0.447316	-0.0035669	0.00809156	0.659347	0.351575	0.0468367	6.08E-14	-0.0101454	0.0230548	0.6598969	0.0857004	13	0.91912703
ENSG00000229413	7	AC018638.1	128293740	rs7795558	7	128224430	T	C	0.553678	0.00367252	0.00809159	0.649923	-0.28859	0.0490606	4.05E-09	-0.0127257	0.0281217	0.6508917	0.3883923	3	0.91912703
ENSG00000243679	7	RP11-274B21.3	128294023	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.30177	0.0461827	6.39E-11	-0.0182279	0.0270056	0.499697	0.05786329	11	0.86624602
ENSG00000271553	7	RP11-274B21.10	128307097	rs56249749	7	128188195	T	C	0.33996	0.0196567	0.00855549	0.0215874	-0.495501	0.0838982	3.51E-09	-0.0396704	0.0185269	0.0322551	0.0123679	7	0.44074897
ENSG00000231721	7	MKLN1-AS1	130626519	rs11773269	7	130646679	C	G	0.2833	0.00056755	0.00887756	0.949025	0.41203	0.0710486	6.66E-09	0.00137746	0.0215472	0.949028	0.5454802	5	0.98990046
ENSG00000131558	7	EXOC4	132937829	rs12112614	7	133473105	C	T	0.129225	0.00559573	0.0116324	0.630484	-0.436766	0.0777488	1.94E-08	-0.0128117	0.0267305	0.6317303	0.9738985	8	0.9171315
ENSG00000243317	7	C7orf73	135347244	rs3110823	7	135357476	C	A	0.148111	-0.0103812	0.0106274	0.328655	-0.53584	0.0717317	8.02E-14	0.0193737	0.020002	0.3327512	0.1595458	17	0.79445679
ENSG00000228775	7	WEE2-AS1	141404138	rs2270009	7	141464765	T	C	0.463221	-0.001467	0.00806903	0.855737	0.476048	0.0711712	2.25E-11	-0.0030816	0.0169563	0.8557894	0.9067067	18	0.97499228
ENSG00000127364	7	TAS2R4	141478242	rs1859646	7	141495604	A	G	0.473161	-0.0014263	0.00804203	0.859226	0.778243	0.0706145	3.03E-28	-0.0018328	0.0103349	0.8592441	0.9642669	20	0.97576711
ENSG00000050327	7	ARHGEF5	144052381	rs720475	7	144074929	A	G	0.28827	-0.0019456	0.00925552	0.833505	0.69314	0.105071	4.20E-11	-0.0028069	0.0133598	0.8335881	0.2615502	4	0.96244121
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.51189	0.0667092	1.67E-14	-0.0229174	0.0173055	0.185407	0.9212047	14	0.69282369
ENSG00000181444	7	ZNF467	149461271	rs709062	7	149472640	T	C	0.156064	-0.0026391	0.012273	0.829739	-0.477741	0.0841452	1.37E-08	0.00552419	0.0257081	0.8298598	0.3629802	8	0.96244121
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.71016	0.0750247	2.92E-21	0.00772125	0.0141107	0.5842477	0.2165374	15	0.90051062
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs7806974	7	149574053	C	A	0.600398	-0.0032904	0.00807222	0.68355	0.384407	0.0583944	4.61E-11	-0.0085598	0.0210394	0.6841211	0.1914697	9	0.92028467
ENSG00000171130	7	ATP6V0E2	149570057	rs4725835	7	149568291	G	A	0.604374	-0.0013388	0.00807255	0.868283	0.270285	0.0319114	2.46E-17	-0.0049531	0.0298725	0.868308	0.04598744	11	0.97612159
ENSG00000127399	7	LRRC61	150019728	rs1962004	7	150020381	A	G	0.253479	-0.0084057	0.00915145	0.358353	0.75054	0.074787	1.06E-23	-0.0111995	0.0122441	0.3603576	0.5634022	20	0.80906288
ENSG00000188707	7	ZBED6CL	150026938	rs11538922	7	150035183	T	C	0.245527	-0.0105771	0.0091585	0.248133	-0.76547	0.114136	1.99E-11	0.0138178	0.0121406	0.2550608	0.6988369	10	0.74930874
ENSG00000002933	7	TMEM176A	150497491	rs741068	7	150500356	C	T	0.680915	0.00771257	0.00859847	0.369735	0.382312	0.0555099	5.69E-12	0.0201735	0.0226806	0.3737567	0.97187	6	0.81183661
ENSG00000273344	7	PAXIP1-AS1	154795158	rs497909	7	154779856	A	G	0.632207	-0.0139313	0.00844018	0.0988212	-0.523512	0.0809317	9.89E-11	0.0266112	0.0166388	0.1097439	0.5767872	10	0.62987719
ENSG00000218672	7	AC008060.7	155174771	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.940652	0.0853183	2.89E-28	-0.00249	0.00870853	0.7749375	0.5194481	20	0.94346142
ENSG00000260426	7	RP5-912I13.1	155192617	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	0.990975	0.0866309	2.67E-30	-0.0023635	0.0082661	0.7749322	0.6115198	20	0.94346142
ENSG00000182648	7	LINC01006	156264890	rs7806832	7	156436865	A	G	0.392644	-0.0083741	0.00807933	0.299974	-0.57519	0.0890174	1.04E-10	0.0145589	0.0142259	0.3061163	0.6456283	15	0.77917102
ENSG00000146918	7	NCAPG2	158424003	rs3793179	7	158459556	A	C	0.242545	0.00445358	0.0098834	0.652269	-0.435346	0.0745697	5.28E-09	-0.01023	0.0227699	0.6532327	0.06320959	8	0.91912703
ENSG00000126870	7	WDR60	158649269	rs57749831	7	158686626	A	T	0.235586	0.0109161	0.00934022	0.242515	-0.449578	0.0698866	1.25E-10	-0.0242808	0.0211156	0.2501864	0.7090942	7	0.74596735
ENSG00000104728	8	ARHGEF10	1772142	rs56367862	8	1757724	G	T	0.181909	-0.000885	0.00999703	0.929462	0.422308	0.0525259	8.98E-16	-0.0020955	0.0236738	0.9294662	0.09344613	15	0.98645953
ENSG00000036448	8	MYOM2	1993155	rs7012209	8	2102543	T	G	0.368787	0.0176226	0.00825243	0.0327243	0.423213	0.0623781	1.16E-11	0.04164	0.0204425	0.04165694	0.9894769	18	0.48280358
ENSG00000249898	8	CTD-2541M15.1	6475996	rs11773941	8	6529155	C	T	0.609344	-0.0033292	0.00814902	0.682881	-0.576255	0.0875142	4.56E-11	0.00577722	0.0141685	0.6834574	0.1878226	20	0.92024574
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-1.0049	0.0993241	4.63E-24	-0.0185094	0.00839758	0.02751487	0.9519654	20	0.42648049
ENSG00000173295	8	FAM86B3P	8086117	rs2980441	8	8095129	C	G	0.487078	0.0128892	0.00823031	0.117333	-0.446637	0.0689836	9.51E-11	-0.0288583	0.0189587	0.1279666	0.2854432	20	0.64900038
ENSG00000233609	8	RP11-62H7.2	8818710	rs6992534	8	8806799	C	A	0.650099	-0.0112308	0.00820015	0.170815	-0.702687	0.0984965	9.74E-13	0.0159826	0.0118828	0.1786176	0.1585546	20	0.68807378
ENSG00000261451	8	RP11-981G7.1	10291182	rs17184069	8	10291730	C	G	0.258449	-0.0217281	0.00988916	0.0280092	-0.606508	0.0914406	3.29E-11	0.0358249	0.0171764	0.03700511	0.07298219	20	0.45167317
ENSG00000253678	8	RP11-981G7.3	10335001	rs13279329	8	10357494	G	T	0.703777	0.00849107	0.00875629	0.33219	-0.755607	0.117605	1.32E-10	-0.0112374	0.0117197	0.3376336	0.3638414	17	0.799618
ENSG00000272505	8	RP11-981G7.6	10344317	rs71516574	8	10298536	G	C	0.271372	-0.0184431	0.00967438	0.0565992	-0.461094	0.0734513	3.44E-10	0.0399986	0.0219275	0.06813292	0.08619663	20	0.55697839
ENSG00000255020	8	AF131216.5	11203257	rs7816606	8	11205602	C	T	0.511928	0.015856	0.00824107	0.0543513	0.580927	0.0693125	5.24E-17	0.0272943	0.0145551	0.06075904	0.6632888	20	0.54438791
ENSG00000184608	8	C8orf12	11225911	rs11250131	8	11251175	G	A	0.488072	0.0202199	0.00831606	0.0150397	-0.350158	0.0638439	4.14E-08	-0.0577451	0.0259786	0.02622968	0.905456	19	0.42123496
ENSG00000154328	8	NEIL2	11627148	rs804276	8	11625008	A	G	0.390656	0.00756996	0.008096	0.349775	0.280869	0.0508159	3.25E-08	0.0269519	0.0292344	0.3565672	0.1138888	7	0.80906288
ENSG00000254507	8	RP11-481A20.10	11860909	rs6601641	8	11840885	A	G	0.564612	0.0053038	0.00858607	0.536759	0.462194	0.0713307	9.20E-11	0.0114753	0.018661	0.5385987	0.08513856	20	0.88432372
ENSG00000255495	8	FAM85A	12051976	rs3988873	8	11986310	A	T	0.224652	-0.0126636	0.0132716	0.339989	0.691421	0.119526	7.27E-09	-0.0183153	0.0194541	0.3464662	0.6612395	3	0.80906288
ENSG00000227888	8	FAM66A	12219527	rs11250186	8	11853596	G	A	0.562624	0.00541365	0.00852282	0.525301	0.869769	0.093949	2.09E-20	0.00622424	0.00982198	0.5262735	0.1038779	20	0.87867368
ENSG00000270074	8	RP11-351I21.11	12270336	rs3988523	8	12508435	A	G	0.366799	-0.0070463	0.00833896	0.398118	-0.53438	0.0954098	2.13E-08	0.013186	0.0157815	0.4034185	0.5730693	13	0.82443646
ENSG00000129422	8	MTUS1	17501304	rs71526144	8	17507915	T	G	0.130219	0.00028584	0.0105394	0.978363	-0.448472	0.0507714	1.02E-18	-0.0006374	0.0235008	0.9783635	0.7270278	20	0.99173304
ENSG00000253671	8	RP11-806O11.1	17666450	rs2517313	8	17736734	G	A	0.73161	-0.0027628	0.00961344	0.773813	-0.509325	0.0926497	3.86E-08	0.00542445	0.0189006	0.7741135	0.07344818	11	0.94346142
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.477967	0.0569161	4.55E-17	0.0106639	0.0176777	0.5463489	0.09248217	20	0.88780189
ENSG00000147408	8	CSGALNACT1	19261672	rs10888163	8	19315034	T	G	0.431412	-0.0052088	0.00810189	0.520283	0.450759	0.0593014	2.94E-14	-0.0115556	0.0180381	0.5217684	0.5894144	20	0.87396207
ENSG00000241852	8	C8orf58	22457114	rs7829805	8	22542790	T	C	0.601392	-0.0004163	0.00863451	0.961545	-0.355782	0.0645275	3.51E-08	0.00117014	0.02427	0.9615461	0.5140225	11	0.98990046
ENSG00000134020	8	PEBP4	22570769	rs2175192	8	22785159	A	G	0.188867	-0.0183523	0.010148	0.0705326	-0.502535	0.085938	4.99E-09	0.0365194	0.0211373	0.08403706	0.6761633	6	0.59571663
ENSG00000228451	8	SDAD1P1	26236775	rs11774142	8	26274581	C	T	0.101392	0.00153021	0.0109625	0.888987	0.771666	0.124358	5.46E-10	0.001983	0.0142099	0.8890151	0.9765712	7	0.97758476

ENSG00000015592	8	STMN4	27092840	rs10481349	8	27104727	A	G	0.37674	-0.0143537	0.00836965	0.0863515	-0.889974	0.0760665	1.28E-31	0.0161282	0.00950487	0.08972723	0.1174528	10	0.60971023
ENSG00000104228	8	TRIM35	27142404	rs10481349	8	27104727	A	G	0.37674	-0.0143537	0.00836965	0.0863515	-0.502656	0.0696015	5.13E-13	0.0285557	0.0171139	0.09520276	0.5240725	8	0.62482162
ENSG00000120915	8	EPHX2	27348296	rs1042064	8	27402132	C	T	0.239563	-0.0069745	0.00905022	0.440917	0.323985	0.054939	3.70E-09	-0.0215273	0.0281716	0.4447783	0.04807477	6	0.85482403
ENSG00000147419	8	CCDC25	27590835	rs56228913	8	27616585	G	A	0.446322	-0.0197607	0.00805499	0.0141579	0.411477	0.0568184	4.42E-13	-0.0480238	0.0206685	0.02015075	0.5051048	8	0.38925469
ENSG00000134014	8	ELP3	27947190	rs34545774	8	27976025	G	A	0.440358	0.00588575	0.0080661	0.465581	0.405251	0.0552606	2.24E-13	0.0145237	0.0200022	0.4677749	0.9756789	11	0.8574394
ENSG00000147533	8	GOLGA7	41347915	rs77984864	8	41362877	G	A	0.0407555	0.0255916	0.0169448	0.130968	-0.718523	0.0958535	6.58E-14	-0.035617	0.0240567	0.1387289	0.2675984	6	0.6493459
ENSG00000176209	8	SMIM19	42396298	rs12542076	8	42360593	G	C	0.398608	-0.0021679	0.00834417	0.795014	0.448864	0.0657339	8.58E-12	-0.0048297	0.018603	0.7951588	0.6426982	18	0.94861851
ENSG00000034239	8	EFCAB1	49623348	rs6472050	8	49712427	G	A	0.361829	0.00311115	0.00871113	0.720981	0.348315	0.0555728	3.66E-10	0.008932	0.0250499	0.7214151	0.1895294	8	0.92829712
ENSG00000215117	8	LINC00588	58192102	rs72652906	8	58188360	A	C	0.198807	-0.0089762	0.0103202	0.384427	0.880032	0.134268	5.59E-11	-0.0101998	0.0118299	0.3885718	0.47649	14	0.81246255
ENSG00000215114	8	UBXN2B	59323823	rs12543440	8	59333396	G	A	0.285288	-0.0102523	0.00893775	0.251351	-0.291569	0.0522554	2.41E-08	0.0351625	0.031295	0.2611909	0.06440239	3	0.75505733
ENSG00000251396	8	RP11-163N6.2	61297147	rs1893279	8	61390282	G	A	0.543738	0.0202932	0.00814848	0.0127591	-0.446874	0.0795153	1.91E-08	-0.0454115	0.0199446	0.02279318	0.8625817	10	0.40462765
ENSG00000137563	8	GGH	63927638	rs11991160	8	63883169	C	A	0.190855	0.00705726	0.0130898	0.589789	0.395773	0.0627473	2.84E-10	0.0178316	0.0331946	0.5911412	0.9149124	20	0.90082611
ENSG00000254081	8	CTD-3025N20.2	66439243	rs7842162	8	66556292	G	T	0.615308	0.0102055	0.00868811	0.240135	0.506671	0.0634721	1.43E-15	0.0201423	0.0173321	0.24518	0.3715765	20	0.74596735
ENSG00000272010	8	CTD-3025N20.3	66504085	rs10091345	8	66552315	A	G	0.532803	0.0121139	0.00808511	0.134055	0.460404	0.061837	9.66E-14	0.0263115	0.0179129	0.1418732	0.06237841	16	0.65048706
ENSG00000104442	8	ARMC1	66514694	rs34851482	8	66518462	A	G	0.316103	-0.0138801	0.00907985	0.126346	0.376139	0.0484754	8.53E-15	-0.0369015	0.0246036	0.1336555	0.5411185	15	0.64900038
ENSG00000147576	8	ADHFE1	67342420	rs2555569	8	67381459	T	C	0.501988	0.00327167	0.00808412	0.685697	0.504698	0.0494803	1.98E-24	0.00648243	0.0160303	0.6859295	0.7368939	20	0.92061694
ENSG00000221947	8	XKR9	71581600	rs1477944	8	71615600	T	C	0.514911	-0.0150646	0.00805221	0.0613649	0.781141	0.0819481	1.54E-21	-0.0192854	0.0105049	0.06638137	0.4685683	11	0.55697839
ENSG00000104369	8	JPH1	75146935	rs2977064	8	75092910	A	C	0.780318	0.0037647	0.00984283	0.702105	-0.28786	0.0440278	6.23E-11	-0.0130782	0.0342516	0.7025885	0.2400211	9	0.92491112
ENSG00000133731	8	IMPA1	82570196	rs2975935	8	82553983	G	A	0.32008	-0.0148046	0.00821875	0.0716523	-0.270519	0.0442276	9.56E-10	0.0547267	0.0316715	0.08399808	0.3835549	11	0.59571663
ENSG00000104497	8	SNX16	82711816	rs12545508	8	82774442	T	C	0.266402	-0.0055177	0.00830194	0.506286	-0.458853	0.0635755	5.30E-13	0.0120251	0.0181694	0.5080787	0.01867706	9	0.87285315
ENSG00000133739	8	LRRCC1	86019382	rs10091577	8	86092535	A	C	0.694831	0.00384057	0.00976182	0.694004	0.298541	0.0454708	5.18E-11	0.0128645	0.0327571	0.6945239	0.1397834	20	0.92302053
ENSG00000253549	8	RP11-317J10.2	86354080	rs6988475	8	86383268	G	A	0.630219	0.00774796	0.00863278	0.369449	0.503088	0.0827896	1.23E-09	0.0154008	0.0173457	0.3746092	0.6011538	7	0.81183661
ENSG00000176623	8	RMDN1	87480486	rs7465511	8	87521481	T	C	0.26839	0.0155557	0.00910887	0.0876819	0.502738	0.046876	7.78E-27	0.030942	0.0183468	0.0916984	0.6405654	16	0.61316282
ENSG00000253738	8	GS1-251I9.4	92072137	rs76774028	8	92067561	G	C	0.0725646	0.0240777	0.018838	0.201198	-0.59149	0.0950595	4.90E-10	-0.0407069	0.0325134	0.2105683	0.4230691	3	0.72289316
ENSG00000104341	8	LAPTM4B	98787285	rs2438208	8	98796728	C	T	0.642147	0.00553018	0.00825719	0.503022	0.325857	0.0491401	3.33E-11	0.0169712	0.0254688	0.5051867	0.1363487	9	0.87207559
ENSG00000174226	8	SNX31	101585116	rs1693551	8	101675584	C	T	0.467197	-0.003388	0.00813056	0.676895	0.886517	0.0857571	4.77E-25	-0.0038217	0.0091788	0.677142	0.6927907	15	0.91998176
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.15814	0.125646	3.04E-20	-0.0046633	0.00836745	0.5773158	0.6182668	10	0.90007051
ENSG00000156795	8	WDYHV1	124428965	rs3779988	8	124473085	A	G	0.586481	-0.0050901	0.0081724	0.533386	0.49297	0.0784275	3.26E-10	-0.0103254	0.0166591	0.5353838	0.2600676	6	0.88257879
ENSG00000253507	8	CTD-2501M5.1	132320792	rs13258129	8	132329651	C	T	0.822068	0.0129018	0.0105861	0.222943	0.748381	0.128032	5.06E-09	0.0172396	0.0144495	0.2328337	0.4369266	5	0.7378013
ENSG00000253210	8	RP11-809O17.1	142136143	rs7015022	8	142138499	C	T	0.461233	0.00029604	0.00815498	0.971042	-0.644877	0.09149	1.81E-12	-0.0004591	0.012646	0.971042	0.3445813	5	0.99105085
ENSG00000171045	8	TSNARE1	143293441	rs7845665	8	143450561	A	G	0.0994036	0.0163398	0.0151858	0.281928	0.62551	0.108392	7.89E-09	0.0261224	0.0246959	0.2901637	0.04698002	10	0.7701264
ENSG00000261693	8	RP13-467H17.1	143485013	rs9801745	8	143485020	C	G	0.178926	-0.00144	0.0116793	0.901873	0.730847	0.11232	7.68E-11	-0.0019703	0.0159834	0.9018903	0.6485032	18	0.97758476
ENSG00000160886	8	LY6K	143781529	rs2585141	8	143806343	A	G	0.333002	-0.0263489	0.00831835	0.00153723	0.503419	0.089448	1.82E-08	-0.0523399	0.018961	0.00577309	0.1552191	20	0.2655399
ENSG00000253741	8	CTD-2292P10.4	143783670	rs7005927	8	143845023	T	C	0.39662	0.0123148	0.00833715	0.13965	-0.558551	0.070029	1.51E-15	-0.0220478	0.0151802	0.1463895	0.1397066	20	0.65648756
ENSG00000130193	8	THEM6	143808621	rs2585136	8	143812141	G	A	0.456262	0.00285134	0.00813846	0.726074	-0.257159	0.040169	1.53E-10	-0.0110878	0.0316949	0.7264661	0.00929044	18	0.928377
ENSG00000253716	8	RP13-582O9.5	144362331	rs7387459	8	144365114	C	T	0.487078	0.00217273	0.00809108	0.788288	-0.759203	0.100045	3.23E-14	-0.0028619	0.010664	0.7884176	0.5628561	17	0.94831585
ENSG00000104518	8	GSDMD	144635377	rs111679420	8	144568825	A	G	0.191849	-0.0124934	0.00966428	0.196102	-0.404583	0.0579118	2.82E-12	0.0308797	0.0242925	0.2036716	0.7243881	13	0.71943183
ENSG00000255050	8	RP11-661A12.9	144655660	rs9657360	8	144676862	T	C	0.800199	0.0003485	0.00974563	0.971474	0.753983	0.100356	5.77E-14	0.00046221	0.0129257	0.9714743	0.6190158	9	0.99105085
ENSG00000147813	8	NAPRT1	144656955	rs10093709	8	144684215	G	A	0.803181	-0.0006868	0.00978006	0.944013	1.09439	0.0986894	1.41E-28	-0.0006276	0.00893672	0.9440142	0.6688006	20	0.98990046
ENSG00000254812	8	RP11-661A12.12	144714241	rs2242085	8	144699424	C	G	0.210736	-0.0052807	0.00993444	0.595034	-0.713051	0.107194	2.89E-11	0.00740578	0.0139767	0.596205	0.7807737	5	0.90240315
ENSG00000181097	8	RP11-429J17.2	144778324	rs7464821	8	144778938	T	C	0.832008	0.0042257	0.0098449	0.667758	0.775165	0.115425	1.87E-11	0.00545136	0.0127263	0.6683939	0.9703304	9	0.91912703
ENSG00000180921	8	FAM83H	144806103	rs12156265	8	144848756	A	G	0.559642	8.66E-05	0.00807375	0.991441	-0.364632	0.0561152	8.14E-11	-0.0002375	0.0221422	0.991441	0.2827874	6	0.99540461
ENSG00000197858	8	GPAA1	145137493	rs13250446	8	145164847	G	A	0.911531	-0.0097061	0.0153951	0.528392	-0.522739	0.0939589	2.64E-08	0.0185677	0.0296393	0.5310168	0.5006932	6	0.88220467
ENSG00000179698	8	KIAA1875	145162629	rs13264654	8	145175529	C	T	0.0924453	-0.0095978	0.0147402	0.514964	0.851058	0.0989776	8.08E-18	-0.0112775	0.0173694	0.5161639	0.853745	5	0.87396207
ENSG00000071894	8	CPSF1	145618444	rs13258200	8	145631197	C	A	0.368787	0.00236778	0.0083397	0.776474	-0.803365	0.0616829	8.92E-39	-0.0029473	0.0103834	0.7765259	0.5464329	18	0.94475423
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	1.07016	0.112891	2.55E-21	0.0116293	0.0163913	0.4780266	0.02331899	8	0.8574394
ENSG00000196378	8	ZNF34	145998499	rs1735167	8	146065452	T	C	0.353877	0.00655814	0.00846179	0.438322	-0.445763	0.070129	2.07E-10	-0.0147122	0.0191233	0.4416962	0.4783149	12	0.85482403
ENSG00000196922	8	ZNF252P	146198975	rs73383005	8	146205474	G	A	0.0994036	-0.0060452	0.0120691	0.616453	0.801807	0.0979062	2.62E-16	-0.0075395	0.0150805	0.617111	0.5117958	8	0.90903514
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407064	9	47303	G	A	0.45825	-0.0026519	0.0084702	0.754213	-0.644515	0.109481	3.93E-09	0.00411461	0.0131605	0.7545484	0.4172702	4	0.93675853
ENSG00000172785	9	CBWD1	121041	rs3008080	9	146901	T	C	0.5	0.00250107	0.00822302	0.761009	-0.580898	0.0916977	2.37E-10	-0.0043055	0.014172	0.7612767	0.4085165	20	0.93911056
ENSG00000137033	9	IL33	6215805	rs2054314	9	6291125	C	T	0.935388	-0.0090422	0.016525	0.584254	-0.481171	0.0743897	9.91E-11	0.018792	0.034466	0.5855923	0.5406712	19	0.90082611
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	0.911538	0.12394	1.91E-13	-0.0006356	0.012121	0.9581796	0.2212248	18	0.98990046
ENSG00000235448	9	RP11-3L8.3	12700100	rs1326792	9	12761360	C	T	0.597416	0.00537848	0.00843631	0.523774	0.904155	0.0850971	2.28E-26	0.00594863	0.00934738	0.5245191	0.5797102	20	0.87715473
ENSG00000153714	9	LURAP1L	12775020	rs10960779	9	12758881	G	A	0.604374	0.00213444	0.00848375	0.801357	0.870159	0.0856398	2.97E-24	0.00245293	0.00975264	0.8014164	0.8091439	20	0.95011181
ENSG00000272871	9	RP11-408A13.4	14588795	rs62539798	9	14687361	A	T	0.332008	-0.0146525	0.00874219	0.093726	-0.433848	0.0653475	3.16E-11	0.0337733	0.0207826	0.1041452	0.9310725	20	0.62987719
ENSG00000215237	9	RP11-54D18.2	14993310	rs7029010	9	15000126	C	T	0.522863	-0.0010134	0.00811936	0.900672	1.01185	0.0750249	1.87E-41	-0.0010015	0.00802462	0.900676	0.1038678	20	0.97758476
ENSG00000164989	9	CCDC171	15552895	rs10962070	9	15566017	A	G	0.473161	0.0206366	0.00806258	0.0104807	0.464185	0.0818609	1.42E-08	0.0444577	0.0190569	0.01965348	0.7931803	16	0.38925469
ENSG00000044459	9	CNTLN	17134980	rs2584538	9	17451083	A	G	0.723658	-0.0252701	0.00960479	0.00851354	-0.349144	0.0622202	2.01E-08	0.0723773	0.0303832	0.0172119	0.07085281	6	0.37238663
ENSG00000261402	9	RP11-378I6.1	19926092	rs10811277	9	19896957	G	C	0.611332	-0.0039045	0.00818378	0.633293	-0.499064	0.0745271	2.14E-11	0.00782357	0.0164398	0.634152	0.6157664	9	0.91850328
ENSG00000147894	9	C9orf72	27546544	rs1031153	9	27565936	T	C	0.277336	0.00503302	0.00905378	0.578278	-0.38723	0.0509261	2.88E-14	-0.0129975	0.0234433	0.5792894	0.00544429	14	0.90007051
ENSG00000241043	9	GVQW1	32566787	rs17218354	9	32553171	G	A	0.457256	0.00054406	0.00828244	0.947626	-0.646469	0.096344	1.95E-11	-0.0008416	0.0128124	0.9476282	0.4763466	10	0.98990046
ENSG00000137074	9	APTX	32972604	rs7032332	9	33088288	G	A	0.309145	-0.0060998	0.00892415	0.494283	-0.369662	0.0642718	8.84E-09	0.0165009	0.0243113	0.4973054	0.512376	9	0.86624602
ENSG00000165269	9	AQP7	33384765	rs17251987	9	33388289	T	C	0.10338	-0.0005981	0.0119204	0.959981	0.759419	0.107091	1.33E-12	-0.0007876	0.0156971	0.9599818	0.5660138	4	0.98990046
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.386683	0.0551628	2.39E-12	-0.0014518	0.0238426	0.9514477	0.6748082	8	0.98990046
ENSG00000226562	9	RP11-255A11.21	33580693	rs10971548	9	33525569	A	G	0.425447	0.00218644	0.00856883	0.798598	0.507069	0.0871207	5.87E-09	0.00431192	0.016915	0.7987871	0.4692045	3	0.95011181
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.42483	0.193658	1.87E-13	0.0216111	0.0112778	0.05533252	0.1698091	6	0.5349102
ENSG00000010438	9	PRSS3	33750515	rs855584	9	33749363	C	G	0.356859	0.0115406	0.00824352	0.161524	-0.444616	0.0623336	9.83E-13	-0.0259563	0.0188945	0.1695191	0.7030959	9	0.67654707
ENSG00000164978	9	NUDT2	34329504	rs10971957	9	34151463	T	C	0.590457	-0.0061091	0.0082792	0.460581	0.533172	0.0675541	2.96E-15	-0.0114581	0.0155959	0.4625306	0.5267808	10	0.8574394
ENSG00000230074	9	RP11-195F19.9	34665662	rs2772554	9	34680853	A	C	0.775348	0.0104972	0.0105766	0.320959	0.690784	0.0971662	1.17E-12	0.0151961	0.0154595	0.3256269	0.1685457	13	0.78825999
ENSG00000165282	9	PIGO	35088685	rs2525081	9	35086270	G	A	0.547714	0.0148709	0.00835693	0.075164	0.294942	0.0489973	1.75E-09	0.0504197	0.0295463	0.08792095	0.7333439	11	0.60467488
ENSG00000137135	9	ARHGEF39	35658872	rs1934160	9	35656674	A	G	0.451292	0.019681	0.00816505	0.0159349	0.490194	0.0811427	1.53E-09	0.0401494	0.0179337	0.02517093	0.1525703	5	0.42123496
ENSG00000198467	9	TPM2	35681989	rs3793540	9	35689951	T	A	0.275348	0.0154087	0.00937767	0.100357	-0.571758	0.0702666	4.05E-16	-0.0269497	0.0167325	0.1072633	0.8318904	20	0.62987719
ENSG00000137103	9	TMEM8B	35814448	rs2381409	9	35829390	T	C	0.611332	-0.0125076	0.00814061	0.124428	-0.334269	0.041109	4.25E-16	0.0374178	0.0247844	0.1311124	0.03344571	20	0.64900038
ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.28976	0.129605	2.49E-23	-0.0008806	0.00812075	0.9136521	0.110935	10	0.97758476
ENSG00000273036	9	RP11-392E22.12	38540564	rs13291177	9	38660223	T	C	0.156064	0.0202731	0.0123156	0.0997378	-0.614928	0.0721339	1.53E-17	-0.0329682	0.0203977	0.106035	0.1377457	10	0.62987719
ENSG00000180071	9	ANKRD18A	38540566	rs13291177	9	38660223	T	C	0.156064	0.0202731	0.0123156	0.0997378	-0.49904	0.0782792	1.83E-10	-0.0406242	0.025488	0.1109684	0.1064367	9	0.62987719
ENSG00000204860	9	FAM201A	38620471	rs7861861	9	38674216	G	A	0.130219	0.0112791	0.0128915	0.381615	-0.524711	0.0813868	1.14E-10	-0.0214958	0.024794	0.3859539	0.2523286	11	0.81195453
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.672131	0.101409	3.40E-11	0.0219014	0.0151609	0.1485706	0.9682964	6	0.65648756
ENSG00000106733	9	NMRK1	77675489	rs10869500	9	77707695	T	A	0.366799	-0.0057783	0.00889866	0.516118	-1.00632	0.0763426	1.12E-39	0.00574198	0.0088535	0.516626	0.3469476	20	0.87396207
ENSG00000254473	9	RP11-522I20.3	86322509	rs11140198	9	86266143	C	T	0.22167	-0.0128474	0.0106178	0.226284	0.573435	0.0909654	2.90E-10	-0.0224043	0.0188541	0.2347171	0.2644302	10	0.7378013
ENSG00000214888	9	XXyac-YM21GA2.	90471930	rs512437	9	90537856	G	A	0.492048	0.00173772	0.00815072	0.831172	0.423613	0.0697476	1.25E-09	0.00410214	0.0192528	0.8312746	0.2814182	7	0.96244121
ENSG00000188312	9	CENPP	95087766	rs7036078	9	95045449	T	C	0.171968	-0.0140948	0.0117883	0.231826	0.83791	0.107191	5.41E-15	-0.0168214	0.0142323	0.2372398	0.6647452	10	0.73933633
ENSG00000175611	9	LINC00476	98521513	rs591486	9	98650046	G	A	0.440358	0.0144771	0.00808156	0.0732335	0.790497	0.0992231	1.63E-15	0.0183139	0.0104786	0.08050951	0.2065111	13	0.58879666
ENSG00000224848	9	RP11-535M15.1	99449338	rs10816457	9	99477258	A	G	0.128231	0.0174919	0.0119303	0.142599	-1.15388	0.162089	1.09E-12	-0.0151592	0.0105563	0.1509928	0.04663396	10	0.65648756
ENSG00000233820	9	RP11-535M15.2	99488172	rs6477616	9	99443512	C	T	0.154076	0.0226663	0.0105731	0.0320509	-0.603173	0.102899	4.58E-09	-0.0375784	0.0186646	0.04407756	0.0945811	5	0.49485996
ENSG00000196312	9	HIATL2	99660348	rs9722684	9	99656571	G	A	0.0328032	0.0363968	0.0151546	0.0163189	-1.17123	0.157423	1.01E-13	-0.0310757	0.0135965	0.02227964	0.08322484	11	0.40127139
ENSG00000228376	9	RP11-520B13.4	99837953	rs10817265	9	99992220	C	T	0.511928	-0.003372	0.00807849	0.676385	0.483538	0.0643367	5.66E-14	-0.0069735	0.0167328	0.6768557	0.4657444	13	0.91998176
ENSG00000159712	9	ANKRD18CP	99918852	rs3747489	9	100137174	T	G	0.390656	0.0126862	0.00834584	0.128494	-0.412625	0.0650524	2.25E-10	-0.0307451	0.0207989	0.139352	0.00604695	9	0.6493459
ENSG00000203279	9	RP11-498P14.5	99962757	rs10759657	9	100159192	T	C	0.380716	0.00179652	0.00851534	0.832908	-0.568227	0.0982757	7.38E-09	-0.0031616	0.0149958	0.8330166	0.0896552	6	0.96244121
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.473852	0.06457	2.16E-13	0.00188195	0.0171081	0.9124067	0.6638859	7	0.97758476
ENSG00000095383	9	TBC1D2	100961311	rs733040	9	100972388	G	A	0.50994	0.0128062	0.00806743	0.112424	0.430003	0.0518923	1.17E-16	0.0297817	0.0191025	0.1189853	0.1225214	20	0.63684501
ENSG00000136881	9	BAAT	104122699	rs28447257	9	104134148	T	C	0.0924453	-0.0121465	0.0166704	0.46623	-0.845337	0.120206	2.03E-12	0.0143688	0.019826	0.4686072	0.855922	15	0.8574394
ENSG00000136870	9	ZNF189	104161155	rs2777349	9	104169237	A	G	0.488072	0.00613446	0.00808234	0.447855	0.277126	0.047542	5.57E-09	0.022136	0.0294111	0.451665	0.7415959	4	0.8574394
ENSG00000136824	9	SMC2	106856541	rs2274725	9	106864570	T	C	0.569583	0.00585908	0.00824724	0.477439	-0.647443	0.0664308	1.92E-22	-0.0090496	0.012772	0.4786042	0.9112806	20	0.8574394
ENSG00000136783	9	NIPSNAP3A	107509969	rs10761085	9	107542068	T	G	0.254473	-0.0170087	0.00890257	0.0560635	-0.421569	0.0695841	1.37E-09	0.0403462	0.0221429	0.0684422	0.5859513	12	0.55697839
ENSG00000106853	9	PTGR1	114312002	rs41279067	9	114361659	C	G	0.156064	-0.0054695	0.0110173	0.619579	-0.390104	0.0655353	2.64E-09	0.0140207	0.02834	0.6207902	0.03210943	4	0.91218503
ENSG00000204173	9	LRRC37A5P	114353872	rs10817198	9	114393397	C	G	0.276342	0.0239201	0.00842927	0.00454339	-0.545677	0.0924159	3.54E-09	-0.0438356	0.0171388	0.01053696	0.00022944	9	0.30239181
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.475148	0.0540019	1.38E-18	-0.0020624	0.018723	0.9122867	0.1903748	20	0.97758476
ENSG00000176386	9	CDC26	116018115	rs10817475	9	116059054	G	A	0.274354	-0.0036704	0.00887798	0.679294	-0.522075	0.08068	9.74E-11	0.00703039	0.0170399	0.6799107	0.9202189	11	0.9199834
ENSG00000106948	9	AKNA	117096436	rs2787352	9	117129385	G	C	0.510934	0.0209294	0.00806329	0.00944148	-0.2778	0.0482481	8.53E-09	-0.0753398	0.0318386	0.01796673	0.7789517	4	0.37797854
ENSG00000095397	9	DFNB31	117164360	rs7852788	9	117225231	T	G	0.727634	0.0232768	0.00885681	0.00858559	0.246441	0.0443546	2.76E-08	0.0944518	0.0397566	0.01751315	0.5312424	13	0.37499807
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.19086	0.0752421	2.03E-56	-0.0074149	0.00686936	0.2804026	0.4851214	20	0.75867672
ENSG00000056558	9	TRAF1	123664671	rs7034492	9	123687211	A	G	0.639165	0.0121348	0.00810639	0.134407	0.460781	0.0485259	2.19E-21	0.0263353	0.01781	0.1392256	0.2560926	11	0.6493459
ENSG00000148180	9	GSN	123970072	rs7045915	9	124337517	T	C	0.150099	0.0139965	0.0119189	0.24027	0.275636	0.0446335	6.59E-10	0.0507789	0.0440163	0.248648	0.1761982	15	0.74596735
ENSG00000136856	9	SLC2A8	130159421	rs11790967	9	130170561	A	G	0.248509	0.0043234	0.00832952	0.603729	-0.583947	0.098503	3.06E-09	-0.0074038	0.0143187	0.6051091	0.3269453	3	0.90314495
ENSG00000197958	9	RPL12	130209953	rs2244468	9	130215279	A	G	0.633201	0.00736778	0.00859518	0.391334	0.433604	0.0455677	1.81E-21	0.016992	0.0199029	0.393248	0.5161822	20	0.8151458
ENSG00000136908	9	DPM2	130697378	rs2274426	9	130707081	G	A	0.870775	0.0110131	0.0120252	0.359754	-0.502994	0.0571779	1.41E-18	-0.0218951	0.0240365	0.3623418	0.07362355	18	0.80906288
ENSG00000228510	9	RP11-339B21.8	131206866	rs7872212	9	131198807	A	G	0.232604	-0.0037819	0.00938131	0.686852	-0.649173	0.080606	8.04E-16	0.00582574	0.0144693	0.6872217	0.8272549	11	0.92061694
ENSG00000119392	9	GLE1	131266979	rs60811630	9	131308732	A	G	0.0516899	-0.0329245	0.0149197	0.0273294	-0.852753	0.1435	2.81E-09	0.0386097	0.0186633	0.03857021	0.7942919	3	0.46040417
ENSG00000171097	9	CCBL1	131595221	rs9408984	9	131652063	T	C	0.66998	-0.0050515	0.00904424	0.576481	0.363835	0.0569814	1.71E-10	-0.013884	0.024953	0.5779322	0.1412465	9	0.90007051
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.40226	0.14376	1.77E-22	0.00965085	0.0105058	0.3582942	0.02325109	20	0.80906288
ENSG00000204055	9	RP11-247A12.2	131939050	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	0.805715	0.123501	6.85E-11	0.0167963	0.0183841	0.3609122	0.01974014	11	0.80906288
ENSG00000130717	9	UCK1	134399188	rs4076428	9	134353724	T	C	0.367793	-0.0053672	0.00851928	0.528695	-0.300422	0.0452477	3.15E-11	0.0178654	0.0284851	0.5305391	0.2660058	5	0.88220467
ENSG00000165695	9	AK8	135600965	rs2254289	9	135727409	G	A	0.796223	-0.0078232	0.0105629	0.45892	0.454476	0.0723429	3.34E-10	-0.0172137	0.0234029	0.4620131	0.6869001	12	0.8574394
ENSG00000148296	9	SURF6	136197552	rs886090	9	136199503	A	G	0.356859	-0.0034593	0.00807883	0.66851	-0.556335	0.0739627	5.40E-14	0.00621802	0.014545	0.6690144	0.1143032	5	0.91912703
ENSG00000148290	9	SURF1	136218610	rs3124747	9	136268084	A	G	0.311133	-0.0007017	0.00950265	0.941135	-0.60268	0.0744443	5.69E-16	0.00116431	0.015768	0.9411374	0.3859546	20	0.98990046
ENSG00000160323	9	ADAMTS13	136279478	rs68011680	9	136331281	A	T	0.333996	0.00350613	0.00836579	0.67514	0.367037	0.0569713	1.18E-10	0.00955252	0.0228409	0.6757868	0.01697506	20	0.91998176
ENSG00000225756	9	DBH-AS1	136519708	rs2097628	9	136519702	G	A	0.409543	0.0190609	0.00840071	0.0232707	-0.413945	0.0610979	1.24E-11	-0.0460469	0.0214021	0.03143549	0.1961452	11	0.43653569
ENSG00000160349	9	LCN1	138413284	rs56239374	9	138415201	G	C	0.429423	0.00418798	0.00812191	0.606107	0.537505	0.0566843	2.48E-21	0.00779152	0.0151327	0.6066375	0.7373021	8	0.90368947
ENSG00000107147	9	KCNT1	138594031	rs1556417	9	138672652	A	G	0.208748	-0.0139914	0.0112654	0.214242	-0.233627	0.037475	4.54E-10	0.0598878	0.0491672	0.2232073	0.4693565	14	0.72895982
ENSG00000238058	9	RP11-432J22.2	138799658	rs10122402	9	138806150	A	G	0.281312	0.00045068	0.00954587	0.962345	0.637812	0.101692	3.56E-10	0.0007066	0.014967	0.9623457	0.8868916	6	0.98990046
ENSG00000213221	9	DNLZ	139253932	rs57052773	9	139385701	C	T	0.0367793	-0.0061314	0.0188263	0.744665	1.67856	0.201835	9.06E-17	-0.0036528	0.0112243	0.7448536	0.4763046	6	0.93221202
ENSG00000148384	9	INPP5E	139323071	rs10781538	9	139320929	G	C	0.423459	-0.0033413	0.00849611	0.694116	-0.448165	0.0526112	1.62E-17	0.00745554	0.0189777	0.6944252	0.2392367	20	0.92302053
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-1.02647	0.112566	7.59E-20	-0.007983	0.0155231	0.6070671	0.2026476	4	0.90368947
ENSG00000177984	9	LCN15	139654086	rs1832146	9	139661238	T	G	0.650099	-0.0071244	0.00821943	0.386063	-0.666846	0.0915247	3.19E-13	0.0106838	0.0124127	0.3893979	0.5331182	18	0.81246255
ENSG00000184925	9	LCN12	139844003	rs7033713	9	139865825	C	A	0.263419	0.00360385	0.00904552	0.690326	-0.484858	0.0793474	9.93E-10	-0.0074328	0.0186956	0.6909483	0.7378656	12	0.92230053
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-1.40736	0.169593	1.05E-16	-0.0025435	0.0166595	0.878653	0.9859037	17	0.97751185
ENSG00000268996	9	AL807752.1	139980807	rs7466635	9	139980417	C	T	0.671968	-0.001121	0.00855547	0.895754	-0.37892	0.0533035	1.17E-12	0.00295841	0.0225824	0.8957713	0.9338595	15	0.97758476
ENSG00000130653	9	PNPLA7	140354404	rs10746563	9	140444078	C	T	0.447316	0.00739088	0.00829792	0.373095	0.38325	0.048462	2.61E-15	0.0192847	0.0217883	0.3761056	0.00195004	6	0.81183661
ENSG00000225140	10	RP11-809C18.3	674578	rs74115100	10	679126	C	T	0.05666	-0.0316718	0.0174802	0.0700068	-0.663746	0.0962035	5.22E-12	0.0477167	0.0272287	0.07969721	0.962802	20	0.58698973
ENSG00000185736	10	ADARB2	1228073	rs7100066	10	1293100	G	A	0.307157	0.00232095	0.00866087	0.788713	0.410282	0.0678065	1.44E-09	0.00565696	0.0211302	0.7889158	0.1294416	6	0.94831585
ENSG00000107959	10	PITRM1	3179920	rs2306312	10	3176456	A	G	0.745527	0.0007588	0.00918178	0.934136	0.441988	0.065685	1.71E-11	0.00171679	0.0207754	0.9341412	0.9741733	20	0.98788494
ENSG00000237399	10	PITRM1-AS1	3183824	rs10508247	10	3181577	C	G	0.387674	-0.0024155	0.0082791	0.770474	-0.585026	0.0987537	3.14E-09	0.00412882	0.0141688	0.7707439	0.9522366	17	0.9411141
ENSG00000187134	10	AKR1C1	4934796	rs12251296	10	4963488	A	G	0.412525	-3.19E-05	0.00813951	0.996873	0.771128	0.0962157	1.11E-15	-4.14E-05	0.0105553	0.9968729	0.9065135	10	0.9981642
ENSG00000151632	10	AKR1C2	5029967	rs12764498	10	5042294	C	T	0.132207	-0.0032504	0.0120049	0.78658	0.940609	0.128098	2.09E-13	-0.0034556	0.0127716	0.7867213	0.4382914	15	0.94725805
ENSG00000134463	10	ECHDC3	11784365	rs10906019	10	11839030	A	T	0.451292	-0.0034899	0.00819368	0.670165	-0.447662	0.0683084	5.62E-11	0.00779575	0.0183419	0.670819	0.6098062	11	0.91912703
ENSG00000065665	10	SEC61A2	12171636	rs7099650	10	12201176	T	C	0.521869	-0.0103976	0.00811476	0.200082	0.205821	0.0348115	3.37E-09	-0.0505177	0.0403415	0.2104786	0.8834623	7	0.72289316
ENSG00000065809	10	FAM107B	14560556	rs10796204	10	14614982	T	C	0.824056	-0.0046696	0.0111588	0.675605	-0.197517	0.0361367	4.61E-08	0.0236415	0.0566607	0.6764985	0.5894752	6	0.91998176
ENSG00000148484	10	RSU1	16632610	rs10795430	10	16852184	G	C	0.171968	0.0140617	0.00944058	0.136358	0.628496	0.11213	2.08E-08	0.0223736	0.0155422	0.1499994	0.8785829	4	0.65648756
ENSG00000165996	10	PTPLA	17631958	rs145389876	10	17683095	T	C	0.026839	-0.008273	0.0240873	0.731254	-1.11467	0.189937	4.39E-09	0.00742192	0.0216463	0.7316948	0.9302524	14	0.9296309
ENSG00000226083	10	SLC39A12-AS1	18290715	rs11012783	10	18425418	G	A	0.420477	-0.0124368	0.00811649	0.125452	0.572882	0.0920727	4.91E-10	-0.0217092	0.0145911	0.1367943	0.5894336	15	0.64900038
ENSG00000240291	10	RP11-499P20.2	18802044	rs4748483	10	18822667	C	G	0.444334	0.0101002	0.00810806	0.212876	0.534433	0.073529	3.64E-13	0.0188989	0.0153925	0.2195233	0.05258267	14	0.72895982
ENSG00000241058	10	NSUN6	18834490	rs12412484	10	18945380	G	T	0.536779	-0.0097718	0.00806059	0.225401	0.409627	0.0556146	1.77E-13	-0.0238553	0.0199426	0.2316194	0.1571748	20	0.73715815
ENSG00000099256	10	PRTFDC1	25137536	rs1326192	10	25140411	C	G	0.472167	0.00220309	0.00840491	0.79323	-0.26218	0.0433187	1.43E-09	-0.008403	0.0320878	0.7934186	0.1085205	5	0.94845572
ENSG00000120539	10	MASTL	27443753	rs882474	10	27477865	T	G	0.602386	0.00532259	0.00850032	0.531207	0.565453	0.0712202	2.03E-15	0.00941297	0.0150794	0.5324797	0.7102697	20	0.88257879
ENSG00000224597	10	PTCHD3P1	29698331	rs10740805	10	29764408	T	G	0.382704	-0.0125756	0.00806523	0.118942	0.591097	0.0859302	6.04E-12	-0.021275	0.0139907	0.1283453	0.01088077	11	0.64900038
ENSG00000259994	10	RP11-305E6.4	30591755	rs2484290	10	30650941	C	T	0.291252	0.00116038	0.0090253	0.897698	-0.39456	0.0616999	1.61E-10	-0.002941	0.022879	0.8977187	0.7230428	9	0.97758476
ENSG00000273038	10	RP11-479G22.8	33176189	rs2252752	10	33211440	C	T	0.475149	-2.13E-05	0.00807526	0.997893	0.456978	0.0801982	1.21E-08	-4.67E-05	0.017671	0.9978932	0.3432857	20	0.9981642
ENSG00000233200	10	RP11-324I22.2	35508822	rs2474528	10	35664456	G	A	0.360835	0.00153019	0.00876768	0.861452	0.545914	0.0974138	2.09E-08	0.00280299	0.0160683	0.8615184	0.9231912	7	0.97612159
ENSG00000271335	10	RP11-324I22.4	35603480	rs1362999	10	35752550	C	T	0.349901	0.00184	0.0087935	0.834257	0.378147	0.0650079	5.99E-09	0.00486583	0.0232692	0.8343622	0.9428895	12	0.96244121
ENSG00000226578	10	RP11-258F22.1	38064299	rs78178945	10	37844038	T	G	0.10835	0.0110352	0.0156673	0.481215	-0.926751	0.15443	1.96E-09	-0.0119074	0.0170217	0.484212	0.9694546	4	0.85760552
ENSG00000272983	10	RP11-508N22.12	38426265	rs190299040	10	38754419	T	C	0.0795229	0.00379551	0.0172432	0.825781	-0.99053	0.161713	9.05E-10	-0.0038318	0.0174193	0.8258911	0.995156	3	0.96153353

ENSG00000215146	10	RP11-313J2.1	42827314	rs2489685	10	42864138	G	A	0.581511	0.01828	0.00828936	0.0274378	0.574432	0.076354	5.34E-14	0.0318227	0.0150377	0.03432802	0.4645924	20	0.4479819
ENSG00000185904	10	LINC00839	42970991	rs2801951	10	42970831	T	G	0.59841	-0.0020707	0.00843575	0.806091	-0.538893	0.0829335	8.15E-11	0.00384258	0.015665	0.8062265	0.3423456	17	0.95173338
ENSG00000169826	10	CSGALNACT2	43633934	rs1270015	10	43698240	T	G	0.170974	0.00892233	0.0101671	0.38018	0.676219	0.0666299	3.35E-24	0.0131944	0.0150913	0.3819515	0.08049887	17	0.81183661
ENSG00000172661	10	FAM21C	46222648	rs199859824	10	46284412	A	G	0.180915	-0.0013632	0.0110017	0.901386	-0.838852	0.126236	3.03E-11	0.0016251	0.0131175	0.9014036	0.2768236	14	0.97758476
ENSG00000188234	10	AGAP4	46321042	rs2279435	10	45923528	A	C	0.558648	0.00046839	0.00813579	0.95409	0.737697	0.113201	7.19E-11	0.00063494	0.0110291	0.9540917	0.4535045	19	0.98990046
ENSG00000239883	10	RP11-175I17.2	46349541	rs7896175	10	46083500	T	G	0.310139	0.0091525	0.00901841	0.310169	-0.424613	0.0739349	9.30E-09	-0.0215549	0.0215682	0.3176085	0.1672256	8	0.78445129
ENSG00000204152	10	TIMM23B	51371390	rs61846915	10	51076618	A	G	0.269384	0.00398505	0.00957326	0.677214	0.579671	0.0755554	1.69E-14	0.00687468	0.0165393	0.6776607	0.8331989	13	0.91998176
ENSG00000204149	10	AGAP6	51748078	rs11812185	10	51045216	A	C	0.269384	0.00442547	0.00955907	0.643393	-0.426601	0.0646603	4.18E-11	-0.0103738	0.0224626	0.644207	0.8255274	11	0.91912703
ENSG00000188611	10	ASAH2	51942538	rs10761448	10	52488000	C	A	0.742545	0.00450951	0.00839235	0.591036	0.925654	0.0857683	3.74E-27	0.0048717	0.00907763	0.5914949	0.4835293	20	0.90082611
ENSG00000204147	10	ASAH2B	52499078	rs4245007	10	52571502	G	C	0.842942	-0.0046115	0.00957078	0.629924	-0.293686	0.0525244	2.25E-08	0.0157022	0.0327093	0.6311882	0.5699967	3	0.9171315
ENSG00000185532	10	PRKG1	52750945	rs9415733	10	52914107	C	G	0.503976	-0.0183587	0.00808102	0.0230972	-0.392019	0.071611	4.39E-08	0.0468311	0.0223185	0.03587754	0.4992875	7	0.45162212
ENSG00000122952	10	ZWINT	58116989	rs72800959	10	58035812	A	T	0.0477137	-0.0112381	0.0269709	0.676916	-1.18572	0.164321	5.36E-13	0.00947787	0.0227843	0.6774231	0.00201906	5	0.91998176
ENSG00000183346	10	C10orf107	63422719	rs11816057	10	63518705	C	T	0.083499	-0.0207093	0.0113319	0.0676208	0.660246	0.0848443	7.15E-15	-0.031366	0.0176301	0.07522009	0.715204	9	0.57227885
ENSG00000108187	10	PBLD	70042417	rs78041174	10	70038771	A	G	0.198807	-0.0056364	0.00909113	0.535266	0.380718	0.0668165	1.21E-08	-0.0148046	0.0240198	0.5376643	0.404238	10	0.88348794
ENSG00000138346	10	DNA2	70173821	rs10823213	10	70252170	A	G	0.136183	-0.0023787	0.010516	0.821046	-0.502864	0.0745413	1.52E-11	0.00473032	0.020924	0.8211454	0.7430214	14	0.9594337
ENSG00000099282	10	TSPAN15	71211229	rs10823398	10	71270363	A	C	0.446322	0.00470692	0.00822371	0.567078	0.206902	0.0292887	1.62E-12	0.0227495	0.0398771	0.5683453	0.7510613	14	0.90007051
ENSG00000079332	10	SAR1A	71907045	rs10159731	10	71926620	A	G	0.442346	0.0014846	0.00805933	0.85385	0.375563	0.0594887	2.73E-10	0.003953	0.0214685	0.8539111	0.1387876	12	0.97395571
ENSG00000138316	10	ADAMTS14	72432559	rs68049170	10	72432047	A	G	0.249503	0.00740759	0.00901202	0.411096	0.498642	0.062241	1.13E-15	0.0148555	0.018168	0.4135426	0.8715455	20	0.83553305
ENSG00000166321	10	NUDT13	74870217	rs74460895	10	74859664	T	C	0.0526839	-0.0069166	0.0190614	0.716709	-0.824976	0.137401	1.92E-09	0.00838403	0.0231476	0.7172032	0.8440001	7	0.92829712
ENSG00000151208	10	DLG5	79550549	rs2004382	10	79650351	C	G	0.34493	0.0038838	0.00899683	0.665971	0.327477	0.0560947	5.29E-09	0.0118598	0.0275482	0.6668247	0.9111312	6	0.91912703
ENSG00000244733	10	RP11-506M13.3	81420647	rs7902116	10	81572189	C	T	0.722664	-0.0099726	0.00856789	0.244445	0.588805	0.0958528	8.11E-10	-0.016937	0.0148102	0.2527897	0.9872082	20	0.74686231
ENSG00000188199	10	NUTM2B	81462983	rs10749148	10	81596500	T	G	0.576541	-0.0043351	0.00821124	0.59754	0.875785	0.0919766	1.70E-21	-0.0049499	0.00939026	0.5981024	0.7347934	20	0.90240315
ENSG00000225484	10	RP11-773D16.1	81563813	rs61860578	10	81522920	T	C	0.202783	-0.0035938	0.0116506	0.757727	-0.785145	0.117668	2.51E-11	0.00457726	0.0148546	0.7579784	0.218634	8	0.93877229
ENSG00000228570	10	NUTM2E	81601114	rs4097131	10	81592152	C	T	0.730616	-0.0105216	0.00860401	0.221378	-1.03381	0.0987998	1.27E-25	0.0101775	0.00837927	0.2245167	0.9334118	20	0.72895982
ENSG00000242600	10	MBL1P	81664654	rs45558131	10	81679949	A	G	0.111332	0.0130664	0.0140428	0.352128	0.78241	0.126078	5.44E-10	0.0167002	0.0181488	0.3574767	0.8651722	6	0.80906288
ENSG00000133661	10	SFTPD	81697496	rs4335482	10	81743578	C	T	0.600398	0.0134926	0.00820332	0.100016	0.717572	0.0849382	2.96E-17	0.0188031	0.0116467	0.1064276	0.1711205	20	0.62987719
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	0.71743	0.124391	8.04E-09	0.00921019	0.0174366	0.5973542	0.9873329	9	0.90240315
ENSG00000189129	10	PLAC9	81891438	rs55999120	10	81617703	C	T	0.0715706	0.0128298	0.0179002	0.473534	-0.901512	0.15156	2.71E-09	-0.0142314	0.0199994	0.4767167	0.7134791	20	0.8574394
ENSG00000122359	10	ANXA11	81910645	rs12763624	10	81924830	T	C	0.237575	0.0102057	0.00965602	0.290548	-0.368104	0.0504076	2.82E-13	-0.027725	0.0265051	0.2955486	0.5529779	20	0.77801577
ENSG00000148600	10	CDHR1	85954410	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.435983	0.0613187	1.16E-12	-0.0252569	0.0194055	0.1930747	0.2664655	6	0.69985367
ENSG00000148604	10	RGR	86004809	rs2279227	10	86004873	C	T	0.491054	0.00274504	0.0080485	0.733056	0.801117	0.0838789	1.29E-21	0.00342652	0.010053	0.7332202	0.9646983	13	0.93086697
ENSG00000122375	10	OPN4	88414314	rs7086606	10	88381941	A	G	0.139165	-0.0163746	0.010574	0.121485	-0.67246	0.105285	1.69E-10	0.0243503	0.0161799	0.132332	0.7084195	5	0.64900038
ENSG00000122376	10	FAM35A	88853918	rs669007	10	88961402	G	C	0.838966	0.020644	0.0105404	0.0501649	-0.466693	0.0818257	1.17E-08	-0.0442346	0.0238798	0.06397057	0.8294406	8	0.55361197
ENSG00000184923	10	NUTM2A	88985205	rs4090238	10	89145952	T	G	0.274354	-0.0003531	0.00875502	0.967826	0.830382	0.102121	4.24E-16	-0.0004253	0.0105435	0.9678261	0.6368674	18	0.99040487
ENSG00000026103	10	FAS	90750414	rs2031610	10	90754487	C	T	0.39165	-0.0090961	0.00825426	0.270466	-0.457041	0.0600877	2.82E-14	0.0199022	0.0182488	0.2754475	0.8971008	11	0.75867672
ENSG00000152778	10	IFIT5	91174343	rs303212	10	91161355	C	T	0.2833	0.00250781	0.00895352	0.779406	-0.488173	0.0809483	1.63E-09	-0.0051371	0.0183606	0.7796383	0.3871343	11	0.94475423
ENSG00000232229	10	LINC00865	91589267	rs3802651	10	91599043	T	C	0.168986	-0.0071767	0.0110192	0.514861	1.09234	0.0889304	1.12E-34	-0.00657	0.0101019	0.5154517	0.8165772	20	0.87396207
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.950827	0.0958412	3.38E-23	-0.0013374	0.00916954	0.8840384	0.7835534	20	0.97758476
ENSG00000148690	10	FRA10AC1	95427640	rs1998840	10	95460373	G	T	0.132207	-0.0175233	0.0146115	0.230419	0.96363	0.103485	1.26E-20	-0.0181847	0.0152882	0.2342599	0.9034633	20	0.7378013
ENSG00000173145	10	NOC3L	96075004	rs12217597	10	96110812	C	T	0.267396	-0.01142	0.0101275	0.259482	0.326029	0.0588101	2.96E-08	-0.0350276	0.0316993	0.2691614	0.2328509	14	0.75505733
ENSG00000241935	10	HOGA1	99344080	rs12416267	10	99343921	A	G	0.355865	0.00797722	0.00813751	0.326936	-0.421263	0.0536593	4.14E-15	-0.0189364	0.0194669	0.3306785	0.03933922	12	0.79445679
ENSG00000171160	10	MORN4	99374310	rs11189303	10	99393234	A	G	0.213718	-0.0270449	0.00977719	0.00567283	-0.335792	0.0447198	5.97E-14	0.0805406	0.0310296	0.00944252	0.1345397	7	0.30239181
ENSG00000119943	10	PYROXD2	100143322	rs4400721	10	100147097	A	G	0.262425	-0.0067247	0.00869585	0.439329	0.472612	0.0507931	1.34E-20	-0.0142289	0.018463	0.4409024	0.8129089	15	0.85440418
ENSG00000172987	10	HPSE2	100218875	rs60922748	10	100909260	G	A	0.0785288	0.0233543	0.0122096	0.0557751	0.804724	0.139936	8.89E-09	0.0290215	0.0159897	0.06952209	0.4857731	9	0.55697839
ENSG00000095485	10	CWF19L1	101992055	rs17882431	10	101981153	T	C	0.427435	-0.005783	0.00852994	0.497791	0.688665	0.0841631	2.78E-16	-0.0083975	0.0124286	0.4992601	0.0218517	20	0.86624602
ENSG00000196072	10	BLOC1S2	102033713	rs6584357	10	102050344	T	A	0.0576541	0.00385282	0.017285	0.823614	-0.544135	0.0658257	1.38E-16	-0.0070806	0.0317776	0.8236767	0.01833596	9	0.96003171
ENSG00000075290	10	WNT8B	102222798	rs79106148	10	102184732	A	G	0.21173	0.0263411	0.00958259	0.00598053	0.743483	0.130313	1.16E-08	0.0354293	0.0143067	0.01327117	0.2795376	3	0.34029901
ENSG00000075826	10	SEC31B	102246399	rs10509744	10	102271579	T	C	0.191849	0.0295779	0.00955345	0.00196119	-0.399762	0.0721921	3.07E-08	-0.0739888	0.0273795	0.00688524	0.7805432	4	0.26880734
ENSG00000272572	10	RP11-179B2.2	102670860	rs7902725	10	102667751	T	C	0.636183	0.017896	0.00837288	0.0325672	0.506739	0.0910043	2.57E-08	0.035316	0.0176985	0.04599661	0.1716284	9	0.49499979
ENSG00000138111	10	TMEM180	104221149	rs11595149	10	104235978	T	C	0.565606	0.00745612	0.00807754	0.355972	-0.233559	0.0419836	2.65E-08	-0.0319239	0.0350574	0.3624968	0.5302455	12	0.80906288
ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.35018	0.0550109	1.94E-10	0.010722	0.0281102	0.7028865	0.3321514	5	0.92491112
ENSG00000214435	10	AS3MT	104629273	rs12416687	10	104629011	C	T	0.254473	-0.0074018	0.00965458	0.443281	-0.750759	0.103085	3.27E-13	0.00985913	0.0129308	0.4457902	0.4829845	19	0.85482403
ENSG00000065621	10	GSTO2	106028631	rs276204	10	106035313	G	C	0.368787	-0.0128347	0.00868268	0.139355	-0.615915	0.0777872	2.41E-15	0.0208384	0.0143408	0.1461987	0.1280541	20	0.65648756
ENSG00000228261	10	RP11-127L20.3	106083127	rs505701	10	106073566	C	T	0.33499	-0.018021	0.00878545	0.0402448	-0.638286	0.102147	4.14E-10	0.0282334	0.0144868	0.05130587	0.5709694	20	0.52706412
ENSG00000119913	10	TECTB	114043493	rs7072514	10	114011803	A	G	0.0576541	0.0144789	0.0163621	0.376206	0.892284	0.145933	9.70E-10	0.0162268	0.0185284	0.3811494	0.9420566	7	0.81183661
ENSG00000232934	10	RP11-324O2.3	114165977	rs11195957	10	114196220	T	C	0.0616302	-0.0462793	0.0192865	0.0164142	-0.915297	0.157699	6.47E-09	0.0505621	0.0228011	0.02658707	0.00903112	5	0.42123496
ENSG00000165806	10	CASP7	115438942	rs9420146	10	115415549	A	T	0.626243	-0.0158878	0.00833662	0.0566774	-0.370879	0.0637695	6.03E-09	0.0428382	0.023654	0.07013589	0.5973491	3	0.55697839
ENSG00000165650	10	PDZD8	119040000	rs12256994	10	119141869	C	T	0.149105	0.0170051	0.011161	0.127606	-0.45984	0.0645528	1.05E-12	-0.0369805	0.0248205	0.1362456	0.1996208	11	0.64900038
ENSG00000238276	10	RP11-245J24.1	120001076	rs2991221	10	120043180	C	A	0.338966	-0.0098912	0.00951145	0.298373	0.542025	0.0751434	5.46E-13	-0.0182486	0.0177294	0.3033454	0.8533343	11	0.77854243
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.830125	0.0787311	5.43E-26	0.0133688	0.00990571	0.1771418	0.6817396	13	0.68793301
ENSG00000120008	10	WDR11	122610687	rs11199630	10	122653107	A	C	0.333996	-0.0055766	0.00882784	0.527577	-0.330371	0.0554182	2.50E-09	0.0168799	0.0268706	0.5298787	0.991398	5	0.88185742
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-1.12005	0.0866895	3.46E-38	-0.002696	0.00749812	0.7191818	0.2294328	20	0.92829712
ENSG00000107902	10	LHPP	126150403	rs113420616	10	126293897	T	G	0.290258	-0.0031818	0.00882094	0.71832	0.249351	0.0372229	2.10E-11	-0.0127601	0.0354268	0.7187107	0.905139	19	0.92829712
ENSG00000203791	10	METTL10	126436718	rs4962687	10	126404141	A	G	0.656064	-0.0073525	0.00850486	0.387312	-0.417363	0.0624913	2.41E-11	0.0176165	0.0205476	0.3912517	0.844055	18	0.81377629
ENSG00000188690	10	UROS	127477146	rs4256900	10	127511756	T	C	0.44334	0.0199608	0.00814064	0.0142066	-0.596761	0.0493836	1.28E-33	-0.0334486	0.0139194	0.01626011	0.7471291	20	0.36708966
ENSG00000170430	10	MGMT	131265448	rs3858300	10	131342129	C	A	0.615308	-0.00666	0.00833184	0.424091	0.628677	0.0831433	3.99E-14	-0.0105937	0.0133268	0.4266636	0.8707756	20	0.84792909
ENSG00000188385	10	JAKMIP3	133918175	rs11592585	10	133955427	G	A	0.341948	0.00114395	0.00836815	0.891265	0.594303	0.0584149	2.59E-24	0.00192486	0.0140819	0.8912754	0.1269186	16	0.97758476
ENSG00000235010	10	RP11-140A10.3	133994729	rs12313	10	134017295	G	A	0.805169	-0.0094626	0.0100816	0.347936	-0.762783	0.112712	1.31E-11	0.0124054	0.0133434	0.3525244	0.2158923	13	0.80906288
ENSG00000148814	10	LRRC27	134145614	rs56678407	10	134167502	A	C	0.11829	-0.0091651	0.0115163	0.426127	0.570605	0.0763523	7.82E-14	-0.0160621	0.0202967	0.4287318	0.7042959	14	0.84969079
ENSG00000229081	10	RP11-432J24.6	134334331	rs61861415	10	134328497	C	T	0.410537	-0.0015668	0.00822114	0.848855	0.638121	0.0900843	1.40E-12	-0.0024553	0.012888	0.8489082	0.143144	19	0.97091538
ENSG00000148824	10	MTG1	135207598	rs56153177	10	135216975	A	G	0.242545	-0.0068093	0.00970555	0.482935	0.81968	0.0867127	3.30E-21	-0.0083073	0.0118732	0.484136	0.6223746	19	0.85760552
ENSG00000185627	11	PSMD13	236546	rs10794304	11	246456	A	G	0.729622	-0.0042488	0.00944205	0.65272	-0.447186	0.0521086	9.34E-18	0.00950119	0.0211434	0.653165	0.7980342	15	0.91912703
ENSG00000142102	11	ATHL1	289135	rs78662554	11	297601	T	A	0.319085	-0.0033047	0.00843174	0.695108	0.584845	0.0655612	4.64E-19	-0.0056505	0.014431	0.6953875	0.00985912	16	0.92331125
ENSG00000251661	11	RP11-326C3.11	318640	rs11246065	11	324170	G	A	0.353877	-0.0084383	0.00927664	0.36302	0.506568	0.0887742	1.15E-08	-0.0166577	0.0185439	0.3690347	0.8939466	11	0.81024032
ENSG00000255328	11	RP11-326C3.12	327171	rs6598042	11	324635	A	G	0.419483	0.00660631	0.00809749	0.414588	0.832248	0.0914614	9.08E-20	0.00793791	0.00976869	0.4164548	0.6652493	20	0.83896859
ENSG00000270972	11	RP11-326C3.15	333192	rs7396777	11	328652	T	C	0.407555	0.00751228	0.00807313	0.352098	0.618797	0.098259	3.02E-10	0.0121401	0.0131881	0.3572937	0.8712841	9	0.80906288
ENSG00000185187	11	SIGIRR	405716	rs35828848	11	403545	T	C	0.217694	-0.007046	0.00975895	0.47029	-0.61033	0.0750512	4.22E-16	0.0115446	0.0160525	0.4720312	0.3514627	8	0.8574394
ENSG00000174775	11	HRAS	532242	rs4963127	11	540158	G	A	0.321074	0.00225508	0.00896112	0.80131	-0.193777	0.0349337	2.91E-08	-0.0116375	0.0462921	0.8015103	0.4204249	9	0.95011181
ENSG00000254815	11	RP11-496I9.1	557595	rs61877777	11	526356	A	G	0.0984095	0.00161829	0.0139684	0.907768	0.773029	0.124446	5.24E-10	0.00209344	0.0180728	0.9077845	0.6861404	20	0.97758476
ENSG00000177042	11	TMEM80	695428	rs12277188	11	688091	T	C	0.492048	-0.0030327	0.0080503	0.706379	-0.788022	0.0782839	7.79E-24	0.00384853	0.010223	0.7065756	0.7818094	20	0.92693992
ENSG00000255284	11	AP006621.5	777578	rs4963153	11	791462	A	G	0.455268	-0.0015518	0.00810792	0.848218	0.811172	0.0821725	5.53E-23	-0.001913	0.00999719	0.8482468	0.2241362	20	0.97069345
ENSG00000177697	11	CD151	832843	rs28681202	11	834098	T	C	0.664016	-0.0148321	0.00940852	0.114921	0.481582	0.0565539	1.66E-17	-0.0307987	0.0198687	0.121114	0.5826567	7	0.63684501
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.645529	0.0579822	8.64E-29	0.0154177	0.0129427	0.2335644	0.7794706	20	0.7378013
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.958798	0.103113	1.42E-20	-0.0005312	0.0113817	0.9627717	0.8166231	4	0.98990046
ENSG00000226416	11	MRPL23-AS1	2004467	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.868865	0.131961	4.57E-11	-0.0005862	0.0125599	0.9627721	0.7400497	3	0.98990046
ENSG00000180176	11	TH	2185159	rs4930046	11	2197148	A	G	0.521869	0.014472	0.00808116	0.0733196	0.432117	0.0759466	1.27E-08	0.0334909	0.0196058	0.08759612	0.9430665	4	0.60444233
ENSG00000110665	11	C11orf21	2316875	rs2651837	11	2317914	A	G	0.388668	-0.0091121	0.00829296	0.271865	-0.479249	0.0810285	3.33E-09	0.0190133	0.0176001	0.2800112	0.6382359	4	0.75867672
ENSG00000167325	11	RRM1	4115937	rs2268168	11	4142069	T	C	0.346918	0.00268283	0.00821461	0.743976	0.369174	0.0656848	1.91E-08	0.00726712	0.0222889	0.7443922	0.1305747	14	0.93221202
ENSG00000166341	11	DCHS1	6642556	rs12288043	11	6676285	G	A	0.181909	-0.0168621	0.00917604	0.066118	0.451821	0.0695611	8.29E-11	-0.0373203	0.0211061	0.07702418	0.4172746	5	0.57744037
ENSG00000175390	11	EIF3F	7991798	rs10839962	11	8018554	C	T	0.156064	0.0105491	0.0111294	0.343201	0.39579	0.0687414	8.53E-09	0.0266533	0.0284979	0.3496492	0.1395307	4	0.80906288
ENSG00000166436	11	TRIM66	8633584	rs2036422	11	8709337	A	G	0.37674	-0.0032264	0.00817166	0.692971	0.430994	0.0577419	8.38E-14	-0.0074859	0.0189865	0.6933776	0.3772683	20	0.92302053
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	0.888498	0.105421	3.51E-17	0.0130478	0.0117671	0.2675037	0.3712663	8	0.75505733
ENSG00000133805	11	AMPD3	10329860	rs11042812	11	10474010	A	G	0.455268	-0.0085052	0.00813845	0.295996	0.382126	0.0484641	3.15E-15	-0.0222574	0.0214841	0.3002033	0.640157	18	0.7782058
ENSG00000177112	11	MRVI1-AS1	10562819	rs12278433	11	10563823	T	C	0.0954274	0.00179857	0.0151155	0.905284	-1.11245	0.146929	3.69E-14	-0.0016168	0.0135893	0.9052961	0.05194364	9	0.97758476
ENSG00000166788	11	SAAL1	18091482	rs12792460	11	18076439	G	C	0.275348	0.00518734	0.00892242	0.560983	-0.6633	0.109702	1.48E-09	-0.0078205	0.0135136	0.5627825	0.8594513	14	0.89777208
ENSG00000110768	11	GTF2H1	18343842	rs4757645	11	18393845	G	C	0.65507	-0.0116171	0.00855497	0.174486	0.371297	0.0550427	1.52E-11	-0.0312879	0.023503	0.1831133	0.4783131	10	0.69024741
ENSG00000166796	11	LDHC	18433854	rs11605386	11	18433720	G	C	0.115308	0.0315272	0.0136316	0.0207339	1.46734	0.140953	2.23E-25	0.021486	0.00951652	0.023961	0.6826993	18	0.4159376
ENSG00000166800	11	LDHAL6A	18477371	rs2658548	11	18461054	C	G	0.759443	-0.0211615	0.0105604	0.0450848	-0.549513	0.0938026	4.68E-09	0.0385096	0.0203109	0.05795999	0.5009606	3	0.53983363
ENSG00000109854	11	HTATIP2	20385231	rs10437608	11	20385606	A	G	0.538767	0.0017171	0.00807793	0.831665	0.413805	0.0486733	1.87E-17	0.00414954	0.0195272	0.8317166	0.9845577	8	0.96244121
ENSG00000060749	11	QSER1	32914724	rs11032083	11	33029826	G	A	0.230616	0.00358531	0.0100334	0.720839	-0.314685	0.0548646	9.71E-09	-0.0113933	0.0319458	0.7213568	0.02133671	4	0.92829712
ENSG00000085063	11	CD59	33719807	rs1915894	11	33790268	C	G	0.251491	0.00858049	0.00870788	0.324442	-0.250393	0.0454334	3.56E-08	-0.0342681	0.0353283	0.3320521	0.04249004	7	0.79445679
ENSG00000149089	11	APIP	34874641	rs3852516	11	34964491	G	A	0.328032	0.00359698	0.00922847	0.696707	0.991361	0.0652309	3.66E-52	0.00362833	0.00931195	0.6968014	0.1300673	20	0.92358424
ENSG00000149084	11	HSD17B12	43577986	rs1061810	11	43877934	A	C	0.303181	0.00454067	0.00877782	0.604954	-0.657728	0.0544779	1.46E-33	-0.0069036	0.0133579	0.6052854	0.2540202	20	0.90314495
ENSG00000110455	11	ACCS	44087475	rs10769015	11	44114236	A	G	0.688867	0.00293541	0.00907444	0.746332	0.496353	0.0733675	1.33E-11	0.00591396	0.0183031	0.7466104	0.8758928	15	0.93221202
ENSG00000085117	11	CD82	44585977	rs2303865	11	44636833	A	G	0.132207	0.0190703	0.0116999	0.103112	0.540189	0.0835532	1.01E-10	0.035303	0.0223366	0.1139925	0.3549751	4	0.63136646
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	1.14876	0.139569	1.86E-16	-0.0066817	0.00948864	0.4813183	0.2406408	12	0.8574394
ENSG00000205035	11	RP11-707M1.1	49580098	rs1851864	11	49963349	G	A	0.592445	0.00961404	0.00817817	0.239765	0.405643	0.0541154	6.58E-14	0.0237007	0.0204074	0.2454882	0.3442595	13	0.74596735
ENSG00000255190	11	TRIM51DP	49896497	rs7926028	11	50213631	T	G	0.533797	0.00625507	0.00805713	0.437548	0.67489	0.0830955	4.59E-16	0.00926828	0.0119929	0.4396306	0.7797688	7	0.85440418
ENSG00000134809	11	TIMM10	57295936	rs2511992	11	57358343	A	G	0.784294	0.00178415	0.0101957	0.861087	-0.49574	0.0574613	6.28E-18	-0.003599	0.0205709	0.8611154	0.6124279	15	0.97612159
ENSG00000214872	11	SMTNL1	57308979	rs2848639	11	57312717	G	C	0.440358	-0.0011508	0.00808104	0.886759	0.633985	0.0954038	3.03E-11	-0.0018152	0.0127493	0.886784	0.06199351	15	0.97758476
ENSG00000166928	11	MS4A14	60146003	rs6591578	11	60158649	A	G	0.650099	-0.0246608	0.00835009	0.00314333	0.424893	0.0609246	3.08E-12	-0.05804	0.0213417	0.00653698	0.2084024	19	0.2655399
ENSG00000187049	11	TMEM216	61159159	rs2957858	11	61253973	G	A	0.845924	0.0253362	0.0119329	0.0337357	-0.392931	0.0647677	1.31E-09	-0.06448	0.0321751	0.04506617	0.04307507	9	0.49499979
ENSG00000149485	11	FADS1	61567099	rs174561	11	61582708	C	T	0.303181	0.024811	0.00824121	0.00260723	-0.367322	0.0575115	1.69E-10	-0.0675456	0.0248035	0.00646473	0.1513525	14	0.2655399
ENSG00000149541	11	B3GAT3	62382768	rs11231137	11	62315699	A	G	0.263419	-0.0039152	0.00995206	0.694022	0.245787	0.039418	4.51E-10	-0.0159291	0.0405711	0.6945985	0.1782425	10	0.92302053
ENSG00000255717	11	SNHG1	62619460	rs147861683	11	62640727	G	A	0.0437376	-0.0031642	0.0161171	0.844355	0.631247	0.103492	1.06E-09	-0.0050126	0.0255454	0.8444343	0.8414495	3	0.96846496
ENSG00000149743	11	TRPT1	63991271	rs11549691	11	63993287	T	C	0.0636183	0.00146154	0.0182843	0.93629	-0.802783	0.12779	3.34E-10	-0.0018206	0.022778	0.9362948	0.5102509	5	0.98915783
ENSG00000257086	11	RP11-783K16.13	64014411	rs7478730	11	64018827	T	C	0.177932	0.012168	0.0105678	0.249557	0.858251	0.126948	1.37E-11	0.0141777	0.0124905	0.2563427	0.3196621	16	0.75095034
ENSG00000219435	11	TEX40	64067863	rs66968227	11	64070930	C	T	0.16004	0.0140313	0.0110267	0.203203	-0.502413	0.0663581	3.70E-14	-0.0279278	0.0222553	0.2095208	0.8382622	15	0.72288156
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-0.873405	0.105697	1.42E-16	0.0143002	0.0102854	0.1644256	0.05636477	7	0.67262324
ENSG00000245532	11	NEAT1	65190245	rs674485	11	65197393	A	G	0.756461	-0.0025536	0.0109241	0.815172	-0.352898	0.053839	5.58E-11	0.00723611	0.0309751	0.8152871	0.08782311	11	0.95615545
ENSG00000172922	11	RNASEH2C	65482367	rs3372	11	65485218	A	G	0.355865	0.00230086	0.00896048	0.797349	-0.255511	0.0418951	1.07E-09	-0.0090049	0.0350999	0.7975251	0.8713032	6	0.94980484
ENSG00000172803	11	SNX32	65601112	rs17854357	11	65601560	C	G	0.161034	0.0109134	0.012092	0.366773	0.441078	0.0604977	3.08E-13	0.0247426	0.0276239	0.3704163	0.48434	7	0.81024032
ENSG00000087365	11	SF3B2	65818200	rs477280	11	65835251	A	C	0.275348	-0.0004077	0.00874749	0.96283	-0.380539	0.057664	4.13E-11	0.00107127	0.0229877	0.9628306	0.4622774	5	0.98990046
ENSG00000255320	11	RP11-755F10.1	66012311	rs2298468	11	66042962	A	G	0.173956	-0.0285614	0.0105718	0.00689954	1.3838	0.125793	3.80E-28	-0.0206398	0.00786671	0.00869821	0.05271674	15	0.2913901
ENSG00000174165	11	ZDHHC24	66288108	rs57596493	11	66302743	T	C	0.243539	-0.0001251	0.0083457	0.988036	-0.499151	0.0835618	2.32E-09	0.00025072	0.0167198	0.9880358	0.1145673	10	0.99474084
ENSG00000173715	11	C11orf80	66511922	rs35287213	11	66569509	T	G	0.111332	0.0100335	0.0223793	0.653909	-0.58092	0.0894804	8.46E-11	-0.0172717	0.0386156	0.6546779	0.339016	8	0.91912703
ENSG00000173156	11	RHOD	66824289	rs114895445	11	66824261	T	C	0.0745527	0.0203874	0.0152377	0.18091	-0.975445	0.143404	1.03E-11	-0.0209006	0.0159206	0.1892496	0.6910271	4	0.69796387
ENSG00000084207	11	GSTP1	67351066	rs12225376	11	67325245	A	G	0.5	-0.0144226	0.0080597	0.0735394	0.254703	0.0415395	8.70E-10	-0.0566252	0.0329636	0.08583128	0.04064972	12	0.59822674
ENSG00000171067	11	C11orf24	68028803	rs7342161	11	68033925	G	A	0.55169	0.00882132	0.00806393	0.273988	0.307789	0.0467535	4.60E-11	0.0286603	0.0265588	0.2805314	0.3038605	6	0.75867672
ENSG00000197345	11	MRPL21	68658744	rs2444765	11	68655063	A	C	0.300199	-0.0082148	0.00832727	0.323894	-0.728926	0.0532499	1.18E-42	0.0112697	0.0114537	0.3251469	0.5334856	20	0.78801647
ENSG00000132740	11	IGHMBP2	68671310	rs664930	11	68679868	T	G	0.299205	-0.0081316	0.00832693	0.328797	0.447256	0.0551478	5.06E-16	-0.018181	0.0187523	0.3322774	0.6338918	20	0.79445679
ENSG00000254682	11	RP11-660L16.2	71159720	rs732934	11	71186476	A	G	0.700795	0.00719952	0.00824953	0.382817	1.05307	0.0875518	2.53E-33	0.0068367	0.00785438	0.3840651	0.2885481	20	0.81183661
ENSG00000227467	11	RP11-169D4.1	72281704	rs11235539	11	72284308	A	G	0.380716	0.00146718	0.00895322	0.869832	0.383384	0.0671841	1.15E-08	0.00382692	0.0233628	0.8698853	0.2904133	4	0.97612159
ENSG00000214530	11	STARD10	72465774	rs10751215	11	72526087	C	T	0.542744	-0.0098643	0.00809616	0.223075	-0.322392	0.0471358	7.94E-12	0.0305972	0.0255081	0.23033	0.03313194	8	0.73712698
ENSG00000175575	11	PAAF1	73587744	rs7942963	11	73615599	A	G	0.0815109	-0.010621	0.0179452	0.553948	-0.635997	0.0693614	4.76E-20	0.0166998	0.0282746	0.5547695	0.4742932	8	0.89149482
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.35961	0.0916165	8.05E-50	0.00069467	0.006298	0.912172	0.5171075	20	0.97758476
ENSG00000241170	11	RP11-147I3.1	74587331	rs10899045	11	74560117	C	T	0.286282	0.00179489	0.00855944	0.833904	-0.738434	0.0745486	3.94E-23	-0.0024307	0.0115939	0.8339407	0.632854	20	0.96244121
ENSG00000255135	11	RP11-111M22.3	76152382	rs113130900	11	76152515	T	C	0.0457256	0.0113897	0.0176949	0.519788	-0.91035	0.129519	2.08E-12	-0.0125113	0.0195188	0.5215297	0.5704969	5	0.87396207
ENSG00000151366	11	NDUFC2	77779350	rs12797666	11	77739157	G	T	0.805169	0.00602242	0.0103915	0.562217	0.171496	0.0311318	3.61E-08	0.035117	0.0609277	0.5643641	0.3589395	4	0.89960417
ENSG00000246174	11	KCTD21-AS1	77850817	rs2156785	11	77850824	T	C	0.463221	0.0143622	0.00807429	0.0752801	-1.04704	0.0871567	3.03E-33	-0.013717	0.00779561	0.07848012	0.1049927	20	0.58215432
ENSG00000188997	11	KCTD21	77882295	rs1144764	11	77870486	T	C	0.527833	-0.0156075	0.00807145	0.0531545	-0.384847	0.0611305	3.06E-10	0.0405551	0.0219402	0.06453875	0.05283838	17	0.55391316
ENSG00000245832	11	RP11-179A16.1	81590893	rs60491498	11	82433770	A	C	0.122266	-0.0014276	0.0125495	0.909428	0.827042	0.108997	3.25E-14	-0.0017262	0.0151757	0.9094383	0.87393	8	0.97758476
ENSG00000137500	11	CCDC90B	82970139	rs543806	11	82994954	A	G	0.404573	-0.0022423	0.00822782	0.785221	-0.371055	0.0548923	1.38E-11	0.0060429	0.0221921	0.7853919	0.2309345	10	0.94656347
ENSG00000086991	11	NOX4	89057524	rs10830368	11	89459706	T	C	0.373757	-0.0048207	0.00861762	0.575888	0.487974	0.0825054	3.33E-09	-0.009879	0.0177388	0.5775848	0.02609248	11	0.90007051
ENSG00000254916	11	RP11-529A4.12	89785005	rs12417707	11	89834751	C	T	0.240557	-0.0124609	0.00883394	0.15837	-0.725333	0.12087	1.96E-09	0.0171796	0.0125111	0.1697068	0.9278482	5	0.67654707
ENSG00000077616	11	NAALAD2	89864683	rs10830346	11	89414857	C	G	0.371769	0.00237001	0.00856077	0.7819	0.373169	0.0626867	2.63E-09	0.00635104	0.0229655	0.7821283	0.06190939	17	0.94501482
ENSG00000182919	11	C11orf54	93474757	rs602242	11	93490219	C	G	0.634195	0.00393727	0.00845055	0.641273	-0.382402	0.0517543	1.48E-13	-0.0102962	0.0221425	0.6419349	0.2038452	7	0.91912703
ENSG00000020922	11	MRE11A	94152895	rs550255	11	94135783	C	T	0.359841	-0.0105803	0.0083161	0.203279	0.459156	0.0572062	1.00E-15	-0.0230429	0.0183378	0.2089063	0.6877984	20	0.72288156
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	0.93567	0.0779843	3.63E-33	0.011763	0.0130397	0.3670069	0.8579378	17	0.81024032
ENSG00000137713	11	PPP2R1B	111597632	rs2155538	11	111774940	T	C	0.832008	0.0271036	0.0129151	0.0358517	-0.444957	0.0715456	5.00E-10	-0.0609129	0.0306334	0.04676276	0.2300284	18	0.49808335
ENSG00000197580	11	BCO2	112046190	rs11214127	11	112068593	A	G	0.258449	-0.0018307	0.00914862	0.841399	-0.368446	0.0630043	4.98E-09	0.00496865	0.0248448	0.8414904	0.9818002	9	0.96669002
ENSG00000149292	11	TTC12	113185251	rs11214587	11	113232422	G	T	0.465209	-0.0173888	0.00811857	0.0322055	-0.623507	0.0672678	1.88E-20	0.0278887	0.0133639	0.03690042	0.3914105	20	0.45167317

ENSG00000166682	11	TMPRSS5	113558272	rs7114297	11	113591402	A	G	0.302187	0.00285356	0.00860488	0.740176	0.9308	0.0779362	7.05E-33	0.00306571	0.00924817	0.7402719	0.2014814	20	0.93221202
ENSG00000254851	11	RP11-109L13.1	117006244	rs634960	11	117072963	C	T	0.260437	-0.006058	0.00884218	0.493269	0.934172	0.101098	2.46E-20	-0.0064848	0.00949124	0.4944527	0.6980476	20	0.86518809
ENSG00000255274	11	TMPRSS4-AS1	117886487	rs7924498	11	117960661	A	G	0.298211	0.00287626	0.00860227	0.738106	0.852205	0.108618	4.30E-15	0.00337508	0.0101033	0.7383363	0.2962412	16	0.93221202
ENSG00000196655	11	TRAPPC4	118889142	rs7127188	11	118893023	C	A	0.229622	-0.0044067	0.00953123	0.643839	0.671981	0.0695522	4.39E-22	-0.0065577	0.0142	0.6442179	0.140943	20	0.91912703
ENSG00000271751	11	RP11-110I1.14	118935974	rs2509121	11	118928253	T	C	0.355865	-0.0047964	0.008867	0.588559	-0.740954	0.111276	2.76E-11	0.00647326	0.0120064	0.5897835	0.2939158	6	0.90082611
ENSG00000160695	11	VPS11	118938403	rs501351	11	118917814	G	T	0.348907	-0.0039276	0.00884835	0.657127	-0.37733	0.0571357	4.00E-11	0.010409	0.0235028	0.6578492	0.2829784	8	0.91912703
ENSG00000254854	11	CTD-2523D13.2	119600293	rs1876795	11	119596147	G	C	0.520875	-0.0026519	0.00807675	0.742657	-0.500555	0.0833779	1.93E-09	0.0052979	0.0161597	0.7430279	0.8642327	5	0.93221202
ENSG00000255219	11	RP11-716H6.2	122165898	rs526084	11	122186263	T	A	0.527833	-0.0314685	0.00815469	0.00011388	0.699002	0.0948501	1.71E-13	-0.0450192	0.0131688	0.00062939	0.5312626	17	0.1592668
ENSG00000245498	11	RP11-677M14.7	124670346	rs490461	11	124680922	A	G	0.366799	-0.0048443	0.00879282	0.581678	0.501322	0.0680519	1.75E-13	-0.009663	0.0175882	0.5827306	0.2157605	8	0.90051062
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.832362	0.0876476	2.17E-21	-0.0056416	0.0105522	0.5928965	0.2813493	9	0.90082611
ENSG00000149554	11	CHEK1	125495036	rs3731395	11	125496399	A	G	0.0725646	-0.0148834	0.0184356	0.419483	0.802389	0.14327	2.14E-08	-0.0185489	0.0232134	0.4242561	0.5686782	5	0.84672686
ENSG00000109832	11	DDX25	125773271	rs78086532	11	125776367	T	C	0.257455	0.00343123	0.00952298	0.718615	0.287285	0.0427332	1.78E-11	0.0119436	0.0331958	0.7190011	0.8388135	11	0.92829712
ENSG00000064309	11	CDON	125825691	rs7124748	11	125846293	C	T	0.380716	0.0103081	0.0082365	0.210747	0.413166	0.0648356	1.86E-10	0.0249491	0.0203159	0.2194261	0.3676887	6	0.72895982
ENSG00000110074	11	FOXRED1	126138950	rs685409	11	126130232	T	C	0.776342	0.0191431	0.00973529	0.0492572	0.438374	0.0577361	3.13E-14	0.0436684	0.0229404	0.05696738	0.8558309	20	0.53782386
ENSG00000149571	11	KIRREL3	126293254	rs11220650	11	126760652	G	A	0.497018	-0.0229233	0.00808417	0.00457425	-0.318619	0.0548718	6.38E-09	0.0719458	0.0282362	0.01083441	0.9659842	3	0.30239181
ENSG00000175773	11	RP11-121M22.1	130184888	rs747250	11	130271678	G	T	0.494036	-0.0003448	0.00805269	0.965844	0.585811	0.0985198	2.75E-09	-0.0005886	0.0137466	0.9658451	0.2560002	3	0.99015808
ENSG00000255455	11	RP11-890B15.3	130736149	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.406387	0.0570224	1.03E-12	0.0058447	0.0199236	0.7692498	0.800181	19	0.94048369
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.630858	0.0635693	3.28E-23	0.00376505	0.0128291	0.7691578	0.5420811	20	0.94048369
ENSG00000182667	11	NTM	131240373	rs11222565	11	131164789	A	G	0.609344	0.0201974	0.00849167	0.0173832	0.446594	0.0742341	1.79E-09	0.0452254	0.0204464	0.02697364	0.1706753	6	0.42123496
ENSG00000120647	12	CCDC77	498439	rs56042953	12	361318	G	T	0.109344	-0.0104146	0.0119748	0.384455	-0.693966	0.126721	4.34E-08	0.0150074	0.0174719	0.3903708	0.2745295	12	0.81323987
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.833842	0.118998	2.43E-12	-0.0189763	0.0129689	0.1434085	0.6822636	20	0.65416846
ENSG00000235049	12	LINC00940	2038368	rs9669556	12	2045640	G	A	0.0934394	-0.0056733	0.0189074	0.764131	0.708894	0.0771696	4.07E-20	-0.0080031	0.0266859	0.764254	0.8041735	5	0.94033594
ENSG00000111254	12	AKAP3	4724674	rs979877	12	4757896	C	T	0.522863	-0.0023352	0.00829202	0.778235	0.562064	0.0698077	8.17E-16	-0.0041547	0.0147618	0.7783677	0.7186028	11	0.94475423
ENSG00000111321	12	LTBR	6484211	rs9668139	12	6504098	A	G	0.727634	-0.0154492	0.0093543	0.0986234	-0.415436	0.0501977	1.27E-16	0.0371879	0.0229608	0.1053127	0.9030707	9	0.62987719
ENSG00000139192	12	TAPBPL	6560856	rs2534709	12	6568572	C	T	0.305169	0.00140302	0.00889568	0.874678	0.588606	0.0771389	2.34E-14	0.00238363	0.0151164	0.8747046	0.5800625	13	0.97751185
ENSG00000111664	12	GNB3	6949118	rs5441	12	6949026	G	A	0.652087	-0.0026188	0.00819645	0.749345	-0.410409	0.0533386	1.42E-14	0.00638093	0.0199886	0.7495537	0.05078357	13	0.9330342
ENSG00000111665	12	CDCA3	6953957	rs5441	12	6949026	G	A	0.652087	-0.0026188	0.00819645	0.749345	-0.384916	0.0698748	3.62E-08	0.00680354	0.0213299	0.7497516	0.1730666	8	0.9330342
ENSG00000111671	12	SPSB2	6980099	rs7294770	12	6987096	A	G	0.301193	-0.0039751	0.00934392	0.670527	0.816384	0.0902521	1.49E-19	-0.0048692	0.0114581	0.6708698	0.5734232	13	0.91912703
ENSG00000248593	12	DSTNP2	6993846	rs2269359	12	6993653	A	G	0.303181	-0.0061624	0.00936432	0.510489	0.476535	0.0757157	3.10E-10	-0.0129318	0.019758	0.5127843	0.14362	7	0.87396207
ENSG00000139197	12	PEX5	7341281	rs9738229	12	7365831	C	T	0.498012	-0.0029619	0.00813032	0.715632	0.632732	0.0661279	1.09E-21	-0.0046811	0.0128589	0.7158287	0.3461559	18	0.92829712
ENSG00000164845	12	FAM86FP	8385108	rs7136053	12	8384186	G	A	0.833996	0.0219558	0.0107537	0.0411822	-0.675281	0.123823	4.94E-08	-0.0325136	0.0170042	0.05586441	0.225592	5	0.5349102
ENSG00000139187	12	KLRG1	9102640	rs1805671	12	9163594	G	A	0.263419	-0.0003241	0.009068	0.971487	0.520595	0.0888996	4.74E-09	-0.0006226	0.0174189	0.9714875	0.8099795	4	0.99105085
ENSG00000256069	12	A2MP1	9381129	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.567816	0.0814883	3.21E-12	0.00607656	0.0142872	0.6706075	0.4814802	17	0.91912703
ENSG00000256427	12	RP11-118B22.4	9399093	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.613559	0.078584	5.83E-15	0.00562353	0.013217	0.6704899	0.3710789	20	0.91912703
ENSG00000111788	12	RP11-22B23.1	9429831	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.983527	0.0785254	5.45E-36	0.00350816	0.00823778	0.670208	0.2589568	20	0.91912703
ENSG00000214776	12	RP11-726G1.1	9620148	rs7485128	12	9539949	T	C	0.549702	0.00959638	0.00814216	0.238556	0.632885	0.0951324	2.88E-11	0.0151629	0.0130655	0.2458323	0.8802989	20	0.74596735
ENSG00000184293	12	CLECL1	9868456	rs10743823	12	9881125	T	C	0.49503	0.00852667	0.00808063	0.291335	-0.585182	0.0921419	2.14E-10	-0.014571	0.013998	0.2979087	0.0839976	10	0.77811352
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.58312	0.184051	7.86E-18	-0.0087582	0.0120482	0.4672711	0.7420257	20	0.8574394
ENSG00000245648	12	RP11-277P12.20	10516368	rs1154831	12	10559492	T	G	0.22167	-0.0176276	0.010783	0.1021	-0.502919	0.089347	1.81E-08	0.0350506	0.0223268	0.1164406	0.6959352	10	0.63572632
ENSG00000183542	12	KLRC4	10559983	rs17513965	12	10562802	G	T	0.140159	-0.0069107	0.0122603	0.572981	0.733891	0.112353	6.49E-11	-0.0094166	0.016768	0.574402	0.00521094	12	0.90007051
ENSG00000205809	12	KLRC2	10579453	rs2734424	12	10581595	C	G	0.831014	-0.0084337	0.0110573	0.44563	-1.24086	0.135573	5.55E-20	0.00679662	0.00894188	0.4472021	0.06489987	13	0.85482403
ENSG00000134545	12	KLRC1	10594863	rs7486108	12	10683329	A	G	0.822068	0.0202921	0.0122032	0.096343	-1.05486	0.145692	4.47E-13	-0.0192368	0.0118697	0.1050909	0.7810038	9	0.62987719
ENSG00000256667	12	KLRAP1	10741077	rs11053871	12	10735926	C	T	0.230616	-0.0042064	0.00961515	0.66177	0.521809	0.0862538	1.45E-09	-0.0080611	0.0184747	0.6625961	0.5453652	3	0.91912703
ENSG00000231887	12	PRH1	11033610	rs67471783	12	11351211	C	A	0.654076	-0.0086854	0.00850635	0.307234	-0.550418	0.0896832	8.39E-10	0.0157796	0.0156668	0.3138382	0.3990712	14	0.7815893
ENSG00000134551	12	PRH2	11081835	rs1013313	12	11042137	C	T	0.631213	-0.0089659	0.00840248	0.285949	0.603154	0.0999057	1.57E-09	-0.014865	0.0141468	0.2933673	0.9568736	16	0.77719883
ENSG00000212127	12	TAS2R14	11090005	rs3851586	12	11092621	G	A	0.217694	0.00994345	0.00899206	0.268812	0.428323	0.0655869	6.55E-11	0.0232148	0.0212925	0.2755881	0.3866607	12	0.75867672
ENSG00000255837	12	TAS2R20	11149094	rs2416549	12	11325804	A	G	0.652087	-0.007021	0.00850251	0.408945	-0.452635	0.0682362	3.28E-11	0.0155113	0.0189295	0.412543	0.1893435	9	0.83492002
ENSG00000256274	12	TAS2R64P	11229368	rs4418898	12	11148156	C	T	0.377734	-0.0005089	0.00870822	0.953403	0.916212	0.104743	2.19E-18	-0.0005554	0.0095048	0.9534037	0.5755676	17	0.98990046
ENSG00000256537	12	RP11-785H5.1	11323963	rs2597990	12	11203459	A	G	0.869781	-0.0013468	0.0144959	0.925975	0.360507	0.0605694	2.65E-09	-0.0037359	0.0402147	0.9259837	0.9500027	17	0.98528081
ENSG00000247157	12	RP11-434C1.1	11700964	rs2416549	12	11325804	A	G	0.652087	-0.007021	0.00850251	0.408945	-0.593661	0.092238	1.23E-10	0.0118265	0.0144396	0.4127647	0.4258053	12	0.83492002
ENSG00000183935	12	HTR7P1	13152812	rs4763918	12	13181676	G	A	0.94334	-0.0188916	0.0188025	0.315024	0.634424	0.116056	4.59E-08	-0.0297776	0.0301336	0.3230615	0.5630068	4	0.78663392
ENSG00000182993	12	C12orf60	14956506	rs1012683	12	14951050	G	A	0.586481	0.00564788	0.00809985	0.485626	-0.632281	0.0882923	8.00E-13	-0.0089326	0.0128711	0.4876822	0.982816	10	0.86059127
ENSG00000121350	12	PYROXD1	21590549	rs4762833	12	21605755	G	A	0.44831	0.00821305	0.00810398	0.310841	-0.328901	0.0591701	2.72E-08	-0.0249712	0.0250458	0.3187534	0.08889796	8	0.7853509
ENSG00000064102	12	ASUN	27058114	rs708160	12	27087778	C	T	0.493042	0.0122841	0.00806156	0.127561	-0.250553	0.0420277	2.50E-09	-0.0490279	0.0332095	0.1398567	0.9735337	4	0.6493459
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.44326	0.128488	2.82E-29	-0.0093967	0.00942442	0.3187355	0.5448337	13	0.7853509
ENSG00000064115	12	TM7SF3	27126128	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	0.829776	0.124755	2.91E-11	0.016344	0.0165114	0.3222408	0.2986925	5	0.78663392
ENSG00000247934	12	RP11-967K21.1	28316231	rs2019011	12	28381077	T	C	0.404573	-0.0131325	0.00813889	0.106624	0.492153	0.0852313	7.73E-09	-0.0266838	0.0171708	0.1201802	0.3122402	17	0.63684501
ENSG00000257176	12	RP11-996F15.2	29433351	rs10843390	12	29496991	T	C	0.284294	0.00615469	0.00887296	0.487905	0.585981	0.0902635	8.48E-11	0.0105032	0.0152282	0.4903705	0.9296676	6	0.86313519
ENSG00000133704	12	IPO8	30781922	rs10843815	12	30856304	T	C	0.236581	0.00881807	0.00910613	0.332862	-0.416399	0.0704788	3.46E-09	-0.021177	0.0221606	0.3392666	0.9892229	7	0.80140373
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	1.0201	0.0882776	6.92E-31	0.00746732	0.0126477	0.5549174	0.4460405	17	0.89149482
ENSG00000013573	12	DDX11	31226779	rs3881296	12	31237700	A	G	0.430417	-0.0110286	0.00815037	0.176012	-1.12841	0.0678771	4.65E-62	0.00977358	0.00724677	0.1774395	0.9738199	20	0.68793301
ENSG00000151229	12	SLC2A13	40148823	rs7312341	12	40351031	G	A	0.276342	0.00180898	0.0105178	0.863443	0.257096	0.0401382	1.50E-10	0.0070362	0.0409248	0.8634923	0.3963076	7	0.97612159
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.544449	0.097092	2.05E-08	-0.0191416	0.0170284	0.2609735	0.9590252	4	0.75505733
ENSG00000079337	12	RAPGEF3	48128455	rs12423645	12	48143978	T	C	0.145129	-0.010071	0.0118797	0.396578	0.649135	0.0810636	1.17E-15	-0.0155145	0.0184031	0.3992074	0.27254	3	0.82021696
ENSG00000268069	12	AC004466.1	48178706	rs3192737	12	48178127	G	A	0.746521	0.00991607	0.00990117	0.316583	0.38772	0.0605742	1.55E-10	0.0255753	0.0258476	0.3224352	0.5448907	5	0.78663392
ENSG00000240399	12	RP1-228P16.1	48448596	rs58865997	12	48566873	A	G	0.213718	0.0417451	0.011612	0.00032441	-0.867649	0.113805	2.46E-14	-0.0481129	0.0147965	0.00114745	0.5239343	15	0.1592668
ENSG00000177981	12	ASB8	48541571	rs11168422	12	48519505	G	T	0.214712	0.0419264	0.0116093	0.00030449	0.476105	0.0761346	4.01E-10	0.0880612	0.0281581	0.00176367	0.710732	11	0.1592668
ENSG00000134285	12	FKBP11	49315301	rs833839	12	49366890	A	T	0.486083	0.00243564	0.00813401	0.764605	0.286369	0.0487815	4.35E-09	0.00850525	0.0284409	0.7649017	0.4900416	13	0.94033594
ENSG00000167553	12	TUBA1C	49582519	rs7958241	12	49509262	G	A	0.333002	-0.0014487	0.00832799	0.861903	0.463093	0.0675784	7.25E-12	-0.0031283	0.0179892	0.8619473	0.2227462	10	0.97612159
ENSG00000161798	12	AQP5	50355653	rs3759129	12	50354437	C	A	0.177932	0.0161868	0.0113103	0.152385	-0.793213	0.0941409	3.58E-17	-0.0204066	0.0144631	0.1582602	0.9644215	6	0.66674733
ENSG00000272368	12	RP4-605O3.4	50505980	rs4883482	12	50576917	G	A	0.599404	0.00157568	0.00831523	0.849706	-0.510908	0.0751816	1.08E-11	-0.0030841	0.0162817	0.8497639	0.6828732	12	0.97135917
ENSG00000139624	12	CERS5	50523575	rs7964698	12	50507179	T	C	0.332008	-0.0021452	0.00886263	0.808738	-0.495242	0.0544461	9.37E-20	0.0043317	0.0179019	0.8088043	0.9914834	20	0.95173338
ENSG00000050426	12	LETMD1	51441745	rs55897461	12	51459319	C	T	0.140159	0.0138971	0.0109393	0.203946	0.382202	0.065523	5.44E-09	0.0363606	0.0292927	0.2145002	0.02804214	11	0.72409396
ENSG00000139629	12	GALNT6	51745031	rs3782473	12	51756269	C	T	0.281312	-0.0038831	0.0085967	0.65149	-0.37997	0.0483748	4.01E-15	0.0102194	0.0226621	0.652027	0.1617856	6	0.91912703
ENSG00000205426	12	KRT81	52679697	rs1540093	12	52715876	C	T	0.361829	0.00983823	0.00880281	0.263728	0.584666	0.0808934	4.92E-13	0.0168271	0.0152351	0.2693777	0.2171108	12	0.75505733
ENSG00000257337	12	RP11-983P16.4	53408380	rs11170386	12	53448320	T	C	0.277336	0.0183834	0.00889935	0.0388562	0.231198	0.0409027	1.58E-08	0.0795137	0.0409823	0.05235584	0.4331959	6	0.53045405
ENSG00000111077	12	TENC1	53440753	rs11610008	12	53440582	T	C	0.605368	-0.0130565	0.00807522	0.105909	0.390368	0.0406688	8.09E-22	-0.0334466	0.0209776	0.1108468	0.4773221	11	0.62987719
ENSG00000135390	12	ATP5G2	54026510	rs12818213	12	54072007	G	A	0.306163	0.0120044	0.00937359	0.200313	0.45735	0.0564968	5.72E-16	0.0262477	0.0207503	0.2058962	0.05747975	17	0.72288156
ENSG00000248265	12	RP11-834C11.3	54452038	rs7300912	12	54572119	C	A	0.550696	0.00710955	0.00833494	0.393669	0.498777	0.090416	3.46E-08	0.014254	0.0169093	0.3992486	0.3841404	5	0.82021696
ENSG00000257534	12	RP11-834C11.10	54555849	rs2233921	12	54575800	A	C	0.477137	0.00299254	0.00811907	0.71244	0.638962	0.109229	4.92E-09	0.00468344	0.0127319	0.7129835	0.4892651	3	0.92829712
ENSG00000135437	12	RDH5	56114151	rs3138142	12	56115585	T	C	0.189861	-0.0017793	0.0108599	0.869855	-0.433568	0.064804	2.22E-11	0.00410388	0.0250553	0.869894	0.3712472	3	0.97612159
ENSG00000139531	12	SUOX	56390964	rs10876864	12	56401085	A	G	0.591451	-0.0202772	0.00816879	0.0130545	0.407863	0.0642225	2.14E-10	-0.0497157	0.0215038	0.02078047	0.7143063	6	0.38925469
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.07731	0.0684825	9.25E-56	0.0185554	0.0076696	0.01554865	0.4403621	20	0.35786984
ENSG00000257303	12	RP11-977G19.11	56693926	rs11171803	12	56718422	C	T	0.0656064	-0.006183	0.017705	0.726921	-0.833188	0.105322	2.56E-15	0.00742091	0.0212704	0.7271763	0.9079759	14	0.928377
ENSG00000123427	12	METTL21B	58165275	rs703842	12	58162739	G	A	0.32008	-0.0216549	0.00847311	0.0105967	0.652434	0.0722972	1.81E-19	-0.0331909	0.0134977	0.01393205	0.1699289	20	0.35288863
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.513488	0.0606959	2.67E-17	0.0576903	0.0180447	0.00138825	0.6080741	20	0.1592668
ENSG00000257354	12	RP11-631N16.2	62996532	rs1060395	12	63010337	G	A	0.0685885	0.0298925	0.0118189	0.0114319	-0.511007	0.08932	1.06E-08	-0.0584972	0.025288	0.02070929	0.8377186	6	0.38925469
ENSG00000239335	12	RP11-745O10.2	66524531	rs1370126	12	66546892	G	A	0.435388	0.0130862	0.00806503	0.104679	-1.08135	0.0836738	3.32E-38	-0.0121017	0.00751685	0.1074097	0.08748745	12	0.62987719
ENSG00000111581	12	NUP107	69080514	rs2439756	12	69003302	A	G	0.715706	-0.0105387	0.00902026	0.242671	0.362666	0.0576824	3.23E-10	-0.029059	0.0252979	0.250691	0.5061282	14	0.74596735
ENSG00000175782	12	SLC35E3	69139886	rs10784727	12	69179134	A	G	0.539761	-0.0015519	0.0080549	0.847219	0.410884	0.0743702	3.30E-08	-0.003777	0.0196157	0.8473108	0.9112949	5	0.97069345
ENSG00000090382	12	LYZ	69742121	rs317688	12	69726850	C	T	0.73161	0.00364261	0.00859433	0.671684	-0.551705	0.0981648	1.91E-08	-0.0066025	0.015622	0.6725589	0.9286292	13	0.91998176
ENSG00000166268	12	MYRFL	70219084	rs4332561	12	70157582	T	C	0.0616302	0.00825455	0.0148537	0.5784	1.63721	0.161388	3.50E-24	0.00504184	0.00908617	0.5789689	0.2741693	20	0.90007051
ENSG00000257139	12	RP11-320P7.2	70574118	rs7315956	12	70563865	G	A	0.692843	-0.0001115	0.00877885	0.989866	-0.699026	0.0848896	1.80E-16	0.00015951	0.0125587	0.9898664	0.5715757	13	0.99513674
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-0.940976	0.0653336	4.98E-47	-0.0040361	0.00892812	0.6512192	0.3289016	20	0.91912703
ENSG00000111615	12	KRR1	75890684	rs1501634	12	75890333	G	A	0.234592	0.00907255	0.00985204	0.357113	0.404611	0.0619101	6.34E-11	0.0224229	0.0245899	0.3618358	0.06870385	7	0.80906288
ENSG00000257431	12	RP11-263K4.3	82906456	rs10735454	12	82770494	T	C	0.95825	0.0316249	0.0245281	0.197281	-1.18899	0.206455	8.46E-09	-0.0265981	0.02114	0.2083238	0.8397227	7	0.72288156
ENSG00000139344	12	AMDHD1	96337071	rs1025608	12	96360703	C	T	0.661034	-0.0104642	0.00818415	0.20104	0.700122	0.110321	2.21E-10	-0.0149463	0.0119245	0.2100573	0.00898133	6	0.72289316
ENSG00000120805	12	ARL1	101786898	rs12817883	12	101814481	C	A	0.115308	0.00728587	0.0144435	0.613953	0.265634	0.0452687	4.41E-09	0.0274282	0.0545742	0.6152556	0.2069535	10	0.90879519
ENSG00000111666	12	CHPT1	102090725	rs2559851	12	102092989	A	C	0.610338	0.0216954	0.00820845	0.00821599	0.383556	0.0487099	3.43E-15	0.0565638	0.0225743	0.01222188	0.0285813	12	0.32544673
ENSG00000120860	12	CCDC53	102406705	rs140394242	12	102444392	T	G	0.0347913	0.0120918	0.0218491	0.579975	-0.986029	0.139126	1.37E-12	-0.0122631	0.0222261	0.581124	0.8915982	7	0.90007051
ENSG00000257681	12	RP11-341G23.4	104140093	rs11111758	12	104161084	G	A	0.290258	-0.0037958	0.00879869	0.666173	0.561036	0.0869774	1.12E-10	-0.0067657	0.015718	0.6668722	0.8563196	13	0.91912703
ENSG00000204954	12	C12orf73	104343980	rs2629779	12	104385191	A	C	0.156064	-0.0098463	0.0137863	0.4751	-0.530275	0.089418	3.02E-09	0.0185682	0.0261863	0.478273	0.425496	13	0.8574394
ENSG00000139433	12	GLTP	110288748	rs10850891	12	110299223	A	G	0.605368	-0.0025453	0.00838912	0.761581	-0.190148	0.0277145	6.84E-12	0.0133859	0.044162	0.7618071	0.01751793	12	0.93911056
ENSG00000111237	12	VPS29	110928902	rs4766497	12	110950376	C	T	0.615308	0.023525	0.00820022	0.00411993	-0.245851	0.0375167	5.64E-11	-0.095688	0.0364106	0.00858824	0.1970049	20	0.2913901
ENSG00000089250	12	NOS1	117645947	rs11068491	12	117880011	G	A	0.422465	-0.0042182	0.00806816	0.601096	-0.5409	0.0757964	9.59E-13	0.00779856	0.0149562	0.6020686	0.423647	7	0.90240315
ENSG00000089220	12	PEBP1	118573663	rs1726407	12	118583726	T	C	0.525845	-0.0065068	0.00807782	0.420522	-0.254133	0.0355296	8.51E-13	0.0256039	0.0319867	0.4234475	0.0404223	20	0.84672686
ENSG00000257218	12	GATC	120884241	rs680795	12	120906034	G	C	0.648111	0.0100653	0.00871923	0.248346	0.851241	0.0858156	3.43E-23	0.0118243	0.0103121	0.2515301	0.2862784	20	0.74648506
ENSG00000122971	12	ACADS	121163538	rs2239760	12	121163518	A	C	0.425447	0.013573	0.00820316	0.0980054	0.326098	0.0502502	8.61E-11	0.0416225	0.0259603	0.1088657	0.4440058	11	0.62987719
ENSG00000256092	12	hsa-mir-8072	123848415	rs78124268	12	123891852	G	C	0.0506958	-0.0039007	0.0245129	0.873568	-1.29261	0.219428	3.84E-09	0.00301769	0.0189708	0.8736137	0.3557857	7	0.97751185
ENSG00000111364	12	DDX55	124086624	rs6488881	12	124056441	G	C	0.11332	0.0173255	0.0142552	0.224218	-0.75629	0.117759	1.34E-10	-0.0229085	0.0191834	0.2324054	0.7051052	5	0.7378013
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.616919	0.0958459	1.22E-10	-0.0053979	0.013196	0.6824966	0.5270739	4	0.92024574
ENSG00000185684	12	EP400NL	132568828	rs61942869	12	132593606	A	G	0.136183	0.0132556	0.00959571	0.167154	-0.670092	0.0885544	3.82E-14	-0.0197818	0.0145567	0.1741625	0.1445001	6	0.68251983
ENSG00000185163	12	DDX51	132621139	rs57037358	12	132625643	T	C	0.189861	0.00988417	0.00899283	0.271717	0.465589	0.0661447	1.94E-12	0.0212294	0.019549	0.2774978	0.03281477	18	0.75867672
ENSG00000256576	12	RP13-977J11.2	132671287	rs6598204	12	132672623	T	A	0.479125	0.0126395	0.00813566	0.120282	0.461667	0.0569582	5.26E-16	0.027378	0.0179432	0.1270555	0.08796431	18	0.64900038
ENSG00000187848	12	P2RX2	133195366	rs2323976	12	133177041	G	A	0.531809	0.00045446	0.00805581	0.955012	-0.358065	0.0640903	2.31E-08	-0.0012692	0.0224993	0.9550141	0.03823757	8	0.98990046
ENSG00000177084	12	POLE	133200348	rs5744998	12	133211791	A	G	0.565606	0.0127929	0.00814768	0.116385	-0.328742	0.0574397	1.05E-08	-0.0389147	0.0257002	0.1299801	0.4582739	11	0.64900038
ENSG00000237636	13	ANKRD26P3	19864733	rs9554041	13	19919317	T	C	0.400596	-0.0149344	0.0087085	0.0863595	0.358244	0.0651994	3.92E-08	-0.0416878	0.0254653	0.1016221	0.8568352	9	0.62987719
ENSG00000224976	13	PARP4P2	19923277	rs2812742	13	19917509	G	A	0.427435	-0.0173058	0.00863337	0.0450142	0.426224	0.0720277	3.27E-09	-0.0406026	0.0213861	0.05762315	0.2432235	10	0.53911389
ENSG00000196593	13	ANKRD20A19P	24513696	rs2765116	13	24530101	G	A	0.84493	-0.0036341	0.0114448	0.750838	0.52111	0.0792103	4.74E-11	-0.0069738	0.0219879	0.7511168	0.7650551	10	0.93344243
ENSG00000240654	13	C1QTNF9	24881304	rs17340157	13	24463132	G	C	0.134195	-0.0233595	0.0139467	0.0939529	1.03889	0.146402	1.28E-12	-0.0224851	0.0137935	0.1030761	0.6981633	15	0.62987719
ENSG00000205822	13	TPTE2P6	24982295	rs4090063	13	25154049	T	C	0.295229	-0.0024518	0.00878308	0.780128	-0.819583	0.107972	3.18E-14	0.00299153	0.0107238	0.7802733	0.99561	13	0.94496452
ENSG00000253771	13	TPTE2P1	25498815	rs12862994	13	25530088	C	T	0.132207	-0.0017468	0.0123256	0.887302	0.88852	0.13958	1.94E-10	-0.0019659	0.0138755	0.8873298	0.75836	10	0.97758476
ENSG00000132970	13	WASF3	27131840	rs1088191	13	27207592	T	C	0.272366	0.0101097	0.00884426	0.253005	0.286362	0.0422248	1.19E-11	0.0353039	0.0313205	0.2596658	0.9101752	11	0.75505733
ENSG00000122025	13	FLT3	28577411	rs79566936	13	28601994	A	G	0.190855	0.0170128	0.0109342	0.119728	0.609963	0.0918578	3.13E-11	0.0278915	0.0184115	0.1297992	0.853461	8	0.64900038
ENSG00000120669	13	SOHLH2	36742345	rs978746	13	36820438	G	A	0.444334	0.0180867	0.00840823	0.031471	0.805485	0.0685052	6.42E-32	0.0224544	0.010612	0.0343488	0.5437786	20	0.4479819
ENSG00000242715	13	CCDC169	36801182	rs7334592	13	36756485	G	A	0.740557	-0.007989	0.00949557	0.40016	0.535235	0.0781412	7.41E-12	-0.0149261	0.0178743	0.4036841	0.2351688	20	0.82443646
ENSG00000133103	13	COG6	40229764	rs9566471	13	40289070	G	T	0.38171	0.0182867	0.00835637	0.0286431	0.347205	0.0632482	4.03E-08	0.0526683	0.0259094	0.04207388	0.8443636	10	0.48280358
ENSG00000176268	13	CYCSP34	41437735	rs6563851	13	41416805	T	C	0.690855	-0.0078124	0.0086606	0.367025	0.759464	0.105735	6.83E-13	-0.0102867	0.0114931	0.3707714	0.4230184	13	0.81024032
ENSG00000023516	13	AKAP11	42846289	rs9590686	13	42903018	G	A	0.235586	0.00754774	0.00885113	0.393802	-0.256374	0.0350948	2.77E-13	-0.0294403	0.0347587	0.3969996	0.639241	20	0.82021696
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-0.955343	0.0641415	3.59E-50	-0.0015252	0.00999161	0.8786782	0.03699314	20	0.97751185
ENSG00000179630	13	LACC1	44453420	rs12428432	13	44464043	G	A	0.498012	-0.0020237	0.00807092	0.802013	0.419138	0.0573086	2.60E-13	-0.0048283	0.0192673	0.8021263	0.04247469	20	0.95011181
ENSG00000227258	13	SMIM2-AS1	44716682	rs66786230	13	44711625	C	T	0.149105	0.00035869	0.0122742	0.976687	1.11813	0.138834	8.03E-16	0.0003208	0.0109775	0.9766868	0.4772505	13	0.99169992
ENSG00000235903	13	CPB2-AS1	46626941	rs17600984	13	46675714	A	C	0.261431	0.00027308	0.00886137	0.975416	1.16412	0.0839552	1.02E-43	0.00023458	0.0076121	0.9754156	0.08906413	16	0.99169992
ENSG00000136144	13	RCBTB1	50106082	rs9316463	13	50176844	A	G	0.588469	-0.0080537	0.00806566	0.318028	0.393639	0.0460361	1.22E-17	-0.0204596	0.0206292	0.321306	0.2331378	17	0.78627807
ENSG00000123179	13	EBPL	50234859	rs9568308	13	50265238	T	C	0.0735586	0.00708956	0.0140422	0.613646	-0.84453	0.0975448	4.81E-18	-0.0083947	0.0166555	0.614248	0.848615	20	0.90879519
ENSG00000237152	13	DLEU7-AS1	51381992	rs2761843	13	51293037	C	T	0.166998	-0.0124439	0.0106786	0.243892	-0.568884	0.0946584	1.86E-09	0.0218742	0.0191208	0.2526217	0.2487096	4	0.74686231
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs9526708	13	51500691	A	G	0.318091	-0.0057386	0.00866177	0.507637	-0.706889	0.112679	3.53E-10	0.00811813	0.0123215	0.5099864	0.2637941	6	0.87324135
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.638027	0.0590868	3.51E-27	-0.0059198	0.0128695	0.6455253	0.585664	20	0.91912703
ENSG00000136108	13	CKAP2	53029564	rs9526927	13	53051627	T	C	0.564612	-0.0073419	0.00805726	0.362182	-0.419895	0.0522651	9.44E-16	0.0174851	0.0193118	0.365248	0.04099049	20	0.80983626
ENSG00000150361	13	KLHL1	70274726	rs7318901	13	70606711	C	T	0.887674	-0.0016864	0.0118065	0.886421	0.765737	0.102052	6.22E-14	-0.0022023	0.0154213	0.8864417	0.2091666	8	0.97758476
ENSG00000083535	13	PIBF1	73356197	rs1000973	13	73555632	A	G	0.267396	-0.0189214	0.00876569	0.0308837	-0.424122	0.073392	7.52E-09	0.0446131	0.0220626	0.0431647	0.4731221	20	0.48724501
ENSG00000118939	13	UCHL3	76123619	rs9543976	13	76136648	A	G	0.878728	0.00423846	0.0128988	0.742462	0.734778	0.0924456	1.89E-15	0.00576835	0.0175697	0.7426751	0.9617819	6	0.93221202
ENSG00000229865	13	RPL31P54	78996958	rs9574240	13	79002946	A	G	0.23161	0.00561236	0.00960679	0.55908	-0.720795	0.105315	7.69E-12	-0.0077864	0.0133765	0.5605055	0.01177935	9	0.89622694
ENSG00000227354	13	RBM26-AS1	79980444	rs2296286	13	79980609	A	C	0.082505	0.00113198	0.0104274	0.913553	1.17109	0.157754	1.14E-13	0.0009666	0.00890496	0.9135621	0.1786723	11	0.97758476
ENSG00000152749	13	GPR180	95254157	rs3897474	13	95254031	T	C	0.642147	-0.0178024	0.00841781	0.0344429	0.569334	0.0639128	5.20E-19	-0.0312688	0.0151963	0.03962321	0.7673147	13	0.4702709
ENSG00000237082	13	COX5BP6	101276129	rs17578868	13	101281575	G	A	0.147117	-0.0038848	0.0112839	0.730634	-0.620418	0.0854482	3.85E-13	0.00626163	0.018208	0.7309257	0.5831297	6	0.9296309
ENSG00000230156	13	LINC00443	107306264	rs9520100	13	107226547	G	A	0.633201	0.00119435	0.00835557	0.886337	-0.666397	0.0846447	3.47E-15	-0.0017923	0.0125405	0.8863557	0.09987925	8	0.97758476
ENSG00000134905	13	CARS2	111293759	rs9555726	13	111368316	T	C	0.690855	-0.0137912	0.00850316	0.104826	0.424953	0.0718597	3.35E-09	-0.0324535	0.0207486	0.1177869	0.9882553	9	0.63661183
ENSG00000102606	13	ARHGEF7	111766906	rs2296353	13	111933098	G	C	0.28827	-0.0291054	0.00844601	0.00056884	0.384035	0.059387	1.00E-10	-0.0757884	0.0249207	0.00235647	0.2777747	13	0.16877208
ENSG00000126217	13	MCF2L	113548692	rs9549650	13	113715787	C	A	0.807157	-0.0042585	0.00993248	0.668109	-0.694372	0.0866286	1.10E-15	0.00613287	0.0143247	0.6685551	0.674439	20	0.91912703
ENSG00000150403	13	TMCO3	114145310	rs2259487	13	114204175	T	C	0.138171	0.013279	0.0135488	0.327042	-0.367785	0.0578062	1.99E-10	-0.0361053	0.0372734	0.3327142	0.1906743	10	0.79445679
ENSG00000100814	14	CCNB1IP1	20779527	rs2781366	14	20828484	C	T	0.512922	0.00955556	0.0081394	0.2404	-0.54549	0.0820526	2.97E-11	-0.0175174	0.0151521	0.2476401	0.8533008	10	0.74596735

ENSG00000092094	14	OSGEP	20914570	rs2275006	14	20920340	G	A	0.632207	0.0101428	0.00861767	0.239205	0.733079	0.0605702	1.02E-33	0.0138359	0.0118109	0.2414176	0.04118541	20	0.74413587
ENSG00000258515	14	RP11-203M5.7	20919464	rs2275006	14	20920340	G	A	0.632207	0.0101428	0.00861767	0.239205	0.394101	0.0690192	1.13E-08	0.0257366	0.0223264	0.2490158	0.01484138	6	0.74596735
ENSG00000129562	14	DAD1	23033805	rs11625520	14	23051042	T	C	0.0934394	0.00279193	0.0132201	0.83274	0.638091	0.0878948	3.88E-13	0.00437544	0.020727	0.83281	0.9431393	4	0.96244121
ENSG00000235213	14	OR6E1P	23171352	rs1242752	14	23204322	T	C	0.377734	0.00376532	0.00807827	0.64114	-0.512099	0.0935145	4.35E-08	-0.0073527	0.0158319	0.6423429	0.2246158	5	0.91912703
ENSG00000100461	14	RBM23	23369854	rs12717427	14	23417792	T	C	0.544732	-0.0059963	0.00807416	0.457695	0.399517	0.0688812	6.63E-09	-0.0150087	0.0203748	0.4613455	0.5332345	5	0.8574394
ENSG00000092036	14	HAUS4	23415437	rs2145542	14	23419036	T	C	0.542744	-0.0060369	0.00807377	0.454628	-0.515653	0.0560105	3.37E-20	0.0117073	0.0157089	0.4561101	0.06833618	19	0.8574394
ENSG00000187630	14	DHRS4L2	24439148	rs13379296	14	24426797	A	C	0.0536779	-0.0313545	0.0293187	0.284872	-0.957961	0.135516	1.56E-12	0.0327305	0.0309536	0.2903269	0.1551627	11	0.7701264
ENSG00000092295	14	TGM1	24718320	rs941504	14	24733467	T	C	0.944334	0.010418	0.0170707	0.541674	0.824997	0.123094	2.05E-11	0.0126279	0.0207774	0.5433394	0.6279642	3	0.88580529
ENSG00000157379	14	DHRS1	24759804	rs12892419	14	24768534	T	G	0.49503	0.010087	0.00805672	0.210573	-0.620829	0.0876823	1.44E-12	-0.0162476	0.0131787	0.2176233	0.06450044	9	0.72895982
ENSG00000139899	14	CBLN3	24895738	rs4344657	14	24899364	C	G	0.759443	-0.0017308	0.00875077	0.843208	0.693522	0.0893288	8.25E-15	-0.0024957	0.012622	0.8432582	0.05666271	6	0.96818534
ENSG00000203546	14	RP11-176H8.1	31803518	rs34024670	14	31896969	A	G	0.387674	-0.0043272	0.00808191	0.592358	0.608094	0.0882049	5.42E-12	-0.0071161	0.0133306	0.5934692	0.8387569	9	0.90082611
ENSG00000092020	14	PPP2R3C	35554673	rs8006884	14	35563211	C	T	0.314115	-0.0232335	0.00871311	0.00766461	-0.447514	0.0664886	1.69E-11	0.0519168	0.0209423	0.01317357	0.4147709	8	0.34029901
ENSG00000174373	14	RALGAPA1	36007558	rs4982298	14	36109361	G	C	0.148111	-0.0298004	0.0112469	0.00805749	0.475159	0.0784983	1.42E-09	-0.0627167	0.0258381	0.01521203	0.6705396	8	0.35786984
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	0.734099	0.105127	2.89E-12	-0.0013933	0.0109845	0.899063	0.4228026	7	0.97758476
ENSG00000165502	14	RPL36AL	50085237	rs3007042	14	50095335	G	A	0.760437	-0.0096268	0.00961837	0.316887	0.516823	0.0578104	3.89E-19	-0.0186269	0.0187268	0.319901	0.7914265	14	0.78627807
ENSG00000258711	14	RP11-218E20.3	51422977	rs949633	14	51426327	C	T	0.648111	-0.0122992	0.00851127	0.148445	-0.469081	0.0852228	3.71E-08	0.0262198	0.0187595	0.1622082	0.4749309	4	0.67262324
ENSG00000198252	14	STYX	53196898	rs10873061	14	53237221	A	G	0.494036	0.0162991	0.00827536	0.0488855	0.257108	0.045934	2.18E-08	0.063394	0.0341208	0.06317954	0.8322619	3	0.55361197
ENSG00000100523	14	DDHD1	53510686	rs9323236	14	53594257	A	T	0.847913	0.0261407	0.0133657	0.0504871	0.500737	0.0794078	2.87E-10	0.0522044	0.0279464	0.06175938	0.2606774	13	0.5458478
ENSG00000237356	14	AL163953.3	53635772	rs7147631	14	53687525	G	T	0.233598	-0.0146074	0.00954871	0.126071	0.765634	0.111439	6.40E-12	-0.0190788	0.0127771	0.1353822	0.4617977	5	0.64900038
ENSG00000100528	14	CNIH1	54893654	rs112586652	14	54906305	T	G	0.148111	-0.0084182	0.0116732	0.470811	0.441558	0.0730568	1.50E-09	-0.0190649	0.0266239	0.4739418	0.9973513	7	0.8574394
ENSG00000126775	14	ATG14	55833110	rs17742886	14	55861890	A	G	0.154076	-0.0042325	0.0101584	0.67693	0.416049	0.0707979	4.19E-09	-0.0101732	0.0244776	0.6776948	0.5339588	8	0.91998176
ENSG00000131966	14	ACTR10	58666798	rs17832891	14	58678057	A	G	0.0427435	-0.0534463	0.0181944	0.00330857	-0.527463	0.0706642	8.37E-14	0.101327	0.0370692	0.00626726	0.1129127	9	0.2655399
ENSG00000126790	14	L3HYPDH	59927081	rs1253098	14	59945536	G	A	0.469185	-0.0126899	0.00852617	0.136658	-0.601897	0.0635773	2.88E-21	0.0210832	0.0143395	0.1414836	0.3857807	20	0.65013592
ENSG00000258289	14	CHURC1	65381079	rs10142016	14	65375444	G	T	0.186879	0.00764242	0.0096039	0.42617	0.625493	0.0664631	4.91E-21	0.0122182	0.0154089	0.4278171	0.9746419	18	0.84868779
ENSG00000259502	14	RP11-643G16.3	68077703	rs61990081	14	68061939	T	C	0.806163	0.00571749	0.0112105	0.610042	-0.668312	0.115259	6.70E-09	-0.0085551	0.0168391	0.6114179	0.2085586	3	0.90773051
ENSG00000259038	14	CTD-2325P2.4	69093883	rs4902620	14	69095504	A	C	0.12326	0.0149916	0.0104499	0.151398	0.689017	0.113758	1.39E-09	0.021758	0.015586	0.1627168	0.4551409	6	0.67262324
ENSG00000100731	14	PCNX	71374122	rs2810118	14	71388575	G	A	0.534791	-0.0191653	0.00809752	0.017942	0.399675	0.0597954	2.32E-11	-0.0479522	0.0214929	0.02567662	0.6270266	19	0.42123496
ENSG00000119599	14	DCAF4	73393040	rs12588830	14	73349613	A	G	0.175944	0.00102525	0.00949671	0.914029	0.501121	0.0882894	1.38E-08	0.00204591	0.0189544	0.9140441	0.8470834	6	0.97758476
ENSG00000184227	14	ACOT1	74003818	rs12433922	14	74038071	A	G	0.27336	-0.0085164	0.00936271	0.363031	0.712955	0.0930394	1.82E-14	-0.0119452	0.0132245	0.3663858	0.4149646	7	0.81024032
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.678732	0.0939242	4.96E-13	-0.0279667	0.0125949	0.02638625	0.2005346	20	0.42123496
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.20768	0.101832	1.92E-32	-0.0127702	0.008912	0.1518808	0.5487247	16	0.65857291
ENSG00000258586	14	RP5-1021I20.2	74289262	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.1268	0.121007	1.26E-20	-0.0136868	0.00959497	0.1537363	0.9977154	20	0.66242711
ENSG00000140043	14	PTGR2	74318547	rs1476748	14	74552048	C	T	0.910537	-0.0193141	0.0162044	0.233298	-0.730711	0.0757997	5.42E-22	0.0264319	0.0223451	0.2368498	0.8238429	20	0.73933633
ENSG00000100577	14	GSTZ1	77787227	rs8016187	14	77790872	A	T	0.289264	0.00199885	0.00827224	0.809065	0.358116	0.0615468	5.93E-09	0.00558157	0.0231192	0.8092254	0.330006	10	0.95173338
ENSG00000063761	14	ADCK1	78266426	rs11159308	14	78374783	A	G	0.280318	-0.0037429	0.00919752	0.684047	-0.33874	0.0619814	4.62E-08	0.0110495	0.0272273	0.6848725	0.4504341	3	0.92061694
ENSG00000042317	14	SPATA7	88851268	rs10150594	14	88955957	G	A	0.296223	-0.0068653	0.00893463	0.442256	-0.682172	0.0659925	4.79E-25	0.0100638	0.0131335	0.4435128	0.6534582	20	0.85482403
ENSG00000258983	14	RP11-507K2.2	88965678	rs2297128	14	88936254	G	A	0.228628	-0.0102702	0.00942596	0.275905	0.844763	0.107779	4.58E-15	-0.0121575	0.0112654	0.280504	0.6955347	18	0.75867672
ENSG00000140025	14	EFCAB11	90261013	rs7141637	14	90376922	A	C	0.0864811	-0.0110255	0.0120407	0.359831	0.61505	0.102375	1.88E-09	-0.0179262	0.0198029	0.3653426	0.8936154	6	0.80983626
ENSG00000165929	14	TC2N	92246095	rs1884840	14	92309325	G	A	0.553678	-0.0027152	0.00809477	0.737301	-0.533892	0.0742698	6.55E-13	0.00508571	0.0151783	0.7375765	0.8969473	11	0.93221202
ENSG00000165948	14	IFI27L1	94547628	rs3818119	14	94567032	T	C	0.513917	0.00861411	0.00840695	0.305532	0.368506	0.0617709	2.44E-09	0.0233758	0.0231477	0.3125651	0.9190404	4	0.7815893
ENSG00000119632	14	IFI27L2	94594116	rs8007371	14	94601479	C	T	0.640159	0.00234836	0.00809473	0.771733	0.259291	0.045162	9.39E-09	0.00905685	0.0312585	0.7720151	0.5894012	10	0.94211243
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.739283	0.0743069	2.55E-23	-0.0244027	0.0172177	0.1563933	0.1582487	8	0.66444926
ENSG00000271780	14	RP11-1017G21.5	102414684	rs2474679	14	102414829	T	C	0.0815109	0.00919116	0.0128143	0.473217	0.921764	0.12267	5.73E-14	0.00997127	0.0139651	0.4752194	0.06393854	18	0.8574394
ENSG00000259775	14	RP11-45P15.4	103798011	rs12432904	14	103812320	T	G	0.345924	-0.0243858	0.00844486	0.00388132	0.381371	0.0604968	2.90E-10	-0.0639425	0.024356	0.00865662	0.1351625	15	0.2913901
ENSG00000256053	14	APOPT1	104029299	rs942863	14	104021268	T	C	0.374751	-0.0050001	0.00877989	0.569023	0.275071	0.0456387	1.67E-09	-0.0181774	0.0320608	0.5707374	0.01280247	11	0.90007051
ENSG00000269958	14	RP11-73M18.8	104162690	rs709399	14	104167545	A	G	0.683897	0.0296939	0.00901109	0.00098331	0.358997	0.0610983	4.21E-09	0.0827135	0.0287787	0.00405152	0.9984073	7	0.24130836
ENSG00000140104	14	C14orf79	105452112	rs2582574	14	105454529	G	A	0.219682	0.00867094	0.00911719	0.341577	0.427304	0.0514339	9.75E-17	0.0202922	0.0214759	0.3447187	0.3976876	20	0.80906288
ENSG00000183828	14	NUDT14	105639275	rs10140111	14	105644282	G	C	0.622266	-0.0094388	0.00833304	0.257341	0.561289	0.0541827	3.80E-25	-0.0168163	0.0149347	0.2601709	0.5332099	11	0.75505733
ENSG00000259905	15	PWRN1	24738284	rs57619390	15	24472445	A	G	0.367793	0.014139	0.00819853	0.0846038	-0.648498	0.0989852	5.70E-11	-0.0218027	0.013073	0.09536276	0.5895673	20	0.62482162
ENSG00000261377	15	RP11-578F21.12	29034810	rs147495388	15	29077969	C	T	0.167992	-0.00043	0.0141977	0.975839	-1.31931	0.0917367	6.76E-47	0.00032593	0.0107615	0.9758388	0.2905924	20	0.99169992
ENSG00000270055	15	CTD-3092A11.2	30780166	rs9672538	15	31672152	G	A	0.0497018	0.033123	0.0219856	0.13192	-1.12554	0.204968	3.99E-08	-0.0294285	0.0202552	0.1462549	0.8579893	4	0.65648756
ENSG00000270015	15	RP11-540B6.6	31218717	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	0.329516	0.0450643	2.63E-13	0.0466988	0.0256378	0.06853346	0.3802461	18	0.55697839
ENSG00000134160	15	TRPM1	31293264	rs3809579	15	31394322	T	C	0.584493	0.006059	0.00808677	0.453708	-0.975184	0.0868984	3.18E-29	-0.0062132	0.00831102	0.4547111	0.9344448	8	0.8574394
ENSG00000169918	15	OTUD7A	31775329	rs12439888	15	32145291	G	A	0.521869	0.0080541	0.00806548	0.317994	-0.538004	0.0611887	1.46E-18	-0.0149703	0.0150879	0.3210949	0.7132829	11	0.78627807
ENSG00000206127	15	GOLGA8O	32737307	rs12594943	15	32899868	T	C	0.355865	0.003767	0.00874843	0.666765	0.676132	0.101018	2.18E-11	0.0055714	0.0129657	0.6674115	0.286599	3	0.91912703
ENSG00000254912	15	RP11-632K20.2	32786204	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	1.05678	0.127084	9.13E-17	0.00044921	0.00908362	0.9605584	0.7560402	5	0.98990046
ENSG00000166923	15	GREM1	33010175	rs8037112	15	32962759	G	A	0.591451	-0.0060088	0.00823989	0.465863	0.51456	0.061665	7.16E-17	-0.0116775	0.0160745	0.4675572	0.9243281	4	0.8574394
ENSG00000248905	15	FMN1	33057747	rs189984032	15	33361882	C	A	0.0149105	-0.021656	0.0541785	0.689366	1.59342	0.212224	5.99E-14	-0.0135909	0.0340495	0.6897823	0.5196607	16	0.92162674
ENSG00000259446	15	RP11-489D6.2	33595858	rs2670948	15	33595844	T	G	0.518887	-0.0057639	0.00807599	0.475404	-0.8566	0.0913015	6.47E-21	0.00672886	0.0094552	0.4766772	0.4522356	20	0.8574394
ENSG00000184984	15	CHRM5	34260921	rs6495425	15	34276895	G	A	0.39662	-0.0085986	0.00817508	0.292889	0.819197	0.113028	4.24E-13	-0.0104964	0.0100839	0.2979214	0.3103288	9	0.77811352
ENSG00000248508	15	SRP14-AS1	40331512	rs8208	15	40328665	A	G	0.705765	-0.0076812	0.00867555	0.37595	0.398115	0.0513773	9.27E-15	-0.0192939	0.0219334	0.3790441	0.2574163	7	0.81183661
ENSG00000140323	15	DISP2	40650436	rs56221586	15	40650402	G	C	0.153082	0.011199	0.011441	0.327654	0.228702	0.0384749	2.78E-09	0.0489677	0.0506995	0.3341242	0.1994941	4	0.79584399
ENSG00000128944	15	KNSTRN	40674922	rs76994419	15	40714150	T	C	0.0954274	-0.0267312	0.0113594	0.018611	1.45204	0.1177	5.74E-35	-0.0184094	0.00796411	0.02080273	0.4016233	18	0.38925469
ENSG00000128928	15	IVD	40697686	rs7165012	15	40654038	G	A	0.532803	-0.0027433	0.00851829	0.747412	0.361337	0.0608328	2.85E-09	-0.0075922	0.023609	0.7477705	0.03315246	8	0.93233875
ENSG00000128891	15	C15orf57	40820882	rs28669075	15	40856521	T	C	0.474155	0.0285257	0.00831113	0.00059863	-0.515621	0.0604987	1.56E-17	-0.055323	0.0173766	0.00145375	0.0450418	20	0.1592668
ENSG00000137804	15	NUSAP1	41624892	rs28661013	15	41662317	A	C	0.256461	0.012282	0.00926252	0.184843	0.783146	0.106746	2.19E-13	0.0156829	0.0120189	0.1919445	0.05499804	20	0.69796387
ENSG00000103932	15	RPAP1	41809374	rs2297378	15	41816190	G	T	0.534791	0.00504056	0.0080828	0.532879	-0.443196	0.0575557	1.36E-14	-0.0113732	0.0182972	0.5342177	0.8061622	16	0.88257879
ENSG00000243708	15	PLA2G4B	42120283	rs2241522	15	42127734	G	A	0.355865	0.0165875	0.00823545	0.0439926	0.325536	0.0528098	7.08E-10	0.0509544	0.0266143	0.05555009	0.8367309	8	0.5349102
ENSG00000137877	15	SPTBN5	42140345	rs11070353	15	42191519	A	G	0.411531	-0.0168219	0.00828742	0.042376	-0.532648	0.0709695	6.13E-14	0.0315816	0.0161179	0.05006399	0.8752088	16	0.5173279
ENSG00000168803	15	ADAL	43622872	rs2243434	15	43689867	T	A	0.111332	-0.001457	0.0143065	0.918883	-0.918101	0.100198	5.05E-20	0.00158696	0.0155837	0.9188878	0.02911753	20	0.98004983
ENSG00000205771	15	CATSPER2P1	44019116	rs117091329	15	44036768	A	T	0.0357853	-0.0047462	0.0168625	0.778354	-1.2533	0.19577	1.53E-10	0.00378697	0.0134675	0.7785618	0.526982	17	0.94475423
ENSG00000185880	15	TRIM69	45021186	rs62025998	15	45090343	A	G	0.0506958	-0.0290144	0.0163105	0.0752593	-0.856199	0.116982	2.50E-13	0.0338874	0.0196045	0.0838885	0.519956	18	0.59571663
ENSG00000259479	15	CTD-2008A1.2	45118569	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	1.4158	0.190671	1.12E-13	0.00485653	0.0147882	0.7426045	0.3490204	13	0.93221202
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	1.06216	0.103957	1.66E-24	-0.0053171	0.00776895	0.4937238	0.3583369	20	0.86491849
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.85108	0.0786926	2.92E-27	-0.0061796	0.00962968	0.521051	0.2572422	20	0.87396207
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.78753	0.055094	2.38E-46	0.00782152	0.0117429	0.5053709	0.4405848	20	0.87207559
ENSG00000104112	15	SCG3	51973550	rs2606146	15	51985564	C	T	0.780318	-0.0113691	0.0115719	0.325867	0.27527	0.0485307	1.41E-08	-0.0413016	0.0426643	0.3330144	0.7388456	10	0.79445679
ENSG00000259577	15	RP11-430B1.2	52472290	rs8025737	15	52483350	C	T	0.17992	0.0047516	0.0116059	0.682238	-0.428552	0.064239	2.54E-11	-0.0110876	0.0271326	0.6828012	0.9274579	12	0.92024574
ENSG00000069974	15	RAB27A	55495164	rs11635532	15	55600692	G	C	0.121272	-0.0110709	0.0125068	0.376052	0.585842	0.0877618	2.47E-11	-0.0188974	0.0215353	0.3802103	0.404545	5	0.81183661
ENSG00000245975	15	RP11-30K9.6	59060271	rs17269439	15	59063144	A	C	0.0298211	-0.0028142	0.0244086	0.908212	1.20111	0.190723	3.02E-10	-0.002343	0.0203251	0.9082279	0.5281852	11	0.97758476
ENSG00000103642	15	LACTB	63413999	rs2652822	15	63422772	C	T	0.492048	-0.0070511	0.00805514	0.381381	0.539056	0.0714154	4.41E-14	-0.0130805	0.0150432	0.3845592	0.1701121	20	0.81183661
ENSG00000185088	15	RPS27L	63418071	rs8039273	15	63461363	G	A	0.104374	0.00659301	0.0125865	0.600406	-0.470432	0.079111	2.74E-09	-0.0140148	0.0268588	0.6018128	0.8964467	9	0.90240315
ENSG00000090487	15	SPG21	65255362	rs17229765	15	65258834	A	G	0.425447	-0.0172551	0.00820972	0.0355713	-0.426018	0.061837	5.60E-12	0.0405032	0.0201477	0.04439756	0.9886551	12	0.49499979
ENSG00000166938	15	DIS3L	66585555	rs12911848	15	66817545	A	G	0.431412	-0.0112874	0.00821248	0.169313	-0.480081	0.0659448	3.34E-13	0.0235114	0.0174086	0.1768357	0.3816946	6	0.68793301
ENSG00000075131	15	TIPIN	66628544	rs35290772	15	66775097	G	T	0.107356	-0.0012475	0.0149137	0.933336	1.59581	0.191802	8.79E-17	-0.0007817	0.00934601	0.9333397	0.9380529	6	0.98788494
ENSG00000260657	15	RP11-315D16.4	68560130	rs55941639	15	68570166	A	G	0.356859	0.00101012	0.00901602	0.910795	0.830652	0.0992755	5.90E-17	0.00121606	0.0108551	0.9108027	0.9930101	14	0.97758476
ENSG00000166173	15	LARP6	71123863	rs2031017	15	71169352	T	A	0.605368	0.00299475	0.00803359	0.709313	-0.243813	0.0412291	3.35E-09	-0.012283	0.0330152	0.709863	0.9551252	5	0.92728645
ENSG00000178802	15	MPI	75182346	rs11072511	15	75159433	G	A	0.513917	0.00772064	0.0081037	0.340727	0.326416	0.0546073	2.27E-09	0.0236528	0.0251397	0.3467794	0.3453103	20	0.80906288
ENSG00000140400	15	MAN2C1	75648133	rs4368141	15	75681000	G	C	0.2833	0.00068207	0.0100176	0.945716	0.4754	0.0464355	1.34E-24	0.00143472	0.0210724	0.9457177	0.05624876	20	0.98990046
ENSG00000169752	15	NRG4	76228310	rs4886747	15	76151081	A	G	0.802187	0.00937049	0.0103566	0.365579	0.513753	0.0647497	2.11E-15	0.0182393	0.0202894	0.3686748	0.6033299	12	0.81024032
ENSG00000173517	15	PEAK1	77400471	rs907376	15	77873397	C	T	0.759443	0.00318944	0.0098576	0.746279	-0.364108	0.062509	5.71E-09	-0.0087596	0.027115	0.7466548	0.4076998	17	0.93221202
ENSG00000260776	15	RP11-114H24.2	78206559	rs62008593	15	78234461	A	G	0.484095	0.00414169	0.00814108	0.610935	0.956227	0.0849181	2.05E-29	0.00433128	0.00852244	0.6112982	0.1570326	20	0.90773051
ENSG00000136425	15	CIB2	78396948	rs72732574	15	78432059	T	C	0.168986	0.00840909	0.00988739	0.395054	0.57196	0.0742682	1.35E-14	0.0147022	0.017392	0.3979171	0.7518051	16	0.82021696
ENSG00000169684	15	CHRNA5	78857862	rs7164030	15	78844661	A	G	0.624254	-0.0019536	0.00829898	0.813898	-0.88489	0.0836702	3.85E-26	0.00220771	0.00938087	0.8139435	0.9656174	20	0.95563415
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.835548	0.0787192	2.56E-26	-0.0053309	0.0097195	0.5833671	0.5994795	11	0.90051062
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-0.788333	0.0852558	2.32E-20	0.00071195	0.013136	0.9567771	0.3500721	13	0.98990046
ENSG00000188659	15	FAM154B	82555151	rs2455717	15	82427605	T	A	0.407555	0.00533313	0.00807809	0.509128	0.396798	0.0655083	1.38E-09	0.0134404	0.0204788	0.5116246	0.1601045	5	0.87396207
ENSG00000255769	15	RP11-152F13.3	82765134	rs116987284	15	82430962	C	T	0.0198807	-0.0237004	0.020917	0.257185	-1.27671	0.221068	7.69E-09	0.0185637	0.0166959	0.2661935	0.6004994	17	0.75505733
ENSG00000169609	15	C15orf40	83657193	rs62010170	15	83709325	A	G	0.191849	-0.0133319	0.0101801	0.190331	-0.833336	0.109789	3.19E-14	0.0159982	0.0123966	0.1968646	0.8211603	20	0.70517946
ENSG00000225151	15	AC103965.1	84867600	rs12902973	15	85105982	C	G	0.2833	-0.019552	0.00893224	0.0286022	-0.714257	0.109252	6.25E-11	0.0273739	0.013188	0.03792427	0.208254	19	0.45531046
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.976112	0.126882	1.44E-14	0.00736073	0.0106389	0.4890201	0.1539393	20	0.86148834
ENSG00000230373	15	GOLGA6L5	85051116	rs6496090	15	85140587	A	G	0.761431	-0.0076981	0.00965467	0.425253	-0.661955	0.109301	1.39E-09	0.0116293	0.0147109	0.4292242	0.9233333	5	0.84985573
ENSG00000176700	15	SCAND2P	85174682	rs3748374	15	85184243	G	A	0.136183	0.00719491	0.0109168	0.509854	0.620918	0.0924298	1.85E-11	0.0115875	0.0176661	0.5118766	0.540684	19	0.87396207
ENSG00000259295	15	CSPG4P12	85734669	rs11074002	15	85729182	A	C	0.5666	-0.0021646	0.00815149	0.790591	-0.66058	0.100124	4.18E-11	0.00327679	0.0123499	0.7907558	0.820817	13	0.94831585
ENSG00000229212	15	RP11-561C5.4	85747141	rs3106310	15	85795151	C	T	0.670974	-0.0007019	0.00854801	0.934553	-0.646498	0.0963196	1.92E-11	0.00108576	0.013223	0.9345581	0.8485069	8	0.98788494
ENSG00000170776	15	AKAP13	85923802	rs72756503	15	86062567	T	C	0.129225	-0.006224	0.0113241	0.582578	0.402285	0.0666749	1.60E-09	-0.0154716	0.028266	0.5841329	0.4666804	11	0.90051062
ENSG00000140545	15	MFGE8	89441916	rs56125208	15	89516263	A	G	0.644135	-0.0022992	0.008436	0.785205	0.472203	0.0805554	4.58E-09	-0.004869	0.0178845	0.7854309	0.0635666	10	0.94656347
ENSG00000261478	15	RP11-429B14.4	90052192	rs11631926	15	90053254	A	G	0.332008	-0.0024376	0.00834503	0.770208	0.539937	0.0809807	2.60E-11	-0.0045146	0.0154704	0.7704227	0.9275629	3	0.9411141
ENSG00000157823	15	AP3S2	90373831	rs28615960	15	90411208	T	C	0.745527	0.00853535	0.00926009	0.356666	-0.389831	0.0523683	9.77E-14	-0.021895	0.0239355	0.3603232	0.06619148	4	0.80906288
ENSG00000185043	15	CIB1	90773207	rs9744242	15	90776375	C	T	0.535785	-0.0104093	0.00808948	0.198176	0.274762	0.0479314	9.90E-09	-0.0378848	0.0301744	0.2092876	0.3046527	12	0.72288156
ENSG00000140575	15	IQGAP1	90931450	rs16944424	15	90983465	G	A	0.17495	-0.0124461	0.0101313	0.219267	0.502156	0.0450595	7.64E-29	-0.0247853	0.0202978	0.2220544	0.02290963	20	0.72895982
ENSG00000166965	15	RCCD1	91498100	rs1105291	15	91502383	T	C	0.144135	0.00016998	0.0110982	0.98778	0.492903	0.0744118	3.50E-11	0.00034485	0.0225161	0.9877803	0.2591545	8	0.99474084
ENSG00000182253	15	SYNM	99638420	rs2623180	15	99739527	C	G	0.65507	-0.0111251	0.00818074	0.173856	-0.421448	0.0670394	3.25E-10	0.0263973	0.01986	0.1837918	0.570481	16	0.69154994
ENSG00000103852	15	TTC23	99676528	rs62023767	15	99791392	A	C	0.472167	0.00197794	0.00813187	0.807825	-0.608293	0.064501	4.07E-21	-0.0032516	0.0133728	0.8078875	0.1124597	20	0.95173338
ENSG00000183060	15	LYSMD4	100255902	rs35747287	15	100273607	C	G	0.682903	-0.0006434	0.00862168	0.940509	-0.947188	0.0859447	3.03E-28	0.00067932	0.0091026	0.94051	0.2732935	20	0.98990046
ENSG00000182397	15	DNM1P46	100330361	rs11855419	15	100327480	T	C	0.297217	0.0043911	0.00889327	0.62148	-0.687425	0.108321	2.21E-10	-0.0063878	0.0129762	0.6225301	0.80413	8	0.91218503
ENSG00000259363	15	CTD-2054N24.2	100347228	rs12101368	15	100412680	T	C	0.286282	0.00420242	0.00871217	0.629548	-0.636233	0.109614	6.46E-09	-0.0066052	0.0137406	0.6307262	0.7727671	15	0.9171315
ENSG00000254744	15	CTD-3076O17.1	100510420	rs2727189	15	100500445	C	T	0.789264	0.00939391	0.00985955	0.340705	-0.630773	0.111442	1.51E-08	-0.0148927	0.0158508	0.3474462	0.8059624	4	0.80906288
ENSG00000140470	15	ADAMTS17	100511794	rs28685197	15	100595438	G	A	0.22664	0.0013056	0.00902921	0.885029	-0.410933	0.0704144	5.35E-09	-0.0031772	0.0219792	0.8850638	0.5020248	8	0.97758476
ENSG00000270127	15	RP11-526I2.5	101087972	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-1.0601	0.0772654	7.68E-43	0.00275464	0.00766125	0.7191803	0.2319894	20	0.92829712
ENSG00000259205	15	PRKXP1	101093734	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.956131	0.0867568	3.03E-28	0.00347532	0.00850708	0.6828913	0.1264353	20	0.92024574
ENSG00000259658	15	RP11-89K11.1	102277302	rs1052887	15	102277480	C	G	0.225646	0.00968434	0.0100633	0.335875	0.656861	0.0887929	1.39E-13	0.0147434	0.0154494	0.339931	0.8719278	17	0.80140373
ENSG00000185596	15	WASH3P	102501356	rs2203348	15	102366849	A	G	0.759443	0.0197164	0.00914337	0.0310556	-0.630687	0.104718	1.72E-09	-0.0312618	0.0153987	0.04234039	0.9543968	13	0.48319225
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.828052	0.0962932	8.02E-18	0.00598508	0.0127729	0.6393719	0.7258758	11	0.91912703
ENSG00000103148	16	NPRL3	134273	rs2562191	16	178543	A	G	0.382704	0.00270923	0.00818324	0.740592	-0.530254	0.0562441	4.19E-21	-0.0051093	0.0154422	0.7407452	0.1746239	12	0.93221202
ENSG00000268836	16	LA16c-OS12.2	235747	rs72765809	16	282890	C	T	0.482107	0.0144615	0.00808035	0.0735005	0.657346	0.0903022	3.35E-13	0.0219998	0.0126585	0.08221863	0.9258542	20	0.59461506
ENSG00000076344	16	RGS11	318300	rs3743881	16	326040	T	A	0.472167	0.0119918	0.00808971	0.138247	-0.298938	0.0457103	6.16E-11	-0.0401147	0.027748	0.148267	0.4690039	4	0.65648756
ENSG00000086504	16	MRPL28	417384	rs11640037	16	423842	A	C	0.512922	0.018826	0.00808818	0.0199338	-0.173355	0.0282685	8.65E-10	-0.108598	0.0499044	0.0295464	0.07804657	19	0.43523314
ENSG00000103202	16	NME4	446725	rs11863625	16	449934	C	T	0.364811	0.00847105	0.00811663	0.29664	-0.243306	0.0413285	3.93E-09	-0.0348164	0.0338799	0.304118	0.5729318	9	0.77854243
ENSG00000242612	16	DECR2	451826	rs12447562	16	468450	T	C	0.464215	0.0124218	0.00810202	0.125233	0.438103	0.0630226	3.61E-12	0.0283536	0.0189379	0.1343434	0.3992397	18	0.64900038
ENSG00000007541	16	PIGQ	616995	rs4984891	16	622234	A	T	0.425447	0.0225015	0.0080588	0.00523576	-0.257994	0.0385763	2.26E-11	-0.0872171	0.0338494	0.00997704	0.3750967	9	0.30239181
ENSG00000127578	16	WFIKKN1	679239	rs35915772	16	679274	A	G	0.254473	0.0232637	0.00860796	0.0068805	0.852206	0.0764833	7.80E-29	0.0272982	0.0103937	0.00862865	0.3331881	20	0.2913901
ENSG00000103245	16	NARFL	779753	rs13338700	16	781292	T	C	0.238569	5.43E-05	0.00867358	0.995009	0.336148	0.0609759	3.53E-08	0.0001614	0.0258029	0.9950093	0.3748412	3	0.99741038
ENSG00000103227	16	LMF1	903634	rs59925733	16	997475	T	C	0.127237	-0.0111842	0.0153995	0.467673	0.576652	0.083528	5.07E-12	-0.0193951	0.0268524	0.4701196	0.5435939	20	0.8574394
ENSG00000260807	16	RP11-161M6.2	1025761	rs12932842	16	1033116	G	C	0.135189	-0.0143144	0.0151156	0.343639	-0.417852	0.0735237	1.32E-08	0.0342571	0.0366733	0.3502441	0.941116	3	0.80906288
ENSG00000197253	16	TPSB2	1277272	rs9927989	16	1297145	C	A	0.736581	0.00599158	0.00978719	0.540415	-0.794651	0.11754	1.37E-11	-0.0075399	0.0123667	0.5420662	0.9646108	8	0.88454878
ENSG00000095917	16	TPSD1	1306060	rs3874639	16	1294822	G	A	0.511928	0.00219776	0.00841389	0.793933	0.76144	0.100627	3.82E-14	0.00288632	0.0110566	0.7940534	0.6602126	14	0.94845572
ENSG00000007516	16	BAIAP3	1383602	rs4984814	16	1385650	C	A	0.457256	0.00802672	0.00808235	0.320654	0.338543	0.0461969	2.33E-13	0.0237096	0.0240922	0.3250559	0.947436	11	0.78801647
ENSG00000197599	16	CCDC154	1484384	rs11639937	16	1487131	A	G	0.111332	0.0221586	0.0154429	0.151324	0.838348	0.103997	7.55E-16	0.0264313	0.0187102	0.1577531	0.05219185	20	0.66596177
ENSG00000095906	16	NUBP2	1832902	rs1065656	16	1838836	G	C	0.675944	0.00628068	0.00816973	0.442027	0.234249	0.0421339	2.70E-08	0.026812	0.0352081	0.4463415	0.7613061	9	0.85482403
ENSG00000063854	16	HAGH	1845621	rs61589779	16	1899115	A	G	0.128231	-0.0124361	0.0118556	0.294192	0.308047	0.0530459	6.35E-09	-0.0403708	0.0391092	0.3019508	0.5245244	18	0.77854243
ENSG00000180185	16	FAHD1	1876968	rs11642119	16	1891724	G	A	0.180915	-0.0005471	0.00929634	0.953071	0.628808	0.0617079	2.20E-24	-0.00087	0.0147843	0.953072	0.6133429	20	0.98990046
ENSG00000255513	16	AC005363.9	2013746	rs115975390	16	2022814	C	T	0.0149105	-0.0229921	0.0342775	0.502372	1.57211	0.220345	9.69E-13	-0.014625	0.0218996	0.5042492	0.809927	9	0.87204462
ENSG00000255198	16	SNHG9	2014960	rs30252	16	2005982	T	C	0.67495	0.0040617	0.00856326	0.635274	0.458891	0.0734349	4.13E-10	0.00885112	0.0187144	0.6362442	0.5544207	4	0.91912703
ENSG00000259933	16	RP11-304L19.1	2141437	rs1051771	16	2138584	C	G	0.101392	0.0167756	0.0116909	0.151309	0.782719	0.141627	3.26E-08	0.0214325	0.0154315	0.16487	0.8503562	6	0.67262324
ENSG00000167965	16	MLST8	2254249	rs26864	16	2253918	T	C	0.400596	-0.0110809	0.00815178	0.174044	0.198555	0.0332504	2.35E-09	-0.0558077	0.0421058	0.1850331	0.4072412	20	0.69282369
ENSG00000261613	16	RP11-20I23.13	2604061	rs12185166	16	2713728	T	C	0.261431	0.00710752	0.0091735	0.438465	1.26826	0.125827	6.81E-24	0.00560415	0.00725448	0.4398128	0.300711	10	0.85440418
ENSG00000260176	16	CTD-3126B10.4	2694085	rs4786314	16	2712028	A	G	0.403579	0.00776834	0.00846622	0.358844	-0.8722	0.11782	1.33E-13	-0.0089066	0.00978102	0.3625058	0.08868682	4	0.80906288
ENSG00000260565	16	ERVK13-1	2710350	rs4283228	16	2716435	G	A	0.403579	0.00771816	0.00846892	0.36211	-0.844601	0.0770551	5.88E-28	-0.0091382	0.0100617	0.3637634	0.3233154	9	0.80906288
ENSG00000263280	16	LA16c-325D7.2	2916349	rs17660212	16	2918292	G	A	0.39662	0.00673976	0.00874778	0.441031	0.807669	0.0984127	2.27E-16	0.00834471	0.0108785	0.4430334	0.5633156	12	0.85482403
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.846224	0.0633315	1.01E-40	0.00970283	0.0097093	0.3176329	0.3905593	20	0.78445129
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2717705	16	3053466	C	G	0.615308	-0.0102985	0.00819718	0.20899	0.751829	0.066962	2.98E-29	-0.0136979	0.010971	0.2118281	0.7414606	20	0.72409396

ENSG00000213937	16	CLDN9	3062457	rs2524316	16	3054011	G	C	0.612326	-0.0097591	0.00819861	0.233914	0.52035	0.069502	7.06E-14	-0.0187549	0.0159539	0.239766	0.5022005	16	0.74413587
ENSG00000008517	16	IL32	3115298	rs45499297	16	3115272	C	T	0.112326	0.00804293	0.0190773	0.673319	-0.696833	0.106346	5.66E-11	-0.0115421	0.0274338	0.6739545	0.9958485	4	0.91998176
ENSG00000263072	16	RP11-473M20.14	3166043	rs11649450	16	3181996	A	G	0.374751	0.0164587	0.00855509	0.0543726	0.693551	0.0769898	2.09E-19	0.0237311	0.0126134	0.05991451	0.2620832	20	0.54438791
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	0.97247	0.0922146	5.32E-26	0.0190959	0.0145139	0.1882768	0.00015636	20	0.69706045
ENSG00000167984	16	NLRC3	3589033	rs62037803	16	3677348	T	C	0.133201	0.0144557	0.0137257	0.292258	-1.0929	0.13749	1.88E-15	-0.0132269	0.0126687	0.2964573	0.01244152	20	0.77811352
ENSG00000126602	16	TRAP1	3701640	rs4786429	16	3728517	T	C	0.715706	0.00050418	0.00957198	0.957993	0.372196	0.0582188	1.63E-10	0.0013546	0.0257185	0.9579946	0.01573383	6	0.98990046
ENSG00000262246	16	CORO7	4404543	rs9925719	16	4461861	G	A	0.749503	0.00249839	0.00918226	0.785554	0.437171	0.0577396	3.69E-14	0.0057149	0.0210174	0.7856887	0.7754179	20	0.94656347
ENSG00000153406	16	NMRAL1	4511681	rs4786514	16	4576798	C	A	0.709742	0.0006782	0.00924975	0.941551	-0.591299	0.0730397	5.70E-16	-0.001147	0.0156437	0.9415532	0.267183	19	0.98990046
ENSG00000102858	16	MGRN1	4666494	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	0.607892	0.0531603	2.79E-30	0.00869651	0.0135201	0.520075	0.6524421	20	0.87396207
ENSG00000103199	16	ZNF500	4798240	rs4786546	16	4814767	A	G	0.604374	0.0143748	0.00831206	0.0837394	-0.374384	0.0624433	2.03E-09	-0.0383959	0.0231071	0.09658355	0.1615114	15	0.6268876
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.869929	0.0850055	1.40E-24	0.00454995	0.00936523	0.627085	0.1152471	20	0.9151915
ENSG00000267795	16	SMIM22	4838398	rs3827528	16	4853092	C	T	0.417495	0.00114422	0.0082951	0.890288	0.513777	0.0777872	3.98E-11	0.00222708	0.0161489	0.8903122	0.1646323	20	0.97758476
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	0.990564	0.0993873	2.13E-23	-0.0209815	0.0104772	0.04522223	0.0291706	20	0.49499979
ENSG00000067365	16	METTL22	8715540	rs1730982	16	8743015	A	G	0.11829	0.0079751	0.0158523	0.614904	-0.646098	0.10472	6.84E-10	-0.0123435	0.0246169	0.616073	0.458225	16	0.90879519
ENSG00000261810	16	RP11-895K13.2	10127541	rs2650427	16	10114558	C	T	0.61332	0.0140377	0.00817204	0.0858381	0.507466	0.0881194	8.47E-09	0.0276623	0.0168048	0.0997427	0.2234256	7	0.62987719
ENSG00000263033	16	RP11-396B14.2	11290034	rs248829	16	11281068	C	G	0.662028	-0.0150238	0.00895933	0.0935643	-0.539502	0.0931209	6.89E-09	0.0278475	0.0172883	0.107229	0.07597914	7	0.62987719
ENSG00000175643	16	RMI2	11343476	rs12447782	16	11437388	T	C	0.263419	-0.006224	0.00868117	0.473404	-0.703269	0.0734994	1.09E-21	0.00885006	0.0123786	0.4746422	0.3938015	20	0.8574394
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.13772	0.0786028	1.76E-47	0.00484389	0.00710389	0.495325	0.044365	20	0.86598487
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.646137	0.0882822	2.50E-13	0.0277974	0.0132319	0.03565955	0.7382615	14	0.45161515
ENSG00000260735	16	RP11-72I8.1	15188268	rs12446556	16	15282766	T	C	0.76839	-0.0193155	0.00974207	0.0474024	-0.69444	0.114886	1.50E-09	0.0278145	0.0147641	0.05957428	0.2750694	15	0.54438791
ENSG00000188599	16	NPIPP1	15198178	rs28360901	16	15189841	G	C	0.848907	-0.0336146	0.0122172	0.0059339	-0.503948	0.0745203	1.36E-11	0.0667025	0.0261727	0.01081711	0.00024163	10	0.30239181
ENSG00000183793	16	NPIPA5	15457516	rs78127107	16	15279867	T	C	0.562624	-0.0125511	0.00830393	0.130669	0.875395	0.0978254	3.60E-19	-0.0143376	0.00962029	0.1361309	0.1889735	19	0.64900038
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.294111	0.0316077	1.34E-20	-0.0052566	0.0312683	0.8664958	0.3796164	20	0.97612159
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.825053	0.0641129	6.75E-38	0.00187383	0.0111455	0.8664855	0.4276088	20	0.97612159
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.696126	0.0902623	1.24E-14	-0.022853	0.0158172	0.1485071	0.7986017	7	0.65648756
ENSG00000227827	16	RP11-958N24.2	16450081	rs62030357	16	16306192	T	G	0.201789	0.0128319	0.012515	0.305209	1.02	0.122489	8.27E-17	0.0125803	0.0123623	0.3088506	0.498097	10	0.77917725
ENSG00000103544	16	C16orf62	19566562	rs2019186	16	19698234	G	C	0.271372	-0.0280945	0.00856835	0.00104225	-0.285113	0.0502723	1.42E-08	0.0985381	0.0347135	0.00453107	0.9506554	10	0.24130836
ENSG00000103550	16	KNOP1	19714902	rs1016971	16	19718725	A	T	0.162028	0.0270098	0.0112995	0.0168318	1.12987	0.0931539	7.41E-34	0.0239052	0.0101931	0.01901464	0.07033326	20	0.38719027
ENSG00000261195	16	CTD-2380F24.1	19772494	rs2047889	16	19777705	A	C	0.16004	0.0211608	0.0115078	0.0659417	-0.633542	0.0785774	7.47E-16	-0.0334008	0.0186306	0.07300684	0.04284929	10	0.56369965
ENSG00000260306	16	RP11-645C24.5	21805416	rs4783352	16	21822469	G	A	0.199801	-0.0374486	0.00908361	3.75E-05	-0.681576	0.112256	1.27E-09	0.0549441	0.0161093	0.00064794	0.01308138	3	0.1592668
ENSG00000103356	16	EARS2	23533335	rs4967958	16	23528123	C	T	0.83499	0.00965759	0.00973755	0.321301	0.45202	0.0640518	1.70E-12	0.0213654	0.021754	0.3260324	0.3136483	14	0.78832281
ENSG00000103522	16	IL21R	27413483	rs9923875	16	27685331	A	G	0.15507	0.035304	0.0122073	0.00382745	-0.686118	0.121813	1.78E-08	-0.0514547	0.02	0.01009002	0.3250062	8	0.30239181
ENSG00000259954	16	IL21R-AS1	27458990	rs232085	16	27536582	A	G	0.161034	0.0325749	0.0118931	0.00616325	-1.07142	0.102922	2.23E-25	-0.0304035	0.0114781	0.00807723	0.08231177	20	0.2913901
ENSG00000261329	16	CTD-2049O4.1	27690261	rs56265493	16	27708346	A	G	0.082505	-0.0083293	0.013759	0.544934	-0.464678	0.0723974	1.38E-10	0.0179248	0.0297412	0.5467127	0.6542945	3	0.88780189
ENSG00000233232	16	NPIPB7	28467693	rs62034325	16	28538640	G	A	0.327038	-0.0065976	0.00807708	0.414025	-0.622593	0.109153	1.17E-08	0.010597	0.0131056	0.4187557	0.4576913	17	0.84197056
ENSG00000197165	16	SULT1A2	28603264	rs62031562	16	28609329	T	A	0.317097	-0.0097261	0.00812659	0.231377	0.744827	0.093388	1.52E-15	-0.0130581	0.0110329	0.2365847	0.9667401	20	0.73933633
ENSG00000251417	16	RP11-1348G14.4	28814097	rs34836	16	28494823	G	A	0.394632	-0.0109932	0.00810485	0.174981	-0.58237	0.101617	9.98E-09	0.0188767	0.0143015	0.186865	0.9860188	13	0.69552859
ENSG00000178952	16	TUFM	28853732	rs7187776	16	28857645	G	A	0.341948	-0.0103296	0.00812797	0.203774	0.277845	0.0441282	3.05E-10	-0.0371776	0.0298436	0.212857	0.9913046	20	0.72409396
ENSG00000103472	16	RRN3P2	29086163	rs1641994	16	29119880	C	T	0.54175	-0.0120125	0.00813445	0.139743	-0.389546	0.0586883	3.19E-11	0.0308372	0.0213924	0.1494439	0.9303614	12	0.65648756
ENSG00000271699	16	SNX29P2	29362067	rs57518488	16	29325503	G	A	0.343936	0.00135975	0.00822018	0.868617	-0.460235	0.0818093	1.85E-08	-0.0029545	0.0178686	0.8686727	0.2900624	14	0.97612159
ENSG00000183336	16	BOLA2	29464914	rs1132812	16	30198151	G	A	0.570577	0.00890879	0.00825654	0.280589	0.478648	0.0838698	1.15E-08	0.0186124	0.0175553	0.2890466	0.3011541	5	0.76869371
ENSG00000103485	16	QPRT	29674600	rs17842268	16	29684180	C	T	0.392644	0.0142783	0.00816845	0.0804674	-0.409342	0.0578689	1.51E-12	-0.0348811	0.0205553	0.08970845	0.5750519	5	0.60971023
ENSG00000149922	16	TBX6	30097114	rs3809627	16	30103160	A	C	0.416501	0.0231229	0.00805391	0.00409157	-0.35683	0.0615409	6.70E-09	-0.0648009	0.0251861	0.01008549	0.4294555	5	0.30239181
ENSG00000102882	16	MAPK3	30125426	rs4232893	16	30423751	A	G	0.848907	-0.0162667	0.0107041	0.128594	0.37268	0.0616808	1.52E-09	-0.0436479	0.0296165	0.1405436	0.02010364	18	0.6493459
ENSG00000196118	16	C16orf93	30768744	rs13338946	16	30700858	C	T	0.284294	-0.010106	0.00917651	0.270771	-0.281197	0.0457867	8.18E-10	0.0359392	0.0331543	0.278365	0.1802873	3	0.75867672
ENSG00000260911	16	RP11-196G11.2	31054471	rs4468641	16	31096876	C	A	0.37674	-0.002773	0.00823275	0.736251	0.295643	0.0510812	7.14E-09	-0.0093795	0.027894	0.7366792	0.9819826	5	0.93184086
ENSG00000103510	16	KAT8	31127075	rs60996860	16	31134213	A	T	0.295229	-0.0084807	0.00858985	0.323498	0.32254	0.0558974	7.92E-09	-0.0262935	0.0270189	0.3304777	0.9059555	9	0.79445679
ENSG00000155393	16	HEATR3	50099852	rs12931497	16	50109478	A	G	0.713718	0.00093028	0.00953541	0.922281	0.810094	0.0886533	6.38E-20	0.00114836	0.0117714	0.9222854	0.02040163	20	0.98254609
ENSG00000103479	16	RBL2	53467889	rs9302648	16	53527781	T	G	0.461233	0.00118151	0.00849201	0.889346	-0.294683	0.0357203	1.59E-16	-0.0040094	0.0288215	0.8893615	0.5354852	15	0.97758476
ENSG00000159387	16	IRX6	55357672	rs30939	16	55323705	G	T	0.449304	-0.0028987	0.00816662	0.722635	0.683567	0.102605	2.70E-11	-0.0042405	0.011964	0.7230121	0.4515863	11	0.92829712
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	0.906077	0.132037	6.78E-12	-0.0091509	0.0121894	0.4528136	0.2633822	3	0.8574394
ENSG00000169715	16	MT1E	56659387	rs1610215	16	56659525	G	C	0.548708	-0.0160147	0.00812368	0.0486833	0.382118	0.0643011	2.80E-09	-0.0419104	0.0223989	0.0613321	0.267186	5	0.54438791
ENSG00000103021	16	CCDC113	58265061	rs59356903	16	58308296	A	G	0.131213	-0.0141565	0.00960985	0.140717	-0.293926	0.0533189	3.54E-08	0.0481635	0.0338421	0.1546827	0.2999787	3	0.66328012
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.936305	0.0823713	6.11E-30	-0.015612	0.00907464	0.08535987	0.3537578	20	0.59822674
ENSG00000141076	16	CIRH1A	69165194	rs75086474	16	69431163	A	G	0.0308151	0.0462288	0.0246438	0.0606722	-0.919447	0.121692	4.17E-14	-0.0502789	0.0276166	0.06866692	0.2667183	18	0.55697839
ENSG00000157322	16	CLEC18A	69984810	rs62052489	16	70116665	C	T	0.407555	-0.0032924	0.00807376	0.68343	-1.0309	0.0968625	1.88E-26	0.00319369	0.00783751	0.6836491	0.00972565	20	0.92024574
ENSG00000226232	16	RP11-419C5.2	70010291	rs3874545	16	70024547	T	G	0.377734	-0.0004413	0.00845209	0.958363	-0.829341	0.076832	3.67E-27	0.00053207	0.0101915	0.9583637	0.1359762	20	0.98990046
ENSG00000255185	16	PDXDC2P	70044654	rs4985460	16	69964374	A	G	0.390656	-0.0065562	0.00808809	0.417599	-0.445872	0.0619133	5.95E-13	0.0147041	0.0182545	0.4205274	0.2804538	20	0.84308437
ENSG00000261556	16	RP11-296I10.6	70253477	rs9924898	16	70241566	A	G	0.531809	-0.0240992	0.00824229	0.00345732	-0.529156	0.0524714	6.46E-24	0.0455427	0.0162178	0.00498192	0.02299309	20	0.25868599
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.632528	0.0471198	4.38E-41	0.0382072	0.0133311	0.00415664	0.00999728	20	0.24130836
ENSG00000102967	16	DHODH	72042487	rs3213422	16	72042682	C	A	0.49006	-0.0052152	0.00807601	0.518435	-0.442751	0.0648971	8.96E-12	0.011779	0.0183221	0.5202981	0.00029416	8	0.87396207
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	1.22466	0.113759	5.02E-27	0.00719955	0.00836835	0.3896065	0.01512378	20	0.81246255
ENSG00000168411	16	RFWD3	74655292	rs62051918	16	74613781	C	T	0.187873	-0.0042956	0.010818	0.691312	0.62096	0.0732437	2.29E-17	-0.0069176	0.0174405	0.6916333	0.3021024	15	0.92251355
ENSG00000184517	16	ZFP1	75182390	rs7189851	16	75187678	G	A	0.0198807	0.0577521	0.0298871	0.0533175	-1.02446	0.16498	5.31E-10	-0.0563732	0.0305534	0.06502723	0.8451571	4	0.55494674
ENSG00000065457	16	ADAT1	75630879	rs59297469	16	75680507	G	T	0.32505	0.00471505	0.00847495	0.577971	0.512187	0.0824316	5.18E-10	0.00920572	0.0166128	0.5794868	0.08297884	20	0.90007051
ENSG00000152910	16	CNTNAP4	76311176	rs77492932	16	75982586	C	T	0.0129225	-0.0151319	0.0348797	0.664411	-0.974696	0.138096	1.69E-12	0.0155247	0.0358527	0.6650046	0.8430124	12	0.91912703
ENSG00000205078	16	SYCE1L	77233294	rs8398	16	77233338	T	C	0.260437	-0.0136137	0.00898869	0.129889	1.07656	0.0996945	3.50E-27	-0.0126456	0.00843118	0.1336515	0.1646036	20	0.64900038
ENSG00000140873	16	ADAMTS18	77281710	rs2562115	16	77394592	G	A	0.592445	0.00175468	0.00805877	0.827636	-1.15891	0.0968395	5.27E-33	-0.0015141	0.0069549	0.8276633	0.6658309	20	0.96197911
ENSG00000140876	16	NUDT7	77756411	rs4888670	16	77783508	T	G	0.547714	0.00533315	0.00813789	0.512243	0.519198	0.0947935	4.32E-08	0.0102719	0.0157858	0.5152359	0.569477	8	0.87396207
ENSG00000261390	16	RP11-345M22.2	79750622	rs17767281	16	79742441	C	T	0.413519	0.0142799	0.0084483	0.0909767	-0.670574	0.0869566	1.24E-14	-0.021295	0.0128977	0.09872354	0.4475576	15	0.62987719
ENSG00000260213	16	RP11-303E16.3	81050397	rs11150334	16	81042542	T	A	0.232604	-0.002815	0.00865915	0.745109	-0.61394	0.0844226	3.54E-13	0.0045852	0.0141183	0.7453552	0.6379836	20	0.93221202
ENSG00000197943	16	PLCG2	81772702	rs7199267	16	81928739	A	T	0.360835	0.0293027	0.00812081	0.00030816	0.398633	0.0627733	2.15E-10	0.073508	0.0234306	0.00170534	0.426251	6	0.1592668
ENSG00000135698	16	MPHOSPH6	82181403	rs11645045	16	82202137	A	G	0.769384	-0.0156658	0.0106291	0.14052	-0.301621	0.0538224	2.09E-08	0.0519387	0.0364383	0.1540454	0.9332332	8	0.66242711
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.497054	0.0521228	1.48E-21	-0.0055743	0.0162641	0.731799	0.1272242	20	0.9296309
ENSG00000135686	16	KLHL36	84682131	rs12445708	16	84692572	T	C	0.347913	0.00281722	0.00923901	0.760423	-0.371172	0.0616005	1.69E-09	-0.0075901	0.0249233	0.7607189	0.936785	8	0.93911056
ENSG00000270020	16	RP11-463O9.9	86553989	rs11642368	16	86568701	A	T	0.605368	0.00250925	0.00844594	0.766394	-0.797534	0.0830176	7.48E-22	-0.0031463	0.0105951	0.7665021	0.316909	20	0.94048369
ENSG00000104731	16	KLHDC4	87730091	rs12448121	16	87773918	T	C	0.257455	0.00817431	0.0105283	0.437505	0.393619	0.0578398	1.01E-11	0.0207671	0.026921	0.4404646	0.4095005	12	0.85440418
ENSG00000174990	16	CA5A	87921625	rs6540098	16	87933770	C	T	0.281312	0.00860125	0.00966187	0.373345	0.413574	0.0747536	3.16E-08	0.0207974	0.0236624	0.3794443	0.2154022	10	0.81183661
ENSG00000170100	16	ZNF778	89284118	rs117884871	16	89292039	A	G	0.0188867	0.0198618	0.0227373	0.382372	1.80769	0.268607	1.70E-11	0.0109874	0.0126836	0.3863438	0.4066193	7	0.81195453
ENSG00000167526	16	RPL13	89627065	rs3211568	16	89629780	A	G	0.16004	-0.0077629	0.0137728	0.573	-0.30913	0.0500641	6.63E-10	0.025112	0.0447387	0.5745898	0.07201134	18	0.90007051
ENSG00000167523	16	SPATA33	89724210	rs423135	16	89740873	A	G	0.54672	0.0188154	0.00808454	0.0199476	-0.407866	0.0700347	5.75E-09	-0.0461313	0.0213457	0.03068367	0.9249151	10	0.43653569
ENSG00000185324	16	CDK10	89747145	rs77651727	16	89708267	T	C	0.0506958	0.00017238	0.0163159	0.991571	-0.499026	0.0826385	1.55E-09	-0.0003454	0.0326955	0.9915706	0.5103715	20	0.99540461
ENSG00000075399	16	VPS9D1	89773542	rs62068372	16	89785107	C	T	0.235586	-0.0036027	0.00999169	0.718421	0.285224	0.0457167	4.41E-10	-0.0126311	0.0350895	0.7188703	0.8488849	8	0.92829712
ENSG00000258839	16	MC1R	89978527	rs9931722	16	89976329	T	G	0.100398	-0.0126114	0.0139821	0.367074	0.65853	0.0983228	2.12E-11	-0.0191508	0.021424	0.3713764	0.4611258	20	0.81024032
ENSG00000262061	17	RP11-1260E13.4	180996	rs12953074	17	181474	C	T	0.884692	-0.0091545	0.0176063	0.603095	0.841375	0.151307	2.69E-08	-0.0108804	0.0210169	0.6046696	0.2304693	4	0.90314495
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	0.477113	0.0553309	6.53E-18	0.0247918	0.0197525	0.2094347	0.521672	13	0.72288156
ENSG00000183688	17	FAM101B	289769	rs9913618	17	285165	T	C	0.218688	-0.0077576	0.0101011	0.44249	0.670676	0.105943	2.44E-10	-0.0115668	0.0151715	0.4458196	0.8483409	9	0.85482403
ENSG00000141252	17	VPS53	411908	rs72477027	17	438650	A	G	0.0218688	-0.009835	0.0260263	0.705515	0.648103	0.107042	1.41E-09	-0.015175	0.0402358	0.7060601	0.985151	15	0.92693992
ENSG00000185561	17	TLCD2	1611064	rs6502892	17	1617608	C	T	0.682903	0.003487	0.00901844	0.699014	-0.480313	0.0722961	3.06E-11	-0.0072599	0.0188079	0.6994973	0.5819748	3	0.92489008
ENSG00000186532	17	SMYD4	1682779	rs11654472	17	1680192	T	A	0.297217	0.00922836	0.00831053	0.266809	-0.559968	0.090964	7.46E-10	-0.0164802	0.0150806	0.2744795	0.2780214	6	0.75867672
ENSG00000132383	17	RPA1	1732996	rs112096788	17	1727493	T	C	0.0536779	-0.0095713	0.024749	0.698951	0.88132	0.122045	5.15E-13	-0.0108602	0.028122	0.6993617	0.2590857	10	0.92489008
ENSG00000108963	17	DPH1	1933404	rs8065878	17	1952079	T	C	0.295229	0.0134722	0.00859877	0.11717	0.28907	0.0520353	2.77E-08	0.0466053	0.0309067	0.1315713	0.02134426	5	0.64900038
ENSG00000167720	17	SRR	2206677	rs3744270	17	2207326	A	G	0.341948	0.0117644	0.00853037	0.167857	-0.631793	0.0718369	1.43E-18	-0.0186207	0.0136668	0.1730496	0.07008822	20	0.68201901
ENSG00000167723	17	TRPV3	3413796	rs1810048	17	3434262	A	G	0.131213	0.0117516	0.00999964	0.239913	-0.526135	0.0899681	4.97E-09	-0.0223357	0.0193858	0.249252	0.2928581	7	0.74596735
ENSG00000197417	17	SHPK	3511556	rs62069928	17	3514598	T	C	0.241551	0.0136324	0.00925157	0.140611	0.879204	0.086105	1.77E-24	0.0155054	0.0106317	0.1447261	0.3098157	16	0.65648756
ENSG00000040531	17	CTNS	3539762	rs1048682	17	3564779	T	C	0.228628	-0.0080025	0.0091676	0.382714	-0.360551	0.064418	2.18E-08	0.0221951	0.025734	0.388423	0.4550606	5	0.81246255
ENSG00000182557	17	SPNS3	4336983	rs62067392	17	4348888	C	T	0.197813	0.00942616	0.00970233	0.331281	-0.592463	0.090745	6.63E-11	-0.0159101	0.0165566	0.336575	0.8512156	9	0.79929345
ENSG00000161905	17	ALOX15	4534197	rs4416072	17	4570036	T	C	0.224652	0.00924515	0.0105202	0.379508	0.494743	0.0829067	2.41E-09	0.0186868	0.0214933	0.3846159	0.5217476	15	0.81183661
ENSG00000141480	17	ARRB2	4613784	rs3786047	17	4615098	G	A	0.684891	-0.0102181	0.00939444	0.276739	0.220218	0.0370336	2.74E-09	-0.0463999	0.0433675	0.2846533	0.5593571	10	0.76194063
ENSG00000262165	17	RP11-81A22.5	4704454	rs11652445	17	4704940	C	T	0.0795229	-0.0134113	0.0133877	0.316459	-0.883466	0.126696	3.10E-12	0.0151803	0.0153092	0.3214011	0.445635	6	0.78627807
ENSG00000108556	17	CHRNE	4801069	rs72835061	17	4805437	A	C	0.0944334	-0.0205841	0.0117664	0.0802232	0.859732	0.137629	4.19E-10	-0.0239425	0.0142127	0.09206888	0.7417764	14	0.61316282
ENSG00000091640	17	SPAG7	4862521	rs16954304	17	4871518	C	T	0.082505	0.00772859	0.0134213	0.564718	0.412043	0.0656686	3.51E-10	0.0187568	0.0327095	0.56635	0.1995988	7	0.90007051
ENSG00000167840	17	ZNF232	5008836	rs143649705	17	5154016	A	G	0.0685885	-0.0459876	0.0206778	0.0261481	1.27766	0.207131	6.90E-10	-0.0359936	0.0172039	0.03642298	0.01036774	3	0.45167317
ENSG00000234327	17	AC012146.7	5014763	rs56152541	17	5001027	C	T	0.115308	-0.0104604	0.0103233	0.310927	-0.45158	0.0699292	1.06E-10	0.023164	0.0231401	0.3168112	0.8220334	6	0.78445129
ENSG00000132507	17	EIF5A	7210318	rs4796397	17	7207063	C	T	0.602386	0.0101961	0.0089781	0.256098	-0.240331	0.0351273	7.83E-12	-0.0424252	0.0378684	0.2625715	0.1020622	11	0.75505733
ENSG00000170175	17	CHRNB1	7348380	rs72827503	17	7371268	T	G	0.181909	0.00775128	0.0111177	0.485676	0.531235	0.0915239	6.46E-09	0.0145911	0.0210785	0.4887955	0.6966811	8	0.86148834
ENSG00000220205	17	VAMP2	8062467	rs6503089	17	8073296	C	T	0.657058	0.0195573	0.009247	0.034431	0.22451	0.0365674	8.27E-10	0.087111	0.0435628	0.04553632	0.08066598	18	0.49499979
ENSG00000109047	17	RCVRN	9799637	rs4668	17	9814423	C	T	0.557654	-0.0113918	0.00812007	0.16064	-1.01114	0.087101	3.72E-31	0.0112663	0.00808904	0.1636847	0.127699	13	0.67262324
ENSG00000170222	17	ADPRM	10600911	rs4792019	17	10599304	C	T	0.469185	0.0103028	0.00815802	0.206625	0.49098	0.0765695	1.43E-10	0.0209842	0.016935	0.2153083	0.9926248	9	0.72409396
ENSG00000187824	17	TMEM220	10602332	rs66730944	17	10597057	C	T	0.468191	0.00937582	0.0081702	0.251149	-0.354285	0.0516703	7.05E-12	-0.0264641	0.0233818	0.2577098	0.9302119	11	0.7517368
ENSG00000006744	17	ELAC2	12895708	rs1044569	17	12895929	A	G	0.60338	0.00463236	0.00820743	0.572474	0.522722	0.0658387	2.03E-15	0.008862	0.015741	0.5734419	0.04872668	12	0.90007051
ENSG00000175106	17	TVP23C	15341205	rs7226342	17	15439277	A	G	0.198807	0.0269486	0.0101602	0.007993	-0.335691	0.0567125	3.24E-09	-0.080278	0.0331663	0.01550037	0.09138885	8	0.35786984
ENSG00000214946	17	TBC1D26	15635561	rs11653200	17	15637844	A	T	0.393638	-0.0116016	0.00818409	0.156312	0.338015	0.0502101	1.67E-11	-0.0343227	0.0247432	0.1653932	0.6620737	17	0.67262324
ENSG00000233002	17	AC005324.6	15638337	rs2240593	17	15647723	T	C	0.225646	0.00106747	0.0101828	0.91651	0.490434	0.0845808	6.69E-09	0.00217658	0.0207662	0.9165237	0.09615482	4	0.97843275
ENSG00000166582	17	CENPV	16245848	rs12603712	17	16245481	A	G	0.464215	0.00343096	0.00804944	0.669936	0.690463	0.0593168	2.57E-31	0.00496907	0.0116658	0.670144	0.3826096	20	0.91912703
ENSG00000187688	17	TRPV2	16318856	rs3813769	17	16318932	C	T	0.33002	0.00655966	0.00903515	0.467829	-0.612285	0.0711962	7.97E-18	-0.0107134	0.0148089	0.4694082	0.7405674	5	0.8574394
ENSG00000175662	17	TOM1L2	17746828	rs752579	17	17660347	T	C	0.573559	0.0076489	0.00823062	0.352722	0.213861	0.0364008	4.22E-09	0.0357658	0.0389643	0.3586659	0.4248367	20	0.80906288
ENSG00000091542	17	ALKBH5	18086392	rs2605137	17	18139400	A	G	0.347913	0.0153558	0.00844127	0.0688906	0.370053	0.0605732	1.00E-09	0.0414962	0.0238008	0.08124969	0.8783171	5	0.59005457
ENSG00000131899	17	LLGL1	18128901	rs11871761	17	18264227	C	T	0.246521	-0.0008911	0.00921049	0.922929	-0.183767	0.0331972	3.10E-08	0.00484891	0.0501281	0.9229405	0.2988138	6	0.98254609
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9910119	17	18533619	A	T	0.539761	-0.0018224	0.00816654	0.823416	1.01784	0.0883534	1.04E-30	-0.0017905	0.00802491	0.8234488	0.7740072	20	0.96003171
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.08647	0.0917534	2.39E-32	-0.0049742	0.00753153	0.508964	0.9220914	20	0.87293
ENSG00000213077	17	FAM106A	18427880	rs34925025	17	18528623	G	A	0.544732	-0.0029976	0.00816877	0.713654	0.564362	0.0902463	4.01E-10	-0.0053114	0.0144992	0.7141246	0.6016206	9	0.92829712
ENSG00000108448	17	TRIM16L	18601311	rs8070109	17	18598568	T	C	0.760437	-0.0028698	0.00927792	0.75708	0.493051	0.0902625	4.70E-08	-0.0058205	0.0188475	0.7574566	0.6393531	12	0.93868577
ENSG00000171928	17	TVP23B	18684308	rs150839088	17	18716924	A	C	0.496024	0.0032569	0.00810543	0.687819	-0.523751	0.0633266	1.33E-16	-0.0062184	0.015494	0.6881671	0.1937808	20	0.92061694
ENSG00000141127	17	PRPSAP2	18743398	rs7222187	17	18760826	C	A	0.557654	0.00374219	0.008082	0.643345	0.624874	0.0602538	3.37E-25	0.00598871	0.0129467	0.6436748	0.287006	20	0.91912703
ENSG00000230528	17	NOS2P3	20339650	rs7222647	17	20221050	C	A	0.59841	-0.0104626	0.00860891	0.224243	0.672662	0.0817218	1.85E-16	-0.015554	0.012937	0.2292521	0.4957303	20	0.73712698
ENSG00000007171	17	NOS2	26083792	rs11657699	17	26242726	G	C	0.754473	-0.0107021	0.00981389	0.275491	-0.67981	0.0742861	5.63E-20	0.0157428	0.0145384	0.2788776	0.1617862	13	0.75867672
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.333465	0.0473738	1.94E-12	-0.0292353	0.029618	0.3236042	0.3658735	10	0.7870327
ENSG00000004142	17	POLDIP2	26673659	rs2071379	17	26695832	G	A	0.578529	0.00424999	0.00810491	0.600019	0.231997	0.0398823	5.99E-09	0.0183192	0.0350771	0.601493	0.2451672	7	0.90240315
ENSG00000221995	17	TIAF1	27400537	rs8072008	17	27407775	C	G	0.340954	0.00431666	0.00853423	0.612994	-0.289834	0.0441104	5.01E-11	-0.0148936	0.0295324	0.6140412	0.4169599	7	0.90879519
ENSG00000108587	17	GOSR1	28804380	rs11080127	17	28797497	G	A	0.516899	-0.0058894	0.00805538	0.464711	-0.440159	0.0766632	9.39E-09	0.0133801	0.0184488	0.4682956	0.3757647	5	0.8574394
ENSG00000231421	17	AC006050.2	28900489	rs216405	17	28908743	T	G	0.879722	-0.0023445	0.0136679	0.863807	-1.01221	0.102635	6.07E-23	0.00231617	0.0135051	0.8638277	0.9963218	15	0.97612159
ENSG00000264538	17	SUZ12P	29036317	rs216404	17	28909231	A	G	0.888668	0.0005407	0.0140724	0.969351	0.745555	0.076049	1.09E-22	0.00072523	0.0188752	0.969351	0.7554783	14	0.99070131
ENSG00000266490	17	CTD-2349P21.9	29119390	rs7504112	17	29073773	C	T	0.275348	-0.0128973	0.0089406	0.149145	0.616714	0.0815978	4.09E-14	-0.0209129	0.0147589	0.1564902	0.1920617	14	0.66444926
ENSG00000141314	17	RHBDL3	30593195	rs4132610	17	30801441	T	C	0.628231	-0.0047104	0.00839974	0.57495	-0.32997	0.059866	3.55E-08	0.0142752	0.0255875	0.5769148	0.3862301	8	0.90007051
ENSG00000006042	17	TMEM98	31254928	rs7225406	17	31281356	C	A	0.302187	0.0100179	0.00947486	0.290367	-0.216494	0.0397049	4.96E-08	-0.0462733	0.0445802	0.2992798	0.9860275	4	0.77811352
ENSG00000005156	17	LIG3	33307513	rs1003918	17	33332177	A	G	0.477137	-0.0013321	0.00812145	0.869715	-0.567322	0.0683216	1.01E-16	0.00234801	0.0143182	0.8697406	0.1060668	7	0.97612159
ENSG00000166750	17	SLFN5	33570055	rs11867191	17	33569114	C	T	0.505964	-0.0053822	0.00809226	0.505981	0.499563	0.0674617	1.31E-13	-0.0107739	0.0162639	0.5076874	0.1956702	14	0.87285315
ENSG00000263874	17	LINC00672	37081421	rs573556	17	37082081	C	A	0.846918	0.00525321	0.0134251	0.695578	0.429461	0.0578671	1.16E-13	0.0122321	0.0313038	0.6959784	0.2753965	4	0.92331125
ENSG00000108349	17	CASC3	38296571	rs139014900	17	38275326	T	C	0.0318091	0.0357738	0.0241197	0.138027	-0.899963	0.157309	1.06E-08	-0.0397503	0.0276868	0.1510838	0.897826	3	0.65648756
ENSG00000141698	17	NT5C3B	39981335	rs10852947	17	39989073	T	C	0.72664	-0.0080444	0.00852891	0.345584	-0.295867	0.0365038	5.27E-16	0.0271891	0.0290214	0.3488273	0.6666338	14	0.80906288
ENSG00000037042	17	TUBG2	40811323	rs4793005	17	40784194	A	G	0.523857	0.0073228	0.00808525	0.365095	-0.242629	0.03235	6.38E-14	-0.0301811	0.0335656	0.3685641	0.1707305	7	0.81024032
ENSG00000198496	17	NBR2	41277627	rs8176103	17	41267050	A	G	0.353877	0.020342	0.00829057	0.0141423	-1.1201	0.0805623	6.03E-44	-0.0181609	0.00751601	0.01567942	0.8072103	20	0.35786984
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-0.860314	0.0989536	3.50E-18	-0.0293334	0.0139512	0.03550287	0.01406685	16	0.45161515
ENSG00000136448	17	NMT1	43128978	rs6503421	17	43156716	C	T	0.540755	0.0141432	0.00812834	0.0818616	-0.267408	0.0398125	1.86E-11	-0.05289	0.0314002	0.09210727	0.00020373	13	0.61316282
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.54545	0.0644376	2.57E-17	0.0354597	0.0164484	0.03109759	0.1579295	4	0.43653569
ENSG00000214425	17	LRRC37A4P	43578685	rs62060768	17	44134984	A	G	0.240557	-0.0058343	0.0148278	0.69397	-1.207	0.0864311	2.55E-44	0.00483374	0.0122897	0.6940859	0.986159	4	0.92302053
ENSG00000266918	17	RP11-798G7.8	43608943	rs6503453	17	44062603	G	A	0.428429	0.00419419	0.00813718	0.606249	-0.568876	0.103601	4.00E-08	-0.0073728	0.0143668	0.6078258	0.1708886	4	0.90368947
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.07801	0.107194	8.59E-24	-0.0053029	0.0138971	0.702773	0.7530439	11	0.92491112
ENSG00000263503	17	RP11-707O23.5	43678235	rs9468	17	44101563	C	T	0.241551	0.00066382	0.0138135	0.961671	1.23674	0.112843	5.96E-28	0.00053675	0.0111694	0.961672	0.9965346	5	0.98990046
ENSG00000204650	17	CRHR1-IT1	43697694	rs62063672	17	44125288	G	A	0.240557	-0.0066976	0.014937	0.653871	0.792914	0.0689722	1.38E-30	-0.0084469	0.0188524	0.6541162	0.9239575	4	0.91912703
ENSG00000214401	17	KANSL1-AS1	44270942	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.20456	0.0939336	1.21E-37	0.00333206	0.0120207	0.7816317	0.2667841	10	0.94496452

ENSG00000262500	17	RP11-259G18.2	44320972	rs199456	17	44797919	T	C	0.224652	0.0017693	0.0145909	0.903485	1.19016	0.108462	5.15E-28	0.00148661	0.0122604	0.9034906	0.3371573	10	0.97758476
ENSG00000262539	17	RP11-259G18.3	44336917	rs199456	17	44797919	T	C	0.224652	0.0017693	0.0145909	0.903485	1.22961	0.107071	1.59E-30	0.00143891	0.0118669	0.90349	0.2565771	11	0.97758476
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.22688	0.136678	2.80E-19	-0.005966	0.00684036	0.3831144	0.5092811	5	0.81183661
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.00734	0.0899417	4.08E-29	-0.007055	0.00813073	0.385561	0.5922983	20	0.81195453
ENSG00000260075	17	NSFP1	44450221	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.16899	0.124957	8.35E-21	-0.0062614	0.00717641	0.3829362	0.5784541	20	0.81183661
ENSG00000238083	17	LRRC37A2	44588877	rs2942166	17	43715427	C	T	0.240557	-0.0038979	0.0147986	0.792244	1.18338	0.0957377	4.27E-35	-0.0032939	0.0125082	0.79229	0.9999426	8	0.94831585
ENSG00000185829	17	ARL17A	44594068	rs2942166	17	43715427	C	T	0.240557	-0.0038979	0.0147986	0.792244	0.707932	0.106136	2.56E-11	-0.0055061	0.0209203	0.792402	0.9998528	8	0.94831585
ENSG00000263142	17	LRRC37A17P	45055847	rs12603314	17	45158537	A	G	0.252485	0.0122104	0.0090258	0.17611	0.392683	0.065807	2.41E-09	0.0310948	0.0235682	0.1870516	0.2643369	6	0.69552859
ENSG00000262879	17	RP11-156P1.3	45061411	rs17616383	17	45073586	A	G	0.107356	0.0334154	0.0150883	0.0267837	1.24232	0.135498	4.79E-20	0.0268976	0.0124946	0.03133875	0.850807	20	0.43653569
ENSG00000108465	17	CDK5RAP3	46045176	rs17616799	17	46039553	G	A	0.128231	-0.034921	0.0118735	0.00327054	-0.414357	0.0734537	1.69E-08	0.0842776	0.032316	0.00910951	0.2199415	10	0.30032454
ENSG00000170703	17	TTLL6	46839597	rs318102	17	46950496	G	C	0.471173	-0.0122694	0.00808241	0.129004	0.556615	0.0792431	2.15E-12	-0.0220429	0.0148559	0.1378669	0.02825523	16	0.6493459
ENSG00000248278	17	RP11-463M16.4	46952222	rs1985785	17	46967788	C	T	0.564612	0.0343584	0.00807529	2.09E-05	0.604548	0.101581	2.66E-09	0.0568332	0.0164201	0.00053777	0.4281101	4	0.1592668
ENSG00000064300	17	NGFR	47572655	rs2584667	17	47560071	G	C	0.05666	0.0100925	0.0155591	0.516561	-0.660523	0.102972	1.41E-10	-0.0152796	0.0236759	0.518691	0.06675389	9	0.87396207
ENSG00000108823	17	SGCA	48241575	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.777944	0.0915597	1.95E-17	-0.0080958	0.0108184	0.4542577	0.7400921	11	0.8574394
ENSG00000250286	17	RP11-94C24.8	48614655	rs116108967	17	48617906	G	A	0.544732	0.0106892	0.00809022	0.186416	-0.516165	0.0877838	4.10E-09	-0.0207089	0.0160645	0.1973613	0.2601959	12	0.70554117
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.742058	0.0602895	8.18E-35	-0.0187683	0.0116492	0.1071522	0.4136903	20	0.62987719
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.162794	0.0276018	3.68E-09	-0.0748136	0.0526339	0.1552018	0.6324513	9	0.66328012
ENSG00000243678	17	NME1-NME2	49230920	rs9907636	17	49256694	G	A	0.475149	-0.0105363	0.00805795	0.191021	-0.262987	0.0364086	5.08E-13	0.040064	0.0311381	0.1982148	0.6377574	20	0.70616147
ENSG00000011260	17	UTP18	49337889	rs4794230	17	49415744	G	A	0.516899	-0.0095007	0.00806333	0.238691	-0.432573	0.0709045	1.06E-09	0.0219633	0.0189849	0.2473188	0.05630679	10	0.74596735
ENSG00000166260	17	COX11	53029263	rs35573927	17	53031889	C	G	0.269384	0.00552494	0.00901827	0.540116	-0.41422	0.0678622	1.04E-09	-0.0133382	0.0218811	0.5421428	0.08658646	8	0.88454878
ENSG00000121101	17	TEX14	56634039	rs11654986	17	57206124	G	A	0.616302	-0.0009323	0.00837485	0.911363	0.481564	0.0824717	5.25E-09	-0.001936	0.0173941	0.9113788	0.1511738	20	0.97758476
ENSG00000108384	17	RAD51C	56769934	rs10515159	17	56802693	C	G	0.181909	0.00310719	0.00921815	0.736061	-0.397604	0.0571753	3.55E-12	-0.0078148	0.0232115	0.7363598	0.1610383	5	0.93184086
ENSG00000068097	17	HEATR6	58120555	rs73997118	17	58172986	G	A	0.0447316	0.0116845	0.0163451	0.474692	0.731779	0.121061	1.50E-09	0.0159673	0.0224918	0.4777566	0.984298	14	0.8574394
ENSG00000008283	17	CYB561	61509665	rs2286569	17	61518005	C	T	0.478131	-0.0215308	0.00808332	0.0077309	-0.318798	0.0323637	6.82E-23	0.0675374	0.0262662	0.01013282	0.709161	20	0.30239181
ENSG00000198231	17	DDX42	61850963	rs7225092	17	61864005	T	G	0.265408	-0.0016952	0.00959015	0.859695	-0.530767	0.0650199	3.26E-16	0.00319383	0.0180727	0.8597274	0.6943297	14	0.97576711
ENSG00000108592	17	FTSJ3	61896793	rs2854204	17	61947337	C	G	0.575547	-0.0048426	0.00835261	0.562068	0.62578	0.057492	1.36E-27	-0.0077385	0.0133664	0.5626212	0.5337487	20	0.89777208
ENSG00000176809	17	LRRC37A3	62850430	rs536888964	17	62910958	A	G	0.0616302	-0.0085641	0.0182767	0.639371	0.678961	0.114661	3.19E-09	-0.0126135	0.0270028	0.6404141	0.4971405	4	0.91912703
ENSG00000154262	17	ABCA6	67074843	rs7211358	17	67134928	T	C	0.683897	0.00297591	0.0084799	0.725635	0.638988	0.0704783	1.23E-19	0.00465722	0.0132808	0.7258327	0.1622092	13	0.92829712
ENSG00000256124	17	RP11-84E24.3	70026432	rs9898418	17	70034209	T	C	0.347913	-0.0024035	0.00959286	0.802159	-0.365676	0.0660935	3.15E-08	0.00657284	0.0262601	0.8023573	0.68482	4	0.95011181
ENSG00000125450	17	NUP85	73201754	rs1478785	17	73222865	A	G	0.754473	0.0184148	0.0110806	0.0965339	-0.812278	0.0801579	3.92E-24	-0.0226706	0.0138236	0.1010078	0.3687859	17	0.62987719
ENSG00000266714	17	MYO15B	73584139	rs736522	17	73588058	T	G	0.329026	0.00031218	0.00908623	0.972592	-0.221692	0.0389253	1.23E-08	-0.0014082	0.0409866	0.972593	0.7876742	6	0.99150263
ENSG00000132481	17	TRIM47	73870242	rs116044941	17	73874684	C	G	0.161034	0.0242811	0.0141952	0.0871726	-0.469648	0.0703948	2.53E-11	-0.0517006	0.0312028	0.09753495	0.7791612	11	0.62913072
ENSG00000141569	17	TRIM65	73876416	rs7370	17	73894804	A	G	0.290258	0.0142689	0.0101166	0.158409	0.368733	0.0594593	5.60E-10	0.0386971	0.0281368	0.1690319	0.9107405	19	0.67654707
ENSG00000188878	17	FBF1	73905655	rs11077798	17	73953404	C	T	0.762425	-0.0138778	0.0105666	0.189061	-0.491718	0.0642799	2.02E-14	0.0282231	0.0218036	0.1955186	0.8741135	20	0.70411091
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.569454	0.0812687	2.43E-12	0.0194797	0.0190098	0.3054945	0.8178156	11	0.77854243
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.488001	0.0682757	8.84E-13	0.0227311	0.0221735	0.3052932	0.6613834	8	0.77854243
ENSG00000161542	17	PRPSAP1	74305567	rs446662	17	74313542	C	A	0.294235	0.0133209	0.00930699	0.152351	-0.491489	0.0762997	1.18E-10	-0.0271032	0.0193981	0.1623521	0.2573219	6	0.67262324
ENSG00000182534	17	MXRA7	74668633	rs11077854	17	74679357	A	G	0.190855	-0.0055079	0.0104619	0.59856	1.05719	0.0999546	3.82E-26	-0.00521	0.0099082	0.5990111	0.7258607	18	0.90240315
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086057	17	74819228	G	A	0.0864811	-0.007793	0.0145054	0.591099	1.44518	0.194694	1.15E-13	-0.0053924	0.0100633	0.5920661	0.1033941	9	0.90082611
ENSG00000055483	17	USP36	76783463	rs8072569	17	76787000	A	G	0.568588	0.0189516	0.00836628	0.0234985	0.343427	0.0535227	1.39E-10	0.0551838	0.0258347	0.0326767	0.8164674	13	0.44359154
ENSG00000167280	17	ENGASE	77071021	rs61756761	17	77079576	G	A	0.0576541	0.0255944	0.0188641	0.174853	-0.665216	0.108783	9.65E-10	-0.0384753	0.0290475	0.1853149	0.6241712	5	0.69282369
ENSG00000141519	17	CCDC40	78010435	rs7212117	17	78021529	G	A	0.223658	0.0141638	0.00890158	0.111575	0.379525	0.0663055	1.04E-08	0.0373198	0.0243439	0.1252697	0.03349646	5	0.64900038
ENSG00000171298	17	GAA	78075355	rs12450199	17	78076592	C	A	0.39165	-0.0024848	0.00843943	0.768433	-0.52034	0.0680022	1.98E-14	0.00477532	0.0162311	0.7685985	0.5256679	20	0.94048369
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.618445	0.0757877	3.34E-16	0.0171432	0.0138042	0.2142806	0.2500773	15	0.72409396
ENSG00000261924	17	CTD-2561B21.5	78940039	rs8077870	17	78961773	A	G	0.751491	0.0102807	0.00920494	0.26405	-0.884892	0.11496	1.39E-14	-0.011618	0.0105113	0.2690325	0.00652408	20	0.75505733
ENSG00000262223	17	RP11-1055B8.3	79349801	rs7220198	17	79371423	A	G	0.355865	0.00038557	0.00838028	0.963303	0.365236	0.0506718	5.68E-13	0.00105567	0.0229453	0.9633039	0.6449084	7	0.98990046
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.897503	0.0822759	1.05E-27	-0.0106505	0.013972	0.4458994	0.6660815	8	0.85482403
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.685242	0.0710754	5.36E-22	0.0147367	0.0153403	0.3367269	0.2031051	20	0.79929345
ENSG00000169689	17	STRA13	79976578	rs9895872	17	79972901	T	C	0.558648	-0.004855	0.00835221	0.561054	0.558428	0.0614402	1.00E-19	-0.008694	0.0149872	0.5618525	0.00703619	7	0.89766742
ENSG00000169738	17	DCXR	79993012	rs113680823	17	79995320	G	A	0.100398	0.0341523	0.0113552	0.00263299	0.441973	0.0600111	1.77E-13	0.0772724	0.0277519	0.00536262	0.6063897	9	0.26519423
ENSG00000176155	17	CCDC57	80059336	rs9894554	17	80073423	G	C	0.507952	0.0124977	0.00807992	0.121921	0.282082	0.0355778	2.22E-15	0.0443052	0.0291839	0.1289789	0.6739383	19	0.64900038
ENSG00000181396	17	OGFOD3	80347099	rs4789769	17	80373452	T	C	0.251491	-0.0003183	0.0101285	0.974928	-0.490835	0.079846	7.88E-10	0.00064854	0.0206355	0.9749279	0.08958294	8	0.99169992
ENSG00000141560	17	FN3KRP	80674559	rs3748812	17	80680589	A	G	0.399602	0.00060593	0.00857369	0.943658	-0.715525	0.0652768	5.86E-28	-0.0008468	0.0119826	0.9436592	0.5273419	20	0.98990046
ENSG00000175711	17	B3GNTL1	80900031	rs11868819	17	81012461	C	T	0.243539	-0.0016411	0.00852152	0.847285	-0.604423	0.0751245	8.58E-16	0.00271515	0.0141026	0.8473287	0.6668603	20	0.97069345
ENSG00000263006	18	ROCK1P1	109065	rs59326070	18	59185	T	C	0.297217	0.00728981	0.00853841	0.393234	1.03862	0.105586	7.82E-23	0.00701875	0.00825183	0.3950089	0.09686583	20	0.81716483
ENSG00000079101	18	CLUL1	596988	rs578026	18	597751	G	T	0.313121	0.00150253	0.00848717	0.85948	0.525452	0.0856572	8.55E-10	0.0028595	0.0161589	0.8595384	0.7555654	8	0.97576711
ENSG00000266513	18	RP11-874J12.3	3770017	rs3844078	18	3774136	A	G	0.450298	-0.00564	0.00824179	0.493773	0.537359	0.080924	3.13E-11	-0.0104958	0.0154188	0.4960513	0.668417	9	0.86624602
ENSG00000263753	18	LINC00667	5232875	rs9948693	18	5247432	T	C	0.387674	0.00299857	0.00830116	0.717933	0.505403	0.0586104	6.52E-18	0.00593303	0.0164392	0.7181694	0.6580086	20	0.92829712
ENSG00000128791	18	TWSG1	9334765	rs7243117	18	9381229	T	C	0.112326	0.00801913	0.0164886	0.626724	-0.417914	0.0711552	4.27E-09	-0.0191885	0.0395896	0.6278998	0.07715111	10	0.9151915
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-0.924341	0.1041	6.72E-19	0.004748	0.0115051	0.6798351	0.4237987	17	0.9199834
ENSG00000267079	18	RP11-820I16.1	11910633	rs35734270	18	11929730	T	C	0.260437	-0.0013879	0.0089626	0.876936	0.663343	0.117639	1.71E-08	-0.0020923	0.0135164	0.8769819	0.6849603	6	0.97751185
ENSG00000267108	18	RP11-861E21.1	12432896	rs34448712	18	12439062	C	A	0.152087	0.0218674	0.0134036	0.102795	1.16008	0.138295	4.93E-17	0.0188499	0.0117705	0.1092773	0.7499364	9	0.62987719
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.665488	0.0906807	2.16E-13	0.00347697	0.0124152	0.7794344	0.4629099	20	0.94475423
ENSG00000101639	18	CEP192	12991361	rs1787000	18	13113197	T	C	0.619284	-0.0032917	0.00820342	0.688231	-0.918626	0.0669989	8.72E-43	0.00358326	0.00893392	0.6883573	0.8958141	20	0.92061694
ENSG00000175322	18	ZNF519	14057456	rs11080713	18	14007206	C	T	0.247515	0.0114444	0.00950285	0.228467	0.256627	0.0421322	1.12E-09	0.0445955	0.0377467	0.2374277	0.4448677	7	0.73933633
ENSG00000264880	18	RP11-805F19.1	15159723	rs4352127	18	15077660	T	G	0.920477	0.00619466	0.0141255	0.66099	-1.04394	0.174746	2.31E-09	-0.0059339	0.0135674	0.6618448	0.1369766	6	0.91912703
ENSG00000265015	18	RP11-454P7.3	15196998	rs4352127	18	15077660	T	G	0.920477	0.00619466	0.0141255	0.66099	-1.30511	0.160515	4.27E-16	-0.0047465	0.010839	0.661453	0.377394	20	0.91912703
ENSG00000101752	18	MIB1	19284918	rs7237961	18	19475555	A	G	0.229622	-0.016579	0.00954966	0.0825506	0.347493	0.0571301	1.18E-09	-0.0477103	0.0285791	0.09503548	0.02102185	9	0.62482162
ENSG00000265750	18	RP11-799B12.4	21739473	rs2120571	18	21676224	G	A	0.565606	0.0103857	0.00808785	0.199101	-0.542679	0.0784356	4.56E-12	-0.0191378	0.0151581	0.2067509	0.03591013	15	0.72288156
ENSG00000266489	18	RP11-178F10.3	22096847	rs949315	18	22123743	G	A	0.393638	0.0202576	0.0085171	0.0173852	0.791834	0.0744782	2.12E-26	0.0255831	0.011022	0.02028205	0.4554595	6	0.38925469
ENSG00000260372	18	AQP4-AS1	24235706	rs232319	18	24500151	C	T	0.527833	0.0009231	0.00811545	0.909439	-0.718653	0.066681	4.40E-27	-0.0012845	0.0112932	0.9094444	0.4430454	7	0.97758476
ENSG00000152223	18	EPG5	43427574	rs3744998	18	43497710	G	A	0.549702	0.00975022	0.00806985	0.226959	-0.341429	0.0586828	5.95E-09	-0.0285571	0.0241398	0.2368132	0.7133694	5	0.73933633
ENSG00000101751	18	POLI	51795774	rs3730783	18	51815283	G	A	0.428429	-0.0003246	0.00809063	0.967992	-0.284067	0.0514189	3.30E-08	0.00114286	0.0284822	0.9679932	0.4983274	5	0.99040487
ENSG00000197563	18	PIGN	59710800	rs4274523	18	59791041	G	A	0.632207	-0.0079361	0.0085158	0.351373	-0.280613	0.0478774	4.60E-09	0.0282814	0.0307284	0.3573809	0.0419328	17	0.80906288
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.569984	0.100558	1.44E-08	-0.0091662	0.0216222	0.671622	0.6277586	3	0.91955102
ENSG00000264247	18	LINC00909	72259010	rs28708663	18	72258352	T	C	0.143141	-0.0054054	0.0117951	0.646754	0.552689	0.0686668	8.36E-16	-0.0097803	0.0213759	0.6472848	0.9815057	9	0.91912703
ENSG00000267127	18	RP11-795F19.5	77794346	rs10164254	18	77766322	G	T	0.253479	-0.0034714	0.00993354	0.726743	0.726524	0.127568	1.23E-08	-0.0047781	0.0136984	0.7272361	0.7082393	9	0.928377
ENSG00000261126	18	RBFADN	77806900	rs613847	18	77845644	A	G	0.143141	-0.0060675	0.0129341	0.638991	1.01304	0.1106	5.21E-20	-0.0059894	0.0127843	0.6394308	0.6849332	20	0.91912703
ENSG00000129946	19	SHC2	416583	rs143898391	19	488474	T	A	0.406561	-0.0028477	0.00823707	0.729552	-0.395779	0.0523012	3.81E-14	0.00719525	0.020834	0.729823	0.3854087	11	0.92882498
ENSG00000099866	19	MADCAM1	489176	rs7256171	19	494446	T	C	0.439364	-0.002894	0.00815186	0.72258	-0.523504	0.0773557	1.31E-11	0.00552815	0.0155931	0.7229457	0.4913174	7	0.92829712
ENSG00000266933	19	AC005775.2	490046	rs3999751	19	488476	C	G	0.440358	-0.0036035	0.00820386	0.66049	-0.907108	0.0907614	1.61E-23	0.00397246	0.0090527	0.6607957	0.2592558	12	0.91912703
ENSG00000267751	19	AC009005.2	567212	rs12608452	19	563639	C	T	0.162028	-0.0025021	0.00960194	0.794415	-1.02611	0.152539	1.73E-11	0.00243842	0.00936463	0.7945657	0.4540828	3	0.94845572
ENSG00000267666	19	AC004156.3	663482	rs1859224	19	663485	A	G	0.60338	-0.0101914	0.00821206	0.214597	0.556413	0.0885329	3.28E-10	-0.0183163	0.0150439	0.223407	0.9227673	6	0.72895982
ENSG00000065268	19	WDR18	983174	rs11538683	19	991129	A	G	0.125249	0.0138845	0.0120242	0.248206	0.876898	0.0924082	2.32E-21	0.0158337	0.0138133	0.2516885	0.2279187	20	0.74648506
ENSG00000182087	19	TMEM259	1009647	rs2240160	19	1011215	A	G	0.172962	0.0102974	0.0097719	0.291983	0.345051	0.056398	9.47E-10	0.0298431	0.0287372	0.2990441	0.01547568	4	0.77811352
ENSG00000099817	19	POLR2E	1086594	rs2238586	19	1088078	T	G	0.754473	0.00241696	0.00911457	0.790875	-0.213357	0.0311061	6.93E-12	-0.0113282	0.0427517	0.7910268	0.03190471	4	0.94831585
ENSG00000167468	19	GPX4	1103936	rs3826957	19	1118774	C	G	0.468191	0.016457	0.00810148	0.0422192	0.200125	0.0353622	1.52E-08	0.0822336	0.043011	0.05588614	0.9680838	6	0.5349102
ENSG00000104899	19	AMH	2249308	rs733846	19	2241327	T	G	0.824056	-0.0148537	0.0102085	0.145661	0.910424	0.113262	9.12E-16	-0.0163151	0.0113951	0.1522111	0.6709432	4	0.65863011
ENSG00000130332	19	LSM7	2321516	rs12977961	19	2326897	T	C	0.619284	-0.0014032	0.00818766	0.863922	0.482009	0.0540797	4.97E-19	-0.0029112	0.0169897	0.8639471	0.03882011	17	0.97612159
ENSG00000099800	19	TIMM13	2425622	rs6945	19	2426828	C	G	0.44831	0.020336	0.00808891	0.0119349	0.234218	0.0422827	3.04E-08	0.0868251	0.0379263	0.02206139	0.9904536	3	0.40127139
ENSG00000060558	19	GNA15	3136191	rs170159	19	3149990	C	G	0.765408	-0.0017659	0.0097744	0.856629	-0.487991	0.0839856	6.23E-09	0.00361873	0.0200396	0.8566976	0.2073313	6	0.97499228
ENSG00000105248	19	CCDC94	4247076	rs3803907	19	4250917	A	G	0.256461	0.0198575	0.00910072	0.0291119	0.399159	0.056838	2.18E-12	0.0497483	0.0238749	0.03718638	0.9076478	20	0.45167317
ENSG00000178078	19	STAP2	4324040	rs8111858	19	4326239	G	T	0.33002	0.0176839	0.00854933	0.0385967	0.467564	0.0731262	1.62E-10	0.0378213	0.0192178	0.04906402	0.6274724	14	0.51148939
ENSG00000167670	19	CHAF1A	4402659	rs78869060	19	4444742	G	A	0.264414	-0.0126361	0.0102219	0.216392	-0.660335	0.0775791	1.71E-17	0.0191359	0.0156423	0.2211994	0.08752514	9	0.72895982
ENSG00000167671	19	UBXN6	4444996	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.238314	0.0377831	2.84E-10	0.0205816	0.0463054	0.6566996	0.1007555	6	0.91912703
ENSG00000267769	19	CTB-50L17.9	4454011	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.854524	0.108969	4.44E-15	0.0057399	0.0129026	0.6564176	0.08741627	8	0.91912703
ENSG00000176840	19	MIR7-3HG	4769117	rs3760955	19	4772202	C	A	0.333996	-0.0106249	0.00850479	0.211562	-0.276049	0.0369433	7.88E-14	0.0384892	0.0312366	0.2178813	0.5702139	7	0.72895982
ENSG00000196365	19	LONP1	5691845	rs10424357	19	5672663	A	T	0.354871	-0.0038806	0.00834135	0.641771	-0.417636	0.0549119	2.84E-14	0.00929182	0.0200101	0.6423923	0.3261305	20	0.91912703
ENSG00000141994	19	DUS3L	5784843	rs11878665	19	5799353	G	A	0.125249	0.00155094	0.0115539	0.893217	-0.438729	0.0795621	3.50E-08	-0.0035351	0.0263427	0.893248	0.356079	8	0.97758476
ENSG00000181240	19	SLC25A41	6426048	rs2860181	19	6436305	T	C	0.487078	-0.017558	0.00829139	0.0342074	0.424017	0.0540849	4.51E-15	-0.0414087	0.0202552	0.0409186	0.2262542	8	0.48015781
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.746408	0.0681913	6.96E-28	-0.0055511	0.0112029	0.6202466	0.0394294	8	0.91218503
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.621861	0.0778872	1.42E-15	-0.0085388	0.0133491	0.5223972	0.8839402	8	0.87431022
ENSG00000268297	19	CLEC4GP1	7852435	rs36056976	19	7853716	G	C	0.240557	-0.0101914	0.0105164	0.332496	0.772816	0.0838078	2.94E-20	-0.0131874	0.0136828	0.3351521	0.1100335	10	0.79737791
ENSG00000269139	19	CTD-3193O13.8	7990886	rs7899	19	7991679	A	T	0.302187	0.00605874	0.00858081	0.480138	0.463942	0.0781789	2.95E-09	0.0130593	0.0186259	0.4832189	0.4090427	3	0.85760552
ENSG00000104980	19	TIMM44	7991603	rs34039864	19	8037573	T	C	0.083499	-0.020627	0.0157531	0.190401	0.681412	0.0972928	2.49E-12	-0.030271	0.0235189	0.198062	0.03855646	6	0.70616147
ENSG00000233927	19	RPS28	8386042	rs2972572	19	8390313	G	A	0.535785	0.00852923	0.00808756	0.291603	-0.404323	0.0406277	2.47E-23	-0.0210951	0.0201147	0.2942983	0.6843245	9	0.77801577
ENSG00000099785	19	2-Mar	8478154	rs12609437	19	8554787	T	C	0.262425	0.034078	0.010152	0.00078857	0.396818	0.0505881	4.36E-15	0.0858782	0.0278276	0.00202819	0.01541402	20	0.16850169
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.52121	0.191778	2.15E-15	-0.0167665	0.00947511	0.07680611	0.9809375	9	0.57744037
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.17661	0.128759	6.36E-20	0.00240046	0.0147108	0.870379	0.543613	5	0.97612159
ENSG00000174652	19	ZNF266	9523272	rs10405193	19	9514277	A	G	0.565606	-0.001761	0.00808714	0.827624	0.931695	0.0627569	7.37E-50	-0.0018901	0.00868096	0.8276416	0.6634816	20	0.96197911
ENSG00000171469	19	ZNF561	9715356	rs10407111	19	9731313	C	T	0.15507	6.92E-05	0.0104149	0.994698	-0.490567	0.0843552	6.05E-09	-0.0001411	0.0212303	0.9946984	0.4411816	4	0.99741038
ENSG00000129347	19	KRI1	10663761	rs148172637	19	10681823	T	C	0.267396	0.00992596	0.00867499	0.252539	0.554496	0.0657471	3.35E-17	0.0179009	0.0157881	0.2568712	0.07569661	18	0.75143871
ENSG00000267174	19	CTC-510F12.4	11411453	rs422496	19	11409684	G	A	0.301193	0.0145898	0.00874479	0.0952357	-0.65298	0.0970696	1.73E-11	-0.0223434	0.0137979	0.1053747	0.5701668	13	0.62987719
ENSG00000219665	19	CTD-2006C1.2	12098432	rs112126569	19	12106834	A	G	0.0367793	-0.0165407	0.0175482	0.345893	-0.983045	0.177878	3.27E-08	0.016826	0.0181086	0.3528015	0.8189085	7	0.80906288
ENSG00000269560	19	CTD-2192J16.21	12640582	rs7252992	19	12641060	T	A	0.700795	0.0151389	0.00925534	0.101905	-0.675308	0.10084	2.13E-11	-0.0224178	0.0141083	0.1120644	0.3098351	5	0.62987719
ENSG00000213290	19	PGK1P2	12670385	rs2861410	19	12664631	A	G	0.647117	0.00469852	0.00825374	0.56918	-0.596165	0.100259	2.74E-09	-0.0078812	0.013908	0.5709393	0.4981716	5	0.90007051
ENSG00000105607	19	GCDH	13001840	rs8012	19	13010520	G	A	0.521869	-0.0028336	0.00806037	0.72518	0.490008	0.0548078	3.87E-19	-0.0057827	0.0164622	0.7253843	0.1630104	11	0.92829712
ENSG00000037757	19	MRI1	13875346	rs62111893	19	13874258	T	G	0.414513	-0.0047543	0.00815023	0.55967	-0.600466	0.0677831	8.10E-19	0.00791765	0.0136026	0.5605194	0.4933433	3	0.89622694
ENSG00000141854	19	hsa-mir-1199	14183348	rs7258963	19	14185226	C	T	0.377734	0.0119263	0.00828898	0.150203	0.444926	0.0503585	9.99E-19	0.0268051	0.0188754	0.1555767	0.859645	9	0.66351706
ENSG00000123146	19	CD97	14491313	rs888875	19	14491673	C	G	0.317097	0.0108234	0.00850952	0.203404	0.345437	0.0522902	3.94E-11	0.0313325	0.0250865	0.2116733	0.8659949	4	0.72409396
ENSG00000105143	19	SLC1A6	15060846	rs7259656	19	15090314	C	T	0.314115	-0.0011756	0.00839384	0.888618	0.234503	0.0337754	3.84E-12	-0.0050131	0.0358015	0.8886399	0.4894856	9	0.97758476
ENSG00000186529	19	CYP4F3	15751707	rs1290617	19	15751897	G	T	0.426441	-0.0041973	0.00851787	0.622179	-0.618199	0.0823803	6.18E-14	0.00678959	0.0138082	0.6229262	0.06525806	17	0.91218503
ENSG00000186204	19	CYP4F12	15783567	rs1290624	19	15756971	C	T	0.27336	0.0019991	0.00979111	0.838216	-0.572743	0.0896489	1.67E-10	-0.0034904	0.0171038	0.8382982	0.01630848	15	0.96462347
ENSG00000267594	19	CYP4F24P	15871051	rs2079234	19	15857510	G	T	0.591451	-0.0020616	0.0081225	0.799639	-1.03304	0.0832481	2.33E-35	0.00199566	0.00786436	0.7996807	0.6293243	20	0.95011181
ENSG00000171903	19	CYP4F11	16023177	rs62106099	19	15947601	T	C	0.100398	0.0106877	0.0176499	0.544821	-0.463712	0.0847356	4.44E-08	-0.0230481	0.0382945	0.5472637	0.8695303	4	0.88780189
ENSG00000105072	19	C19orf44	16607122	rs8111530	19	16591700	C	T	0.893638	0.00289342	0.0119401	0.808525	0.651713	0.105608	6.78E-10	0.00443971	0.0183352	0.8086707	0.6564892	10	0.95173338
ENSG00000188039	19	NWD1	16830787	rs12973121	19	16828840	C	T	0.436382	0.00364853	0.00848547	0.667215	-0.365685	0.0496599	1.79E-13	-0.0099773	0.0232438	0.6677466	0.2283642	7	0.91912703
ENSG00000099330	19	OCEL1	17337013	rs2288540	19	17337344	G	T	0.107356	0.00030418	0.0157574	0.984599	-0.617912	0.0831423	1.07E-13	-0.0004923	0.0255011	0.9845987	0.5770481	8	0.99368878
ENSG00000130312	19	MRPL34	17403418	rs8100232	19	17422951	A	G	0.426441	-0.001116	0.00826322	0.892566	0.325605	0.034235	1.89E-21	-0.0034275	0.0253806	0.8925762	0.1844443	9	0.97758476
ENSG00000130518	19	KIAA1683	18367908	rs12983444	19	18386367	G	A	0.529821	0.0156013	0.00814835	0.0555367	-0.458096	0.066901	7.52E-12	-0.0340568	0.0184697	0.06519355	0.7366701	19	0.55494674
ENSG00000130517	19	PGPEP1	18451397	rs79058301	19	18451330	T	C	0.286282	-0.000498	0.00813739	0.951197	-0.431956	0.0593446	3.37E-13	0.00115297	0.0188391	0.9511991	0.09616522	5	0.98990046
ENSG00000081665	19	ZNF506	19896648	rs4808993	19	19920967	A	C	0.167992	0.00317048	0.00985339	0.74763	0.758012	0.0991476	2.08E-14	0.00418263	0.0130105	0.7478461	0.9776253	20	0.93233875
ENSG00000184635	19	ZNF93	20011722	rs7254125	19	20036615	A	G	0.0914513	0.0086678	0.0177988	0.626266	0.97145	0.170789	1.29E-08	0.00892254	0.0183889	0.6275254	0.8512281	17	0.9151915
ENSG00000196268	19	ZNF493	21579921	rs11673304	19	21567965	G	A	0.524851	0.0125549	0.00808478	0.120446	0.371075	0.0662595	2.14E-08	0.0338339	0.0226095	0.1345387	0.1692363	9	0.64900038
ENSG00000268555	19	RP11-678G14.3	21753624	rs12463384	19	21799037	A	C	0.414513	0.00341854	0.00811745	0.673657	-0.677651	0.0978365	4.32E-12	-0.0050447	0.0120009	0.6742236	0.9610795	17	0.91998176
ENSG00000197020	19	ZNF100	21905568	rs6511291	19	21950402	C	T	0.558648	-0.0002329	0.00806833	0.976969	-0.484659	0.0578298	5.26E-17	0.00048059	0.0166475	0.9769696	0.2916367	20	0.99169992
ENSG00000197134	19	ZNF257	22235254	rs8113700	19	22319421	A	G	0.329026	-0.0147349	0.00845187	0.0812662	0.56001	0.101923	3.92E-08	-0.0263119	0.0158339	0.09656437	0.330556	10	0.6268876
ENSG00000269416	19	CTB-175P5.4	23582035	rs675277	19	23604186	T	C	0.253479	-0.0072968	0.00933857	0.434592	0.712567	0.0891551	1.32E-15	-0.0102401	0.013168	0.4367748	0.1332515	12	0.85440418
ENSG00000268362	19	CTD-2017D11.1	24216247	rs56373210	19	24228273	T	C	0.218688	0.00860736	0.0102669	0.401828	0.790147	0.123318	1.48E-10	0.0108934	0.0131044	0.4058185	0.2149646	16	0.82716882
ENSG00000261770	19	CTC-459F4.1	28248092	rs6510333	19	28312200	G	A	0.847913	0.0136975	0.00918799	0.136013	-1.32412	0.115613	2.27E-30	-0.0103446	0.00699748	0.1393185	0.8450274	15	0.6493459
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.388471	0.0510166	2.65E-14	0.00273503	0.0208137	0.8954545	0.4740837	11	0.97758476
ENSG00000021488	19	SLC7A9	33321415	rs11668529	19	33374604	C	T	0.184891	0.00646136	0.0102373	0.527938	-0.650904	0.0941464	4.72E-12	-0.0099268	0.0157932	0.529647	0.4788248	20	0.88185742
ENSG00000131941	19	RHPN2	33469499	rs12976181	19	33548413	C	T	0.338966	-0.002598	0.00868581	0.764857	-0.309656	0.0504172	8.16E-10	0.00838999	0.0280831	0.7651265	0.6784272	9	0.94033594
ENSG00000124299	19	PEPD	33877856	rs3786893	19	33880000	G	C	0.251491	-0.0110106	0.0094218	0.242553	0.432536	0.0683151	2.43E-10	-0.0254559	0.0221506	0.2504659	0.5526155	20	0.74596735
ENSG00000197841	19	ZNF181	35225060	rs7259475	19	35270543	T	G	0.304175	-0.0113936	0.00869487	0.190065	-0.485667	0.0655189	1.24E-13	0.0234597	0.0181805	0.1969206	0.5914887	12	0.70517946
ENSG00000126266	19	FFAR1	35842445	rs12985354	19	35837428	A	G	0.300199	-0.0107947	0.00904485	0.232689	-0.435693	0.0586119	1.06E-13	0.0247759	0.0210255	0.2386479	0.9444381	5	0.74202349
ENSG00000011590	19	ZBTB32	36195429	rs9917056	19	36182704	C	A	0.483101	0.00770675	0.00805196	0.338503	0.60156	0.110193	4.78E-08	0.0128113	0.0135893	0.3458102	0.5643646	10	0.80906288
ENSG00000161265	19	U2AF1L4	36233365	rs10402837	19	36217810	A	G	0.156064	0.0226262	0.0152945	0.139042	0.811862	0.114703	1.46E-12	0.0278695	0.0192459	0.1475956	0.726938	8	0.65648756
ENSG00000225872	19	AC002398.5	36279778	rs75120684	19	36288595	C	G	0.028827	0.0221798	0.0202265	0.272829	-0.911692	0.144989	3.22E-10	-0.0243282	0.0225205	0.280023	0.8603795	3	0.75867672
ENSG00000232677	19	LINC00665	36803969	rs2967510	19	36870383	G	C	0.650099	0.00565778	0.00844687	0.50298	-0.419128	0.0740825	1.54E-08	-0.0134989	0.0202942	0.5059466	0.5214451	9	0.87207559
ENSG00000233527	19	AC092295.7	37063972	rs3108208	19	37140528	T	C	0.599404	0.00069012	0.00835463	0.934167	-0.915489	0.0967438	2.99E-21	-0.0007538	0.00912621	0.9341691	0.6511054	13	0.98788494
ENSG00000198453	19	ZNF568	37407231	rs8111936	19	37685450	A	G	0.126243	0.00601594	0.0119293	0.61405	0.569151	0.0954934	2.52E-09	0.01057	0.0210347	0.6153131	0.1583993	11	0.90879519

ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.2577	0.0933629	2.31E-41	-0.005056	0.00677096	0.4552363	0.1067108	20	0.8574394
ENSG00000167644	19	C19orf33	38794801	rs76682100	19	38794786	G	T	0.182903	0.00485742	0.00968738	0.616077	-0.844278	0.121614	3.86E-12	-0.0057533	0.011504	0.6169944	0.2061816	15	0.90903514
ENSG00000161243	19	FBXO27	39481354	rs77985810	19	39465298	T	A	0.137177	0.00261856	0.0118086	0.824509	-0.45527	0.0817611	2.57E-08	-0.0057517	0.0259581	0.824645	0.653905	5	0.96062124
ENSG00000183760	19	PAPL	39574553	rs10409280	19	39546960	T	C	0.299205	-0.003767	0.00876609	0.6674	-0.310499	0.0559234	2.82E-08	0.012132	0.0283167	0.6683321	0.5156206	4	0.91912703
ENSG00000130669	19	PAK4	39616410	rs2304090	19	39668657	C	T	0.356859	0.00922218	0.00875574	0.292217	-0.305936	0.0512656	2.41E-09	-0.0301441	0.0290619	0.2996236	0.2429964	9	0.77811352
ENSG00000198077	19	CYP2A7	41381344	rs11083580	19	41388836	A	G	0.50497	-0.0030619	0.00813157	0.706516	0.642265	0.0917862	2.61E-12	-0.0047673	0.0126791	0.70692	0.6252858	20	0.92693992
ENSG00000256612	19	CYP2B7P1	41430124	rs11669113	19	41386891	T	A	0.522863	-0.0036903	0.00816904	0.651453	-0.306671	0.0530515	7.44E-09	0.0120334	0.026719	0.6524435	0.7576091	9	0.91912703
ENSG00000176531	19	PHLDB3	43979106	rs2682580	19	43966454	G	A	0.658052	-0.0001871	0.00882616	0.98309	0.451385	0.0693561	7.60E-11	-0.0004144	0.0195536	0.9830901	0.8702991	20	0.99264858
ENSG00000073050	19	XRCC1	44047192	rs3213245	19	44079687	A	G	0.597416	0.00359659	0.00811474	0.657609	-0.417803	0.0712635	4.55E-09	-0.0086083	0.0194778	0.6585212	0.9824276	10	0.91912703
ENSG00000234465	19	PINLYP	44080952	rs6509093	19	44022434	G	C	0.400596	-0.0057651	0.00823612	0.483945	-0.434066	0.0692792	3.72E-10	0.0132815	0.0190924	0.4866519	0.8016023	6	0.8595034
ENSG00000104783	19	KCNN4	44270685	rs62116998	19	44307048	C	T	0.392644	0.00561544	0.00842899	0.50528	-0.545013	0.0760314	7.60E-13	-0.0103033	0.0155323	0.5071084	0.3781711	13	0.87285315
ENSG00000176222	19	ZNF404	44376515	rs108775	19	44405922	C	G	0.512922	-0.0039527	0.00806048	0.623866	-0.576675	0.0696808	1.27E-16	0.00685428	0.014002	0.6244733	0.8810209	16	0.91275936
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.48916	0.142832	1.89E-25	-0.0042226	0.00681327	0.5354113	0.9072604	13	0.88257879
ENSG00000213889	19	PPM1N	45992035	rs11882534	19	45993191	C	T	0.506958	0.00665247	0.00841582	0.429252	-0.382929	0.0696794	3.89E-08	-0.0173726	0.0222037	0.433968	0.6638003	4	0.85355259
ENSG00000204866	19	IGFL2	46646363	rs10412768	19	46677149	A	G	0.648111	-0.0031262	0.00810185	0.699599	-0.647598	0.0993883	7.23E-11	0.00482738	0.0125325	0.7000984	0.09506843	9	0.92489008
ENSG00000169515	19	CCDC8	46913629	rs892110	19	46926953	T	C	0.524851	0.0088645	0.00807013	0.272015	-0.272938	0.045534	2.05E-09	-0.0324781	0.03006	0.2799454	0.545334	10	0.75867672
ENSG00000182013	19	PNMAL1	46969748	rs8107491	19	46975167	A	G	0.705765	0.00992758	0.00885609	0.262293	-0.24946	0.0301747	1.37E-16	-0.0397963	0.0358259	0.2666442	0.8464925	20	0.75505733
ENSG00000105287	19	PRKD2	47177532	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.42706	0.0646322	3.91E-11	0.05361	0.020932	0.01043249	0.06182257	15	0.30239181
ENSG00000181027	19	FKRP	47249303	rs160544	19	47234885	A	G	0.145129	0.00624363	0.0115827	0.589853	0.502277	0.0738382	1.03E-11	0.0124307	0.0231327	0.5910167	0.06502341	12	0.90082611
ENSG00000134815	19	DHX34	47852538	rs2547400	19	47898162	G	C	0.082505	0.00569496	0.0128979	0.65882	0.481369	0.0749817	1.36E-10	0.0118308	0.0268575	0.6595743	0.2299776	14	0.91912703
ENSG00000105483	19	CARD8	48684027	rs116950953	19	48732930	T	C	0.0427435	0.0637044	0.0283751	0.0247628	-0.577274	0.0887889	7.94E-11	-0.110354	0.0520016	0.03382736	0.9294076	3	0.44751227
ENSG00000105479	19	CCDC114	48799714	rs275840	19	48865519	G	A	0.777336	-2.14E-05	0.00932078	0.998164	0.332888	0.0609398	4.69E-08	-6.44E-05	0.0279997	0.9981642	0.9793429	10	0.9981642
ENSG00000176909	19	MAMSTR	49215999	rs584768	19	49213284	A	G	0.469185	0.00705356	0.00818579	0.388862	0.447481	0.0811887	3.56E-08	0.0157628	0.0185153	0.3945794	0.873524	10	0.81709014
ENSG00000074219	19	TEAD2	49843852	rs11882257	19	49863489	G	T	0.259443	-0.0126248	0.00872946	0.148114	0.434872	0.0651733	2.51E-11	-0.0290311	0.0205397	0.157535	0.7596417	9	0.66596177
ENSG00000268686	19	AC010524.2	49871962	rs10408609	19	49896049	G	A	0.235586	0.0139887	0.0108159	0.195894	-0.588518	0.0983996	2.22E-09	-0.0237694	0.018803	0.2061845	0.4148105	5	0.72288156
ENSG00000161618	19	ALDH16A1	49956426	rs7252986	19	49958575	A	G	0.753479	-0.0143034	0.00873813	0.101653	-0.609613	0.0797051	2.04E-14	0.0234631	0.0146585	0.1094551	0.00737856	6	0.62987719
ENSG00000126457	19	PRMT1	50179043	rs74504832	19	50041891	C	T	0.0377734	0.0153199	0.026591	0.564526	0.643709	0.113854	1.57E-08	0.0237994	0.041523	0.5665344	0.8239944	5	0.90007051
ENSG00000010361	19	FUZ	50310126	rs148802382	19	50323328	C	T	0.0417495	0.0143041	0.0250884	0.568577	-0.634904	0.115728	4.11E-08	-0.0225295	0.0397281	0.5706505	0.9344842	3	0.90007051
ENSG00000039650	19	PNKP	50364461	rs2257103	19	50370066	T	C	0.406561	0.00596491	0.00831595	0.473198	0.432823	0.053616	6.88E-16	0.0137814	0.019289	0.4749362	0.5181795	10	0.8574394
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.828954	0.0754933	4.74E-28	0.0114972	0.0106372	0.2797654	0.1275332	16	0.75867672
ENSG00000142513	19	ACPT	51293672	rs113543025	19	51300691	A	G	0.204771	0.00588614	0.00975511	0.546248	0.559672	0.0888428	2.98E-10	0.0105171	0.0175098	0.5480788	0.8694601	5	0.88795606
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.949962	0.101446	7.66E-21	0.00774113	0.00972812	0.4261787	0.9105168	11	0.84792909
ENSG00000254415	19	SIGLEC14	52145806	rs73052830	19	52160765	C	A	0.130219	-0.0085021	0.0100876	0.399328	-0.830486	0.119717	4.00E-12	0.0102375	0.0122359	0.4027779	0.08213128	10	0.8242066
ENSG00000105509	19	HAS1	52216365	rs11084112	19	52222552	A	G	0.333996	0.0038216	0.00850545	0.653207	0.529339	0.0698417	3.48E-14	0.00721957	0.0160963	0.6537747	0.8554818	7	0.91912703
ENSG00000161551	19	ZNF577	52359055	rs7256792	19	52353249	T	C	0.389662	-0.0019642	0.00843682	0.815906	-0.399831	0.0598733	2.42E-11	0.0049126	0.0211138	0.8160156	0.1696311	9	0.95646975
ENSG00000198093	19	ZNF649	52392477	rs8107388	19	52407286	A	C	0.139165	0.0083389	0.011291	0.460183	-0.60751	0.11063	3.99E-08	-0.0137264	0.018753	0.4641968	0.5685297	5	0.8574394
ENSG00000269235	19	HCCAT3	52452387	rs7251478	19	52482511	A	G	0.106362	-0.0131872	0.0140102	0.346573	0.820868	0.122573	2.13E-11	-0.0160649	0.0172353	0.3512871	0.4743252	9	0.80906288
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	1.09855	0.0849297	2.86E-38	0.00825	0.00756371	0.2753896	0.3194643	13	0.75867672
ENSG00000167555	19	ZNF528	52901102	rs162123	19	52917626	G	A	0.762425	-0.0017064	0.00925264	0.853681	0.489521	0.0731687	2.23E-11	-0.0034859	0.0189086	0.8537365	0.4992898	10	0.97395571
ENSG00000198633	19	ZNF534	52932440	rs75774622	19	52927865	A	G	0.0894632	-0.0178806	0.0164781	0.277871	1.34643	0.155968	5.99E-18	-0.01328	0.0123347	0.2816407	0.3842972	13	0.75969836
ENSG00000167766	19	ZNF83	53097313	rs7256557	19	53119166	A	G	0.350895	-0.017054	0.00834443	0.0409779	0.508193	0.0631925	8.84E-16	-0.0335581	0.0169417	0.04761435	0.8514065	20	0.5020051
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.625526	0.061155	1.48E-24	-0.0185314	0.0134365	0.1678369	0.5954341	17	0.67654707
ENSG00000242779	19	ZNF702P	53471504	rs329744	19	53541112	A	C	0.827038	-0.0097736	0.010364	0.345663	-0.63833	0.112403	1.36E-08	0.0153113	0.0164585	0.3522169	0.1537562	3	0.80906288
ENSG00000170949	19	ZNF160	53569859	rs12985137	19	53617818	T	C	0.579523	0.0131474	0.00810928	0.104957	0.361249	0.0539295	2.11E-11	0.0363943	0.023096	0.1150765	0.4017643	11	0.63567524
ENSG00000170954	19	ZNF415	53611132	rs12985137	19	53617818	T	C	0.579523	0.0131474	0.00810928	0.104957	0.576681	0.0781689	1.61E-13	0.0227984	0.0143976	0.1133096	0.3847894	4	0.63136646
ENSG00000197937	19	ZNF347	53627325	rs3745180	19	53619391	C	A	0.666998	0.00051998	0.00846727	0.951032	0.548022	0.0746655	2.14E-13	0.00094884	0.0154511	0.9510337	0.1435245	10	0.98990046
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-0.850625	0.100835	3.29E-17	0.00450543	0.0121419	0.7105893	0.6783989	20	0.92734136
ENSG00000167608	19	TMC4	54663846	rs8101186	19	54670952	C	T	0.230616	0.0032074	0.00950788	0.73586	0.591569	0.0852558	3.96E-12	0.00542185	0.0160913	0.7361597	0.1639702	11	0.93184086
ENSG00000170889	19	RPS9	54704610	rs35740980	19	54713254	A	C	0.422465	-0.0057883	0.00820889	0.480729	-0.325196	0.0420732	1.08E-14	0.0177995	0.0253477	0.4825454	0.2892828	7	0.85760552
ENSG00000268496	19	CTD-2587H19.2	54945363	rs3745428	19	54940303	T	A	0.340954	0.00020347	0.00810531	0.979973	0.458149	0.0744717	7.65E-10	0.0004441	0.0176916	0.9799731	0.7651576	14	0.99206043
ENSG00000267838	19	AC008746.12	54949847	rs111257921	19	54948808	T	A	0.304175	0.00090988	0.00936767	0.922623	-0.526611	0.0798925	4.35E-11	-0.0017278	0.0177905	0.9226314	0.9814825	5	0.98254609
ENSG00000022556	19	NLRP2	55464498	rs514148	19	55474502	G	A	0.432406	-0.0026768	0.00823073	0.745013	0.523684	0.0686794	2.44E-14	-0.0051115	0.0157313	0.745238	0.925151	20	0.93221202
ENSG00000160439	19	RDH13	55550476	rs62122059	19	55570994	A	G	0.148111	-0.0006825	0.0116955	0.953462	-0.646588	0.101648	2.00E-10	0.00105562	0.0180888	0.9534639	0.49058	10	0.98990046
ENSG00000129991	19	TNNI3	55663137	rs10422978	19	55669872	G	C	0.17495	-0.0063289	0.010061	0.529315	0.688149	0.109397	3.17E-10	-0.009197	0.0146933	0.5313616	0.715801	12	0.88220467
ENSG00000080031	19	PTPRH	55692616	rs76990668	19	55718695	C	T	0.0745527	-0.0200769	0.0147492	0.173444	-0.665928	0.0959541	3.92E-12	0.0301488	0.0225703	0.1816251	0.0896482	3	0.68807378
ENSG00000108107	19	RPL28	55896713	rs62128188	19	55904516	T	C	0.333996	-0.0034776	0.00864553	0.68751	-0.30112	0.0431966	3.15E-12	0.0115487	0.028759	0.6880014	0.6969754	4	0.92061694
ENSG00000267454	19	ZNF582-AS1	56905025	rs12608966	19	56907816	T	C	0.492048	-0.0020798	0.00819613	0.799689	-0.489272	0.069266	1.62E-12	0.00425074	0.0167625	0.7998149	0.7505022	7	0.95011181
ENSG00000198046	19	ZNF667	56950694	rs10425729	19	56989191	A	G	0.664016	-0.0004151	0.00807749	0.959013	0.282802	0.0469031	1.64E-09	-0.0014679	0.0285634	0.9590145	0.1542193	10	0.98990046
ENSG00000269696	19	AC007228.11	57056935	rs2215151	19	57043981	T	G	0.281312	-0.0203395	0.00898657	0.0236157	0.765542	0.0882318	4.08E-18	-0.0265688	0.0121317	0.02852162	0.2511517	19	0.43069808
ENSG00000197016	19	ZNF470	57078880	rs1005254	19	57081942	T	C	0.758449	-0.0068583	0.0085604	0.423037	0.502571	0.0827091	1.23E-09	-0.0136464	0.0171806	0.4270264	0.1163421	4	0.84792909
ENSG00000131845	19	ZNF304	57862675	rs8100796	19	57898833	C	T	0.516899	0.00282878	0.0080527	0.725376	0.427649	0.0682737	3.76E-10	0.00661472	0.0188598	0.7257892	0.2174766	13	0.92829712
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	1.01402	0.0762816	2.54E-40	-0.0009642	0.00797668	0.9037837	0.7901466	20	0.97758476
ENSG00000268266	19	AC003005.2	57989017	rs12978073	19	57999939	C	G	0.355865	-0.0288755	0.0088794	0.00114609	-0.658472	0.104499	2.95E-10	0.0438523	0.0151748	0.00385464	0.7169021	5	0.24130836
ENSG00000105136	19	ZNF419	57999079	rs7255481	19	58010642	C	T	0.686879	-0.0021455	0.00913405	0.814292	-0.605124	0.0811135	8.64E-14	0.00354559	0.015102	0.8143825	0.2252135	8	0.95563415
ENSG00000204514	19	ZNF814	58360099	rs28374851	19	58361328	C	G	0.289264	0.0121378	0.00832495	0.144839	-0.285955	0.051866	3.52E-08	-0.0424465	0.0301136	0.1586732	0.475303	11	0.66713408
ENSG00000269867	19	CTD-2583A14.8	58378406	rs2012034	19	58380385	C	T	0.2833	0.00606795	0.00847922	0.474222	0.701022	0.0954635	2.08E-13	0.00865586	0.0121528	0.4763088	0.3578334	10	0.8574394
ENSG00000270804	19	CTD-2583A14.11	58379253	rs10406133	19	58379986	T	C	0.287276	0.00582301	0.0084775	0.49216	0.777541	0.0938533	1.18E-16	0.00748901	0.0109404	0.4936409	0.2000385	13	0.86491849
ENSG00000196724	19	ZNF418	58433252	rs7250037	19	58428153	A	G	0.322068	0.00924955	0.00828685	0.264349	-0.396159	0.0705911	2.00E-08	-0.0233481	0.0213277	0.273635	0.09935694	4	0.75867672
ENSG00000176593	19	CTD-2368P22.1	58513429	rs1035522	19	58510932	C	T	0.703777	0.0158274	0.00885709	0.0739418	-0.54098	0.0746284	4.20E-13	-0.0292569	0.0168624	0.0827347	0.1929475	5	0.59461506
ENSG00000268912	19	CTD-2619J13.17	58939999	rs1465789	19	58946056	A	G	0.494036	-0.0035036	0.00804644	0.663257	-0.517038	0.0900978	9.54E-09	0.00677625	0.0156073	0.6641636	0.1985018	11	0.91912703
ENSG00000269473	19	CTD-2619J13.19	58951815	rs11669741	19	58960481	C	T	0.500994	0.00033488	0.00808121	0.966945	0.396466	0.0715875	3.06E-08	0.00084467	0.0203837	0.9669463	0.07662152	4	0.99040487
ENSG00000213753	19	RPL23AP79	59084870	rs4101426	19	59102839	G	A	0.579523	-0.005994	0.00850096	0.480752	0.435308	0.0481343	1.52E-19	-0.0137695	0.0195879	0.4820807	0.5027374	17	0.85760552
ENSG00000101255	20	TRIB3	361261	rs6051554	20	357632	T	C	0.436382	0.00653097	0.00808079	0.41897	0.439222	0.0647026	1.13E-11	0.0148694	0.0185279	0.4222399	0.7415407	11	0.84570132
ENSG00000101307	20	SIRPB1	1544167	rs59317774	20	1888865	G	A	0.375746	-0.0015576	0.00836759	0.852328	1.05885	0.0882891	3.87E-33	-0.001471	0.00790348	0.8523463	0.9999852	19	0.97377517
ENSG00000230839	20	RP5-968J1.1	1784662	rs200895	20	1789798	C	G	0.653082	-0.0173099	0.00833653	0.0378582	0.546628	0.0752089	3.65E-13	-0.0316667	0.015861	0.04587781	0.0991053	6	0.49499979
ENSG00000125877	20	ITPA	3189514	rs112200085	20	3196390	A	G	0.129225	0.00157304	0.0149309	0.916095	-0.492301	0.0749761	5.16E-11	-0.0031953	0.0303327	0.9161051	0.681617	3	0.97843275
ENSG00000088836	20	SLC4A11	3208063	rs4507156	20	3228460	T	C	0.287276	0.0216061	0.00941145	0.0216915	0.561245	0.0814647	5.60E-12	0.0384967	0.0176754	0.029407	0.6183235	20	0.43523314
ENSG00000101236	20	RNF24	3907956	rs6116153	20	3996208	T	C	0.446322	-0.0211003	0.00807461	0.00897078	-0.238858	0.0407868	4.73E-09	0.0883383	0.0370179	0.01701568	0.048937	9	0.3720165
ENSG00000101290	20	CDS2	5107432	rs3746678	20	5178530	A	T	0.44334	-0.0065045	0.00831963	0.434315	0.318878	0.0414898	1.52E-14	-0.0203982	0.026225	0.436678	0.8431406	18	0.85440418
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	0.935887	0.131444	1.08E-12	0.00349429	0.0105489	0.7404589	0.7759227	3	0.93221202
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.466182	0.0669615	3.36E-12	0.0068499	0.0211951	0.7465567	0.2817075	15	0.93221202
ENSG00000125871	20	MGME1	17949556	rs56036162	20	17974775	T	C	0.136183	0.020626	0.0154001	0.18046	-0.518019	0.0871172	2.74E-09	-0.0398171	0.0304736	0.1913461	0.180752	5	0.69796387
ENSG00000101310	20	SEC23B	18488137	rs6112043	20	18615390	C	A	0.925447	0.00720693	0.0148432	0.627295	-0.48028	0.0828273	6.69E-09	-0.0150057	0.0310135	0.6284964	0.4739896	5	0.91541867
ENSG00000230387	20	RP4-737E23.2	23168765	rs6083046	20	23199139	G	A	0.137177	0.0024602	0.0109401	0.822073	0.731259	0.11577	2.68E-10	0.00336433	0.0149701	0.8221841	0.8363592	10	0.95965533
ENSG00000270001	20	RP11-218C14.8	23612463	rs2016161	20	23621174	T	G	0.771372	0.0168689	0.00972842	0.082922	0.467356	0.0788318	3.06E-09	0.0360943	0.0216879	0.09606103	0.2885279	4	0.6268876
ENSG00000100987	20	VSX1	25051521	rs3746331	20	25039046	C	A	0.230616	-0.0152875	0.00985757	0.120941	-0.492799	0.0728711	1.36E-11	0.0310218	0.0205225	0.1306356	0.1827692	15	0.64900038
ENSG00000175170	20	FAM182B	25744102	rs6115229	20	25602328	G	C	0.439364	-0.0059086	0.00809069	0.465211	0.68175	0.0799985	1.57E-17	-0.0086668	0.011911	0.466842	0.7478148	20	0.8574394
ENSG00000125804	20	FAM182A	26035291	rs6050679	20	25537827	A	T	0.517893	-0.0011396	0.00805403	0.887478	0.742528	0.0970724	2.02E-14	-0.0015348	0.0108486	0.8874975	0.1086606	20	0.97758476
ENSG00000205611	20	RP4-610C12.4	29513582	rs6119125	20	29641570	C	G	0.522863	-0.0187987	0.00809703	0.0202502	0.541418	0.0941203	8.80E-09	-0.0347212	0.0161274	0.03132338	0.9897047	20	0.43653569
ENSG00000198547	20	C20orf203	31219428	rs4911248	20	31214234	A	G	0.423459	0.0100438	0.00812081	0.216163	0.424649	0.0646216	4.99E-11	0.023652	0.0194593	0.2241918	0.1653696	11	0.72895982
ENSG00000078699	20	CBFA2T2	32077881	rs73119181	20	32188962	T	C	0.161034	0.0130271	0.0115115	0.257775	-0.3156	0.0530042	2.61E-09	-0.0412772	0.0371279	0.2662422	0.7148668	6	0.75505733
ENSG00000101412	20	E2F1	32263489	rs7274213	20	32238382	G	A	0.33002	-0.0029418	0.00837559	0.725409	-0.505938	0.0652481	8.90E-15	0.00581461	0.0165716	0.7256793	0.5789364	20	0.92829712
ENSG00000126005	20	MMP24-AS1	33804265	rs2297789	20	33867248	T	A	0.200795	0.0204524	0.00965069	0.0340675	-0.376551	0.0460214	2.79E-16	-0.0543151	0.0264749	0.04021171	0.9427649	5	0.47454387
ENSG00000101019	20	UQCC1	33890369	rs2425059	20	33912371	C	T	0.392644	0.00421115	0.00808171	0.602317	-0.216024	0.0366518	3.77E-09	-0.0194939	0.0375571	0.6037278	0.1011417	10	0.90278667
ENSG00000125991	20	ERGIC3	34129770	rs3790136	20	34143278	T	A	0.158052	-0.0019899	0.0129211	0.877608	0.436678	0.0655257	2.66E-11	-0.0045569	0.0295974	0.8776403	0.290097	11	0.97751185
ENSG00000224497	20	RPL36P4	34132175	rs45563939	20	34136791	T	C	0.149105	0.00100932	0.0140336	0.942664	1.19314	0.115555	5.42E-25	0.00084594	0.0117622	0.9426656	0.3510294	20	0.98990046
ENSG00000214078	20	CPNE1	34213953	rs146367992	20	34289650	A	T	0.101392	0.00521284	0.0150369	0.72884	-0.893473	0.0910761	1.02E-22	-0.0058344	0.0168402	0.7290018	0.8886669	20	0.92882498
ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.16597	0.109444	1.68E-26	0.00339759	0.00947885	0.7200147	0.3845644	17	0.92829712
ENSG00000196756	20	SNHG17	37049235	rs788347	20	37062583	T	C	0.159046	0.0114055	0.0110916	0.30381	1.35592	0.105965	1.73E-37	0.00841163	0.0082065	0.3053649	0.6821447	20	0.77854243
ENSG00000101104	20	PABPC1L	43538703	rs2072726	20	43538597	T	G	0.287276	-0.0295187	0.00940449	0.00169648	-0.480394	0.0692672	4.05E-12	0.0614469	0.0214882	0.00424223	0.9560138	7	0.24130836
ENSG00000124116	20	WFDC3	44376583	rs3746493	20	44418564	G	A	0.656064	-0.0072242	0.00853616	0.397382	0.972114	0.0843298	9.59E-31	-0.0074314	0.00880466	0.3986504	0.4191144	20	0.82021696
ENSG00000124140	20	SLC12A5	44650356	rs2425752	20	44702120	C	T	0.739563	-0.0373102	0.00889292	2.72E-05	-0.164781	0.0292976	1.86E-08	0.226423	0.0673292	0.00077121	0.06989154	3	0.1592668
ENSG00000225849	20	MKRN7P	45092541	rs7266119	20	45100761	T	C	0.0576541	0.00111505	0.0183064	0.951431	1.03482	0.178143	6.29E-09	0.00107753	0.0176914	0.9514332	0.3635454	5	0.98990046
ENSG00000158296	20	SLC13A3	45186463	rs2694877	20	45202637	G	A	0.816103	-0.0034051	0.0115978	0.769061	-0.324315	0.0532339	1.11E-09	0.0104995	0.0358024	0.769322	0.1590139	6	0.94048369
ENSG00000231742	20	RP11-112L6.4	48789087	rs6012867	20	48789745	C	T	0.34493	0.00748702	0.00845137	0.375675	0.714443	0.0962833	1.17E-13	0.0104795	0.0119133	0.3790504	0.3135782	12	0.81183661
ENSG00000196396	20	PTPN1	49126891	rs4811054	20	48989953	A	T	0.746521	0.0166236	0.0100643	0.0985893	0.283264	0.0518385	4.65E-08	0.0586859	0.0371175	0.1138584	0.6995204	4	0.63136646
ENSG00000124164	20	VAPB	56964178	rs2268914	20	57015075	G	C	0.301193	-0.0138937	0.00811781	0.0869861	0.5282	0.0602714	1.89E-18	-0.0263039	0.0156592	0.09300117	0.1025528	13	0.61517016
ENSG00000215440	20	NPEPL1	57264187	rs8115194	20	57281809	T	C	0.242545	-0.0024027	0.0104325	0.817855	-0.333903	0.0528999	2.75E-10	0.00719565	0.0312649	0.8179743	0.5058366	6	0.95822483
ENSG00000101158	20	NELFCD	57556263	rs17851253	20	57564695	T	C	0.119284	0.00182028	0.0108145	0.866332	-0.686254	0.102408	2.07E-11	-0.0026525	0.0157637	0.8663745	0.898003	15	0.97612159
ENSG00000101181	20	MTG2	60758085	rs11204465	20	60780679	T	C	0.114314	-0.0203656	0.0116042	0.0792538	0.691661	0.0971333	1.07E-12	-0.0294445	0.0172794	0.08837609	0.5552978	5	0.60579914
ENSG00000174403	20	C20orf166-AS1	61141550	rs6062237	20	61154437	C	T	0.312127	-0.0009101	0.00836903	0.913402	-0.391287	0.0664449	3.89E-09	0.00232596	0.0213921	0.9134167	0.1677626	11	0.97758476
ENSG00000101190	20	TCFL5	61472467	rs1980500	20	61473841	C	T	0.274354	0.0195559	0.00915807	0.0327303	0.530893	0.0545685	2.27E-22	0.0368359	0.0176609	0.03700354	0.3738136	11	0.45167317
ENSG00000225978	20	HAR1A	61733483	rs750698	20	61735509	G	T	0.606362	0.00853477	0.00836603	0.307648	0.30318	0.0465761	7.55E-11	0.0281508	0.0279311	0.3135183	0.4891851	7	0.7815893
ENSG00000101198	20	NKAIN4	61872136	rs147378830	20	61885230	C	G	0.0934394	-0.0221106	0.0168508	0.189474	0.674731	0.0883444	2.21E-14	-0.0327695	0.02534	0.1959442	0.3153548	11	0.70411091
ENSG00000268858	20	C20ORF135	62492879	rs2236151	20	62514259	T	A	0.0248509	0.0125461	0.0171971	0.465669	-1.31464	0.218797	1.87E-09	-0.0095434	0.0131773	0.4689255	0.8130946	3	0.8574394
ENSG00000224924	21	LINC00320	22114908	rs8131245	21	22116149	A	C	0.0815109	0.0083757	0.0118954	0.481362	0.458442	0.0570804	9.63E-16	0.0182699	0.026047	0.4830396	0.1547034	20	0.85760552
ENSG00000273492	21	AP000230.1	27543189	rs457581	21	27594480	A	G	0.238569	-0.0083468	0.00930417	0.369665	0.880145	0.0825293	1.49E-26	-0.0094834	0.0106085	0.371352	0.1627401	20	0.81024032
ENSG00000156253	21	RWDD2B	30376705	rs6516886	21	30393664	T	A	0.712724	-0.0216312	0.0106884	0.0429903	-0.563259	0.0677388	9.16E-17	0.0384036	0.01953	0.04925271	0.6191249	20	0.51148939
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.414071	0.0668647	5.92E-10	-0.038241	0.021851	0.08010492	0.1353924	4	0.58790784
ENSG00000142188	21	TMEM50B	34804792	rs2834225	21	34825875	A	G	0.446322	0.0131382	0.00805071	0.102693	-0.462296	0.0667359	4.29E-12	-0.0284195	0.0178913	0.1121852	0.7926685	6	0.62987719
ENSG00000241837	21	ATP5O	35275757	rs2032311	21	35289717	C	T	0.695825	-0.0207128	0.00847583	0.0145352	0.182812	0.0277594	4.53E-11	-0.113301	0.0494528	0.02195789	0.03081872	13	0.40127139
ENSG00000231106	21	AP000688.8	37377636	rs61738607	21	37377631	A	G	0.348907	0.00376144	0.00841153	0.654748	0.543954	0.0828971	5.32E-11	0.006915	0.0154995	0.6554948	0.4116091	6	0.91912703
ENSG00000185917	21	SETD4	37406839	rs4817761	21	37395556	T	C	0.304175	-0.0008152	0.00895889	0.927495	-0.403967	0.0673578	2.01E-09	0.00201807	0.0221798	0.9275032	0.3440562	10	0.98538858
ENSG00000159267	21	HLCS	38123189	rs8127595	21	38349240	A	G	0.368787	0.00396278	0.0082146	0.629516	-0.32419	0.0555335	5.29E-09	-0.0122236	0.0254252	0.6306812	0.06305785	9	0.9171315
ENSG00000224790	21	AP000704.5	38338812	rs13046468	21	38339455	T	C	0.430417	0.0092834	0.00807436	0.250251	-0.703735	0.0911897	1.19E-14	-0.0131916	0.0116002	0.2554601	0.1258421	20	0.74942179
ENSG00000182670	21	TTC3	38445526	rs2835608	21	38493455	G	A	0.579523	-0.0013215	0.00807505	0.870009	0.209211	0.0379668	3.58E-08	-0.0063164	0.0386147	0.8700656	0.4013208	7	0.97612159
ENSG00000157578	21	LCA5L	40777770	rs8130246	21	40785851	G	A	0.526839	-0.0040669	0.00808821	0.615088	-0.556401	0.07172	8.63E-15	0.00730937	0.0145672	0.615829	0.05694915	20	0.90879519
ENSG00000185437	21	SH3BGR	40817781	rs7275686	21	40788355	A	C	0.212724	0.0209597	0.0110583	0.058043	0.507975	0.0814115	4.39E-10	0.0412613	0.0227516	0.06974617	0.1407574	10	0.55697839
ENSG00000184809	21	C21orf88	40969074	rs660857	21	40992501	T	C	0.293241	-0.0038459	0.00952123	0.686262	-0.356412	0.0604414	3.71E-09	0.0107907	0.0267767	0.6869565	0.2893693	9	0.92061694
ENSG00000226496	21	LINC00323	42513427	rs9974272	21	42521711	G	A	0.193837	0.0251611	0.0113042	0.0260262	-0.970216	0.107795	2.25E-19	-0.0259335	0.0120022	0.03071631	0.4658147	12	0.43653569
ENSG00000141956	21	PRDM15	43218385	rs143393748	21	43298846	T	C	0.12326	-0.0021272	0.0141624	0.880606	0.608527	0.107619	1.56E-08	-0.0034957	0.0232815	0.8806482	0.2525104	4	0.97758476
ENSG00000184385	21	C21orf128	43522244	rs11701944	21	43533143	G	A	0.274354	0.0104289	0.00880607	0.236301	0.471969	0.0741973	2.00E-10	0.0220966	0.0189788	0.244311	0.05285191	12	0.74596735
ENSG00000160194	21	NDUFV3	44299754	rs62217610	21	44358481	A	C	0.202783	0.00548567	0.00889441	0.537397	0.440943	0.0759475	6.40E-09	0.0124408	0.0202848	0.5396753	0.9242318	6	0.88454878
ENSG00000160200	21	CBS	44473301	rs35879780	21	44413457	A	G	0.141153	0.00962485	0.0102659	0.348473	-1.1116	0.131602	3.00E-17	-0.0086586	0.00929196	0.351423	0.9021865	15	0.80906288
ENSG00000241945	21	PWP2	45527171	rs7277269	21	45512356	C	G	0.17992	0.00099616	0.0108812	0.927057	1.41113	0.11529	1.90E-34	0.00070593	0.0077112	0.9270588	0.182381	18	0.98538858
ENSG00000160221	21	C21orf33	45553487	rs3788104	21	45512094	A	G	0.16501	-0.0090425	0.0116415	0.437309	1.4034	0.113111	2.39E-35	-0.0064433	0.00831145	0.4382052	0.05534839	19	0.85440418
ENSG00000141959	21	PFKL	45719934	rs9974877	21	45725858	T	C	0.321074	0.00317853	0.00849122	0.708158	-0.462865	0.0680907	1.06E-11	-0.0068671	0.0183727	0.7085791	0.8615642	6	0.92728645
ENSG00000160226	21	C21orf2	45748827	rs56242109	21	45757631	A	G	0.237575	-0.004528	0.0101643	0.655972	0.431394	0.0701525	7.78E-10	-0.0104962	0.0236233	0.6568132	0.7457223	3	0.91912703
ENSG00000184441	21	AP001062.7	45751117	rs2070573	21	45750346	A	C	0.210736	0.00361576	0.00996853	0.716817	-0.434787	0.0767779	1.49E-08	-0.0083162	0.0229744	0.7173702	0.5599653	8	0.92829712
ENSG00000227039	21	ITGB2-AS1	46340966	rs7276960	21	46350065	C	T	0.377734	0.0009657	0.00840658	0.908545	0.372244	0.060504	7.63E-10	0.00259427	0.0225875	0.9085605	0.8964716	5	0.97758476
ENSG00000235374	21	SSR4P1	46491648	rs3788152	21	46496122	C	A	0.125249	-0.0078524	0.010145	0.438918	0.762352	0.121103	3.07E-10	-0.0103003	0.0134077	0.4423474	0.1625243	8	0.85482403
ENSG00000215447	21	BX322557.10	46707967	rs2838865	21	46712299	T	C	0.296223	0.0138434	0.00914124	0.129927	-0.491155	0.0618522	2.01E-15	-0.0281854	0.0189472	0.1368619	0.1085702	13	0.64900038
ENSG00000223768	21	LINC00205	46713200	rs2838867	21	46713092	T	C	0.294235	0.0136848	0.0091233	0.13362	-0.807712	0.0644238	4.66E-36	-0.0169427	0.0113758	0.136392	0.2301998	20	0.64900038
ENSG00000160282	21	FTCD	47556176	rs13052806	21	47645670	G	A	0.434394	-0.0090872	0.00809015	0.261334	-0.435847	0.0699734	4.70E-10	0.0208495	0.0188613	0.2689804	0.7252566	17	0.75505733
ENSG00000160284	21	SPATC1L	47581062	rs76497643	21	48027843	G	A	0.0894632	-0.0045629	0.0116594	0.695537	-0.861579	0.143724	2.04E-09	0.00529602	0.0135614	0.6961509	0.7088083	20	0.92331125
ENSG00000182362	21	YBEY	47706251	rs35210219	21	47769134	T	A	0.152087	0.00498611	0.0105092	0.635179	0.92296	0.100731	5.07E-20	0.0054023	0.0114017	0.6356303	0.1111916	20	0.91912703
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.04093	0.0930832	4.95E-29	0.0152113	0.00901854	0.09166698	0.3998685	20	0.61316282
ENSG00000177663	22	IL17RA	17565844	rs3016113	22	17517298	C	T	0.583499	-0.0194275	0.00819063	0.0176962	0.351233	0.0523663	1.98E-11	-0.0553123	0.0247349	0.02533819	0.8092407	8	0.42123496
ENSG00000093072	22	CECR1	17660194	rs1807518	22	17685358	T	C	0.489066	-0.011438	0.00809526	0.157679	0.384772	0.0645915	2.57E-09	-0.0297267	0.0216228	0.1691986	0.5022598	8	0.67654707
ENSG00000237517	22	DGCR5	18958027	rs2540626	22	18954191	C	T	0.322068	-0.0055612	0.0094633	0.55676	-0.254853	0.0419407	1.23E-09	0.0218212	0.0373056	0.5585936	0.3716533	10	0.89472516
ENSG00000273164	22	DGCR10	19010569	rs28757280	22	19009723	C	A	0.286282	0.0142016	0.00868107	0.101854	-0.704203	0.0682479	5.82E-25	-0.0201669	0.0124815	0.1061492	0.1506643	20	0.62987719
ENSG00000070413	22	DGCR2	19023795	rs2238740	22	19048449	A	G	0.182903	0.0163776	0.0110411	0.137984	0.233742	0.0372871	3.64E-10	0.070067	0.0485407	0.1488881	0.07827286	13	0.65648756

ENSG00000185838	22	GNB1L	19770747	rs3788304	22	19840196	G	C	0.201789	-0.0176159	0.0104327	0.0913103	0.420244	0.0762836	3.61E-08	-0.0419183	0.0259653	0.1064414	0.1088139	6	0.62987719
ENSG00000215012	22	C22orf29	19833661	rs8138689	22	19812973	T	C	0.435388	0.00341557	0.00824345	0.678627	-0.265569	0.0390497	1.04E-11	-0.0128613	0.0310983	0.6791886	0.212425	15	0.9199834
ENSG00000184470	22	TXNRD2	19863040	rs7289343	22	19860990	T	G	0.150099	0.0185677	0.0138942	0.181432	-0.474605	0.0724989	5.89E-11	-0.0391224	0.0298791	0.1904125	0.2494101	4	0.69796387
ENSG00000223553	22	SMPD4P1	20956882	rs165825	22	21145979	T	C	0.423459	0.00505525	0.00899791	0.574235	-0.404094	0.0727427	2.77E-08	-0.0125101	0.0223805	0.5761799	0.9540472	13	0.90007051
ENSG00000099940	22	SNAP29	21213271	rs192565874	22	21042969	A	G	0.0735586	0.0242869	0.0168895	0.150439	-0.563705	0.100902	2.31E-08	-0.0430844	0.0309382	0.163742	0.5627887	4	0.67262324
ENSG00000230513	22	THAP7-AS1	21356175	rs12165467	22	21366206	T	C	0.212724	0.00809254	0.00951854	0.395221	-0.933227	0.109848	1.97E-17	-0.0086716	0.0102505	0.3975742	0.5177391	10	0.82021696
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.4516	0.139729	2.79E-25	0.00528345	0.0123191	0.6680095	0.7846006	10	0.91912703
ENSG00000187905	22	AC002472.13	21400249	rs9625422	22	21404113	G	A	0.0854871	0.00302774	0.0142522	0.831764	0.5674	0.0909555	4.43E-10	0.00533617	0.025133	0.8318597	0.2561696	3	0.96244121
ENSG00000183506	22	PI4KAP2	21827289	rs853148	22	21033724	A	T	0.499006	-0.0052035	0.00862867	0.546473	-0.592134	0.0722573	2.51E-16	0.00878777	0.0146116	0.5475562	0.7559489	20	0.88780189
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.914237	0.0681564	5.02E-41	-0.0011973	0.00911747	0.8955261	0.1870616	20	0.97758476
ENSG00000228050	22	TOP3BP1	22577580	rs5756324	22	22335125	C	T	0.256461	-0.0006001	0.00931467	0.948635	0.887411	0.103276	8.50E-18	-0.0006762	0.0104968	0.9486362	0.1871236	20	0.98990046
ENSG00000272779	22	LL22NC03-80A10.(	22657589	rs1807696	22	22657557	C	G	0.416501	0.00057508	0.00819017	0.944022	0.359592	0.0536176	1.99E-11	0.00159925	0.0227775	0.944025	0.5463557	13	0.98990046
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.596514	0.101893	4.79E-09	-0.0060048	0.0149275	0.6874868	0.7832717	5	0.92061694
ENSG00000128266	22	GNAZ	23412540	rs3788337	22	23412017	G	A	0.601392	0.0308429	0.00851636	0.00029278	0.354029	0.0455167	7.37E-15	0.0871197	0.0265354	0.00102654	0.1082577	17	0.1592668
ENSG00000186716	22	BCR	23521891	rs180811	22	23657495	G	C	0.357853	-0.0107249	0.00839388	0.201355	-0.288492	0.0397962	4.19E-13	0.0371757	0.0295442	0.2082799	0.4338488	6	0.72288156
ENSG00000133519	22	ZDHHC8P1	23732793	rs8135792	22	23744814	A	G	0.0238569	-0.0203824	0.0280214	0.46699	0.964071	0.108562	6.66E-19	-0.021142	0.029163	0.4684772	0.9709962	3	0.8574394
ENSG00000272733	22	KB-208E9.1	23923067	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.792055	0.0961805	1.79E-16	0.00542945	0.0110002	0.6216037	0.7040042	9	0.91218503
ENSG00000189269	22	C22orf43	23950639	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.767138	0.102872	8.84E-14	0.0056058	0.0113619	0.6217411	0.9820757	4	0.91218503
ENSG00000128218	22	VPREB3	24094930	rs9306389	22	24136252	T	C	0.112326	0.0185914	0.0120267	0.122141	0.860022	0.137128	3.57E-10	0.0216174	0.0144027	0.1333753	0.4874556	8	0.64900038
ENSG00000218537	22	AP000350.4	24236613	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.887731	0.0941712	4.23E-21	0.00988329	0.00946415	0.2963528	0.2183318	20	0.77811352
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.2107	0.0852619	9.19E-46	0.0072468	0.00691562	0.2946898	0.3237154	20	0.77801577
ENSG00000225282	22	AP000350.6	24269087	rs5751761	22	24243736	T	C	0.564612	0.013127	0.00828892	0.113267	0.932171	0.0955828	1.80E-22	0.0140822	0.00900854	0.1180046	0.6721589	20	0.63661183
ENSG00000133433	22	GSTT2B	24299601	rs5751775	22	24266726	C	T	0.609344	0.00863968	0.00835042	0.300837	-0.946001	0.0902851	1.09E-25	-0.0091328	0.00887	0.3031825	0.1933379	20	0.77854243
ENSG00000099977	22	DDT	24313554	rs5751771	22	24258777	T	C	0.606362	0.00963985	0.0083451	0.248028	0.402058	0.057778	3.44E-12	0.0239763	0.02104	0.2544711	0.4774576	12	0.74930874
ENSG00000250470	22	AP000351.3	24319095	rs371976864	22	24334453	T	C	0.412525	0.0138383	0.0082032	0.0916157	0.692974	0.110283	3.31E-10	0.0199694	0.0122568	0.1032607	0.9863406	5	0.62987719
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.28984	0.127442	4.46E-24	-0.0099575	0.00850504	0.2416882	0.3675314	16	0.74413587
ENSG00000224205	22	AP000351.4	24329511	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	1.0371	0.100668	6.88E-25	0.0119397	0.00802447	0.1367729	0.7893133	20	0.64900038
ENSG00000100068	22	LRP5L	25747385	rs133198	22	25756674	T	C	0.710736	-0.0045413	0.00906851	0.616525	-0.526642	0.0876433	1.87E-09	0.0086232	0.0172792	0.6177433	0.691609	20	0.90932164
ENSG00000272942	22	CTA-246H3.12	25830291	rs9624843	22	25895362	T	C	0.0347913	-0.0504861	0.020742	0.0149328	-1.04467	0.18031	6.88E-09	0.0483273	0.021536	0.02483103	0.8008296	5	0.42123496
ENSG00000100058	22	CRYBB2P1	25844072	rs6004675	22	25889385	C	A	0.0715706	-0.0400432	0.0156027	0.010275	0.909382	0.122128	9.61E-14	-0.0440334	0.018148	0.01525144	0.2291395	7	0.35786984
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.02075	0.133976	2.56E-14	0.0392627	0.0161264	0.01490472	0.3306038	11	0.35786984
ENSG00000235954	22	TTC28-AS1	28315364	rs738454	22	28305509	G	A	0.146123	0.00030021	0.0108289	0.977883	0.559811	0.0953255	4.29E-09	0.00053627	0.0193441	0.9778832	0.05321016	20	0.99173018
ENSG00000100325	22	ASCC2	30184597	rs59394320	22	30233223	C	T	0.0437376	0.0136967	0.0164476	0.404986	0.482417	0.0865424	2.48E-08	0.0283918	0.0344725	0.4101623	0.8653404	3	0.83438501
ENSG00000214491	22	SEC14L6	30918786	rs5749123	22	30937512	A	G	0.753479	-0.008621	0.0089201	0.333812	0.649163	0.0912754	1.14E-12	-0.0132801	0.0138672	0.3382328	0.5271933	8	0.80012474
ENSG00000237977	22	EIF4HP2	31298206	rs12167144	22	31298208	C	A	0.286282	0.00904248	0.00892191	0.310815	-0.704744	0.0901529	5.40E-15	-0.0128309	0.0127657	0.3148848	0.6484103	9	0.78222404
ENSG00000100225	22	FBXO7	32870663	rs3827335	22	32883282	G	A	0.589463	0.00468295	0.00833289	0.574127	0.329156	0.0454206	4.27E-13	0.0142271	0.0253919	0.5752737	0.4103228	7	0.90007051
ENSG00000100336	22	APOL4	36585172	rs132717	22	36596652	T	C	0.409543	0.00357854	0.00811843	0.659364	-0.417486	0.0721282	7.12E-09	-0.0085716	0.0195023	0.6602852	0.596944	3	0.91912703
ENSG00000100348	22	TXN2	36863083	rs62229996	22	36906128	C	T	0.028827	-0.0059267	0.0181589	0.744139	0.702983	0.107684	6.66E-11	-0.0084307	0.0258635	0.744447	0.359034	16	0.93221202
ENSG00000100350	22	FOXRED2	36883237	rs146532334	22	36903096	T	C	0.0377734	0.00927211	0.0202896	0.647679	0.856145	0.115752	1.40E-13	0.0108301	0.023744	0.6483047	0.7150019	13	0.91912703
ENSG00000128311	22	TST	37406900	rs7288429	22	37414983	A	G	0.143141	-0.0147241	0.0133299	0.269334	0.596863	0.0868081	6.17E-12	-0.0246691	0.0226196	0.2754455	0.3221794	4	0.75867672
ENSG00000133466	22	C1QTNF6	37576207	rs229534	22	37588013	C	T	0.212724	-0.0212904	0.0101187	0.0353728	-0.611619	0.0725698	3.52E-17	0.0348099	0.0170519	0.04121009	0.8828876	12	0.48086156
ENSG00000100106	22	TRIOBP	38093011	rs4821698	22	38115318	T	C	0.332008	0.00622659	0.00836981	0.456916	-0.284723	0.042913	3.25E-11	-0.0218689	0.0295805	0.4597238	0.2476068	20	0.8574394
ENSG00000100139	22	MICALL1	38301664	rs84445	22	38291074	A	G	0.389662	0.0106625	0.00827479	0.197553	-0.310582	0.0461101	1.63E-11	-0.0343307	0.027126	0.2056557	0.9201725	11	0.72288156
ENSG00000100151	22	PICK1	38452318	rs2076370	22	38463968	G	A	0.61332	-0.0042903	0.00893926	0.631268	-0.382133	0.0477691	1.25E-15	0.0112273	0.0234351	0.6318802	0.6788458	20	0.9171315
ENSG00000272720	22	CTA-228A9.3	38486134	rs2076370	22	38463968	G	A	0.61332	-0.0042903	0.00893926	0.631268	-0.28776	0.0491919	4.92E-09	0.0149094	0.0311694	0.6324109	0.9724294	11	0.91726078
ENSG00000239713	22	APOBEC3G	39436924	rs2899313	22	39482023	A	C	0.617296	-0.0014399	0.0081299	0.859417	-0.389527	0.0602268	9.95E-11	0.00369661	0.020879	0.8594699	0.6490445	6	0.97576711
ENSG00000196236	22	XPNPEP3	41253081	rs5758065	22	41161049	G	A	0.487078	0.00736573	0.00816506	0.366029	-0.30334	0.0531178	1.16E-08	0.0242873	0.0272518	0.3728111	0.662335	11	0.81081535
ENSG00000100162	22	CENPM	42334725	rs4822070	22	42352081	G	A	0.121272	0.0176103	0.013902	0.205244	0.887694	0.138708	1.56E-10	0.0198383	0.0159646	0.2140016	0.01951722	9	0.72409396
ENSG00000198951	22	NAGA	42454358	rs2854837	22	42458481	A	G	0.671968	-0.0045919	0.00829973	0.580087	0.282706	0.0493078	9.84E-09	-0.0162426	0.0294945	0.5818395	0.3395594	20	0.90050718
ENSG00000183172	22	SMDT1	42475695	rs2854827	22	42461918	A	G	0.193837	-0.0292503	0.0129423	0.0238183	0.286403	0.0457782	3.94E-10	-0.10213	0.0480473	0.03353551	0.1024629	20	0.44649522
ENSG00000184983	22	NDUFA6	42481529	rs117150568	22	42683200	A	G	0.027833	0.01305	0.0294216	0.657367	0.693896	0.0835077	9.62E-17	0.0188069	0.042461	0.6578228	0.3702547	9	0.91912703
ENSG00000100197	22	CYP2D6	42522501	rs2854740	22	42538897	A	G	0.534791	-0.0075942	0.00809528	0.348193	0.762195	0.0753676	4.84E-24	-0.0099636	0.0106666	0.3502577	0.1116277	20	0.80906288
ENSG00000227370	22	RP4-669P10.19	42528550	rs16947	22	42523943	A	G	0.342942	0.00158862	0.0082956	0.848132	-0.625204	0.102322	9.95E-10	-0.002541	0.0132751	0.8482063	0.1259199	20	0.97069345
ENSG00000189306	22	RRP7A	42905974	rs136980	22	42943481	A	G	0.154076	0.00772185	0.0112081	0.490851	0.902925	0.11698	1.18E-14	0.00855204	0.0124625	0.4925716	0.7613735	20	0.86481083
ENSG00000182841	22	RRP7B	42951229	rs9611825	22	42994430	T	G	0.254473	0.0060856	0.00933771	0.51458	-0.554935	0.0825152	1.75E-11	-0.0109663	0.0169055	0.5165425	0.7207101	20	0.87396207
ENSG00000100243	22	CYB5R3	43013846	rs137134	22	43021713	A	T	0.166004	0.00338162	0.0105615	0.74883	-0.406017	0.0716843	1.48E-08	-0.0083288	0.026054	0.749216	0.6293494	11	0.9330342
ENSG00000242247	22	ARFGAP3	43192508	rs7287792	22	43394489	C	T	0.457256	0.00133179	0.00829738	0.872481	0.441395	0.0660672	2.37E-11	0.00301723	0.0188035	0.8725179	0.5518855	15	0.97746477
ENSG00000093000	22	NUP50	45559722	rs9615046	22	45546274	T	C	0.547714	-0.0075529	0.00810636	0.351477	0.269131	0.0487795	3.44E-08	-0.0280641	0.030547	0.3582423	0.873117	6	0.80906288
ENSG00000100376	22	FAM118A	45704849	rs5765271	22	45746826	G	T	0.865805	0.0127513	0.0105659	0.227499	-1.62536	0.134782	1.74E-33	-0.0078452	0.00653312	0.2298145	0.6812314	18	0.73712698
ENSG00000075234	22	TTC38	46663858	rs57866552	22	46689229	T	C	0.0248509	-0.0228733	0.0296319	0.440166	0.770462	0.114828	1.95E-11	-0.0296878	0.0387136	0.4431668	0.8675042	4	0.85482403
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.679191	0.0716997	2.73E-21	0.00329485	0.0125132	0.7923112	0.9113996	12	0.94831585
ENSG00000182858	22	ALG12	50293877	rs28470568	22	50335839	T	G	0.158052	0.0242661	0.01154	0.0354846	0.390605	0.0658273	2.96E-09	0.0621244	0.0313441	0.04747816	0.5215086	20	0.5020051
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.6466	0.141822	3.65E-31	0.0305956	0.0159321	0.05481018	0.00267096	20	0.5349102
ENSG00000100429	22	HDAC10	50683612	rs7290465	22	50679758	G	A	0.728628	0.0038128	0.0093146	0.682293	-0.552902	0.0700332	2.91E-15	-0.006896	0.0168694	0.6826961	0.8671315	6	0.92024574
ENSG00000188130	22	MAPK12	50683879	rs5771111	22	50695946	G	C	0.701789	0.00213878	0.00897279	0.8116	-0.466832	0.0569369	2.42E-16	-0.0045815	0.0192287	0.8116777	0.9613059	10	0.95353766
ENSG00000205593	22	DENND6B	50747459	rs73188949	22	50822657	A	G	0.305169	0.00077908	0.00859623	0.927787	0.196206	0.0357063	3.91E-08	0.0039707	0.0438182	0.9277964	0.8383199	12	0.98538858
ENSG00000100239	22	PPP6R2	50781733	rs9616847	22	50868669	T	A	0.373757	-0.0094898	0.00816303	0.245019	0.267248	0.0396229	1.53E-11	-0.0355094	0.0309952	0.2519432	0.1477908	16	0.74648506
ENSG00000205560	22	CPT1B	51007290	rs3213445	22	51015838	C	T	0.0427435	-0.0174127	0.0161805	0.281858	-0.894447	0.10696	6.14E-17	0.0194676	0.0182391	0.2858131	0.9968723	19	0.76204597
ENSG00000100288	22	CHKB	51017378	rs86337	22	51020668	A	C	0.569583	0.00626675	0.0083578	0.45337	0.453713	0.0569002	1.54E-15	0.0138121	0.0185022	0.4553562	0.833364	18	0.8574394
ENSG00000100299	22	ARSA	51061182	rs6151429	22	51063477	C	T	0.0815109	-0.0164026	0.0215329	0.446214	-1.01025	0.133828	4.39E-14	0.0162362	0.0214227	0.4485126	0.9888921	14	0.85482403
ENSG00000184319	22	AC002055.4	51195376	rs9616963	22	51202748	G	A	0.0745527	-0.0172756	0.0152235	0.25646	-0.881001	0.133871	4.67E-11	0.0196091	0.0175348	0.2634414	0.9633478	9	0.75505733
ENSG00000182583	23	VCX	7810303	rs2529876	23	7810800	T	C	0.64752	-0.0100402	0.00725075	0.166141	-0.629312	0.0784635	1.05E-15	0.0159542	0.0116922	0.1724024	0.950287	9	0.68201901
ENSG00000205642	23	VCX3B	8432871	rs6530175	23	8428040	A	G	0.434726	0.00129027	0.00713457	0.856487	-0.512977	0.0818127	3.61E-10	-0.0025153	0.013914	0.8565462	0.717694	6	0.97499228
ENSG00000176896	23	TCEANC	13671225	rs5935650	23	13681679	T	G	0.51436	0.00032859	0.00712114	0.963197	-0.379338	0.057643	4.68E-11	-0.0008662	0.018773	0.9631975	0.3799633	6	0.98990046
ENSG00000046647	23	GEMIN8	14026398	rs7055256	23	14035798	C	A	0.314621	0.0046157	0.00768875	0.548293	-0.283788	0.0487424	5.81E-09	-0.0162646	0.0272369	0.5504054	0.7823988	10	0.8889518
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.340152	0.0304119	4.84E-29	-0.0267961	0.0223354	0.2302518	0.02693236	20	0.73712698
ENSG00000087842	23	PIR	15402921	rs6527616	23	15516974	G	A	0.633159	0.0172901	0.0075522	0.0220557	0.419192	0.0552187	3.16E-14	0.0412463	0.0188175	0.0283863	0.09217881	20	0.43069808
ENSG00000147003	23	TMEM27	15645441	rs5934269	23	15733994	G	A	0.52611	-0.0008158	0.00705957	0.907998	0.514794	0.078916	6.88E-11	-0.0015848	0.0137155	0.9080123	0.7701025	10	0.97758476
ENSG00000169249	23	ZRSR2	15808595	rs5934279	23	15820456	A	C	0.732376	-0.0110913	0.00802966	0.167189	-0.530765	0.0539146	7.24E-23	0.0208968	0.0152767	0.1713458	0.6979774	8	0.68177246
ENSG00000012174	23	MBTPS2	21857754	rs6629430	23	21919604	A	G	0.171018	0.00066486	0.00931925	0.943125	-0.368239	0.0562026	5.68E-11	-0.0018055	0.0253091	0.9431281	0.3145152	13	0.98990046
ENSG00000147119	23	CHST7	46433219	rs6611274	23	46471748	T	C	0.516971	-0.0050781	0.00703873	0.470632	-0.325058	0.0428812	3.44E-14	0.0156222	0.0217516	0.4726295	0.03411719	16	0.8574394
ENSG00000102007	23	PLP2	49028273	rs184339396	23	49043608	C	G	0.0221932	0.0156061	0.017018	0.359123	-0.596885	0.081738	2.83E-13	-0.0261459	0.0287353	0.3628814	0.6861881	7	0.80906288
ENSG00000215162	23	LINC00269	68399400	rs6624391	23	68427473	C	T	0.313316	-0.0066514	0.0074666	0.373028	0.656153	0.0768256	1.33E-17	-0.0101369	0.0114411	0.3756121	0.1035376	8	0.81183661
ENSG00000147164	23	SNX12	70279094	rs5981065	23	70292200	G	A	0.583551	-0.000893	0.00706496	0.899414	-0.319918	0.0487817	5.45E-11	0.00279141	0.0220878	0.8994325	0.631391	4	0.97758476
ENSG00000231963	23	RP11-493K23.4	72300006	rs138240615	23	71776985	A	G	0.0887728	-0.0036732	0.0127586	0.773423	-0.512221	0.0905213	1.53E-08	0.00717108	0.0249406	0.7737092	0.1623766	9	0.94346142
ENSG00000187325	23	TAF9B	77385245	rs140162383	23	77521269	C	T	0.796345	0.00047084	0.00867878	0.956734	0.352034	0.0522032	1.55E-11	0.00133749	0.024654	0.9567358	0.4356879	20	0.98990046
ENSG00000102362	23	SYTL4	99929488	rs2858178	23	99983920	A	G	0.531332	0.00050974	0.00708671	0.942658	0.390011	0.0497268	4.40E-15	0.00130699	0.0181713	0.9426607	0.3408351	10	0.98990046
ENSG00000188917	23	TRMT2B	100264335	rs113780984	23	100306853	T	C	0.110966	-0.0052484	0.0100364	0.60102	-0.677152	0.103688	6.55E-11	0.00775067	0.0148689	0.6021814	0.5285594	5	0.90240315
ENSG00000198932	23	GPRASP1	101906294	rs143672620	23	102172244	T	C	0.0796345	0.00760108	0.0105022	0.469213	-0.236641	0.0432314	4.40E-08	-0.0321207	0.0447666	0.4730559	0.5453643	3	0.8574394
ENSG00000102409	23	BEX4	102470020	rs412725	23	102505078	C	T	0.618799	-0.001592	0.00708919	0.822321	-0.168961	0.0264982	1.81E-10	0.009422	0.0419836	0.8224297	0.2622597	10	0.95965533
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.467885	0.0613601	2.44E-14	-0.027947	0.0172493	0.1051926	0.5405608	12	0.62987719
ENSG00000018610	23	CXorf56	118672112	rs62599882	23	118703694	A	G	0.0469974	0.00788101	0.0198771	0.691747	-0.763379	0.0797175	1.01E-21	-0.0103238	0.0260606	0.6919962	0.9951908	20	0.92251355
ENSG00000125352	23	RNF113A	119004497	rs2240448	23	118925705	T	C	0.476501	-0.0055253	0.00705428	0.433478	-0.27152	0.047843	1.39E-08	0.0203495	0.026227	0.4378086	0.5191266	11	0.85440418
ENSG00000213468	23	RP11-453F18 B.1	130836678	rs5932966	23	130854405	C	A	0.300261	0.0154213	0.00766417	0.0442069	-0.286903	0.0524486	4.50E-08	-0.0537509	0.0284634	0.05896886	0.1344351	12	0.54438791
ENSG00000169551	23	CXorf48	134290461	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.570776	0.0745386	1.90E-14	-0.0161836	0.0135216	0.231358	0.5014773	20	0.73715815
ENSG00000203930	23	LINC00632	139791932	rs4824956	23	139854825	G	A	0.139687	0.0130813	0.0106195	0.218019	-0.52122	0.0720246	4.60E-13	-0.0250975	0.0206674	0.2246134	0.4720655	3	0.72895982
ENSG00000179542	23	SLITRK4	142710596	rs146188921	23	142714243	C	T	0.0691906	-0.0111979	0.0177088	0.527166	-0.306738	0.0487397	3.11E-10	0.0365064	0.0580233	0.5292394	0.2955243	3	0.88188742
ENSG00000238039	23	AF011889.2	148593039	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.658444	0.073644	3.86E-19	-0.0079085	0.0109528	0.4702653	0.9837324	12	0.8574394
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.689134	0.0861838	1.28E-15	0.00648972	0.0109938	0.5549845	0.6957308	13	0.89149482
ENSG00000130032	23	PRRG3	150863596	rs5925008	23	150867321	T	C	0.406005	-0.0092764	0.00708155	0.190216	-0.172596	0.027743	4.93E-10	0.0537464	0.0419293	0.199901	0.4727624	3	0.71094928
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.1069	0.142068	6.63E-15	-0.012173	0.0188644	0.5187401	0.2575284	14	0.87396207
ENSG00000184343	23	SRPK3	153041867	rs6643644	23	153037275	T	C	0.798956	-0.0011712	0.00842677	0.889463	0.417606	0.0566487	1.68E-13	-0.0028045	0.0201823	0.8894829	0.4114602	10	0.97758476
ENSG00000147403	23	RPL10	153618315	rs6655247	23	153652384	G	A	0.0822454	0.00556226	0.00982708	0.571384	-0.281838	0.0392815	7.24E-13	-0.0197357	0.0349762	0.5725769	0.8076131	6	0.90007051
ENSG00000130827	23	PLXNA3	153686621	rs2070816	23	153595418	C	T	0.165796	-0.0108164	0.00846247	0.201193	-0.3787	0.0514116	1.76E-13	0.0285619	0.02268	0.2079066	0.1888927	20	0.72288156

Table S10. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in substantia nigra

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000272512	1	RP11-54O7.17	931346	rs2710880	1	931166	G	A	0.361829	-0.008872	0.00813779	0.275617	-0.568649	0.100817	1.70E-08	0.0156018	0.0145756	0.2844363	0.2657749	8	0.76422371
ENSG00000242485	1	MRPL20	1337288	rs35745967	1	1309885	G	A	0.0964215	-0.0146237	0.0123781	0.237436	0.440705	0.0730653	1.62E-09	-0.0331825	0.0286207	0.2462986	0.8054662	20	0.74642061
ENSG00000215915	1	ATAD3C	1385069	rs1240695	1	1378837	C	T	0.208748	-0.0104547	0.00887514	0.238808	-0.810881	0.0931755	3.24E-18	0.012893	0.0110449	0.2430769	0.6212974	20	0.74642061
ENSG00000160072	1	ATAD3B	1407143	rs116603779	1	1469861	T	C	0.0129225	0.0267729	0.0432999	0.536369	-2.18976	0.295531	1.27E-13	-0.0122264	0.0198425	0.5377813	0.9778567	15	0.85095565
ENSG00000189339	1	SLC35E2B	1592939	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	-1.09141	0.0990536	3.12E-28	-0.0031272	0.00882911	0.7231979	0.4727557	20	0.92352672
ENSG00000227775	1	RP1-283E3.4	1655951	rs79113395	1	1590521	A	G	0.256461	0.00473859	0.00961137	0.621998	0.807757	0.10451	1.08E-14	0.00586636	0.011923	0.6227058	0.1585118	14	0.88926239
ENSG00000231050	1	RP1-140A9.1	1822910	rs3806168	1	1823524	C	G	0.197813	-0.0017534	0.0109635	0.872936	-0.972799	0.133334	2.96E-13	0.00180242	0.0112728	0.8729667	0.6601356	10	0.97364622
ENSG00000270171	1	RP11-338N10.1	7753184	rs2995031	1	7752915	G	A	0.454274	0.0044621	0.00813629	0.583405	0.643006	0.0851306	4.25E-14	0.00693944	0.0126868	0.5843928	0.05168643	6	0.86329121
ENSG00000162461	1	SLC25A34	16062900	rs12744547	1	16062378	G	A	0.210736	-0.0043028	0.0101469	0.671531	-0.708969	0.124795	1.34E-08	0.00606904	0.014352	0.6723898	0.133557	3	0.90681256
ENSG00000186510	1	CLCNKA	16345370	rs1048302	1	16340879	G	T	0.677932	0.0171632	0.0090299	0.0573403	-0.858173	0.127791	1.87E-11	-0.0199997	0.0109356	0.06741986	0.8457187	20	0.59137223
ENSG00000185519	1	FAM131C	16384264	rs28429281	1	16417026	A	G	0.411531	0.0109097	0.00803543	0.174557	-0.556884	0.101253	3.80E-08	-0.0195906	0.0148624	0.1874598	0.8000531	8	0.70535632
ENSG00000215908	1	CROCCP2	16944751	rs277462	1	16847832	C	T	0.597416	0.0115808	0.00849112	0.172609	-0.634858	0.100135	2.30E-10	-0.0182416	0.0136808	0.1824109	0.973186	5	0.70535632
ENSG00000058453	1	CROCC	17066768	rs6691985	1	17289911	T	C	0.310139	0.0143631	0.00840636	0.0875246	0.471147	0.0755714	4.53E-10	0.0304854	0.0185002	0.09938609	0.9581925	6	0.64933886
ENSG00000127463	1	EMC1	19542158	rs710865	1	19568972	G	A	0.350895	-0.0142883	0.00899325	0.11211	-0.342289	0.0619314	3.26E-08	0.0417434	0.0273379	0.1267751	0.4645773	11	0.68584187
ENSG00000169914	1	OTUD3	20209006	rs12403258	1	20235353	G	C	0.0198807	0.0291346	0.0181336	0.108128	1.43805	0.223722	1.29E-10	0.0202598	0.0129978	0.1190651	0.5953443	6	0.68251286
ENSG00000225986	1	RP3-340N1.5	20510735	rs10916720	1	20524374	A	T	0.186879	-0.0167262	0.00969523	0.0844929	0.561011	0.0981968	1.11E-08	-0.0298144	0.0180525	0.09862789	0.5625007	3	0.64933886
ENSG00000162545	1	CAMK2N1	20808884	rs75810319	1	20807073	T	G	0.101392	0.0109792	0.0135293	0.41707	-0.853124	0.13023	5.72E-11	-0.0128694	0.0159798	0.4206138	0.03098706	15	0.83955616
ENSG00000227001	1	NBPF2P	21751118	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	0.888761	0.150288	3.34E-09	-0.0150277	0.01085	0.1660426	0.9907302	3	0.70535632
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.20426	0.104167	6.51E-31	0.0110906	0.00784366	0.1573734	0.6684556	15	0.70535632
ENSG00000218510	1	LINC00339	22351681	rs11586488	1	22348556	C	T	0.277336	0.00687397	0.00916407	0.453194	0.681593	0.118066	7.79E-09	0.0100852	0.0135581	0.4569688	0.09125342	5	0.84448908
ENSG00000187010	1	RHD	25598884	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-1.08489	0.114158	2.03E-21	0.0282324	0.00834321	0.00071469	0.5784181	10	0.17166839
ENSG00000224183	1	SDHDP6	25620655	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.811555	0.134559	1.63E-09	0.0373424	0.0121221	0.00206637	0.6406974	3	0.19013442
ENSG00000188672	1	RHCE	25688740	rs35189648	1	25841631	T	C	0.445328	0.0118415	0.00809158	0.143348	-0.742045	0.0950551	5.88E-15	-0.0159579	0.0110944	0.1503266	0.02237956	10	0.69712322
ENSG00000157978	1	LDLRAP1	25870071	rs12096438	1	25889422	T	C	0.522863	0.0161335	0.0080716	0.04563	-0.434153	0.0533555	4.05E-16	-0.0371609	0.0191443	0.05224706	0.00718406	6	0.57562556
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.74976	0.0922832	4.49E-16	0.0191148	0.0133385	0.1518432	0.0046643	20	0.69871143
ENSG00000142733	1	MAP3K6	27681675	rs113684612	1	27776436	A	G	0.026839	-0.0766471	0.0595893	0.198353	1.19503	0.214419	2.50E-08	-0.0641382	0.051175	0.2100923	0.5131538	6	0.70896241
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.46187	0.152297	8.09E-22	0.0146696	0.0132341	0.2676578	0.5738501	6	0.7510678
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.06267	0.112311	3.02E-21	0.00647719	0.00851954	0.4470904	0.6721773	17	0.84448908
ENSG00000084628	1	NKAIN1	31652592	rs10737355	1	31683480	G	A	0.762425	0.0018219	0.00889708	0.837748	0.835664	0.0867994	6.12E-22	0.00218018	0.0106491	0.8377841	0.08466077	20	0.95826543
ENSG00000233621	1	RP11-422J8.1	37920480	rs12401987	1	37919466	A	G	0.659046	-0.0037141	0.00891432	0.676943	-0.638141	0.100068	1.80E-10	0.00582012	0.013999	0.6775905	0.2743982	11	0.91222619
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.967183	0.095421	3.83E-24	-0.00049	0.00864413	0.9547984	0.3428445	12	0.98929041
ENSG00000187815	1	ZFP69	40942887	rs74823942	1	40939387	C	T	0.175944	-0.0062836	0.0111886	0.574384	-0.638589	0.101756	3.48E-10	0.00983987	0.0175908	0.5759061	0.2789911	6	0.86027764
ENSG00000238287	1	RP11-656D10.3	40958829	rs11208254	1	40959506	T	G	0.328032	-0.0033593	0.00881244	0.703059	-0.80605	0.134468	2.04E-09	0.00416755	0.010955	0.7036295	0.5558988	3	0.91378818
ENSG00000164008	1	C1orf50	43232940	rs2760082	1	43265535	C	A	0.297217	0.00051302	0.00833467	0.950919	-0.576332	0.092907	5.53E-10	-0.0008902	0.0144623	0.9509214	0.3110974	16	0.98929041
ENSG00000228452	1	RP5-994D16.9	43241484	rs33950227	1	43296173	T	C	0.252485	0.0040992	0.00844432	0.627365	0.672608	0.118907	1.54E-08	0.00609449	0.0126007	0.6286265	0.905152	11	0.88945142
ENSG00000177868	1	CCDC23	43272723	rs323720	1	43271033	C	T	0.323062	0.00036339	0.00825163	0.964874	0.573978	0.0919173	4.25E-10	0.00063311	0.0143766	0.9648745	0.7064811	11	0.98929041
ENSG00000227533	1	SLC2A1-AS1	43424720	rs841574	1	43436513	C	T	0.466203	-0.0085189	0.00812441	0.294383	0.780791	0.115272	1.26E-11	-0.0109106	0.0105293	0.3001025	0.7718002	9	0.77119938
ENSG00000232022	1	RP5-1109J22.1	46897801	rs12029329	1	46879856	G	C	0.754473	0.00040405	0.0087835	0.963309	-0.713722	0.123755	8.06E-09	-0.0005661	0.012307	0.9633107	0.9435514	8	0.98929041
ENSG00000272491	1	RP5-1024N4.4	48693560	rs2275309	1	48937691	T	A	0.428429	-0.0021491	0.00829875	0.79566	0.739698	0.118428	4.21E-10	-0.0029054	0.0112287	0.7958315	0.4245049	8	0.94610551
ENSG00000134744	1	ZCCHC11	52873954	rs11805462	1	53003821	T	C	0.0506958	-0.0073924	0.0173094	0.669328	0.570134	0.0853914	2.44E-11	-0.012966	0.0304223	0.6699618	0.6952637	12	0.90650357
ENSG00000162383	1	SLC1A7	53552855	rs11206111	1	53609496	T	C	0.367793	0.010745	0.00831645	0.19635	0.760541	0.0991663	1.73E-14	0.0141281	0.011089	0.2026404	0.8097371	16	0.70535632
ENSG00000243725	1	TTC4	55181495	rs78290635	1	55212625	C	G	0.0576541	-0.0015144	0.0181416	0.933475	1.58354	0.219663	5.64E-13	-0.0009563	0.0114571	0.9334792	0.1598412	6	0.97985908
ENSG00000162600	1	OMA1	58881056	rs7355166	1	58985750	A	G	0.292247	-0.004439	0.0102353	0.664514	0.463589	0.0754284	7.94E-10	-0.0095752	0.0221333	0.6652948	0.1061159	4	0.90650357
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.27238	0.121681	1.37E-25	0.012785	0.00684045	0.0616184	0.2567094	8	0.57706239
ENSG00000197568	1	HHLA3	70820488	rs7536099	1	70821757	G	A	0.261431	0.0037354	0.0107382	0.727944	-0.66898	0.104375	1.46E-10	-0.0055837	0.0160752	0.7283286	0.8216015	5	0.92367756
ENSG00000162620	1	LRRIQ3	74491699	rs533371	1	74687012	G	A	0.464215	0.00108298	0.00807081	0.893257	-0.963911	0.112759	1.25E-17	-0.0011235	0.00837401	0.8932695	0.9283586	10	0.97364622
ENSG00000116783	1	TNNI3K	74663947	rs792323	1	74707594	T	C	0.142147	-0.0077154	0.0104864	0.461883	-0.803581	0.130655	7.73E-10	0.00960128	0.0131426	0.465057	0.04199297	6	0.84448908
ENSG00000272864	1	RP11-17E13.2	75164453	rs7527057	1	75172001	A	T	0.459245	0.00395162	0.00837118	0.636891	-0.703333	0.113512	5.79E-10	-0.0056184	0.0119366	0.6378646	0.3960916	10	0.8959946
ENSG00000116791	1	CRYZ	75171170	rs28588069	1	75220929	G	A	0.543738	0.0099952	0.00811597	0.218118	-0.683198	0.101192	1.46E-11	-0.01463	0.0120754	0.2256825	0.1210643	7	0.73294044
ENSG00000267272	1	RP5-1052I5.1	87595448	rs6686259	1	87598117	G	T	0.728628	0.0114793	0.00893255	0.198755	0.611123	0.0994236	7.91E-10	0.0187839	0.0149327	0.2084243	0.8398069	4	0.70896241
ENSG00000137944	1	CCBL2	89401456	rs10801690	1	89373371	C	T	0.479125	-0.00944	0.00810348	0.244047	-0.576011	0.0665101	4.70E-18	0.0163886	0.014195	0.2482819	0.5979235	20	0.74642061
ENSG00000117226	1	GBP3	89472349	rs12121223	1	89481583	T	C	0.32008	0.0176619	0.00946381	0.0620055	-1.02825	0.105901	2.75E-22	-0.0171767	0.00937227	0.06684573	0.6602857	20	0.59137223
ENSG00000231613	1	RP5-943J3.1	90254473	rs2146338	1	90221128	T	C	0.534791	0.00199564	0.00827249	0.809371	0.749516	0.109168	6.62E-12	0.00266257	0.0110439	0.8094859	0.3522366	6	0.95126474
ENSG00000223745	1	RP4-717I23.3	93727743	rs10874774	1	93799002	T	C	0.805169	-0.0013983	0.0109173	0.898083	0.932637	0.0968369	5.91E-22	-0.0014993	0.0117069	0.8980916	0.04981298	13	0.97364622
ENSG00000122481	1	RWDD3	95699711	rs2147587	1	95714884	A	G	0.872763	0.0005023	0.0120224	0.966674	-0.663898	0.118409	2.06E-08	-0.0007566	0.0181093	0.9666746	0.1978511	11	0.98929041
ENSG00000134222	1	PSRC1	109822178	rs3820667	1	109968410	C	A	0.537773	-0.0119363	0.00808429	0.139813	0.421649	0.0651367	9.59E-11	-0.0283086	0.0196654	0.1500058	0.3229209	18	0.69712322
ENSG00000134201	1	GSTM5	110254864	rs1758104	1	110254678	T	G	0.818091	0.0108016	0.0114501	0.345496	-1.34968	0.156244	5.71E-18	-0.0080031	0.00853401	0.3483537	0.5433273	8	0.79789339
ENSG00000134202	1	GSTM3	110276554	rs11101992	1	110266754	C	A	0.23161	-0.013022	0.00967612	0.17837	0.991234	0.11533	8.34E-18	-0.0131372	0.00988064	0.1836545	0.139906	16	0.70535632
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.646884	0.0758563	1.49E-17	0.00721894	0.0133833	0.5896114	0.3310576	17	0.86779815
ENSG00000260948	1	RP11-552M11.8	111973668	rs10857884	1	112012139	G	A	0.400596	0.00471893	0.00811054	0.560684	-0.720612	0.108879	3.63E-11	-0.0065485	0.0112985	0.5621901	0.05873804	9	0.85486451
ENSG00000116874	1	WARS2	119573839	rs2645291	1	119572541	T	C	0.45328	-0.009137	0.00805614	0.256725	-0.700236	0.103735	1.48E-11	0.0130485	0.0116662	0.2633586	0.3832316	11	0.7510678
ENSG00000231365	1	RP11-418J17.1	119683019	rs10923750	1	119650795	G	T	0.276342	-0.0112011	0.00933809	0.23033	-0.813279	0.11433	1.13E-12	0.0137728	0.0116441	0.2368852	0.3961736	12	0.74326637
ENSG00000223804	1	RP6-206I17.1	143647638	rs71259660	1	144581564	A	C	0.206759	-0.0042204	0.00987884	0.669223	-0.695852	0.122	1.17E-08	0.00606505	0.0142365	0.6700927	0.8915687	9	0.90650357
ENSG00000162836	1	ACP6	147101453	rs2275552	1	147131945	C	T	0.718688	-0.0044343	0.00923196	0.631004	0.979468	0.0982828	2.15E-23	-0.0045272	0.00943642	0.6313993	0.4484742	13	0.89108174
ENSG00000237975	1	FLG-AS1	152140601	rs7545406	1	152193286	T	G	0.585487	-0.0033149	0.00836087	0.691755	-0.797842	0.11671	8.14E-12	0.00415481	0.010497	0.6922449	0.3737318	6	0.91378818
ENSG00000189171	1	S100A13	153591263	rs9729773	1	153594623	G	A	0.514911	0.0130308	0.00811035	0.108124	0.333804	0.0470776	1.34E-12	0.0390373	0.0249127	0.1171234	0.8432052	11	0.68169746
ENSG00000272030	1	RP1-178F15.4	153603914	rs4351684	1	153636860	G	A	0.519881	0.0107382	0.00805402	0.182442	-0.749083	0.102901	3.35E-13	-0.0143351	0.0109307	0.1897032	0.3651953	13	0.70535632
ENSG00000163354	1	DCST2	154990996	rs10908453	1	155006091	G	A	0.360835	0.00978566	0.00817136	0.23109	-0.490356	0.088811	3.36E-08	-0.0199562	0.0170516	0.2418627	0.5685175	3	0.74642061
ENSG00000169231	1	THBS3	155165379	rs760077	1	155178782	A	T	0.394632	0.00997331	0.00833011	0.231205	-0.656056	0.100249	5.98E-11	-0.0152019	0.012908	0.2389109	0.4762093	4	0.74334713
ENSG00000163382	1	APOA1BP	156561554	rs3795733	1	156564922	T	C	0.704771	-0.015053	0.00928589	0.105003	0.391253	0.0696253	1.92E-08	-0.0384738	0.0247015	0.1193403	0.153733	4	0.68251286
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.946628	0.0982646	5.77E-22	0.0137187	0.00890545	0.1234428	0.3558373	8	0.6858401
ENSG00000143194	1	MAEL	166958346	rs7551881	1	166955312	T	G	0.32505	-0.0066086	0.00853796	0.438916	-0.616506	0.0977746	2.87E-10	0.0107194	0.0139529	0.4423341	0.3979626	8	0.84448908
ENSG00000171806	1	METTL18	169761670	rs75952049	1	169885815	C	T	0.10338	-0.0133114	0.01607	0.40748	-1.03252	0.165778	4.71E-10	0.0128921	0.0157009	0.4115844	0.304269	4	0.8316384
ENSG00000242193	1	RP11-568K15.1	177975271	rs34322793	1	177982948	C	T	0.28827	-0.0014215	0.00888977	0.872962	-0.387947	0.0702153	3.29E-08	0.00366403	0.0229245	0.8730147	0.4607512	3	0.97364622
ENSG00000162782	1	TDRD5	179560748	rs2274622	1	179520050	C	T	0.312127	-0.0022256	0.00958428	0.816369	0.364562	0.0616698	3.39E-09	-0.006105	0.0263101	0.8165079	0.1973732	13	0.95391633
ENSG00000135823	1	STX6	180941861	rs6667291	1	181011509	G	A	0.534791	0.0144791	0.00820732	0.0777052	-0.562648	0.0849081	3.44E-11	-0.0257339	0.015095	0.08823395	0.6236749	4	0.64593039
ENSG00000198756	1	COLGALT2	183898796	rs7515190	1	183940314	C	G	0.662028	0.00130799	0.00830733	0.87489	0.57193	0.0832999	6.61E-12	0.00228698	0.0145289	0.8749227	0.9466619	5	0.97364622
ENSG00000244414	1	CFHR1	196788887	rs78042598	1	196376140	G	C	0.0328032	-0.007802	0.0240378	0.745506	-1.19598	0.209793	1.19E-08	0.0065235	0.0201314	0.7459031	0.8908649	10	0.92588328
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.877695	0.0879768	1.93E-23	0.022048	0.00945184	0.01966577	0.2739742	20	0.4723718
ENSG00000133067	1	LGR6	202163029	rs2993433	1	202190742	T	C	0.426441	0.0086909	0.00817548	0.287762	0.357178	0.0653351	4.58E-08	0.0243321	0.0233178	0.2967171	0.8812396	6	0.76954774
ENSG00000162877	1	PM20D1	205797150	rs823080	1	205789282	A	G	0.39662	0.011901	0.00809537	0.141535	-0.82148	0.118369	3.92E-12	-0.0144873	0.0100733	0.1503812	0.0255807	13	0.69712322
ENSG00000117335	1	CD46	207925402	rs4844392	1	207991209	G	C	0.204771	0.00705923	0.00972707	0.468004	-0.483714	0.0843542	9.79E-09	-0.0145938	0.0202695	0.4715329	0.8665199	5	0.84587273
ENSG00000226251	1	RP11-15I11.3	212398620	rs2884466	1	212555668	A	G	0.200795	-0.0007562	0.010457	0.94235	1.08611	0.146971	1.47E-13	-0.0006963	0.0096284	0.9423528	0.9702015	11	0.9841441
ENSG00000198468	1	FLVCR1-AS1	213025450	rs7524203	1	213011812	C	G	0.550696	0.00478168	0.00825481	0.562414	1.02128	0.0990285	6.16E-25	0.00468205	0.00809555	0.563029	0.3706506	20	0.85486451
ENSG00000162769	1	FLVCR1	213031597	rs12036853	1	213078181	T	A	0.249503	0.00227949	0.010291	0.824701	0.437194	0.0785156	2.57E-08	0.00521391	0.0235574	0.8248369	0.6984089	9	0.95499982
ENSG00000272823	1	RP11-295M18.6	221002018	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.54885	0.0955106	9.11E-09	-0.0100771	0.0156477	0.5195753	0.1659075	11	0.84798393
ENSG00000238078	1	RP11-295M18.2	221002597	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.771251	0.106332	4.07E-13	-0.0071712	0.0111094	0.5185959	0.2523713	11	0.84798393
ENSG00000272750	1	RP11-378J18.8	222832209	rs36079339	1	222841614	A	G	0.737575	0.00622464	0.00925388	0.501169	-0.883571	0.123309	7.75E-13	-0.0070449	0.0105193	0.5030442	0.6655784	8	0.84798393
ENSG00000203697	1	CAPN8	223711349	rs1573980	1	223839376	C	A	0.11332	0.0087244	0.0173747	0.615574	1.06987	0.192853	2.90E-08	0.00815464	0.0163064	0.6170131	0.9483102	3	0.88605361
ENSG00000163041	1	H3F3A	226249552	rs6692329	1	226278185	A	G	0.718688	-0.0073238	0.00897563	0.414519	-0.538374	0.0791379	1.02E-11	0.0136036	0.0167912	0.4178479	0.1320941	7	0.83778853
ENSG00000135773	1	CAPN9	230883130	rs868143	1	230889677	C	G	0.264414	0.00095791	0.0106814	0.928542	-0.52384	0.0778974	1.76E-11	-0.0018286	0.0203924	0.928548	0.9790636	7	0.9787673
ENSG00000182118	1	FAM89A	231154704	rs4543780	1	231174431	T	C	0.295229	0.025722	0.00877536	0.00337699	-0.385507	0.0689615	2.27E-08	-0.0667225	0.0257026	0.00943305	0.05110138	6	0.32849435
ENSG00000135778	1	NTPCR	233086351	rs12725558	1	233091463	A	T	0.16004	0.00406713	0.0107642	0.705552	1.13831	0.11182	2.44E-24	0.00357295	0.00946281	0.7057437	0.3099668	5	0.91378818
ENSG00000168275	1	COA6	234509202	rs7523348	1	234511503	G	A	0.49503	0.00079901	0.00811993	0.921614	0.549474	0.0693375	2.29E-15	0.00145414	0.0147788	0.9216196	0.6556593	17	0.9787673
ENSG00000225554	1	RP11-527D7.1	241587592	rs10926494	1	241637536	G	A	0.294235	-0.0077652	0.0083458	0.35215	0.858525	0.118986	5.38E-13	-0.0090448	0.00980158	0.3561184	0.5844429	7	0.80107257
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	0.982168	0.116937	4.50E-17	0.00662744	0.00845976	0.4333876	0.1903271	16	0.84448908
ENSG00000224525	1	RP11-561I11.3	242366857	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.02409	0.110641	2.12E-20	0.00635614	0.00810721	0.433034	0.4175602	20	0.84448908
ENSG00000272195	1	RP11-156E8.1	245132652	rs2050632	1	245159567	T	C	0.586481	0.0276178	0.00863707	0.00138583	0.967334	0.0963864	1.06E-23	0.0285504	0.00937098	0.00231379	0.1421694	20	0.19013442
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.832744	0.0819202	2.83E-24	-0.0136974	0.00982518	0.1632848	0.00400093	20	0.70535632
ENSG00000221953	1	C1orf229	247273462	rs6696117	1	247273748	T	C	0.364811	0.00668193	0.00866841	0.440803	-0.678537	0.103718	6.07E-11	-0.0098476	0.0128635	0.4439494	0.6053368	20	0.84448908
ENSG00000196418	1	ZNF124	247285277	rs10159377	1	247289430	T	C	0.276342	0.00985563	0.00936702	0.292725	-0.684484	0.0900845	3.00E-14	-0.0143986	0.0138154	0.2973107	0.8602781	8	0.76954774
ENSG00000227135	1	GCSAML-AS1	247687981	rs61838187	1	247655729	T	C	0.323062	-0.0024437	0.00905883	0.787347	0.74659	0.129798	8.82E-09	-0.0032732	0.0121469	0.7875736	0.4426896	4	0.94610551
ENSG00000226191	1	RP11-438H8.8	248099363	rs77165143	1	247966492	G	C	0.0298211	0.0281565	0.0245813	0.252027	-1.31982	0.237163	2.62E-08	-0.0213336	0.0190152	0.2618944	0.4535777	7	0.7510678
ENSG00000196071	1	OR2L13	248100493	rs77165143	1	247966492	G	C	0.0298211	0.0281565	0.0245813	0.252027	-1.33525	0.224115	2.56E-09	-0.0210871	0.0187467	0.2606552	0.7090376	9	0.7510678
ENSG00000234171	2	AC108488.3	3606082	rs35489637	2	3616123	A	C	0.293241	0.0100648	0.00842147	0.232034	-1.18141	0.100685	8.56E-32	-0.0085193	0.0071652	0.2344459	0.7301624	10	0.74092023
ENSG00000118004	2	COLEC11	3642426	rs4850074	2	3669088	T	C	0.672962	-0.0099137	0.00904182	0.272892	-1.09512	0.143269	2.11E-14	0.00905261	0.00834097	0.2777808	0.6241242	15	0.76072457
ENSG00000225964	2	AC017076.5	6968645	rs10495545	2	6990020	T	C	0.115308	0.00656604	0.0120227	0.584973	1.27171	0.204951	5.47E-10	0.00516316	0.00949051	0.5864183	0.4752438	4	0.86521914
ENSG00000271952	2	RP11-245G13.2	11018395	rs34413173	2	10984402	A	G	0.421471	0.0124559	0.00846711	0.141265	0.840266	0.107764	6.32E-15	0.0148238	0.0102545	0.1482925	0.5470028	3	0.69712322
ENSG00000183891	2	TTC32	20096404	rs13415707	2	20173673	T	G	0.111332	-0.0322402	0.0151017	0.0327718	0.802032	0.136859	4.62E-09	-0.0401981	0.0200398	0.0448655	0.7660022	4	0.55549964
ENSG00000118961	2	C2orf43	20883788	rs13385191	2	20888265	G	A	0.250497	0.00428946	0.00918223	0.640394	-0.786272	0.115958	1.20E-11	-0.0054554	0.0117059	0.6411845	0.6617088	13	0.89855611
ENSG00000219626	2	FAM228B	24299396	rs10187612	2	24358344	T	C	0.139165	0.0329281	0.0101561	0.00118607	-0.761681	0.135672	1.98E-08	-0.0432308	0.0153976	0.00499063	0.3306943	7	0.26059763
ENSG00000232642	2	AC008073.7	24388753	rs2288073	2	24413298	G	A	0.313121	-0.0203671	0.00903418	0.024168	0.887202	0.140184	2.47E-10	-0.0229566	0.0108095	0.03369272	0.09028932	15	0.55196399
ENSG00000157851	2	DPYSL5	27070615	rs7590170	2	27029134	T	C	0.432406	-0.009607	0.00816707	0.239473	-0.286695	0.0437416	5.59E-11	0.0335093	0.0289421	0.2469433	0.1407871	19	0.74642061
ENSG00000171103	2	TRMT61B	29072687	rs13016112	2	29012574	C	T	0.592445	0.0121195	0.00815457	0.13722	-0.570462	0.0858718	3.07E-11	-0.0212451	0.014648	0.1469558	0.8651047	20	0.69712322
ENSG00000018699	2	TTC27	32853099	rs111896629	2	32903548	A	G	0.120278	0.00637116	0.0138566	0.645666	-0.747975	0.136522	4.28E-08	-0.0085179	0.0185906	0.6468218	0.1313792	5	0.90069533
ENSG00000115825	2	PRKD3	37477645	rs6544065	2	37497417	T	C	0.688867	0.00397782	0.00870813	0.647819	-0.375989	0.0573376	5.47E-11	-0.0105796	0.0232167	0.6486132	0.5001591	20	0.90069533
ENSG00000162882	2	HAAO	42994229	rs2374444	2	43018644	G	A	0.758449	0.00639986	0.00905463	0.479687	0.78498	0.107831	3.35E-13	0.0081529	0.0115891	0.481746	0.560149	20	0.84587273
ENSG00000138095	2	LRPPRC	44113647	rs13008602	2	44225457	G	A	0.765408	0.00399584	0.00935441	0.669262	-0.334147	0.0583117	1.00E-08	-0.0119583	0.0280726	0.670123	0.6551833	20	0.90650357
ENSG00000180398	2	MCFD2	47129009	rs7601491	2	47150626	G	A	0.181909	-0.0184441	0.0118415	0.119331	-0.503807	0.0765149	4.57E-11	0.0366095	0.0241527	0.1295828	0.76288	5	0.6915125
ENSG00000119888	2	EPCAM	47572297	rs112628241	2	47591769	G	C	0.0775348	-0.0021025	0.0134413	0.875704	1.16603	0.173653	1.88E-11	-0.0018031	0.0115305	0.8757365	0.8272108	5	0.97364622
ENSG00000068781	2	STON1-GTF2A1L	48757064	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.744448	0.11289	4.27E-11	-0.0037027	0.0112343	0.7417095	0.1597527	4	0.92405924
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	1.03033	0.102466	8.70E-24	-0.0026753	0.00811135	0.7415321	0.3872441	11	0.92405924
ENSG00000162994	2	CLHC1	55401927	rs17046778	2	55459373	G	T	0.159046	-0.0285992	0.014326	0.0458997	1.1204	0.14038	1.45E-15	-0.0255259	0.0131804	0.05278795	0.1503162	20	0.57562556
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.633867	0.0795141	1.56E-15	-0.0067403	0.0127946	0.5983255	0.04463024	20	0.87207394
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.714618	0.0712742	1.17E-23	0.0117199	0.0116642	0.3150054	0.3171525	20	0.77524895
ENSG00000225889	2	AC074289.1	64370373	rs1529102	2	64495627	A	G	0.499006	-0.0162205	0.00804935	0.0438915	-0.405926	0.0672681	1.60E-09	0.0399593	0.020906	0.05595642	0.02360723	6	0.57562556
ENSG00000217702	2	MGC10955	74361599	rs12619982	2	74356022	A	G	0.181909	-0.0040329	0.0108064	0.709005	1.26972	0.14733	6.80E-18	-0.0031762	0.00851883	0.709265	0.6842118	6	0.91378818
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.10357	0.0837335	1.15E-39	-0.0076885	0.00816977	0.3466608	0.4358418	18	0.79763646
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.970436	0.0919389	4.80E-26	-0.0087432	0.00930381	0.3473471	0.379416	15	0.79763646
ENSG00000115364	2	MRPL19	75873909	rs34645183	2	75897939	C	A	0.243539	-0.0032028	0.00869702	0.712681	-0.805537	0.0816977	6.21E-23	0.00397593	0.0108041	0.7128711	0.3774993	10	0.91469892
ENSG00000115523	2	GNLY	85912298	rs1437745	2	85928283	G	A	0.407555	0.00442742	0.00827085	0.592439	-0.755501	0.116984	1.06E-10	-0.0058602	0.010985	0.5937051	0.03098916	6	0.86872382
ENSG00000272564	2	RP11-548P2.2	86131402	rs1878899	2	86130719	G	A	0.591451	0.0148568	0.00817172	0.0690526	0.49725	0.0911337	4.86E-08	0.0298779	0.0173221	0.08455594	0.1046732	5	0.64593039
ENSG00000273080	2	RP11-301O19.1	86422713	rs6740287	2	86424326	C	T	0.476143	0.0155945	0.00806181	0.0530677	0.825476	0.116705	1.51E-12	0.0188915	0.0101249	0.06206229	0.5539449	20	0.57706239
ENSG00000231259	2	AC125232.1	87257800	rs10205992	2	87279109	T	C	0.516899	0.00100886	0.00829855	0.903239	-0.864742	0.111712	9.88E-15	-0.0011667	0.00959775	0.9032509	0.04577656	20	0.97364622
ENSG00000163586	2	FABP1	88422510	rs2970901	2	88428834	T	G	0.474155	0.0110355	0.00834403	0.185981	-0.822064	0.107361	1.90E-14	-0.0134241	0.0103004	0.1924845	0.4532153	7	0.70535632
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.11182	0.120865	3.62E-20	0.00347116	0.00781212	0.6568034	0.6081564	9	0.9046111
ENSG00000143429	2	AC027612.6	91805186	rs113484854	2	92034038	A	G	0.0964215	0.0187334	0.0191767	0.328626	-1.03343	0.172373	2.03E-09	-0.0181274	0.0188011	0.3349617	0.3197182	5	0.78725832
ENSG00000144026	2	ZNF514	95813075	rs3112989	2	95745120	A	G	0.577535	0.014932	0.00838392	0.0749083	0.527583	0.0966884	4.86E-08	0.0283027	0.0167163	0.09043281	0.1745079	3	0.64593039
ENSG00000212283	2	SNORD89	101889398	rs13017536	2	101892138	T	C	0.437376	0.00366428	0.00806873	0.649733	0.68273	0.114609	2.57E-09	0.0053671	0.0118526	0.6506787	0.680726	3	0.90069533
ENSG00000115604	2	IL18R1	102927989	rs12712135	2	102930948	G	A	0.498012	0.01259	0.00802994	0.116909	-0.664268	0.0894433	1.11E-13	-0.0189532	0.0123549	0.1250128	0.3124272	7	0.6858401
ENSG00000234177	2	AC068057.2	105363096	rs441792	2	105404221	G	A	0.501988	0.00746151	0.00807325	0.355369	-0.653795	0.0933133	2.44E-12	-0.0114126	0.0124553	0.3595155	0.3382102	6	0.80107257
ENSG00000119147	2	C2orf40	106679702	rs66989638	2	106689736	A	G	0.125249	0.0128267	0.010364	0.215856	-0.677455	0.110172	7.79E-10	-0.0189337	0.0156052	0.2250191	0.5848249	4	0.73294044
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.15181	0.133781	7.33E-18	0.00124874	0.00857131	0.8841676	0.2032821	11	0.97364622
ENSG00000169629	2	RGPD8	113127669	rs144220082	2	113130532	T	C	0.154076	0.00135191	0.0109654	0.901878	-1.19981	0.126511	2.45E-21	-0.0011268	0.00914005	0.9018867	0.7646598	20	0.97364622
ENSG00000125630	2	POLR1B	113299492	rs2241804	2	113300283	G	C	0.0755467	-0.0021081	0.0150939	0.888926	1.07512	0.171517	3.65E-10	-0.0019608	0.0140428	0.8889531	0.5616068	8	0.97364622
ENSG00000237753	2	AC079922.3	113399409	rs11123144	2	113403662	C	T	0.831014	-0.0142907	0.0119218	0.230641	-1.06317	0.12234	3.62E-18	0.0134416	0.0113196	0.2350463	0.8973176	18	0.74092023
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.949266	0.122562	9.54E-15	0.00927828	0.00869506	0.2859375	0.4791547	20	0.76654227
ENSG00000136682	2	CBWD2	114195268	rs10170810	2	114230378	G	T	0.161034	-0.0091267	0.00977367	0.350407	-0.588899	0.103467	1.26E-08	0.0154978	0.0168184	0.3567998	0.8384214	6	0.80107257
ENSG00000225398	2	RP11-395L14.5	114299514	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.933717	0.111155	4.46E-17	0.0129547	0.00970793	0.1820588	0.4125141	20	0.70535632

ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.867868	0.092066	4.24E-21	-0.0143016	0.0104212	0.1699522	0.4847491	20	0.70535632
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	1.03773	0.102009	2.62E-24	0.0116562	0.00869975	0.1802998	0.2667636	20	0.70535632
ENSG00000240356	2	RPL23AP7	114368079	rs144468477	2	114366384	T	A	0.345924	0.0147856	0.0091274	0.105251	0.851658	0.104116	2.84E-16	0.017361	0.0109253	0.1120484	0.2722762	20	0.67793701
ENSG00000228857	2	AC104653.1	114588626	rs62171761	2	114595287	A	G	0.631213	0.0103211	0.00842129	0.22035	0.670827	0.110885	1.45E-09	0.0153856	0.0128086	0.2296756	0.06674314	12	0.73951849
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.34579	0.118493	6.80E-30	-0.0082267	0.00679193	0.2258018	0.9835279	20	0.73294044
ENSG00000214100	2	AC079776.2	130680435	rs1882608	2	130695820	A	C	0.694831	-0.008326	0.00822806	0.311582	0.561141	0.0832724	1.60E-11	-0.0148377	0.0148275	0.3169775	0.08222635	8	0.77743769
ENSG00000225449	2	AC079776.7	130724165	rs1882608	2	130695820	A	C	0.694831	-0.008326	0.00822806	0.311582	0.756712	0.081572	1.75E-20	-0.0110029	0.0109379	0.314444	0.07748137	9	0.77524895
ENSG00000222014	2	RAB6C	130737235	rs1882608	2	130695820	A	C	0.694831	-0.008326	0.00822806	0.311582	0.790835	0.0919495	7.92E-18	-0.0105282	0.010476	0.3149082	0.06158398	7	0.77524895
ENSG00000173272	2	MZT2A	132222473	rs6714329	2	132234784	A	G	0.0924453	0.0255262	0.0172175	0.138187	-0.572264	0.0875964	6.45E-11	-0.0446056	0.0308517	0.1482304	0.7633768	11	0.69712322
ENSG00000152117	2	AC093838.4	132250386	rs12464324	2	132281246	G	C	0.219682	-0.0099893	0.00916897	0.275946	-0.941248	0.0987685	1.58E-21	0.0106129	0.00980474	0.2790651	0.9999963	20	0.76072457
ENSG00000236485	2	RP1-156L9.1	132741510	rs12995303	2	132789600	T	G	0.713718	0.0149562	0.00852754	0.0794511	0.62755	0.11261	2.51E-08	0.0238327	0.0142457	0.09433277	0.9396945	4	0.64784719
ENSG00000163046	2	ANKRD30BL	132905164	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-0.846501	0.114586	1.50E-13	0.0100555	0.0243421	0.6795397	0.998726	18	0.91222619
ENSG00000123610	2	TNFAIP6	152214106	rs3936325	2	152203035	C	T	0.332008	-0.0085828	0.00895854	0.338035	0.719308	0.107175	1.93E-11	-0.011932	0.0125806	0.3429054	0.6525692	13	0.79753067
ENSG00000196151	2	WDSUB1	160092304	rs12692543	2	160078959	T	C	0.352883	0.0106675	0.00817491	0.191927	-0.646009	0.0979011	4.15E-11	-0.0165129	0.0128996	0.2005042	0.7635196	11	0.70535632
ENSG00000115221	2	ITGB6	160956177	rs3772070	2	161133471	C	T	0.738569	0.0244303	0.0100047	0.0146113	-1.11457	0.132878	4.95E-17	-0.021919	0.00934892	0.01904994	0.4913646	19	0.4723718
ENSG00000115935	2	WIPF1	175424300	rs4972698	2	175454641	T	C	0.529821	0.0151125	0.00815403	0.0638278	-0.306593	0.0443449	4.72E-12	-0.0492917	0.0275346	0.0734262	0.7013558	7	0.60817149
ENSG00000115252	2	PDE1A	183004763	rs7607891	2	183427391	A	G	0.758449	0.0119926	0.0113948	0.292588	-0.838993	0.0905682	1.98E-20	-0.014294	0.0136689	0.2956833	0.8826712	20	0.76954774
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.06691	0.101808	1.07E-25	0.0108242	0.00775641	0.1628618	0.1371059	20	0.70535632
ENSG00000259915	2	RP11-410E4.1	187219299	rs1375321	2	187231363	A	G	0.697813	-0.0099454	0.00827576	0.229458	-0.706478	0.108803	8.41E-11	0.0140775	0.0119131	0.23733	0.5585886	15	0.74326637
ENSG00000138381	2	ASNSD1	190526111	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	0.657625	0.0992959	3.52E-11	0.0308414	0.0141604	0.02940555	0.2178705	5	0.51935391
ENSG00000128699	2	ORMDL1	190635049	rs10207346	2	190577964	A	G	0.729622	0.0192369	0.00877443	0.0283518	-0.712473	0.0973757	2.54E-13	-0.0270002	0.0128564	0.03571747	0.0134744	14	0.55196399
ENSG00000198130	2	HIBCH	191054461	rs2136569	2	191167414	C	T	0.597416	-0.0098979	0.00827122	0.231439	0.6629	0.0908439	2.94E-13	-0.0149311	0.012644	0.2376472	0.1902193	7	0.74326637
ENSG00000226124	2	FTCDNL1	200625267	rs11687699	2	200626678	A	G	0.66004	0.00644104	0.00947927	0.496829	-0.844324	0.0837622	6.77E-24	-0.0076286	0.0112525	0.4978044	0.185932	16	0.84798393
ENSG00000240344	2	PPIL3	201735630	rs7559150	2	201754063	C	T	0.263419	0.00811619	0.00936911	0.386341	-0.9639	0.106795	1.79E-19	-0.0084202	0.00976467	0.3885178	0.5127882	18	0.81431231
ENSG00000234842	2	AC007163.8	202414354	rs4675201	2	202441796	T	C	0.507952	-0.0065267	0.00805315	0.417683	-0.653305	0.116147	1.86E-08	0.0099902	0.0124541	0.4224586	0.6529207	4	0.84002116
ENSG00000229150	2	CRYGEP	208972957	rs6709879	2	208985126	T	C	0.395626	0.0153104	0.00830745	0.0653326	0.784924	0.0983331	1.44E-15	0.0195056	0.0108622	0.07253725	0.8608403	20	0.60498081
ENSG00000182187	2	CRYGB	209007297	rs796287	2	209007559	G	T	0.732604	0.00584724	0.00891265	0.511784	-0.720683	0.127998	1.80E-08	-0.0081135	0.0124506	0.5146258	0.2899847	7	0.84798393
ENSG00000260804	2	RP11-566E18.3	217081768	rs116325904	2	217011871	G	A	0.0516899	-0.00192	0.018745	0.918416	0.995703	0.147671	1.55E-11	-0.0019283	0.0188281	0.9184252	0.9707556	7	0.97786229
ENSG00000261338	2	RP11-378A13.1	219120042	rs10932766	2	219122090	A	G	0.587475	-0.0027277	0.00858539	0.750706	0.860364	0.0932738	2.86E-20	-0.0031703	0.00998471	0.750849	0.5560903	12	0.92774655
ENSG00000182698	2	RESP18	220192131	rs2385405	2	220197321	T	C	0.276342	0.0103078	0.0107941	0.339606	-0.665603	0.097077	7.06E-12	-0.0154864	0.0163736	0.3442414	0.2400956	6	0.79763646
ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.750923	0.119597	3.41E-10	0.00940958	0.0118633	0.4276795	0.8167804	5	0.84203784
ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-1.54201	0.238043	9.30E-11	-0.0005629	0.0110806	0.959485	0.8842011	4	0.98929041
ENSG00000135899	2	SP110	231032009	rs2114585	2	231039341	T	C	0.107356	0.00463291	0.0139348	0.739535	0.566778	0.0963554	4.05E-09	0.00817412	0.0246252	0.739934	0.9195741	3	0.92405924
ENSG00000173699	2	SPATA3	231860836	rs10192422	2	231878711	A	G	0.341948	0.0123517	0.00825426	0.134549	-0.750353	0.111993	2.08E-11	-0.0164612	0.0112715	0.1441742	0.4271623	4	0.69712322
ENSG00000182600	2	C2orf82	233721980	rs812383	2	233737132	A	C	0.626243	-0.014024	0.00882846	0.112174	0.616222	0.0932858	3.96E-11	-0.022758	0.0147352	0.1224744	0.1734309	6	0.6858401
ENSG00000144485	2	HES6	239146908	rs1374385	2	239149645	G	C	0.333996	-0.0099966	0.00865505	0.248088	0.556634	0.0921284	1.52E-09	-0.0179591	0.0158305	0.2566006	0.8111844	6	0.7510678
ENSG00000168385	2	2-Sep	242254515	rs115271170	2	242347614	T	C	0.0974155	0.00844605	0.0150171	0.573824	0.625564	0.0871829	7.21E-13	0.0135015	0.0240793	0.574996	0.2735589	16	0.86027764
ENSG00000180902	2	D2HGDH	242673994	rs6756901	2	242707101	G	A	0.512922	0.00790634	0.00811217	0.329745	-0.581897	0.0858548	1.22E-11	-0.0135872	0.0140843	0.3346932	0.8270631	15	0.78725832
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.18681	0.108485	7.43E-28	0.0148226	0.0078506	0.05901475	0.6416322	20	0.57562556
ENSG00000261186	2	RP11-341N2.1	243029505	rs12616338	2	243035759	A	C	0.457256	0.0124272	0.00879536	0.157679	0.860117	0.116364	1.45E-13	0.0144483	0.0104109	0.165198	0.1481919	15	0.70535632
ENSG00000144455	3	SUMF1	3742498	rs6762654	3	4405167	C	T	0.589463	-0.0040811	0.00814136	0.616172	-0.524847	0.0913409	9.14E-09	0.00777583	0.0155708	0.6175078	0.262758	5	0.88605361
ENSG00000144559	3	TAMM41	11831916	rs7627219	3	11830536	C	T	0.487078	-0.0094582	0.00816514	0.246718	-0.636824	0.0993011	1.43E-10	0.0148521	0.0130291	0.2543226	0.7492613	12	0.74863099
ENSG00000154764	3	WNT7A	13857755	rs11128657	3	13833084	T	C	0.579523	0.00922396	0.00814562	0.257473	-0.458582	0.0840176	4.81E-08	-0.0201141	0.0181409	0.2675284	0.6569952	3	0.7510678
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.631516	0.0977359	1.04E-10	0.00775326	0.01304	0.5521278	0.6433611	3	0.85420721
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	1.04002	0.0905721	1.61E-30	-0.0006121	0.00801249	0.9391077	0.00059371	20	0.98332027
ENSG00000136059	3	VILL	38029550	rs9857730	3	38051941	C	T	0.176938	0.00914037	0.0111115	0.410731	-0.69326	0.0911749	2.88E-14	-0.0131846	0.0161214	0.4134529	0.8714187	5	0.83314922
ENSG00000157036	3	EXOG	38537618	rs13059256	3	38504315	C	T	0.611332	-0.0100669	0.0081236	0.215264	-0.519035	0.0870134	2.45E-09	0.0193954	0.0159855	0.2250112	0.9679005	8	0.73294044
ENSG00000168038	3	ULK4	41288090	rs704964	3	42053899	A	G	0.82505	-0.0110836	0.0104239	0.287654	-0.976586	0.133078	2.16E-13	0.0113493	0.0107853	0.2926625	0.2749405	6	0.76954774
ENSG00000010282	3	HHATL	42734155	rs11713172	3	42754505	T	C	0.267396	-0.0113955	0.00856409	0.183315	-0.494429	0.0886681	2.46E-08	0.0230478	0.0178075	0.1955704	0.6001417	9	0.70535632
ENSG00000173811	3	CCDC13-AS1	42774067	rs34510173	3	42791806	C	T	0.185885	-0.0015608	0.011682	0.893712	-0.651332	0.1012	1.23E-10	0.00239637	0.0179394	0.8937339	0.3109351	4	0.97364622
ENSG00000181061	3	HIGD1A	42798669	rs112042968	3	42860158	G	A	0.217694	0.0273547	0.00915005	0.0027937	-0.4833	0.0792206	1.06E-09	-0.0565998	0.0210834	0.00726247	0.7995677	4	0.2914088
ENSG00000144792	3	ZNF660	44619715	rs4682985	3	44648243	A	C	0.900596	0.0013192	0.0142605	0.926295	-0.995915	0.154698	1.21E-10	-0.0013246	0.0143205	0.9263026	0.5022136	12	0.9787673
ENSG00000241186	3	TDGF1	46616045	rs9682509	3	46596264	C	G	0.277336	-0.0226498	0.00871985	0.00939031	0.889166	0.12254	3.98E-13	-0.0254731	0.0104162	0.01446394	0.1692047	7	0.42368761
ENSG00000164048	3	ZNF589	48282590	rs6796490	3	48237104	G	T	0.33002	-0.0245223	0.00961301	0.0107429	0.727015	0.105585	5.76E-12	-0.0337301	0.0141008	0.01675381	0.3417228	7	0.44055108
ENSG00000232112	3	TMA7	48481667	rs13069724	3	48478039	C	T	0.537773	-0.0012973	0.00821852	0.874579	0.320023	0.0586566	4.87E-08	-0.0040536	0.0256918	0.8746312	0.1655646	5	0.97364622
ENSG00000213672	3	NCKIPSD	48701364	rs12493578	3	48730116	C	T	0.653082	-0.0278811	0.0084969	0.00103319	0.454355	0.0652029	3.21E-12	-0.0613641	0.0206707	0.00299104	0.03423077	19	0.19013442
ENSG00000068745	3	IP6K2	48725436	rs72929172	3	48731961	G	A	0.0646123	0.034796	0.0167667	0.0379586	0.72607	0.128084	1.44E-08	0.0479238	0.0245913	0.0513179	0.7015323	3	0.57562556
ENSG00000173540	3	GMPPB	49754277	rs62260723	3	49872124	C	T	0.166004	0.022935	0.0130839	0.0796178	0.729764	0.101645	6.99E-13	0.031428	0.0184556	0.0885874	0.00022597	17	0.64593039
ENSG00000004534	3	RBM6	49977440	rs9843653	3	49920571	C	T	0.492048	0.00466631	0.00824943	0.57163	-0.402351	0.0650149	6.07E-10	-0.0115976	0.0205885	0.5732277	0.1904776	17	0.86027764
ENSG00000055955	3	ITIH4	52846991	rs2071041	3	52864693	G	T	0.259443	-0.0387791	0.00922361	2.62E-05	0.644307	0.105802	1.13E-09	-0.0601873	0.0173959	0.00054045	0.06776128	7	0.16869795
ENSG00000242142	3	SERBP1P3	53098299	rs34530577	3	53103796	T	G	0.596421	0.00354069	0.00815543	0.664179	0.827724	0.0967605	1.19E-17	0.00427762	0.00986552	0.6645839	0.00019488	17	0.90650357
ENSG00000113812	3	ACTR8	53901093	rs4687758	3	53921894	A	G	0.326044	0.00346072	0.00883308	0.695213	-0.507308	0.0855854	3.08E-09	-0.0068217	0.0174497	0.6958432	0.07609759	12	0.91378818
ENSG00000180376	3	CCDC66	56591189	rs112312748	3	56578372	A	G	0.534791	0.00112007	0.00807401	0.889667	0.416733	0.0747091	2.43E-08	0.00268774	0.0193805	0.8897011	0.5929622	6	0.97364622
ENSG00000144741	3	SLC25A26	66119285	rs141088312	3	66288450	C	T	0.345924	-0.0133966	0.00807627	0.0971628	-0.702677	0.0832131	3.06E-17	0.0190651	0.0117132	0.1035981	0.839774	20	0.66181552
ENSG00000241316	3	RP11-81N13.1	67705121	rs2198015	3	67704102	A	G	0.357853	0.0113675	0.00820263	0.165798	-0.568441	0.103448	3.91E-08	-0.0199977	0.0148819	0.1790261	0.6028394	4	0.70535632
ENSG00000144746	3	ARL6IP5	69134095	rs7039	3	69154343	G	C	0.510934	0.00875843	0.00808718	0.278808	-0.380426	0.0522641	3.37E-13	-0.0230227	0.0214922	0.2840751	0.1238543	11	0.76422371
ENSG00000163412	3	EIF4E3	71724567	rs12487980	3	71760041	A	C	0.639165	0.00583999	0.00903689	0.518124	0.593988	0.0797088	9.20E-14	0.00983183	0.015271	0.5196905	0.7795747	5	0.84798393
ENSG00000244026	3	FAM86DP	75470703	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.27396	0.229459	2.82E-08	0.0134828	0.01221	0.2694896	0.8871601	4	0.75444524
ENSG00000243422	3	RP11-413E6.1	75673837	rs6783069	3	75842827	A	G	0.157058	0.0121072	0.00996866	0.224546	-0.714113	0.123911	8.26E-09	-0.0169542	0.0142661	0.2346669	0.5617501	4	0.74092023
ENSG00000227124	3	ZNF717	75758794	rs4974345	3	75862368	G	A	0.418489	-0.0118197	0.0081065	0.144826	-0.728838	0.116299	3.68E-10	0.0162172	0.0114196	0.1555718	0.7457331	12	0.70289247
ENSG00000239519	3	CADM2-AS1	86041333	rs62263325	3	86122523	G	A	0.416501	0.00126664	0.00826507	0.8782	0.728875	0.12322	3.31E-09	0.0017378	0.0113433	0.8782399	0.6322202	11	0.97364622
ENSG00000178750	3	STX19	93733213	rs62266151	3	93710472	T	C	0.232604	0.0054072	0.00893325	0.544987	0.786701	0.143141	3.88E-08	0.00687326	0.011424	0.5474062	0.8623026	7	0.85270408
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.895486	0.106844	5.24E-17	0.00511501	0.00905601	0.5721964	0.5619935	18	0.86027764
ENSG00000244119	3	PDCL3P4	101431316	rs36060163	3	101360963	T	C	0.328032	-0.0061527	0.00837985	0.462808	0.576403	0.0921628	4.00E-10	-0.0106744	0.014638	0.4658657	0.4195332	3	0.84448908
ENSG00000240057	3	RP11-572M11.4	112738379	rs2245698	3	112828278	T	G	0.389662	0.00853135	0.00808166	0.291131	-0.826372	0.108838	3.13E-14	-0.0103239	0.00987376	0.2957524	0.9431846	6	0.76954774
ENSG00000243795	3	RP11-572M11.3	112861197	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	0.560183	0.10159	3.50E-08	0.0147541	0.0146718	0.3146047	0.9435008	3	0.77524895
ENSG00000173226	3	IQCB1	121488610	rs7649092	3	121561950	A	C	0.275348	-0.002311	0.00894699	0.796174	0.806285	0.111495	4.77E-13	-0.0028663	0.0111036	0.7963013	0.9416307	14	0.94610551
ENSG00000241278	3	ENPP7P4	125567066	rs2471888	3	125483369	C	T	0.708748	0.0201838	0.00980861	0.0396132	-0.815529	0.142181	9.70E-09	-0.0247493	0.0127779	0.05275872	0.04430975	11	0.57562556
ENSG00000171084	3	FAM86JP	125635463	rs4047922	3	125636595	G	A	0.168986	-0.0179363	0.0141974	0.206462	0.828416	0.119808	4.69E-12	-0.0216513	0.0174217	0.2139498	0.1701117	17	0.71376031
ENSG00000189366	3	ALG1L	125648118	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.936264	0.115614	5.58E-16	-0.0183957	0.00969028	0.0576484	0.3050351	12	0.57562556
ENSG00000241439	3	RP11-666A20.3	125677399	rs77622614	3	125677259	A	G	0.380716	0.0106086	0.00816133	0.193649	-0.646355	0.114513	1.66E-08	-0.016413	0.0129572	0.2052605	0.3556839	6	0.70896241
ENSG00000114547	3	ROPN1B	125687987	rs6790101	3	125706012	A	G	0.397614	0.0140959	0.00821756	0.086282	-0.620855	0.0972115	1.70E-10	-0.022704	0.013705	0.09759479	0.7428006	16	0.64933886
ENSG00000159650	3	UROC1	126200124	rs6794670	3	126208908	G	C	0.22167	0.00025389	0.00968813	0.979093	0.958225	0.136889	2.56E-12	0.00026496	0.0101106	0.9790929	0.4021173	11	0.99158469
ENSG00000180767	3	CHST13	126243126	rs1388096	3	126242964	C	G	0.422465	-0.0062332	0.00807428	0.440127	-0.748478	0.126516	3.30E-09	0.00832778	0.0108791	0.4439812	0.9637455	10	0.84448908
ENSG00000251474	3	RPL32P3	129101765	rs60960425	3	129112454	G	A	0.172962	0.0184002	0.0148736	0.216049	0.642013	0.106693	1.77E-09	0.0286602	0.0236517	0.2256038	0.8445285	7	0.73294044
ENSG00000228252	3	COL6A4P2	129931666	rs12233436	3	129845766	G	A	0.480119	-0.0108075	0.0080955	0.181877	-1.03368	0.112531	4.09E-20	0.0104554	0.00791401	0.1864608	0.2270557	20	0.70535632
ENSG00000113971	3	NPHP3	132276986	rs66564593	3	132436967	G	A	0.21173	-0.001187	0.00997949	0.905317	-0.710242	0.0816957	3.51E-18	0.00167132	0.0140521	0.9053254	0.9847998	8	0.97364622
ENSG00000260633	3	RP11-375I20.6	134066130	rs6439478	3	134078566	C	G	0.614314	-0.0049026	0.00830077	0.554774	-0.751035	0.116112	9.92E-11	0.00652781	0.0110984	0.5564154	0.4732591	6	0.85420721
ENSG00000129055	3	ANAPC13	134196548	rs6765505	3	134208132	G	A	0.689861	5.95E-05	0.00901928	0.994737	0.281932	0.0508154	2.89E-08	0.00021104	0.031991	0.9947366	0.2094956	4	0.99778259
ENSG00000261758	3	RP11-102M11.2	136471472	rs1278493	3	135814009	A	G	0.530815	0.0167578	0.00810501	0.0386794	-0.571387	0.0981786	5.89E-09	-0.0293283	0.0150534	0.05138038	0.8046993	9	0.57562556
ENSG00000273486	3	RP11-731C17.2	136556180	rs7627443	3	136584220	C	G	0.659046	0.00288714	0.00873064	0.740879	0.533298	0.0746852	9.29E-13	0.00541375	0.0163886	0.7411457	0.4537094	9	0.92405924
ENSG00000071794	3	HLTF	148747914	rs13068491	3	148812260	A	C	0.377734	0.00072378	0.00817345	0.929437	0.385143	0.0647849	2.77E-09	0.00187926	0.0212242	0.929445	0.06164359	4	0.9787673
ENSG00000114744	3	COMMD2	149456257	rs7610425	3	149485293	C	T	0.390656	0.0164972	0.00829514	0.0467251	0.396745	0.0664222	2.33E-09	0.0415814	0.0220365	0.05916915	0.1572476	7	0.57562556
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	0.569781	0.102499	2.72E-08	-0.0236477	0.0197602	0.2314114	0.6755406	6	0.73974737
ENSG00000243069	3	ARHGEF26-AS1	153742190	rs13095258	3	153731020	T	C	0.240557	-0.0137294	0.00900093	0.127176	0.408714	0.0705058	6.76E-09	-0.0335917	0.0227722	0.1401805	0.902713	4	0.69712322
ENSG00000168827	3	GFM1	158362067	rs6779780	3	158377491	G	A	0.384692	0.0140789	0.00874168	0.107278	-0.59524	0.0769309	1.02E-14	-0.0236525	0.0150008	0.1148525	0.04747758	6	0.68169746
ENSG00000241231	3	RP11-275H4.1	181138846	rs9820600	3	181197074	A	C	0.694831	0.024619	0.00870788	0.00469559	0.843972	0.0905066	1.11E-20	0.0291704	0.0107815	0.0068183	0.1516327	17	0.2914088
ENSG00000233885	3	YEATS2-AS1	183524245	rs263014	3	183500702	C	G	0.470179	0.00407045	0.00840563	0.628207	0.658395	0.0728243	1.55E-19	0.00618238	0.0127852	0.6286984	0.6025209	20	0.88945142
ENSG00000145198	3	VWA5B2	183948217	rs706584	3	183960252	C	A	0.225646	0.0054935	0.0102288	0.591224	-0.565007	0.0900391	3.49E-10	-0.0097229	0.01817	0.5925767	0.4254934	7	0.86872382
ENSG00000230102	3	RP11-407B7.1	193723226	rs4687494	3	193728370	G	T	0.520875	0.0040165	0.00817629	0.623258	0.671507	0.106557	2.94E-10	0.00598132	0.012213	0.6243096	0.3933672	6	0.88945142
ENSG00000231770	3	TMEM44-AS1	194304740	rs56852992	3	194307659	T	C	0.115308	0.00844927	0.0135198	0.531999	0.904795	0.157316	8.85E-09	0.00933833	0.0150303	0.5344035	0.4142669	6	0.85022852
ENSG00000041802	3	LSG1	194361517	rs3821403	3	194369580	A	C	0.163022	0.00854817	0.0109511	0.435053	0.617285	0.110567	2.37E-08	0.013848	0.0179133	0.4394887	0.1145	3	0.84448908
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.440551	0.0763115	7.78E-09	0.0349167	0.019807	0.07792613	0.8779078	3	0.62836231
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.775333	0.131527	3.75E-09	0.0117225	0.010647	0.2708917	0.4732757	4	0.75485135
ENSG00000229178	3	AC069513.4	195382436	rs56401727	3	195636800	G	C	0.17495	-0.0045788	0.0118013	0.69802	-0.969557	0.145139	2.39E-11	0.0047226	0.0121924	0.6985038	0.3842511	20	0.91378818
ENSG00000231464	3	AC024937.4	195723609	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.856586	0.123763	4.48E-12	0.011157	0.00958657	0.244498	0.7424293	14	0.74642061
ENSG00000163959	3	SLC51A	195938358	rs1044988	3	195961685	G	A	0.213718	0.0197574	0.0100063	0.0483259	-0.728257	0.121831	2.26E-09	-0.0271297	0.0144702	0.06081179	0.5708531	15	0.57706239
ENSG00000163964	3	PIGX	196366646	rs4916543	3	196462949	T	C	0.228628	-0.0080248	0.0109728	0.464575	0.653275	0.091564	9.71E-13	-0.0122839	0.0168846	0.4669075	0.1035692	3	0.84448908
ENSG00000214135	3	AC024560.3	197305084	rs73891642	3	197346558	C	A	0.0785288	0.0217604	0.0203539	0.285024	0.645663	0.114686	1.80E-08	0.0337024	0.0320874	0.2935656	0.5398425	14	0.76954774
ENSG00000250312	4	ZNF718	124386	rs7678326	4	166811	T	A	0.455268	-0.0095533	0.00812549	0.239707	0.709566	0.0934157	3.06E-14	-0.0134636	0.0115877	0.2452827	0.58259	20	0.74642061
ENSG00000242686	4	RP11-1191J2.2	646639	rs10007206	4	626497	G	T	0.116302	0.00549794	0.0126105	0.662851	-0.679048	0.110078	6.88E-10	-0.0080965	0.0186172	0.6636377	0.4127484	20	0.90650357
ENSG00000163945	4	UVSSA	1341054	rs11934823	4	1394031	T	C	0.0984095	0.0097558	0.0135131	0.470326	-0.745719	0.134267	2.79E-08	-0.0130824	0.0182734	0.4740357	0.3713251	8	0.84587273
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.59688	0.198463	8.54E-16	-0.0107486	0.0152332	0.4804332	0.6715811	19	0.84587273
ENSG00000013288	4	MAN2B2	6576902	rs7659958	4	6607830	C	T	0.183897	0.0109087	0.0111472	0.327777	-0.705679	0.120461	4.68E-09	-0.0154584	0.0160153	0.3344299	0.6931662	3	0.78725832
ENSG00000205959	4	RP11-689P11.2	8483997	rs4696836	4	8514233	C	T	0.838966	-0.0181922	0.0114374	0.1117	0.673728	0.111364	1.45E-09	-0.0270023	0.0175532	0.123973	0.1076263	12	0.6858401
ENSG00000249506	4	ZEB2P1	16362309	rs9994101	4	16409795	T	C	0.266402	-0.0084303	0.00898987	0.348371	0.96424	0.136278	1.49E-12	-0.0087429	0.0094048	0.3525657	0.9686872	6	0.80107257
ENSG00000163138	4	PACRGL	20697905	rs11726872	4	20749361	C	G	0.082505	-0.0022463	0.0147716	0.879132	-0.956806	0.168772	1.43E-08	0.00234773	0.015444	0.8791747	0.3242235	4	0.97364622
ENSG00000053900	4	ANAPC4	25378835	rs1533133	4	25384305	C	T	0.550696	0.0114652	0.00830074	0.167211	-0.351909	0.0627163	2.01E-08	-0.03258	0.0242919	0.1798589	0.2141734	7	0.70535632
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.875109	0.108247	6.25E-16	0.0025709	0.00934945	0.7833323	0.3535565	9	0.94550964
ENSG00000251129	4	RP11-734I18.1	31999019	rs6553983	4	32005439	T	C	0.798211	4.45E-05	0.00915677	0.996121	-1.04618	0.125846	9.32E-17	-4.26E-05	0.00875258	0.996121	0.8030694	9	0.99778259
ENSG00000231160	4	RP11-617D20.1	38614322	rs2126526	4	38618689	G	A	0.562624	-0.0111133	0.00836918	0.184218	-0.485496	0.0853706	1.29E-08	0.0228906	0.0177021	0.1959761	0.6094401	3	0.70535632
ENSG00000249685	4	RP11-360F5.3	39135533	rs35116118	4	39128913	T	C	0.576541	0.00635196	0.00818408	0.437668	0.650641	0.110781	4.27E-09	0.00976262	0.0126878	0.4416282	0.7565431	6	0.84448908
ENSG00000134962	4	KLB	39408473	rs2687958	4	39459724	C	T	0.67992	0.00023959	0.00844861	0.977376	0.736176	0.110126	2.31E-11	0.00032546	0.0114764	0.977376	0.3432363	6	0.99158469
ENSG00000163682	4	RPL9	39455744	rs2687958	4	39459724	C	T	0.67992	0.00023959	0.00844861	0.977376	-0.574371	0.0608149	3.57E-21	-0.0004171	0.0147094	0.9773759	0.727094	19	0.99158469
ENSG00000014824	4	SLC30A9	41992489	rs13146152	4	42044113	A	G	0.789264	0.00449776	0.0103105	0.66267	-0.444015	0.0711209	4.29E-10	-0.0101297	0.0232777	0.663439	0.8843948	20	0.90650357
ENSG00000251350	4	RP11-328N19.1	44018878	rs7657060	4	44038516	T	G	0.178926	2.52E-05	0.010095	0.998009	0.812394	0.128554	2.62E-10	3.10E-05	0.0124262	0.9980091	0.3944521	7	0.99884077
ENSG00000151806	4	GUF1	44680444	rs12646633	4	44644687	G	A	0.241551	-0.0208187	0.0105703	0.0488911	-0.67246	0.101089	2.89E-11	0.030959	0.0163933	0.05895739	0.5342447	8	0.57562556
ENSG00000272626	4	RP11-468N14.13	69766726	rs12505972	4	69754963	C	A	0.266402	0.00508427	0.00858009	0.553471	0.768957	0.134029	9.62E-09	0.0066119	0.0112174	0.5555725	0.508151	13	0.85420721
ENSG00000138744	4	NAAA	76831809	rs10856875	4	76987167	C	T	0.507952	0.00496446	0.00806949	0.538414	-0.566381	0.101396	2.33E-08	-0.0087652	0.0143336	0.5408581	0.6389421	5	0.85267164
ENSG00000138750	4	NUP54	77035812	rs6843361	4	77030342	G	C	0.132207	-0.0071988	0.0118758	0.544396	0.572116	0.0963682	2.91E-09	-0.0125828	0.0208656	0.5464814	0.3016604	9	0.85270408
ENSG00000189157	4	FAM47E	77135193	rs4859653	4	77188613	C	T	0.642147	-0.0061837	0.00847984	0.465866	-0.528376	0.0808074	6.21E-11	0.0117032	0.0161484	0.468618	0.6465491	10	0.84448908
ENSG00000118804	4	FAM47E-STBD1	77172886	rs28636389	4	77175695	A	G	0.142147	0.0238622	0.0110748	0.0311903	-0.660095	0.112524	4.46E-09	-0.0361496	0.0178735	0.0431216	0.6650392	3	0.55549964
ENSG00000251022	4	THAP9-AS1	83814162	rs897944	4	83941830	C	A	0.243539	-0.0207777	0.0099317	0.0364334	-0.515511	0.0684718	5.12E-14	0.0403051	0.0199957	0.04383281	0.6443292	10	0.55549964
ENSG00000180769	4	WDFY3-AS2	85887538	rs6847067	4	85732169	A	C	0.395626	-0.0124558	0.00872377	0.15335	0.372438	0.0579075	1.26E-10	-0.033444	0.0239937	0.163358	0.416245	9	0.70535632
ENSG00000170509	4	HSD17B13	88224941	rs10433879	4	88231140	C	G	0.251491	-0.0050529	0.00972387	0.603319	1.03022	0.149078	4.83E-12	-0.0049046	0.00946528	0.6043384	0.8693642	7	0.87783106
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	0.878263	0.0997992	1.36E-18	-0.0154889	0.0094848	0.1024647	0.2120935	7	0.66161347
ENSG00000138722	4	MMRN1	90800683	rs76707913	4	90835226	C	T	0.0377734	0.00933161	0.0240819	0.69839	2.07348	0.296435	2.66E-12	0.00450046	0.0116321	0.6988291	0.9957826	20	0.91378818
ENSG00000109270	4	LAMTOR3	100799493	rs10516458	4	100848810	G	A	0.258449	0.00743512	0.00938105	0.42803	-0.404044	0.0738835	4.53E-08	-0.0184018	0.0234605	0.4328212	0.4741459	9	0.84448908
ENSG00000245958	4	RP11-33B1.1	120375946	rs9997631	4	120469995	G	C	0.287276	-0.0121546	0.0092752	0.190046	-0.669586	0.0913715	2.33E-13	0.0181524	0.0140719	0.1970583	0.5386777	10	0.70535632
ENSG00000164111	4	ANXA5	122589110	rs13109053	4	122599447	A	G	0.312127	0.00512921	0.00900707	0.56904	-0.453178	0.0749999	1.52E-09	-0.0113183	0.0199634	0.5707464	0.9651001	4	0.86027764
ENSG00000151470	4	C4orf33	130014472	rs530686	4	130039884	G	A	0.590457	-0.0057054	0.00826942	0.490232	-0.50445	0.0833289	1.42E-09	0.0113101	0.0164991	0.4930272	0.3068595	4	0.84798393
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.2956	0.144595	3.24E-19	-0.0072675	0.0110077	0.5091101	0.4041808	7	0.84798393
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.09109	0.164451	3.25E-11	-0.0086298	0.0131001	0.5100548	0.7280036	4	0.84798393
ENSG00000251600	4	RP11-673E1.1	144833484	rs3852081	4	144757666	A	C	0.656064	-4.21E-06	0.00857227	0.999608	1.07308	0.119614	2.93E-19	-3.92E-06	0.00798847	0.9996084	0.5814458	6	0.9996084
ENSG00000250538	4	RP11-92A5.2	156127681	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.75181	0.208662	4.64E-17	0.014022	0.0084728	0.09793716	0.210978	8	0.64933886
ENSG00000185149	4	NPY2R	156129781	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.87552	0.213672	1.67E-18	0.0130971	0.00790082	0.09738144	0.2460388	8	0.64933886
ENSG00000248429	4	RP11-597D13.9	159091904	rs4691461	4	159059445	C	T	0.849901	-0.0142436	0.0111079	0.19974	0.712882	0.11876	1.94E-09	-0.0199803	0.0159332	0.2098414	0.8414208	3	0.70896241
ENSG00000171503	4	ETFDH	159593277	rs55822924	4	159444604	G	C	0.128231	-0.015206	0.0146408	0.29899	-0.61802	0.109641	1.73E-08	0.0246044	0.0240886	0.3070599	0.4723213	3	0.77119938
ENSG00000273449	4	RP11-218F10.3	164450923	rs9308062	4	164438200	C	T	0.580517	-0.0079675	0.00830519	0.337388	-0.748207	0.122969	1.17E-09	0.0106488	0.0112372	0.3433167	0.3334978	10	0.79753067
ENSG00000154447	4	SH3RF1	170015407	rs72710307	4	170266741	C	T	0.112326	-0.0063378	0.011507	0.581783	-0.81002	0.142171	1.22E-08	0.0078243	0.014272	0.583537	0.9198013	3	0.86329121
ENSG00000109586	4	GALNT7	174089904	rs6828429	4	174060895	C	A	0.972167	0.00848638	0.0187084	0.650106	1.25386	0.209446	2.14E-09	0.0067682	0.0149634	0.6510408	0.9717645	8	0.90069533
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.538189	0.064859	1.06E-16	0.00034727	0.0152184	0.9817945	0.5853036	9	0.99253804

ENSG00000164122	4	ASB5	177134824	rs4566604	4	177155788	A	C	0.472167	-0.0019677	0.00806811	0.807319	0.795238	0.102266	7.48E-15	-0.0024744	0.0101505	0.8074119	0.8760823	8	0.95126474
ENSG00000251504	4	RP11-162G9.1	178650792	rs62339409	4	179120888	C	T	0.310139	0.00631339	0.0085319	0.459315	0.925998	0.136236	1.07E-11	0.00681793	0.00926818	0.461957	0.4358853	15	0.84448908
ENSG00000109775	4	UFSP2	186320694	rs4862529	4	186364830	A	G	0.707753	-0.0140286	0.00963126	0.145235	0.931174	0.102238	8.40E-20	-0.0150655	0.0104746	0.1503509	0.4683665	9	0.69712322
ENSG00000145476	4	CYP4V2	187112674	rs2292426	4	187120753	G	A	0.673956	-0.0077475	0.00868372	0.37229	-0.512018	0.0830631	7.08E-10	0.0151314	0.0171365	0.3772414	0.06910221	3	0.81431231
ENSG00000249378	4	LINC01060	189321890	rs435948	4	189378853	G	C	0.181909	0.00132074	0.00900641	0.883413	1.19487	0.095419	5.63E-36	0.00110534	0.00753808	0.8834206	0.5582368	14	0.97364622
ENSG00000245685	4	AF146191.4	190701490	rs1574142	4	190815208	A	G	0.584493	0.0111008	0.00848608	0.190832	-0.736624	0.128192	9.12E-09	-0.0150698	0.011815	0.2021372	0.4083256	18	0.70535632
ENSG00000180104	5	EXOC3	443273	rs72717412	5	429381	T	C	0.399602	0.0131203	0.00828273	0.113181	-0.824922	0.101898	5.70E-16	-0.0159049	0.010231	0.1200473	0.5095115	20	0.6833024
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	1.03709	0.111278	1.17E-20	0.00322947	0.00857708	0.706528	0.1551267	19	0.91378818
ENSG00000066230	5	SLC9A3	473425	rs13170444	5	488941	T	A	0.489066	-0.0032877	0.00813544	0.686125	0.625702	0.0909865	6.12E-12	-0.0052544	0.0130245	0.6866367	0.508415	11	0.91359156
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.1671	0.108941	8.83E-27	0.00349407	0.00717565	0.626305	0.7779674	15	0.88945142
ENSG00000037474	5	NSUN2	6599352	rs3822433	5	6600864	C	T	0.657058	0.00099222	0.00810309	0.902543	-0.976899	0.0825875	2.78E-32	-0.0010157	0.00829515	0.9025485	0.6564649	20	0.97364622
ENSG00000039139	5	DNAH5	13690440	rs4702007	5	14006306	A	G	0.409543	-0.0094079	0.00805004	0.242534	-0.460941	0.0776138	2.87E-09	0.0204102	0.0177993	0.2515118	0.3533771	4	0.74642061
ENSG00000183666	5	GUSBP1	21341942	rs191085321	5	21408413	T	C	0.0188867	-0.114481	0.0387698	0.00314862	1.83945	0.225797	3.75E-16	-0.0622365	0.0224187	0.00550154	0.04162857	17	0.26429384
ENSG00000272130	5	RP11-360I2.1	21569864	rs75158803	5	21573069	G	A	0.140159	-0.0228409	0.0139964	0.102698	1.10709	0.166522	2.96E-11	-0.0206315	0.0130178	0.112997	0.2384554	8	0.67793701
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-0.8181	0.138356	3.36E-09	-0.0105668	0.0119652	0.3771672	0.3446233	4	0.81431231
ENSG00000242110	5	AMACR	33986283	rs10941112	5	34004707	T	C	0.503976	-0.0141563	0.00810468	0.0806938	0.719348	0.0848415	2.28E-17	-0.0196793	0.0115033	0.08712584	0.7007264	20	0.64593039
ENSG00000247796	5	CTD-2366F13.1	52405672	rs62359378	5	52414791	A	G	0.324056	0.00720601	0.00858943	0.401503	0.60368	0.0984333	8.63E-10	0.0119368	0.014361	0.4058616	0.00966858	3	0.82687629
ENSG00000155542	5	SETD9	56205087	rs185220	5	56205357	G	A	0.837972	-0.0059765	0.0106623	0.575119	1.24287	0.130198	1.35E-21	-0.0048086	0.00859355	0.5757785	0.180042	20	0.86027764
ENSG00000251575	5	CTD-2170G1.2	61028601	rs2937835	5	61025954	G	T	0.428429	-0.0077066	0.00827479	0.351681	0.490216	0.0819859	2.24E-09	-0.0157208	0.0170834	0.3574481	0.07632222	6	0.80107257
ENSG00000113593	5	PPWD1	64859063	rs27141	5	64881936	G	A	0.620278	0.00604495	0.00839676	0.471577	-0.433188	0.0701315	6.54E-10	-0.0139546	0.0195149	0.4745633	0.7535119	6	0.84587273
ENSG00000253203	5	GUSBP3	68790040	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.948985	0.122496	9.41E-15	-0.0084495	0.0113506	0.4566282	0.8040135	3	0.84448908
ENSG00000226259	5	GTF2H2B	69711179	rs59966095	5	70665606	T	C	0.616302	-0.0061149	0.00864302	0.479261	-0.877074	0.120363	3.17E-13	0.0069719	0.00990072	0.48132	0.0204386	6	0.84587273
ENSG00000253333	5	RP11-497H16.8	69790927	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.891046	0.105994	4.22E-17	-0.0089989	0.0120802	0.4563146	0.03099542	6	0.84448908
ENSG00000172058	5	SERF1A	70196492	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.887654	0.13437	3.95E-11	-0.0090333	0.0121558	0.4574065	0.02700639	5	0.84448908
ENSG00000145736	5	GTF2H2	70330784	rs59966095	5	70665606	T	C	0.616302	-0.0061149	0.00864302	0.479261	-0.821564	0.116058	1.45E-12	0.00744296	0.0105726	0.4814421	0.02320624	3	0.84587273
ENSG00000230847	5	RP11-195E2.1	70370052	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.954994	0.120012	1.76E-15	0.0210328	0.00992103	0.03400422	0.05516698	3	0.55196399
ENSG00000164346	5	NSA2	74062817	rs957680	5	74055209	C	T	0.139165	-0.0151261	0.0126001	0.229955	1.15044	0.106363	2.88E-27	-0.0131481	0.0110197	0.2328113	0.04880692	14	0.73974737
ENSG00000228716	5	DHFR	79922047	rs1382542	5	79953581	C	T	0.253479	0.00855545	0.00984449	0.384814	-0.566718	0.0850884	2.73E-11	-0.0150965	0.0175183	0.3888225	0.9946807	15	0.81431231
ENSG00000247572	5	CKMT2-AS1	80499903	rs4704712	5	80544322	C	T	0.193837	-0.0113524	0.00988687	0.250875	0.818158	0.113325	5.22E-13	-0.0138756	0.0122362	0.256804	0.3068502	12	0.7510678
ENSG00000248794	5	CTD-2248H3.1	80538149	rs28464111	5	80613197	C	T	0.181909	-0.0139264	0.0100974	0.167828	0.992072	0.143624	4.94E-12	-0.0140377	0.010379	0.1762125	0.6253321	8	0.70535632
ENSG00000152348	5	ATG10	81267844	rs4081859	5	81466669	A	G	0.767396	-0.0050605	0.0099002	0.609242	-0.832319	0.135808	8.86E-10	0.00608005	0.011936	0.6104812	0.4017022	18	0.88335894
ENSG00000186468	5	RPS23	81569177	rs226208	5	81603444	A	G	0.699801	-0.0029272	0.00877185	0.738599	0.652342	0.075715	6.95E-18	-0.0044873	0.0134568	0.7387883	0.4873918	20	0.92405924
ENSG00000205464	5	ATP6AP1L	81575281	rs226208	5	81603444	A	G	0.699801	-0.0029272	0.00877185	0.738599	-0.741448	0.0923093	9.57E-16	0.003948	0.0118409	0.7388167	0.4693497	20	0.92405924
ENSG00000249664	5	CTD-2227C6.2	82308104	rs10061690	5	82359045	A	G	0.394632	-0.0017057	0.0081411	0.834049	0.77992	0.119761	7.40E-11	-0.002187	0.0104438	0.8341339	0.1289062	7	0.95499982
ENSG00000247828	5	TMEM161B-AS1	87564712	rs6452782	5	87672704	G	A	0.256461	0.0210878	0.00892491	0.0181372	0.827354	0.101121	2.80E-16	0.0254882	0.0112281	0.02320522	0.475794	9	0.49328842
ENSG00000153113	5	CAST	95860971	rs4267886	5	95997266	C	T	0.151093	0.0144531	0.0116838	0.216078	0.635982	0.100481	2.46E-10	0.0227256	0.0187189	0.2247282	0.5528193	4	0.73294044
ENSG00000164307	5	ERAP1	96096521	rs27039	5	96114550	A	G	0.588469	-0.0118796	0.00809662	0.142312	-0.691491	0.0808896	1.25E-17	0.0171797	0.0118801	0.1481535	0.4346303	20	0.69712322
ENSG00000164308	5	ERAP2	96211643	rs2910686	5	96252589	C	T	0.426441	-0.0051338	0.00809615	0.526017	1.22799	0.0877184	1.58E-44	-0.0041806	0.00659977	0.526441	0.1687821	20	0.84798393
ENSG00000145777	5	TSLP	110405760	rs3806933	5	110406742	T	C	0.454274	-0.0110276	0.00808817	0.172749	-0.867122	0.112084	1.02E-14	0.0127175	0.00947135	0.1793592	0.7481937	8	0.70535632
ENSG00000129596	5	CDO1	115140430	rs34851	5	115162792	G	C	0.425447	0.00494199	0.00830348	0.551729	0.444765	0.0697911	1.86E-10	0.0111115	0.0187506	0.5534541	0.1841195	7	0.85420721
ENSG00000145781	5	COMMD10	115420688	rs7729439	5	115602144	A	G	0.232604	-0.0206535	0.0090725	0.022816	0.451071	0.0809033	2.47E-08	-0.0457877	0.0217252	0.0350673	0.9565292	3	0.55196399
ENSG00000164334	5	FAM170A	118965254	rs113644270	5	118901570	T	C	0.0974155	0.00450144	0.0149328	0.763075	1.10568	0.189989	5.89E-09	0.0040712	0.0135236	0.7633818	0.02436803	12	0.93553219
ENSG00000138829	5	FBN2	127593601	rs60574263	5	127900462	C	A	0.0854871	-0.0332297	0.0153159	0.0300352	1.02411	0.169642	1.57E-09	-0.0324474	0.0158919	0.04117507	0.1184094	10	0.55549964
ENSG00000113396	5	SLC27A6	127873706	rs2526257	5	128318333	G	A	0.303181	-0.01064	0.00954583	0.265012	-1.03856	0.140642	1.53E-13	0.010245	0.00929553	0.2704016	0.1608322	20	0.75485135
ENSG00000233006	5	AC034220.3	131646978	rs273913	5	131661156	C	T	0.584493	0.00596734	0.00807111	0.459697	0.794859	0.0960252	1.26E-16	0.00750742	0.0101946	0.4614788	0.7418957	18	0.84448908
ENSG00000164615	5	CAMLG	134074191	rs77750312	5	133920206	T	G	0.138171	0.00359048	0.0102861	0.727043	0.763574	0.106878	9.04E-13	0.0047022	0.0134871	0.7273555	0.2730826	7	0.92352672
ENSG00000253404	5	AC034243.1	138080123	rs2016720	5	138264058	T	C	0.272366	0.0286971	0.00868693	0.00095493	1.01593	0.107988	5.06E-21	0.0282471	0.00906255	0.0018276	0.8869863	20	0.19013442
ENSG00000120725	5	SIL1	138282409	rs13181830	5	138280416	T	C	0.277336	0.0279912	0.00871279	0.00131513	0.475158	0.0847929	2.10E-08	0.0589092	0.0211363	0.00531803	0.9079632	12	0.26429384
ENSG00000213523	5	SRA1	139916925	rs2878916	5	139971517	A	T	0.271372	-0.0078576	0.00837974	0.348404	-0.497607	0.0755699	4.56E-11	0.0157908	0.01701	0.3532391	0.3746165	10	0.80107257
ENSG00000173210	5	ABLIM3	148521046	rs1109114	5	148615946	T	C	0.360835	0.0116006	0.00840439	0.167493	-0.498597	0.0824253	1.46E-09	-0.0232665	0.0172893	0.1783952	0.9594982	7	0.70535632
ENSG00000254333	5	CTC-367J11.1	149855094	rs113681861	5	149885169	C	G	0.0735586	0.0198025	0.0148251	0.181636	1.50425	0.185364	4.85E-16	0.0131644	0.00998809	0.1875015	0.8734321	10	0.70535632
ENSG00000197083	5	ZNF300P1	150310207	rs11167524	5	150307940	A	G	0.361829	0.0142275	0.008411	0.0907361	-0.764591	0.09973	1.77E-14	-0.018608	0.0112652	0.09857385	0.09621138	11	0.64933886
ENSG00000213433	5	RP11-54C4.1	151145420	rs72802204	5	151183183	C	T	0.263419	-0.0280587	0.00873133	0.00131096	-0.77546	0.0938565	1.43E-16	0.0361833	0.0120812	0.00274447	0.0622397	13	0.19013442
ENSG00000251405	5	CTB-109A12.1	156789623	rs77243217	5	156887473	A	G	0.0894632	0.0123543	0.0137926	0.370404	1.18303	0.131983	3.15E-19	0.0104429	0.0117168	0.3727788	0.5233004	20	0.81253601
ENSG00000248544	5	CTB-47B11.3	156802749	rs77243217	5	156887473	A	G	0.0894632	0.0123543	0.0137926	0.370404	1.28485	0.168458	2.40E-14	0.00961536	0.0108086	0.3736776	0.03182071	12	0.81301956
ENSG00000213347	5	MXD3	176728462	rs11952102	5	176740704	A	G	0.763419	0.00682259	0.00878806	0.437543	-0.560645	0.0991097	1.54E-08	-0.0121692	0.0158218	0.4418114	0.7563861	3	0.84448908
ENSG00000169220	5	RGS14	176784838	rs10051765	5	176799992	C	T	0.33996	0.00075812	0.00821123	0.926438	-0.777658	0.106315	2.58E-13	-0.0009749	0.0105598	0.926444	0.9360776	13	0.9787673
ENSG00000170074	5	FAM153A	177134982	rs2012849	5	177155669	A	G	0.550696	0.00789288	0.0081112	0.330511	0.734265	0.0817048	2.55E-19	0.0107494	0.0111113	0.3333294	0.2378142	20	0.78725832
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	0.817259	0.0917351	5.15E-19	0.0201808	0.0105245	0.05517446	0.7336932	19	0.57562556
ENSG00000197226	5	TBC1D9B	179289066	rs272441	5	179301260	G	A	0.884692	-0.0021476	0.0151594	0.887341	1.02121	0.138479	1.65E-13	-0.002103	0.0148473	0.8873609	0.9855916	6	0.97364622
ENSG00000168903	5	BTNL3	180415845	rs62406740	5	180365817	C	T	0.293241	-0.0066385	0.00863937	0.442251	1.01191	0.122909	1.83E-16	-0.0065604	0.00857479	0.4442277	0.7761658	20	0.84448908
ENSG00000248275	5	TRIM52-AS1	180688213	rs1279911	5	180691200	G	C	0.279324	0.00526586	0.00895205	0.556378	-0.984107	0.0991579	3.25E-23	-0.0053509	0.00911259	0.55707	0.09389524	15	0.85420721
ENSG00000272463	6	RP11-532F6.3	708592	rs2244443	6	711150	C	A	0.707753	-0.006699	0.00912033	0.462634	0.878725	0.126336	3.51E-12	-0.0076236	0.0104368	0.4651131	0.2979236	11	0.84448908
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.2651	0.128742	8.65E-23	0.00677671	0.00786991	0.3891884	0.941285	20	0.81431231
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-1.11428	0.111864	2.26E-23	-0.0023866	0.00737573	0.7462573	0.1007719	8	0.92588328
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	0.846608	0.124043	8.79E-12	0.00424919	0.0120716	0.7248386	0.09998959	6	0.92352672
ENSG00000228793	6	RP1-223B1.1	3594481	rs226950	6	3716413	A	G	0.675944	0.012455	0.00884688	0.159179	0.849931	0.0921645	2.92E-20	0.0146541	0.0105295	0.1640082	0.116359	12	0.70535632
ENSG00000124784	6	RIOK1	7389729	rs12204324	6	7434045	A	C	0.574553	-0.007282	0.0081757	0.373096	0.570219	0.0957035	2.55E-09	-0.0127705	0.0144971	0.3783727	0.9983428	15	0.81431231
ENSG00000228412	6	RP4-625H18.2	19802395	rs7750703	6	19804814	G	C	0.125249	0.0137	0.0132447	0.300959	0.966989	0.155273	4.73E-10	0.0141677	0.0138845	0.3075403	0.2906822	5	0.77119938
ENSG00000124532	6	MRS2	24403153	rs793682	6	24429965	A	G	0.622266	0.0134917	0.00813628	0.0972747	-0.564991	0.0810888	3.22E-12	-0.0238795	0.0148029	0.1067098	0.6643235	9	0.66749203
ENSG00000272462	6	U91328.19	25992890	rs12216125	6	25997458	T	C	0.358847	-0.0076037	0.00835192	0.362604	-0.475157	0.087047	4.80E-08	0.0160025	0.01782	0.3691795	0.03283868	16	0.81190142
ENSG00000186470	6	BTN3A2	26365387	rs9393703	6	26356951	C	T	0.112326	-0.0691409	0.0145391	1.98E-06	-1.11643	0.166105	1.80E-11	0.0619303	0.0159529	0.00010357	0.03136421	5	0.12438577
ENSG00000181315	6	ZNF322	26636518	rs2494701	6	26634432	T	C	0.379722	0.0168342	0.00842102	0.0456016	-0.542587	0.0776482	2.79E-12	-0.0310258	0.0161427	0.05461001	0.03033871	20	0.57562556
ENSG00000124613	6	ZNF391	27342394	rs4713094	6	27373078	A	G	0.743539	-0.0093934	0.00832653	0.259264	0.735973	0.106474	4.77E-12	-0.0127633	0.0114633	0.2655366	0.07179662	8	0.7510678
ENSG00000216901	6	AL022393.7	28143966	rs203869	6	28040819	A	T	0.372763	-0.0218391	0.00881436	0.0132242	1.06998	0.103054	2.97E-25	-0.0204108	0.00846919	0.01595243	0.00074813	20	0.44055108
ENSG00000197062	6	RP5-874C20.3	28234788	rs2394049	6	28239681	G	A	0.403579	-0.0294714	0.00853373	0.00055333	-0.479438	0.0827048	6.75E-09	0.0614707	0.0207187	0.00300796	0.07649309	20	0.19013442
ENSG00000235109	6	ZSCAN31	28292470	rs9366717	6	28191057	T	C	0.0984095	-0.0626331	0.0149562	2.82E-05	1.08854	0.178947	1.18E-09	-0.0575386	0.0166808	0.00056186	0.573835	20	0.16869795
ENSG00000239257	6	RPL23AP1	29694446	rs909728	6	29719561	C	T	0.538767	0.00015501	0.00818393	0.984888	0.768698	0.112272	7.56E-12	0.00020166	0.0106465	0.9848881	0.4136187	20	0.99406911
ENSG00000181126	6	HLA-V	29758731	rs2285805	6	30042861	G	C	0.0447316	0.0138512	0.0245041	0.571896	1.32897	0.207018	1.37E-10	0.0104225	0.0185098	0.5733791	0.8100808	20	0.86027764
ENSG00000176998	6	HCG4	29758816	rs1610724	6	29761516	C	T	0.301193	-0.0049337	0.00951157	0.603969	-0.787184	0.125424	3.47E-10	0.00626748	0.0121242	0.6051991	0.3384727	20	0.87783106
ENSG00000230521	6	HCG4P7	29855071	rs9260639	6	29923423	T	C	0.159046	-0.0013595	0.0121516	0.910922	-1.00805	0.140487	7.21E-13	0.00134861	0.012056	0.9109327	0.2655773	20	0.97364622
ENSG00000206341	6	HLA-H	29855350	rs17179851	6	29924440	C	T	0.130219	-0.0133705	0.0135074	0.32224	0.90874	0.160391	1.46E-08	-0.0147132	0.015089	0.3295131	0.3535558	9	0.78593797
ENSG00000230795	6	HLA-K	29894236	rs2735076	6	29943490	G	A	0.782306	0.00451941	0.011057	0.682732	-1.13214	0.150485	5.34E-14	-0.0039919	0.00978086	0.6831742	0.04386016	20	0.9126721
ENSG00000235290	6	HLA-W	29924373	rs115644852	6	29923184	T	C	0.110338	-0.0145045	0.0136521	0.288037	1.12871	0.176767	1.71E-10	-0.0128505	0.0122616	0.2946253	0.5927493	20	0.76954774
ENSG00000204622	6	HLA-J	29974360	rs9260114	6	29909988	T	C	0.661034	0.011283	0.00828646	0.173317	0.86724	0.133651	8.65E-11	0.0130102	0.00976308	0.1826644	0.4538286	20	0.70535632
ENSG00000204618	6	RNF39	30038043	rs9260974	6	29961618	G	A	0.0954274	0.0175241	0.0179687	0.329433	1.04137	0.145322	7.73E-13	0.0168279	0.0174139	0.3338698	0.7815027	20	0.78725832
ENSG00000228022	6	HCG20	30734602	rs7740474	6	30760948	G	A	0.431412	0.00283087	0.0086631	0.743839	-0.730731	0.12281	2.68E-09	-0.003874	0.0118733	0.7442113	0.00202269	3	0.92588328
ENSG00000137411	6	VARS2	30876019	rs17189763	6	30923527	T	C	0.342942	-0.0085488	0.00829091	0.302491	0.718331	0.0911027	3.15E-15	-0.0119009	0.0116402	0.306591	0.2589411	16	0.77119938
ENSG00000228789	6	HCG22	31021227	rs3131789	6	31020821	G	A	0.577535	-0.015151	0.00811158	0.0617874	0.596923	0.101095	3.54E-09	-0.0253818	0.0142527	0.07493775	0.01491645	18	0.61224652
ENSG00000204531	6	POU5F1	31132119	rs3134755	6	31216300	T	C	0.384692	-0.0051064	0.00820634	0.533781	0.738955	0.117834	3.58E-10	-0.0069102	0.0111599	0.5357821	0.1992007	19	0.85022852
ENSG00000204528	6	PSORS1C3	31141512	rs11966319	6	31229678	T	C	0.127237	0.00574136	0.00981893	0.558734	1.21798	0.150108	4.90E-16	0.00471384	0.00808256	0.5597511	0.1704482	20	0.85420721
ENSG00000206344	6	HCG27	31165537	rs2523655	6	31444604	G	A	0.857853	-0.0076582	0.0116879	0.512322	0.743944	0.129501	9.21E-09	-0.0102941	0.0158126	0.5150429	0.2663553	20	0.84798393
ENSG00000204525	6	HLA-C	31236526	rs9264393	6	31229279	A	G	0.570577	0.0143418	0.00828493	0.0834411	-0.888061	0.103037	6.76E-18	-0.0161496	0.00951554	0.08966309	0.778133	20	0.64593039
ENSG00000272221	6	(Xbac-BPG181B23.	31362066	rs75098758	6	31361004	C	T	0.294235	-0.0062057	0.00873467	0.477413	-0.879656	0.133625	4.61E-11	0.00705471	0.0099873	0.4799593	0.1874547	19	0.84587273
ENSG00000204520	6	MICA	31371356	rs9295996	6	31390558	G	T	0.299205	-0.0110579	0.00850824	0.193714	-0.767314	0.105082	2.83E-13	0.0144112	0.0112626	0.2007	0.1910573	20	0.70535632
ENSG00000204428	6	LY6G5C	31644461	rs1266073	6	31667028	A	C	0.297217	-0.0199677	0.00827981	0.0158818	-0.774564	0.116691	3.19E-11	0.0257793	0.0113733	0.02341169	0.04025063	8	0.49328842
ENSG00000204338	6	CYP21A1P	31973413	rs2647019	6	32663355	C	G	0.10338	-0.0335473	0.0134428	0.0125756	-1.00959	0.1734	5.80E-09	0.0332286	0.0144867	0.0218054	0.01083409	15	0.49328842
ENSG00000198502	6	HLA-DRB5	32485120	rs35083819	6	32526526	G	A	0.852883	-0.0208016	0.0113742	0.0674249	-1.26707	0.119538	2.99E-26	0.0164171	0.00910941	0.07151194	0.4902565	20	0.60060028
ENSG00000229391	6	HLA-DRB6	32520490	rs9271404	6	32587553	A	T	0.358847	0.00648176	0.00855059	0.448422	0.844075	0.0927711	9.16E-20	0.00767913	0.0101652	0.4499905	0.06958439	20	0.84448908
ENSG00000196126	6	HLA-DRB1	32546546	rs9268835	6	32428115	A	G	0.277336	-0.0061949	0.00959282	0.518417	-0.398423	0.0675854	3.74E-09	0.0155486	0.024221	0.520907	0.642576	20	0.84798393
ENSG00000179344	6	HLA-DQB1	32627244	rs9274639	6	32636146	C	T	0.727634	-0.0266078	0.0089412	0.00292166	-0.986441	0.0987044	1.62E-23	0.0269735	0.00945741	0.00434305	0.00792173	20	0.25103777
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs9273394	6	32627082	G	A	0.685885	-0.0262869	0.00894415	0.00329261	-0.808932	0.125907	1.32E-10	0.0324958	0.0121587	0.00752557	0.972619	20	0.2914088
ENSG00000237541	6	HLA-DQA2	32709119	rs9272358	6	32604538	A	G	0.370775	-0.0062262	0.00858014	0.46805	0.922365	0.108454	1.82E-17	-0.0067503	0.00933613	0.4696629	0.743838	20	0.84448908
ENSG00000232629	6	HLA-DQB2	32723875	rs9274557	6	32634887	T	G	0.494036	-0.0052638	0.00809046	0.515294	0.816944	0.0822986	3.19E-23	-0.0064433	0.00992457	0.5161937	1	20	0.84798393
ENSG00000241106	6	HLA-DOB	32780540	rs4148876	6	32796793	A	G	0.0735586	0.0108122	0.0154544	0.484165	1.73595	0.266588	7.43E-11	0.00622841	0.0089538	0.4866692	0.07970249	17	0.84798393
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.696528	0.0809122	7.41E-18	-0.0142729	0.0257396	0.5792299	0.2580457	15	0.86095929
ENSG00000164530	6	PI16	36922209	rs4711475	6	36916019	C	T	0.452286	0.00912761	0.00828611	0.270655	0.613909	0.101033	1.23E-09	0.014868	0.0137173	0.2784143	0.01747772	14	0.76072457
ENSG00000198937	6	CCDC167	37450696	rs1224129	6	37413409	C	T	0.703777	-0.0112998	0.00833691	0.175293	0.48208	0.0866469	2.64E-08	-0.0234397	0.0177994	0.1878785	0.08266514	8	0.70535632
ENSG00000161912	6	ADCY10P1	41068761	rs62396316	6	41094128	G	A	0.0894632	0.0104043	0.0150451	0.489224	0.686848	0.117642	5.27E-09	0.0151479	0.0220577	0.4922464	0.6896559	7	0.84798393
ENSG00000124713	6	GNMT	42928496	rs1053539	6	42903766	G	T	0.519881	9.66E-05	0.00823046	0.990637	-0.642694	0.107479	2.24E-09	-0.0001503	0.0128062	0.9906374	0.8538042	6	0.99561131
ENSG00000124587	6	PEX6	42931608	rs9986447	6	42942779	G	A	0.459245	-0.0003573	0.00832962	0.965787	0.751004	0.0805582	1.14E-20	-0.0004757	0.0110914	0.9657872	0.9436618	12	0.98929041
ENSG00000153291	6	SLC25A27	46620678	rs7739815	6	46624656	T	A	0.277336	0.024144	0.0089331	0.00687686	0.593478	0.0843459	1.98E-12	0.0406822	0.0161244	0.011635	0.6649907	12	0.36772724
ENSG00000180113	6	TDRD6	46655612	rs7739815	6	46624656	T	A	0.277336	0.024144	0.0089331	0.00687686	-0.735996	0.0947415	7.94E-15	-0.0328045	0.012851	0.01068989	0.7682224	16	0.34698805
ENSG00000031691	6	CENPQ	49431091	rs6908203	6	49420206	C	T	0.445328	0.00488169	0.00803718	0.543593	-0.37603	0.0678789	3.03E-08	-0.0129822	0.0215019	0.5459965	0.1070538	6	0.85270408
ENSG00000151917	6	BEND6	56819773	rs6915492	6	56866081	A	T	0.243539	0.0011696	0.00868675	0.892895	-0.336193	0.0609027	3.39E-08	-0.003479	0.0258463	0.8929267	0.50986	5	0.97364622
ENSG00000272541	6	(bac-BPGBPG55C2	58182169	rs9500251	6	58280861	C	T	0.7167	0.00075709	0.0088066	0.931492	-0.650262	0.115698	1.91E-08	-0.0011643	0.0135447	0.9314996	0.8833323	6	0.9787673
ENSG00000272316	6	(bac-BPGBPG55C2	58234838	rs6936706	6	58269738	A	G	0.712724	0.00132977	0.00871119	0.878674	0.3928	0.0718273	4.53E-08	0.00338536	0.0221858	0.8787205	0.5475468	3	0.97364622
ENSG00000215190	6	LINC00680	58272352	rs7767929	6	58211760	G	A	0.71173	0.00144973	0.00871428	0.867871	-0.815454	0.0998267	3.12E-16	-0.0017778	0.0106886	0.8678988	0.5649253	20	0.97364622
ENSG00000146166	6	LGSN	63985856	rs9294206	6	64141201	G	A	0.5666	0.0131844	0.00841536	0.117183	-0.891126	0.118321	5.02E-14	-0.0147952	0.00964568	0.1250616	0.4701819	19	0.6858401
ENSG00000223504	6	RP11-542F9.1	68765243	rs35506850	6	68776354	A	G	0.252485	0.00728754	0.00894646	0.415316	-0.665627	0.113167	4.06E-09	-0.0109484	0.0135689	0.4197405	0.7808184	7	0.83955616
ENSG00000146243	6	IRAK1BP1	79577189	rs9361462	6	79599464	G	A	0.479125	0.0237118	0.00807811	0.00333204	0.604808	0.0987287	9.01E-10	0.0392055	0.0148106	0.00811803	0.9711195	5	0.29544716
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.673167	0.0589438	3.30E-30	0.0467315	0.0126291	0.00021534	0.8174952	19	0.12931263
ENSG00000135334	6	AKIRIN2	88384790	rs2264929	6	88398192	G	A	0.0884692	-0.0110893	0.0131738	0.399915	-0.616325	0.107108	8.70E-09	0.0179926	0.0216023	0.4048986	0.2139374	8	0.82687629
ENSG00000083099	6	LYRM2	90277863	rs4343895	6	90378930	T	C	0.629225	0.0101334	0.00830265	0.222274	-0.479635	0.0846914	1.48E-08	-0.0211273	0.0177078	0.2328264	0.766778	7	0.73974737
ENSG00000228506	6	RP11-98I9.4	99872798	rs6923983	6	99877219	G	T	0.493042	-0.0012717	0.00807062	0.874794	0.935894	0.0985186	2.11E-21	-0.0013588	0.00862462	0.8748115	0.3340084	20	0.97364622
ENSG00000219755	6	RP1-199J3.5	100023588	rs330818	6	100038843	T	C	0.807157	0.0101427	0.00879985	0.249074	0.835256	0.151703	3.67E-08	0.0121432	0.0107639	0.2592588	0.9805084	12	0.7510678
ENSG00000130348	6	QRSL1	107077453	rs3101493	6	107115394	G	A	0.382704	-0.0040115	0.00820452	0.624883	-0.685425	0.0854448	1.04E-15	0.0058526	0.0119922	0.6255254	0.3030715	8	0.88945142
ENSG00000155085	6	AK9	109814059	rs3778474	6	109695985	A	G	0.420477	-0.0187514	0.00810802	0.0207391	-0.60062	0.0792627	3.52E-14	0.0312201	0.0141141	0.02696871	0.3461233	20	0.50215325
ENSG00000203797	6	DDO	110712974	rs7764838	6	110739376	A	G	0.374751	-0.0085695	0.00812263	0.291418	0.582484	0.0803958	4.32E-13	-0.014712	0.0140919	0.2964825	0.2513392	5	0.76954774
ENSG00000255389	6	C6orf3	111921078	rs34659678	6	111888540	T	C	0.0656064	-0.0152634	0.0165274	0.355735	-1.2518	0.167086	6.79E-14	0.0121932	0.0133028	0.359361	0.4024159	18	0.80107257
ENSG00000203778	6	FAM229B	112408802	rs4947166	6	112424565	C	T	0.499006	0.00213845	0.0081114	0.792062	0.502312	0.075674	3.18E-11	0.00425721	0.0161609	0.7922211	0.01577245	5	0.94610551
ENSG00000237742	6	RP11-624M8.1	125899704	rs9398788	6	126092158	G	C	0.597416	-0.0084147	0.00813835	0.301158	-0.649213	0.0737871	1.39E-18	0.0129614	0.012622	0.3044733	0.8139962	20	0.77119938
ENSG00000118514	6	ALDH8A1	135238528	rs4134030	6	135354094	T	G	0.491054	0.00089417	0.00813757	0.912503	-0.665184	0.0805569	1.49E-16	-0.0013442	0.0122346	0.9125111	0.4155783	20	0.97364622
ENSG00000112339	6	HBS1L	135281516	rs6569988	6	135352303	A	C	0.498012	0.00309958	0.00830365	0.708941	-0.707441	0.0666914	2.74E-26	-0.0043814	0.0117449	0.7091125	0.3048574	20	0.91378818
ENSG00000232876	6	CTA-212D2.2	135376171	rs4142299	6	135377186	T	G	0.489066	0.00141275	0.00813824	0.862184	-0.942073	0.111019	2.14E-17	-0.0014996	0.00864046	0.8622131	0.4734742	20	0.97364622
ENSG00000225177	6	RP11-390P2.4	139013685	rs1129180	6	139018132	G	A	0.22167	-0.0077603	0.0102507	0.449023	0.554114	0.0781749	1.36E-12	-0.0140048	0.0186045	0.4515897	0.8821865	20	0.84448908
ENSG00000235652	6	RP11-545I5.3	146136048	rs6570719	6	146097181	G	A	0.574553	-0.0021156	0.00806796	0.793148	-0.420477	0.077123	4.98E-08	0.00503148	0.0192098	0.7933815	0.731261	9	0.94610551
ENSG00000228408	6	RP1-111D6.3	149539062	rs9377197	6	149533668	A	C	0.301193	-0.0087501	0.00926899	0.345159	0.726424	0.11832	8.28E-10	-0.0120455	0.0129097	0.3507909	0.9490099	3	0.80095032
ENSG00000055211	6	GINM1	149887430	rs10782315	6	150064229	C	T	0.358847	0.0111988	0.00828902	0.176681	-0.46682	0.0774131	1.64E-09	-0.0239895	0.0181965	0.187384	0.5889752	8	0.70535632
ENSG00000231760	6	RP11-350J20.5	150117711	rs12211511	6	150066342	C	G	0.369781	0.0104679	0.00828522	0.206432	0.910589	0.123297	1.52E-13	0.0114957	0.00923093	0.2130029	0.7624729	14	0.71376031
ENSG00000112031	6	MTRF1L	153308497	rs506219	6	153333883	T	C	0.695825	0.0297863	0.00897813	0.0009078	-0.784389	0.0968634	5.59E-16	-0.0379739	0.0123694	0.00214064	0.03874248	10	0.19013442
ENSG00000112110	6	MRPL18	160210844	rs25683	6	160196343	G	A	0.545726	-0.0022874	0.00817155	0.779539	-0.529617	0.0849518	4.54E-10	0.00431893	0.0154447	0.7797551	0.8529371	6	0.9432469
ENSG00000146453	6	PNLDC1	160221298	rs3777423	6	160218605	G	A	0.510934	-0.0007108	0.00812398	0.930282	-0.899157	0.0988136	9.07E-20	0.00079049	0.00903553	0.930285	0.8618843	12	0.9787673
ENSG00000112530	6	PACRG	163148164	rs68144677	6	163149024	C	T	0.124254	0.0358217	0.0174233	0.039786	0.719302	0.125862	1.10E-08	0.0498006	0.0257423	0.05304094	0.2235017	11	0.57562556
ENSG00000231720	6	RP11-568A7.3	167650996	rs2346159	6	167672725	T	C	0.277336	-0.001941	0.00904882	0.830158	0.773156	0.109849	1.95E-12	-0.0025105	0.0117092	0.8302349	0.5327036	5	0.95499982
ENSG00000235994	6	RP3-470B24.5	168376604	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.726255	0.101972	1.06E-12	-0.0099881	0.0115686	0.3879259	0.10002	20	0.81431231
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.787483	0.103495	2.76E-14	-0.0092115	0.0106594	0.3874935	0.1038464	20	0.81431231
ENSG00000125337	6	KIF25	168396921	rs78086629	6	168391579	G	T	0.147117	0.0108575	0.0101374	0.284155	1.10104	0.167463	4.87E-11	0.00986113	0.00932847	0.2904659	0.1952501	17	0.76954774
ENSG00000223855	7	AC147651.3	560028	rs9801322	7	564240	G	A	0.175944	0.00829487	0.0105012	0.429588	1.13942	0.142256	1.15E-15	0.00727991	0.00926098	0.4318183	0.9209724	6	0.84448908
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.2681	0.104551	7.42E-34	-0.0056645	0.00663846	0.3935031	0.5850269	20	0.81787498
ENSG00000157927	7	RADIL	4836686	rs17829256	7	4804804	C	T	0.0387674	0.00357583	0.0299108	0.90484	0.952341	0.172749	3.53E-08	0.00375478	0.031415	0.9048621	0.8591238	12	0.97364622
ENSG00000196204	7	RNF216P1	5013619	rs115540690	7	5033063	G	C	0.10835	-0.026095	0.0154785	0.0918185	-0.914755	0.160688	1.25E-08	0.0285268	0.0176473	0.1059882	0.4194357	6	0.66644936

ENSG00000122674	7	CCZ1	5938356	rs9691768	7	6886615	C	G	0.49006	-0.0058441	0.00823811	0.478076	0.746711	0.126217	3.30E-09	-0.0078265	0.0111116	0.4812118	0.8631741	7	0.84587273
ENSG00000187953	7	PMS2CL	6749759	rs113937567	7	6020598	T	C	0.0576541	0.0150732	0.0136621	0.269903	0.945957	0.171656	3.57E-08	0.0159343	0.0147292	0.2793335	0.6321307	7	0.76072457
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.820743	0.120936	1.15E-11	0.00679322	0.01008	0.5003559	0.8250513	7	0.84798393
ENSG00000106392	7	C1GALT1	7196565	rs4720726	7	7225451	A	G	0.357853	-0.0047513	0.00810563	0.557758	0.442555	0.066578	2.99E-11	-0.0107361	0.0183866	0.5592813	0.2223701	16	0.85420721
ENSG00000272894	7	RP5-1159O4.1	7592093	rs73674582	7	7605391	T	C	0.254473	-0.0185873	0.00881886	0.035059	0.404914	0.0690072	4.42E-09	-0.0459043	0.023142	0.04730141	0.1751136	12	0.56246528
ENSG00000237773	7	AC003075.4	17319458	rs4719497	7	17334899	C	T	0.124254	0.00291338	0.0126872	0.818378	0.969082	0.160259	1.48E-09	0.00300633	0.0131014	0.8185067	0.4228158	8	0.95489157
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-0.866327	0.135249	1.50E-10	0.0378902	0.0225606	0.09305811	0.00424726	6	0.64784719
ENSG00000230658	7	KLHL7-AS1	23140847	rs7456915	7	23143049	C	T	0.34493	-0.0026385	0.00868182	0.761197	1.10715	0.0991158	5.70E-29	-0.0023831	0.0078445	0.7612832	0.1216545	20	0.93553219
ENSG00000136243	7	NUPL2	23221446	rs10279941	7	23370508	G	C	0.372763	0.00164903	0.00836751	0.843768	-0.766992	0.0942674	4.07E-16	-0.00215	0.0109127	0.8438138	0.2021087	20	0.96424393
ENSG00000188732	7	FAM221A	23719749	rs2191305	7	23723212	T	C	0.480119	0.0119243	0.0081011	0.141038	0.896681	0.100012	3.08E-19	0.0132983	0.00915548	0.1463649	0.2255293	20	0.69712322
ENSG00000196335	7	STK31	23749786	rs4722245	7	23721573	A	G	0.482107	0.0109948	0.00810211	0.174771	0.708655	0.0943942	6.03E-14	0.015515	0.0116184	0.1817492	0.3094232	20	0.70535632
ENSG00000105928	7	DFNA5	24737972	rs2721811	7	24749429	G	A	0.421471	0.0296628	0.00805688	0.00023171	0.680974	0.0912363	8.40E-14	0.0435594	0.0131925	0.00096055	0.484935	20	0.18775096
ENSG00000272568	7	CTB-113D17.1	29019583	rs76335499	7	29039241	T	C	0.084493	0.00456232	0.0170198	0.788653	0.935436	0.124129	4.85E-14	0.00487721	0.018206	0.7887839	0.9679117	4	0.94610551
ENSG00000225264	7	ZNRF2P2	29638411	rs34766799	7	29683718	A	G	0.0775348	0.0318517	0.0207381	0.124563	1.37997	0.181061	2.51E-14	0.0230814	0.01533	0.1321611	0.3893027	4	0.6915125
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-1.16385	0.0978816	1.33E-32	-0.0002929	0.00766562	0.9695213	0.2611717	20	0.98929041
ENSG00000244480	7	AC005154.7	30562759	rs973002	7	30698904	A	G	0.83002	0.0134511	0.00984834	0.171996	-0.87479	0.111931	5.48E-15	-0.0153764	0.0114286	0.1784853	0.1386082	17	0.70535632
ENSG00000180347	7	CCDC129	31553704	rs13223005	7	31557033	G	T	0.235586	-0.0047789	0.00921811	0.604161	-0.969525	0.129147	6.04E-14	0.00492911	0.00953051	0.6050212	0.386727	4	0.87783106
ENSG00000227191	7	TRGC2	38279181	rs2109364	7	38280817	A	G	0.454274	0.00311533	0.00806894	0.699431	-0.819117	0.0859752	1.61E-21	-0.0038033	0.00985886	0.6996652	0.5876067	20	0.91378818
ENSG00000211688	7	TRGJP2	38295938	rs28609731	7	38317029	G	C	0.463221	0.00302546	0.00806611	0.707599	-0.823377	0.104783	3.91E-15	-0.0036745	0.00980753	0.7079161	0.5933006	16	0.91378818
ENSG00000211698	7	TRGV4	38393316	rs3956755	7	38398487	T	A	0.203777	-0.0115758	0.00849361	0.17292	-0.776018	0.12042	1.16E-10	0.0149169	0.0111872	0.1824038	0.9521592	20	0.70535632
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.17366	0.0955165	1.06E-34	0.0111417	0.00794044	0.1605682	0.565017	20	0.70535632
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.627547	0.089213	2.00E-12	0.0208376	0.0150478	0.1661247	0.5774906	8	0.70535632
ENSG00000185290	7	NUPR1L	56182374	rs11238378	7	55827309	G	A	0.234592	0.0129146	0.00925772	0.163012	1.09657	0.120582	9.55E-20	0.0117773	0.00854119	0.1679319	0.4626733	19	0.70535632
ENSG00000173041	7	ZNF680	63980262	rs73139684	7	63882315	A	G	0.223658	0.0122874	0.00934471	0.188542	-0.514814	0.0898927	1.02E-08	-0.0238676	0.0186239	0.1999973	0.3735287	12	0.70535632
ENSG00000213640	7	RP11-797H7.3	64323377	rs4392773	7	64308195	G	A	0.405567	0.0087726	0.00824867	0.287547	0.84882	0.122335	3.96E-12	0.0103351	0.0098313	0.2931485	0.4905771	20	0.76954774
ENSG00000213462	7	ERV3-1	64451187	rs13229762	7	64484439	A	G	0.562624	0.00517661	0.00814619	0.525125	-0.744303	0.0828828	2.70E-19	-0.006955	0.0109721	0.5261599	0.9688376	20	0.84798393
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-0.925788	0.0893699	3.81E-25	-0.0056605	0.00881633	0.520842	0.9788738	20	0.84798393
ENSG00000226002	7	RP11-460N20.5	64544481	rs13223327	7	64695829	T	C	0.356859	-0.006505	0.00864769	0.451915	0.778404	0.115592	1.65E-11	-0.0083569	0.0111786	0.4547162	0.7800176	19	0.84448908
ENSG00000164669	7	INTS4L1	64601603	rs7786206	7	65063274	T	C	0.584493	0.0115372	0.00820191	0.159533	0.618636	0.0799977	1.05E-14	0.0186494	0.0134756	0.1663771	0.5458586	20	0.70535632
ENSG00000237310	7	GS1-124K5.4	65958693	rs1000464	7	65777909	C	G	0.622266	0.0134039	0.00832847	0.107528	-0.662474	0.098316	1.60E-11	-0.0202331	0.0129254	0.1174949	0.6683565	13	0.68169746
ENSG00000226824	7	RP4-756H11.3	66119525	rs6979488	7	66218847	C	T	0.542744	-0.0145176	0.00826604	0.0790387	-1.07725	0.0899417	4.68E-33	0.0134765	0.00775534	0.08226167	0.8867748	14	0.64593039
ENSG00000198874	7	TYW1	66460160	rs10228308	7	66515614	C	T	0.220676	-0.016259	0.0110025	0.139471	1.12275	0.12509	2.82E-19	-0.0144814	0.00993153	0.1448063	0.8437343	10	0.69712322
ENSG00000106610	7	STAG3L4	66767608	rs9443	7	66785137	A	C	0.392644	0.00340825	0.0089224	0.70247	-0.825618	0.0820314	7.92E-24	-0.0041281	0.0108147	0.7026741	0.09629618	20	0.91378818
ENSG00000165171	7	WBSCR27	73248920	rs6965004	7	73190705	T	G	0.265408	-0.0035464	0.00858371	0.679498	1.16887	0.127015	3.49E-20	-0.003034	0.00735099	0.6798022	0.5176607	20	0.91222619
ENSG00000196275	7	GTF2IRD2	74210483	rs810366	7	74140925	G	C	0.806163	-0.0368269	0.0104766	0.0004395	-0.834666	0.103571	7.70E-16	0.0441217	0.0136939	0.00127303	0.07333185	20	0.19013442
ENSG00000123965	7	PMS2P5	74306894	rs1635749	7	74360737	C	T	0.809145	-0.0231069	0.0104641	0.0272301	-1.3207	0.130568	4.74E-24	0.0174959	0.00810975	0.03097483	0.06185963	20	0.53143958
ENSG00000188372	7	ZP3	76026835	rs2527935	7	76254810	T	C	0.298211	-0.0095262	0.00953525	0.31777	0.941591	0.130543	5.48E-13	-0.0101171	0.0102234	0.322368	0.5296901	20	0.77743769
ENSG00000243566	7	UPK3B	76139745	rs10270398	7	76010456	G	C	0.249503	0.00501029	0.00943857	0.595536	0.891769	0.131987	1.41E-11	0.00561837	0.0106167	0.5966662	0.6597557	20	0.87071216
ENSG00000205485	7	AC004980.7	76178677	rs75292946	7	76224198	G	A	0.301193	-0.0099522	0.00952701	0.296195	0.917703	0.129226	1.23E-12	-0.0108447	0.0104931	0.3013676	0.6049214	14	0.77119938
ENSG00000146707	7	POMZP3	76239303	rs41278779	7	76255061	C	T	0.209742	0.0119927	0.0109203	0.272118	-1.06542	0.137063	7.65E-15	-0.0112563	0.0103515	0.2768584	0.4926563	20	0.76072457
ENSG00000214293	7	RSBN1L-AS1	77286977	rs10260269	7	77296377	T	A	0.141153	0.00094459	0.012943	0.941821	-1.13654	0.133723	1.91E-17	-0.0008311	0.0113885	0.9418235	0.4643337	20	0.9841441
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.36273	0.183361	1.07E-13	0.0139981	0.0137309	0.3079872	0.3960867	5	0.77119938
ENSG00000272950	7	RP11-307C18.1	97952165	rs10249366	7	97901860	G	C	0.575547	-0.0195847	0.00805848	0.0150855	0.647235	0.11234	8.34E-09	-0.030259	0.013513	0.02513973	0.06653172	14	0.49468958
ENSG00000146833	7	TRIM4	99474581	rs2527906	7	99521698	T	C	0.532803	-0.0001255	0.00821296	0.987807	0.50832	0.0806101	2.87E-10	-0.0002469	0.0161571	0.9878071	0.02245538	4	0.99561131
ENSG00000066923	7	STAG3	99775186	rs1987580	7	99570586	C	A	0.297217	0.0194456	0.0084259	0.0210083	0.493185	0.0638531	1.13E-14	0.0394286	0.017831	0.02701943	0.3597085	20	0.50215325
ENSG00000213413	7	PVRIG	99815864	rs1727142	7	99816179	C	T	0.735586	-0.0239115	0.00920553	0.00939031	-0.580656	0.093945	6.38E-10	0.0411801	0.0171968	0.0166365	0.3466893	14	0.44055108
ENSG00000242294	7	STAG3L5P	99933702	rs7797025	7	99937941	G	A	0.172962	-0.0149568	0.00986372	0.129433	0.681913	0.10068	1.26E-11	-0.0219336	0.0148228	0.1389491	0.05836818	9	0.69712322
ENSG00000121716	7	PILRB	99933737	rs7797025	7	99937941	G	A	0.172962	-0.0149568	0.00986372	0.129433	0.941264	0.0915182	8.23E-25	-0.0158901	0.0105925	0.1335811	0.7121468	14	0.6915125
ENSG00000085514	7	PILRA	99965153	rs11766917	7	99937942	G	A	0.170974	-0.0149566	0.00986372	0.129437	0.636447	0.108604	4.62E-09	-0.0235001	0.0160085	0.1421097	0.501271	3	0.69712322
ENSG00000228049	7	POLR2J2	102277474	rs62483507	7	102350540	G	A	0.799205	0.00122806	0.0142066	0.931115	-1.19473	0.169731	1.94E-12	-0.0010279	0.011892	0.9311195	0.6086611	6	0.9787673
ENSG00000170632	7	ARMC10	102715328	rs952879	7	102666696	T	C	0.255467	-0.0196582	0.00926474	0.0338524	-0.489631	0.0828962	3.49E-09	0.040149	0.0201058	0.04583708	0.04531426	5	0.55606397
ENSG00000105976	7	MET	116312444	rs42374	7	116444070	C	T	0.44334	-0.0160783	0.00826807	0.0518203	-0.820776	0.108605	4.11E-14	0.0195891	0.0104016	0.05966265	0.7461842	11	0.57562556
ENSG00000242593	7	RP5-921G16.1	123672259	rs10235939	7	124032560	A	C	0.241551	-0.0084861	0.00937036	0.365129	-0.873025	0.138578	2.98E-10	0.00972039	0.0108435	0.3700277	0.239407	6	0.81190142
ENSG00000273270	7	RP11-212P7.2	128164070	rs1450874	7	128336850	A	G	0.291252	-0.0105588	0.00900235	0.24084	-0.486121	0.0849963	1.07E-08	0.0217205	0.0189041	0.2505635	0.5683767	4	0.74642061
ENSG00000230715	7	RP11-274B21.4	128292895	rs1450874	7	128336850	A	G	0.291252	-0.0105588	0.00900235	0.24084	0.446253	0.0682613	6.26E-11	-0.023661	0.0204953	0.2483114	0.1202976	7	0.74642061
ENSG00000229413	7	AC018638.1	128293740	rs1450874	7	128336850	A	G	0.291252	-0.0105588	0.00900235	0.24084	0.471555	0.0824819	1.08E-08	-0.0223914	0.0194884	0.250571	0.1063781	6	0.74642061
ENSG00000243679	7	RP11-274B21.3	128294023	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.472106	0.0706304	2.32E-11	-0.0113182	0.0172529	0.5118113	0.5339191	5	0.84798393
ENSG00000271553	7	RP11-274B21.10	128307097	rs34757247	7	128293881	C	G	0.156064	0.00884377	0.010726	0.409646	0.559024	0.100708	2.84E-08	0.01582	0.0193975	0.4147466	0.9305689	4	0.83435623
ENSG00000273329	7	RP11-448A19.1	129244389	rs10954247	7	129246450	C	T	0.291252	-0.0097463	0.00858307	0.256155	0.504696	0.0880652	9.99E-09	-0.0193112	0.017337	0.2653343	0.7803355	4	0.7510678
ENSG00000090263	7	MRPS33	140705854	rs117998504	7	140822410	G	A	0.0119284	-0.042567	0.0231468	0.0659144	-1.14235	0.195444	5.07E-09	0.0372627	0.0212417	0.07939263	0.2415643	6	0.63567032
ENSG00000228775	7	WEE2-AS1	141404138	rs17462840	7	141444414	C	G	0.468191	-0.0011339	0.00806863	0.888239	0.611402	0.0813855	5.80E-14	-0.0018546	0.0131992	0.8882592	0.9598517	19	0.97364622
ENSG00000127364	7	TAS2R4	141478242	rs2214839	7	141517511	C	T	0.465209	-0.0038172	0.00804801	0.635281	0.761378	0.0911377	6.59E-17	-0.0050136	0.0105873	0.6358255	0.8807296	20	0.89522441
ENSG00000257335	7	MGAM	141607613	rs10485835	7	141446818	T	C	0.468191	-0.0024331	0.0080432	0.76227	-0.581733	0.0930676	4.09E-10	0.00418247	0.0138425	0.7625393	0.8812098	17	0.93553219
ENSG00000213214	7	ARHGEF35	143883176	rs1635893	7	143877476	G	A	0.161034	-0.0235824	0.0107468	0.0282091	-0.894357	0.162542	3.75E-08	0.026368	0.0129366	0.04152453	0.7812781	5	0.55549964
ENSG00000050327	7	ARHGEF5	144052381	rs720475	7	144074929	A	G	0.28827	-0.0019456	0.00925552	0.833505	0.757027	0.119338	2.25E-10	-0.00257	0.0122329	0.8335949	0.3412218	6	0.95499982
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.425727	0.0741815	9.52E-09	-0.0275557	0.0210506	0.190527	0.7099729	8	0.70535632
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs6949468	7	149584976	C	T	0.418489	0.00949366	0.00810155	0.241264	-0.40435	0.0688754	4.34E-09	-0.0234788	0.0204312	0.2504886	0.781321	7	0.74642061
ENSG00000171130	7	ATP6V0E2	149570057	rs10247524	7	149579948	C	G	0.599404	-0.0031652	0.00806324	0.69466	0.295842	0.0464882	1.97E-10	-0.0106988	0.027307	0.6952089	0.0871922	8	0.91378818
ENSG00000127399	7	LRRC61	150019728	rs10247016	7	150026169	G	C	0.309145	-0.0098537	0.00825872	0.232819	0.72405	0.0952682	2.96E-14	-0.0136092	0.011546	0.2385204	0.8606876	18	0.74334713
ENSG00000188707	7	ZBED6CL	150026938	rs2159236	7	150017214	G	A	0.26839	-0.0069531	0.00870544	0.424458	-0.711798	0.103606	6.41E-12	0.00976839	0.0123126	0.4275644	0.295801	14	0.84203784
ENSG00000261305	7	RP4-584D14.7	150038860	rs11773351	7	150030963	C	T	0.246521	-0.0107296	0.00913912	0.240383	0.745786	0.129442	8.34E-09	-0.014387	0.0125062	0.2499836	0.3121828	4	0.74642061
ENSG00000196584	7	XRCC2	152341864	rs3218384	7	152373252	G	C	0.200795	0.0206845	0.00957519	0.030756	0.878183	0.152977	9.43E-09	0.0235537	0.0116498	0.04319621	0.2971844	3	0.55549964
ENSG00000214106	7	PAXIP1-AS2	154720208	rs2293259	7	154739231	A	G	0.323062	-0.0087209	0.00855745	0.308154	0.658214	0.10241	1.30E-10	-0.0132494	0.0131634	0.3141609	0.4041874	5	0.77524895
ENSG00000273344	7	PAXIP1-AS1	154795158	rs306286	7	154781254	A	T	0.301193	-0.0068095	0.00865573	0.431453	-0.546262	0.0867042	2.97E-10	0.0124657	0.0159684	0.4350105	0.3765785	6	0.84448908
ENSG00000218672	7	AC008060.7	155174771	rs4716544	7	155195682	A	G	0.536779	-0.0021396	0.00819001	0.793906	0.793812	0.0951567	7.29E-17	-0.0026953	0.0103224	0.7940041	0.6721819	5	0.94610551
ENSG00000260426	7	RP5-912I13.1	155192617	rs4716544	7	155195682	A	G	0.536779	-0.0021396	0.00819001	0.793906	0.814905	0.0997754	3.15E-16	-0.0026256	0.0100554	0.7940084	0.7989353	7	0.94610551
ENSG00000253982	8	CTD-2336O2.1	1710156	rs6558535	8	1710632	C	T	0.688867	0.0139258	0.00951819	0.143448	0.398005	0.0677068	4.14E-09	0.034989	0.0246443	0.1556781	0.2516901	6	0.70289247
ENSG00000036448	8	MYOM2	1993155	rs4876220	8	2075378	C	T	0.446322	0.0131483	0.00808165	0.103751	0.809016	0.0981465	1.68E-16	0.0162522	0.0101822	0.1104575	0.8020531	20	0.67543082
ENSG00000253893	8	FAM85B	8025341	rs1401390	8	8136410	T	C	0.454274	0.016049	0.00813857	0.0486127	-0.91038	0.111312	2.87E-16	-0.0176289	0.00919594	0.05523394	0.8688555	20	0.57562556
ENSG00000253678	8	RP11-981G7.3	10335001	rs67173113	8	10289235	A	G	0.192843	-0.0069601	0.0104557	0.505621	0.774233	0.133493	6.64E-09	-0.0089896	0.0135932	0.5084015	0.1216483	16	0.84798393
ENSG00000255020	8	AF131216.5	11203257	rs2736287	8	11228006	A	G	0.523857	-0.0195631	0.00818255	0.0168101	-0.616422	0.0964978	1.68E-10	0.0317365	0.0141735	0.02514679	0.6641899	16	0.49468958
ENSG00000227888	8	FAM66A	12219527	rs34811012	8	12185929	G	A	0.368787	0.0004101	0.0109571	0.970144	-0.877503	0.146873	2.31E-09	-0.0004673	0.0124869	0.9701447	0.02681597	20	0.98929041
ENSG00000129422	8	MTUS1	17501304	rs71526144	8	17507915	T	G	0.130219	0.00028584	0.0105394	0.978363	-0.604636	0.0870082	3.67E-12	-0.0004727	0.0174311	0.9783635	0.8138887	20	0.99158469
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.412826	0.0589088	2.42E-12	0.0123466	0.0204901	0.5467996	0.2237673	20	0.85270408
ENSG00000156011	8	PSD3	18384811	rs2638656	8	18666839	G	C	0.16004	0.0140823	0.0109696	0.199226	-0.355213	0.0629171	1.64E-08	-0.0396447	0.03167	0.2106416	0.04428806	5	0.70896241
ENSG00000197181	8	PIWIL2	22132810	rs13259097	8	22133744	T	C	0.550696	-0.0033697	0.00837567	0.687451	-0.650024	0.113539	1.03E-08	0.0051839	0.0129169	0.6881804	0.2634483	10	0.91359156
ENSG00000134020	8	PEBP4	22570769	rs6557604	8	22796318	A	G	0.799205	0.0164	0.0096633	0.0896706	0.518193	0.0756228	7.27E-12	0.0316484	0.0192115	0.09948239	0.4562551	8	0.64933886
ENSG00000015592	8	STMN4	27092840	rs10481349	8	27104727	A	G	0.37674	-0.0143537	0.00836965	0.0863515	-0.962019	0.079528	1.10E-33	0.0149204	0.00878709	0.08950953	0.1074747	15	0.64593039
ENSG00000104228	8	TRIM35	27142404	rs10481349	8	27104727	A	G	0.37674	-0.0143537	0.00836965	0.0863515	-0.789959	0.0854502	2.36E-20	0.0181702	0.0107758	0.091757	0.1363006	15	0.64593039
ENSG00000120915	8	EPHX2	27348296	rs7828349	8	27393066	A	G	0.145129	0.00665162	0.0120459	0.580818	0.455693	0.0726761	3.61E-10	0.0145967	0.0265366	0.5822778	0.1637089	3	0.86329121
ENSG00000134014	8	ELP3	27947190	rs13250007	8	27995722	G	T	0.338966	0.00552181	0.00848627	0.515256	0.600488	0.0887066	1.29E-11	0.00919554	0.0141974	0.5171851	0.9925132	13	0.84798393
ENSG00000176209	8	SMIM19	42396298	rs73633616	8	42425673	G	A	0.612326	-0.000913	0.00836934	0.913135	-0.478675	0.0766473	4.23E-10	0.00190729	0.0174871	0.9131481	0.5308503	9	0.97364622
ENSG00000034239	8	EFCAB1	49623348	rs1871889	8	49641044	G	C	0.630219	-0.0012685	0.0086976	0.884044	-0.832653	0.119189	2.83E-12	0.00152344	0.0104479	0.884069	0.3348952	5	0.97364622
ENSG00000254139	8	CTD-2339F6.1	58658708	rs4425741	8	58646618	C	G	0.441352	0.00903203	0.00837949	0.28109	0.774833	0.124492	4.85E-10	0.0116567	0.0109756	0.2882064	0.9679023	3	0.76954774
ENSG00000104442	8	ARMC1	66514694	rs4737750	8	66550959	C	G	0.612326	0.0151231	0.00859487	0.0784856	-0.572933	0.0850106	1.59E-11	-0.0263959	0.0155044	0.08866471	0.8916363	5	0.64593039
ENSG00000147576	8	ADHFE1	67342420	rs55878528	8	67365581	G	A	0.296223	0.00865403	0.00841169	0.303569	0.343582	0.0602682	1.19E-08	0.0251877	0.0248778	0.3113204	0.385275	7	0.7748198
ENSG00000221947	8	XKR9	71581600	rs34351710	8	71608019	G	A	0.507952	-0.0146011	0.00805901	0.0700213	0.949304	0.0929728	1.78E-24	-0.0153808	0.008622	0.07443869	0.310638	11	0.61224652
ENSG00000104369	8	JPH1	75146935	rs2977064	8	75092910	A	C	0.780318	0.0037647	0.00984283	0.702105	-0.859974	0.0985836	2.70E-18	-0.0043777	0.0114565	0.7023766	0.3782593	11	0.91378818
ENSG00000174226	8	SNX31	101585116	rs1693560	8	101680292	G	A	0.469185	-0.0028437	0.00813132	0.726549	1.04674	0.109291	9.94E-22	-0.0027167	0.00777341	0.7267241	0.5824034	16	0.92352672
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.03533	0.140881	2.00E-13	-0.0052164	0.00936979	0.5777141	0.2452215	3	0.86095929
ENSG00000155926	8	SLA	134048973	rs2687820	8	133926693	A	G	0.965209	0.0113439	0.0386997	0.769424	0.565978	0.103761	4.91E-08	0.020043	0.0684753	0.7697484	0.3295045	3	0.93868929
ENSG00000171045	8	TSNARE1	143293441	rs56161327	8	143352053	A	C	0.141153	-0.0003243	0.0117442	0.977972	0.557641	0.0966313	7.89E-09	-0.0005815	0.0210607	0.9779717	0.2888464	8	0.99158469
ENSG00000261693	8	RP13-467H17.1	143485013	rs9324590	8	143498997	C	A	0.143141	-0.0007338	0.011817	0.950488	0.824973	0.14064	4.47E-09	-0.0008894	0.0143249	0.9504909	0.9440825	3	0.98929041
ENSG00000253741	8	CTD-2292P10.4	143783670	rs13261547	8	143839166	C	T	0.374751	0.00122703	0.00855629	0.885969	-0.607412	0.0949539	1.59E-10	-0.0020201	0.01409	0.8859974	0.00662276	20	0.97364622
ENSG00000253716	8	RP13-582O9.5	144362331	rs11136279	8	144366661	C	T	0.486083	0.00204902	0.00809097	0.800076	-0.662798	0.10003	3.45E-11	-0.0030915	0.0122162	0.8002195	0.5395196	14	0.94859791
ENSG00000014164	8	ZC3H3	144519825	rs12716574	8	144628514	G	A	0.349901	0.00289569	0.0082666	0.726123	-0.602202	0.105761	1.24E-08	-0.0048085	0.0137532	0.7266187	0.9775742	5	0.92352672
ENSG00000255050	8	RP11-661A12.9	144655660	rs7464821	8	144778938	T	C	0.832008	0.0042257	0.0098449	0.667758	0.720307	0.129671	2.78E-08	0.00586653	0.0137084	0.6686863	0.9928577	5	0.90650357
ENSG00000147813	8	NAPRT1	144656955	rs1809148	8	144663075	A	G	0.130219	-0.0026056	0.0111614	0.815411	-1.24167	0.138689	3.46E-19	0.0020985	0.00899208	0.8154728	0.770399	20	0.95391633
ENSG00000254812	8	RP11-661A12.12	144714241	rs2085014	8	144692606	G	A	0.250497	-0.0035161	0.00932845	0.706233	-0.740203	0.126348	4.67E-09	0.00475017	0.0126286	0.7068103	0.9011117	8	0.91378818
ENSG00000071894	8	CPSF1	145618444	rs2280836	8	145621556	A	G	0.570577	-0.0002348	0.00807282	0.976797	0.838783	0.0775041	2.70E-27	-0.0002799	0.00962448	0.9767975	0.4839912	14	0.99158469
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	1.01445	0.166614	1.14E-09	0.0122679	0.0173603	0.4797734	0.0085195	3	0.84587273
ENSG00000196922	8	ZNF252P	146198975	rs10100911	8	146214464	T	C	0.0984095	-0.0064403	0.0118895	0.588042	0.934681	0.143425	7.18E-11	-0.0068903	0.0127642	0.5893254	0.826585	13	0.86779815
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407330	9	73986	G	A	0.44831	-0.0014228	0.00842389	0.865875	-0.826616	0.132044	3.85E-10	0.00172123	0.0101945	0.8659232	0.5482619	8	0.97364622
ENSG00000172785	9	CBWD1	121041	rs3008143	9	193737	T	C	0.619284	0.00110801	0.00824952	0.893156	-0.768813	0.107117	7.11E-13	-0.0014412	0.0107321	0.8931744	0.1280209	20	0.97364622
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	0.991236	0.134109	1.45E-13	-0.0005845	0.0111465	0.9581796	0.6662221	7	0.98929041
ENSG00000235448	9	RP11-3L8.3	12700100	rs10960779	9	12758881	G	A	0.604374	0.00213444	0.00848375	0.801357	1.00731	0.093274	3.46E-27	0.00211895	0.00842447	0.8014095	0.80125	20	0.94859791
ENSG00000153714	9	LURAP1L	12775020	rs10124197	9	12746651	C	T	0.307157	0.00527861	0.00902039	0.558423	-0.696846	0.0940828	1.29E-13	-0.007575	0.0129849	0.5596452	0.2130139	20	0.85420721
ENSG00000215237	9	RP11-54D18.2	14993310	rs1916311	9	15019719	C	T	0.5	-0.0052414	0.00807877	0.516473	1.03005	0.0911109	1.23E-29	-0.0050885	0.00785599	0.5171621	0.243839	20	0.84798393
ENSG00000096872	9	IFT74	26947037	rs10967646	9	26991912	G	A	0.0457256	0.0177832	0.0134869	0.187317	1.52144	0.246251	6.47E-10	0.0116884	0.00906418	0.1972191	0.962855	5	0.70535632
ENSG00000120162	9	MOB3B	27325207	rs1929169	9	27355998	T	C	0.412525	-0.013078	0.00836041	0.117753	0.28018	0.0513719	4.93E-08	-0.0466771	0.0310425	0.132671	0.2875439	6	0.6915125
ENSG00000241043	9	GVQW1	32566787	rs7034138	9	32507981	C	T	0.487078	0.00223327	0.00824151	0.786408	-0.59883	0.0966688	5.84E-10	-0.0037294	0.0137758	0.7866069	0.3685043	10	0.94610551
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.28916	0.21089	9.78E-10	0.0238854	0.0126529	0.05905981	0.02724533	4	0.57562556
ENSG00000164978	9	NUDT2	34329504	rs10971957	9	34151463	T	C	0.590457	-0.0061091	0.0082792	0.460581	0.674397	0.0846304	1.60E-15	-0.0090587	0.012329	0.4624937	0.2966557	3	0.84448908
ENSG00000230074	9	RP11-195F19.9	34665662	rs1106069	9	34687033	T	C	0.196819	-0.0137621	0.0124192	0.267806	-0.849201	0.139432	1.13E-09	0.0162059	0.0148647	0.2756109	0.7735113	4	0.76072457
ENSG00000137103	9	TMEM8B	35814448	rs10738948	9	35833448	C	T	0.611332	-0.0127613	0.00813541	0.116738	-0.442004	0.0657577	1.80E-11	0.0288715	0.0189003	0.1266198	0.1762879	9	0.68584187
ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.09348	0.135373	6.61E-16	-0.0010386	0.00957872	0.9136547	0.1615317	6	0.97364622
ENSG00000225434	9	RP11-63P12.6	74920346	rs2310125	9	74916092	A	G	0.38668	0.00174625	0.00807946	0.828883	0.77696	0.140802	3.43E-08	0.00224754	0.0104068	0.829012	0.05191912	3	0.95499982
ENSG00000106733	9	NMRK1	77675489	rs11144225	9	77707300	T	A	0.368787	-0.0056692	0.00889688	0.523986	-1.11721	0.0963899	4.60E-31	0.00507444	0.00797551	0.5246119	0.2787419	17	0.84798393
ENSG00000214888	9	XXyac-YM21GA2.	90471930	rs512437	9	90537856	G	A	0.492048	0.00173772	0.00815072	0.831172	0.613792	0.100978	1.21E-09	0.00283112	0.0132875	0.8312745	0.4407234	11	0.95499982
ENSG00000234537	9	RP11-100G15.7	94894680	rs7023075	9	94882079	A	G	0.369781	-0.005276	0.00814303	0.517042	0.648559	0.111783	6.55E-09	-0.0081349	0.0126336	0.5196354	0.9115564	4	0.84798393
ENSG00000188312	9	CENPP	95087766	rs74698353	9	94963643	G	A	0.17495	-0.0105227	0.011672	0.367305	0.781057	0.121274	1.19E-10	-0.0134724	0.0150895	0.3719488	0.5797198	5	0.81220093
ENSG00000175611	9	LINC00476	98521513	rs591486	9	98650046	G	A	0.440358	0.0144771	0.00808156	0.0732335	0.834776	0.109883	3.03E-14	0.0173425	0.00994662	0.0812364	0.3333362	16	0.64593039
ENSG00000224848	9	RP11-535M15.1	99449338	rs10816667	9	99620270	T	A	0.131213	0.0158058	0.0116689	0.175569	-1.22353	0.204651	2.25E-09	-0.0129182	0.00977878	0.1864869	0.02705724	5	0.70535632
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.630791	0.0808759	6.22E-15	0.00141373	0.0128515	0.9124055	0.7620167	7	0.97364622
ENSG00000095383	9	TBC1D2	100961311	rs7036186	9	100985727	G	T	0.373757	-0.0052163	0.00836046	0.532673	0.529385	0.0822915	1.25E-10	-0.0098536	0.0158669	0.5345893	0.00228277	8	0.85022852
ENSG00000136824	9	SMC2	106856541	rs10820628	9	107007188	T	G	0.564612	0.00334364	0.00826704	0.685878	-0.555242	0.074999	1.33E-13	-0.006022	0.0149113	0.6863215	0.8146657	20	0.91359156
ENSG00000226334	9	RP11-217B7.2	107689834	rs1800977	9	107690450	A	G	0.373757	-0.0052229	0.00815702	0.521984	-0.833868	0.116567	8.46E-13	0.00626341	0.00982125	0.5236425	0.467368	20	0.84798393
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.466908	0.0793395	3.98E-09	-0.0020988	0.0190552	0.9122951	0.8928977	4	0.97364622
ENSG00000226752	9	PSMD5-AS1	123587106	rs4837796	9	123610288	T	C	0.584493	0.00915196	0.00815707	0.261877	-0.954207	0.0771247	3.69E-35	-0.0095912	0.00858361	0.2638312	0.6243052	20	0.7510678
ENSG00000056558	9	TRAF1	123664671	rs2900180	9	123706382	C	T	0.640159	0.012178	0.00811195	0.133294	0.470463	0.0642064	2.35E-13	0.0258851	0.0176007	0.1413744	0.5300963	16	0.69712322
ENSG00000197958	9	RPL12	130209953	rs7035039	9	130187473	C	G	0.634195	0.00762586	0.00860092	0.375276	0.301503	0.0425633	1.40E-12	0.0252928	0.0287494	0.3789848	0.1428764	9	0.81431231
ENSG00000228510	9	RP11-339B21.8	131206866	rs7872212	9	131198807	A	G	0.232604	-0.0037819	0.00938131	0.686852	-0.761997	0.117198	7.94E-11	0.00496316	0.0123351	0.6874193	0.8768797	10	0.91359156
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.35189	0.222848	1.31E-09	0.0100104	0.0109736	0.361648	0.02217119	8	0.80433194
ENSG00000130717	9	UCK1	134399188	rs10116598	9	134345023	C	G	0.384692	-0.0024359	0.00831468	0.769547	-0.398623	0.0727852	4.33E-08	0.00611089	0.0208883	0.7698659	0.2618144	7	0.93868929
ENSG00000165695	9	AK8	135600965	rs2771995	9	135716698	A	G	0.795229	-0.008421	0.0105596	0.425179	0.723062	0.114987	3.21E-10	-0.0116462	0.014721	0.4288669	0.2827648	18	0.84299369
ENSG00000148296	9	SURF6	136197552	rs2491	9	136197971	T	G	0.0656064	0.0299019	0.0156468	0.055999	1.09789	0.176788	5.29E-10	0.0272358	0.0149112	0.06777074	0.4693573	13	0.59137223
ENSG00000148290	9	SURF1	136218610	rs2073932	9	136305439	G	A	0.578529	-0.0069116	0.00843074	0.412326	0.610289	0.0941124	8.89E-11	-0.0113251	0.0139243	0.416027	0.4553424	17	0.83553249
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-1.06325	0.150342	1.53E-12	-0.0077068	0.0150019	0.6074453	0.2065917	5	0.8800263
ENSG00000130653	9	PNPLA7	140354404	rs10746563	9	140444078	C	T	0.447316	0.00739088	0.00829792	0.373095	0.463809	0.0714354	8.43E-11	0.0159352	0.0180584	0.3775464	0.01161096	16	0.81431231
ENSG00000107959	10	PITRM1	3179920	rs76088740	10	3193412	T	C	0.0447316	0.0123085	0.0179728	0.493445	-1.00112	0.162854	7.88E-10	-0.0122947	0.0180638	0.4961058	0.6903602	6	0.84798393
ENSG00000187134	10	AKR1C1	4934796	rs7908994	10	5008383	T	C	0.131213	-0.0044896	0.01198	0.707845	-0.991156	0.172147	8.53E-09	0.00452961	0.0121125	0.7084323	0.7246401	7	0.91378818
ENSG00000240291	10	RP11-499P20.2	18802044	rs2272274	10	18826974	C	T	0.370775	-0.0031703	0.00838733	0.705437	0.466704	0.082599	1.60E-08	-0.006793	0.0180116	0.7060632	0.08362012	9	0.91378818

ENSG00000120539	10	MASTL	27443753	rs10829208	10	27479322	C	T	0.596421	0.00519611	0.00847914	0.54	0.505843	0.0904561	2.24E-08	0.0102722	0.0168627	0.5424156	0.1374761	20	0.85267164
ENSG00000224597	10	PTCHD3P1	29698331	rs7906814	10	29759782	A	C	0.382704	-0.0127136	0.00806546	0.114955	0.765792	0.0975363	4.12E-15	-0.0166019	0.0107423	0.1222344	0.01546236	9	0.6858401
ENSG00000233200	10	RP11-324I22.2	35508822	rs4934745	10	35577610	T	C	0.341948	0.0012982	0.00888507	0.883834	0.82076	0.124514	4.35E-11	0.0015817	0.0108281	0.8838627	0.9824958	14	0.97364622
ENSG00000271335	10	RP11-324I22.4	35603480	rs2474528	10	35664456	G	A	0.360835	0.00153019	0.00876768	0.861452	0.507146	0.0771342	4.87E-11	0.00301726	0.0172944	0.8615002	0.9800921	14	0.97364622
ENSG00000215146	10	RP11-313J2.1	42827314	rs4281442	10	42771186	G	A	0.454274	0.0127583	0.00805397	0.11317	0.790269	0.0903817	2.26E-18	0.0161442	0.0103573	0.1190612	0.9431842	20	0.68251286
ENSG00000169826	10	CSGALNACT2	43633934	rs1270015	10	43698240	T	G	0.170974	0.00892233	0.0101671	0.38018	0.837928	0.0998678	4.85E-17	0.0106481	0.0121998	0.3827679	0.0618275	9	0.81431231
ENSG00000188611	10	ASAH2	51942538	rs9732483	10	52521538	G	A	0.750497	0.00179933	0.00851148	0.832575	0.538518	0.0920914	4.99E-09	0.00334126	0.0158157	0.8326826	0.5037063	7	0.95499982
ENSG00000183346	10	C10orf107	63422719	rs12781756	10	63438614	G	A	0.0854871	-0.0190748	0.0112918	0.0911696	1.11121	0.157193	1.56E-12	-0.0171658	0.0104478	0.1003827	0.7267315	6	0.65167364
ENSG00000108187	10	PBLD	70042417	rs10823157	10	69966901	C	G	0.7167	0.00612341	0.00860057	0.476479	-0.449369	0.0756615	2.86E-09	-0.0136267	0.0192762	0.4796187	0.5421848	8	0.84587273
ENSG00000138346	10	DNA2	70173821	rs12767790	10	70240115	A	G	0.136183	-0.0025931	0.0105121	0.805159	-0.768749	0.098442	5.76E-15	0.0033731	0.0136811	0.8052551	0.5015218	20	0.9509453
ENSG00000122912	10	SLC25A16	70237756	rs61187453	10	70304992	A	G	0.105368	-0.0085322	0.0116673	0.464602	0.575951	0.101709	1.49E-08	-0.014814	0.0204257	0.4682891	0.3468953	9	0.84448908
ENSG00000156574	10	NODAL	72192071	rs35254012	10	72155879	G	T	0.199801	-0.0243524	0.00987908	0.0136997	0.666954	0.108919	9.16E-10	-0.0365129	0.0159674	0.0222126	0.5866656	9	0.49328842
ENSG00000166321	10	NUDT13	74870217	rs12258130	10	75005420	C	T	0.0646123	-0.0055822	0.0186694	0.764938	-0.826284	0.150031	3.64E-08	0.00675579	0.0226277	0.7652735	0.9801509	5	0.9359404
ENSG00000244733	10	RP11-506M13.3	81420647	rs1713298	10	81419599	G	A	0.271372	0.00553788	0.00877324	0.527894	-0.629572	0.115197	4.62E-08	-0.0087963	0.0140279	0.5306229	0.9832325	18	0.84970414
ENSG00000188199	10	NUTM2B	81462983	rs10885307	10	81577614	T	G	0.587475	-0.0046379	0.00823715	0.573406	0.725563	0.12628	9.16E-09	-0.0063921	0.0114072	0.5752355	0.7811909	20	0.86027764
ENSG00000225484	10	RP11-773D16.1	81563813	rs2782002	10	81537176	T	A	0.202783	-0.0028263	0.0116747	0.808712	-0.856702	0.152425	1.90E-08	0.00329905	0.0136401	0.8088861	0.2504102	9	0.95126474
ENSG00000228570	10	NUTM2E	81601114	rs1834878	10	81432400	C	T	0.202783	0.00692852	0.00892507	0.437572	0.949919	0.128969	1.76E-13	0.0072938	0.00944765	0.4401011	0.935613	20	0.84448908
ENSG00000133661	10	SFTPD	81697496	rs2758549	10	81728870	A	G	0.422465	0.0155647	0.00813613	0.055743	0.573121	0.10282	2.49E-08	0.0271578	0.015009	0.07038348	0.9874661	7	0.60060028
ENSG00000122359	10	ANXA11	81910645	rs9645553	10	81949685	C	T	0.238569	0.0100429	0.00965817	0.298416	-0.544624	0.0957205	1.27E-08	-0.0184401	0.0180274	0.3063586	0.9672667	4	0.77119938
ENSG00000148604	10	RGR	86004809	rs2279228	10	86004736	G	A	0.491054	0.00276043	0.0080484	0.731616	0.581342	0.0963563	1.61E-09	0.00474838	0.0138669	0.7320304	0.90593	3	0.92405924
ENSG00000184923	10	NUTM2A	88985205	rs2434109	10	89097057	C	T	0.813121	-0.007113	0.0106851	0.505607	0.888213	0.132031	1.73E-11	-0.0080082	0.0120886	0.5076772	0.8753519	4	0.84798393
ENSG00000232229	10	LINC00865	91589267	rs17128178	10	91610570	G	T	0.134195	-0.0072896	0.0112062	0.515372	1.05367	0.110192	1.15E-21	-0.0069183	0.01066	0.5163432	0.8787499	20	0.84798393
ENSG00000228701	10	TNKS2-AS1	93542596	rs7918126	10	93478964	C	G	0.583499	-0.0002283	0.00875558	0.9792	-0.821773	0.100882	3.76E-16	0.00027778	0.0106546	0.9792002	0.7995779	10	0.99158469
ENSG00000148690	10	FRA10AC1	95427640	rs7909452	10	95467509	C	T	0.593439	0.0143573	0.00831018	0.0840466	-0.689309	0.103193	2.39E-11	-0.0208285	0.0124525	0.09439905	0.4911886	8	0.64784719
ENSG00000119943	10	PYROXD2	100143322	rs8181292	10	100175477	G	A	0.235586	-0.0062664	0.00952952	0.510808	0.760398	0.0904136	4.09E-17	-0.008241	0.0125705	0.5120957	0.9505618	14	0.84798393
ENSG00000095485	10	CWF19L1	101992055	rs34027394	10	101983816	A	G	0.427435	-0.0058891	0.00853016	0.489954	0.753851	0.107457	2.29E-12	-0.007812	0.0113701	0.4920429	0.03503004	17	0.84798393
ENSG00000196072	10	BLOC1S2	102033713	rs6584357	10	102050344	T	A	0.0576541	0.00385282	0.017285	0.823614	-0.861341	0.0925035	1.26E-20	-0.0044731	0.0200733	0.8236633	0.01987473	12	0.95489157
ENSG00000075290	10	WNT8B	102222798	rs11190520	10	102175309	C	T	0.213718	0.0252233	0.00955644	0.0083052	1.15238	0.16934	1.01E-11	0.021888	0.00889469	0.013863	0.1037087	5	0.42368761
ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.490672	0.08589	1.11E-08	0.007652	0.0200702	0.7030092	0.1644433	4	0.91378818
ENSG00000214435	10	AS3MT	104629273	rs7085104	10	104628873	G	A	0.349901	-0.0166793	0.00860744	0.0526502	-0.743313	0.104233	9.95E-13	0.0224391	0.0119997	0.06148805	0.2474495	20	0.57706239
ENSG00000065621	10	GSTO2	106028631	rs276203	10	106039303	G	A	0.366799	-0.0129619	0.00868259	0.135472	-0.719289	0.103779	4.18E-12	0.0180204	0.0123479	0.1444572	0.04314345	6	0.69712322
ENSG00000165806	10	CASP7	115438942	rs7918733	10	115439394	T	C	0.39662	0.00469551	0.00841353	0.576782	0.495427	0.070668	2.37E-12	0.0094777	0.0170361	0.577985	0.503287	7	0.86095929
ENSG00000165650	10	PDZD8	119040000	rs363230	10	119029515	T	C	0.5	0.00710655	0.00806352	0.378144	0.371182	0.067101	3.17E-08	0.0191457	0.0219979	0.3841124	0.1087593	6	0.81431231
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.853116	0.0855442	2.00E-23	0.0130085	0.00964806	0.1775595	0.6484228	13	0.70535632
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-0.951881	0.0971692	1.17E-22	-0.0031723	0.00882534	0.7192588	0.2991736	14	0.92092731
ENSG00000107902	10	LHPP	126150403	rs2362510	10	126292255	G	A	0.574553	0.00476693	0.00826856	0.564269	-0.312341	0.0510789	9.66E-10	-0.0152619	0.0265903	0.5659898	0.7666391	14	0.85762834
ENSG00000203791	10	METTL10	126436718	rs11815605	10	126475032	G	C	0.280318	0.00868618	0.00878439	0.322751	0.496671	0.0904695	4.02E-08	0.0174888	0.0179711	0.3304735	0.7712296	3	0.78593797
ENSG00000188690	10	UROS	127477146	rs10751532	10	127474707	T	C	0.444334	0.021254	0.00813939	0.00902132	-0.47217	0.0668622	1.64E-12	-0.0450134	0.018379	0.01431828	0.9782531	18	0.42368761
ENSG00000170430	10	MGMT	131265448	rs10741191	10	131307276	G	C	0.581511	-0.0059714	0.00808864	0.460363	0.647017	0.0840039	1.34E-14	-0.0092292	0.0125587	0.4624112	0.7136515	20	0.84448908
ENSG00000188385	10	JAKMIP3	133918175	rs11592585	10	133955427	G	A	0.341948	0.00114395	0.00836815	0.891265	0.523873	0.0665971	3.65E-15	0.00218364	0.015976	0.891282	0.06453544	9	0.97364622
ENSG00000148824	10	MTG1	135207598	rs2297031	10	135232654	T	C	0.222664	-0.0004777	0.010111	0.962318	0.714265	0.105512	1.29E-11	-0.0006688	0.0141562	0.9623187	0.5129736	6	0.98929041
ENSG00000185627	11	PSMD13	236546	rs7482591	11	245861	C	G	0.729622	-0.0042491	0.00944197	0.652693	-0.402871	0.0644568	4.10E-10	0.0105471	0.0234974	0.6535307	0.3561751	13	0.90113705
ENSG00000142102	11	ATHL1	289135	rs1060819	11	295527	C	T	0.747515	-0.0131952	0.00907825	0.146085	0.615453	0.0893101	5.53E-12	-0.0214398	0.0150751	0.1549668	0.02045165	12	0.70289247
ENSG00000251661	11	RP11-326C3.11	318640	rs11246067	11	326564	T	A	0.417495	0.00697197	0.00808765	0.388659	-0.510864	0.0882625	7.12E-09	-0.0136474	0.0160059	0.3938554	0.6260295	7	0.81787498
ENSG00000142089	11	IFITM3	319669	rs6421983	11	320394	T	C	0.451292	0.00676262	0.00813634	0.405881	-0.316599	0.0579195	4.60E-08	-0.0213602	0.0259946	0.4112378	0.497545	4	0.8316384
ENSG00000255328	11	RP11-326C3.12	327171	rs34481144	11	320836	T	C	0.462227	0.00717489	0.00813614	0.377856	0.869571	0.097099	3.38E-19	0.00825107	0.00940175	0.3801556	0.8878578	19	0.81431231
ENSG00000270972	11	RP11-326C3.15	333192	rs34702437	11	332798	G	C	0.405567	0.00836577	0.00807893	0.300434	0.616964	0.10781	1.05E-08	0.0135596	0.0133073	0.3082229	0.5120937	7	0.77119938
ENSG00000177042	11	TMEM80	695428	rs10794333	11	693787	G	A	0.574553	0.00267391	0.00808863	0.740966	-0.828342	0.102405	6.02E-16	-0.003228	0.00977299	0.7411728	0.4640569	20	0.92405924
ENSG00000255284	11	AP006621.5	777578	rs4963156	11	780827	T	C	0.440358	-0.000728	0.0080981	0.928369	0.598381	0.0888857	1.67E-11	-0.0012166	0.0135346	0.9283756	0.2579879	9	0.9787673
ENSG00000177697	11	CD151	832843	rs12577801	11	835877	T	C	0.654076	-0.0109794	0.00899881	0.222431	0.766752	0.0961589	1.54E-15	-0.0143194	0.0118729	0.2277953	0.1768423	11	0.7354359
ENSG00000233930	11	KRTAP5-AS1	1592583	rs7116204	11	1612011	A	G	0.545726	-0.0076842	0.00831116	0.355196	-0.513263	0.0666274	1.32E-14	0.0149712	0.016309	0.3586344	0.6385654	19	0.80107257
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.941821	0.121393	8.60E-15	-0.0005408	0.0115869	0.9627719	0.7317853	3	0.98929041
ENSG00000183562	11	AC131971.1	3011093	rs56361961	11	2963823	A	G	0.110338	0.00435761	0.015235	0.774858	0.899654	0.147824	1.16E-09	0.00484365	0.016953	0.7750996	0.2479574	6	0.94315564
ENSG00000167325	11	RRM1	4115937	rs12806698	11	4115974	A	C	0.2833	0.00289706	0.00844048	0.731422	0.509306	0.0800511	1.99E-10	0.00568825	0.0165966	0.7317973	0.6270561	3	0.92405924
ENSG00000225101	11	OR52K3P	4496043	rs331503	11	4495028	A	G	0.309145	0.00893771	0.00836925	0.285556	-0.529005	0.0948388	2.43E-08	-0.0168953	0.0161081	0.2942369	0.7938697	5	0.76954774
ENSG00000254595	11	CTD-2010I16.1	6509416	rs11826421	11	6622857	A	G	0.478131	-0.0060181	0.00814067	0.45975	-0.721898	0.106157	1.04E-11	0.00833643	0.0113432	0.4623836	0.8958916	6	0.84448908
ENSG00000175390	11	EIF3F	7991798	rs12294650	11	8023690	A	G	0.156064	0.0105999	0.0111299	0.340907	0.46904	0.0800967	4.74E-09	0.0225991	0.0240409	0.3472024	0.323622	7	0.79763646
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	1.09559	0.125376	2.36E-18	0.0105814	0.00953711	0.2672147	0.4422129	10	0.7510678
ENSG00000133805	11	AMPD3	10329860	rs7111970	11	10471680	A	G	0.464215	-0.0088702	0.00813664	0.275647	0.569787	0.0830291	6.77E-12	-0.0155675	0.0144592	0.2816361	0.6565556	13	0.7613838
ENSG00000177112	11	MRVI1-AS1	10562819	rs12278433	11	10563823	T	C	0.0954274	0.00179857	0.0151155	0.905284	-1.24837	0.198421	3.14E-10	-0.0014407	0.0121104	0.9053014	0.7098411	4	0.97364622
ENSG00000072952	11	MRVI1	10594638	rs16908224	11	10736799	G	A	0.286282	0.0288789	0.00913207	0.00156498	-0.396312	0.0648995	1.02E-09	-0.0728691	0.0259491	0.00498268	0.3728784	4	0.26059763
ENSG00000006071	11	ABCC8	17414432	rs985136	11	17497794	G	C	0.486083	0.00201342	0.00865299	0.816006	0.570391	0.0755279	4.28E-14	0.00352989	0.0151775	0.8160918	0.3701091	3	0.95391633
ENSG00000166788	11	SAAL1	18091482	rs35447333	11	18085987	A	G	0.260437	0.00435954	0.0090029	0.628217	-0.820817	0.147031	2.37E-08	-0.0053112	0.0110094	0.6295035	0.6295499	9	0.88945142
ENSG00000166796	11	LDHC	18433854	rs4757652	11	18421237	T	C	0.115308	0.032138	0.0135833	0.0179813	1.40889	0.164208	9.49E-18	0.0228109	0.010001	0.02255672	0.614638	9	0.49328842
ENSG00000109854	11	HTATIP2	20385231	rs10437608	11	20385606	A	G	0.538767	0.0017171	0.00807793	0.831665	0.572126	0.0879523	7.77E-11	0.00300126	0.0141267	0.8317533	0.907584	3	0.95499982
ENSG00000171714	11	ANO5	22214722	rs7102678	11	22232365	T	C	0.795229	0.00894323	0.0102885	0.384714	-0.433384	0.0662044	5.90E-11	-0.0206358	0.0239483	0.3888627	0.4013431	9	0.81431231
ENSG00000149089	11	APIP	34874641	rs17363135	11	34966755	T	C	0.322068	0.00361321	0.00929819	0.697577	0.997529	0.0859633	3.93E-31	0.00362216	0.00932645	0.6977384	0.1146662	20	0.91378818
ENSG00000149084	11	HSD17B12	43577986	rs6485474	11	43868043	A	G	0.67992	-0.0049627	0.00871516	0.569061	0.675929	0.0669043	5.36E-24	-0.0073421	0.0129141	0.5696739	0.1646924	16	0.86027764
ENSG00000110455	11	ACCS	44087475	rs2074038	11	44087989	T	G	0.120278	-0.0112831	0.0145612	0.438414	1.16363	0.16728	3.50E-12	-0.0096965	0.012591	0.441234	0.3408536	12	0.84448908
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	1.05133	0.137288	1.89E-14	-0.007301	0.0103739	0.4815673	0.451111	11	0.84587273
ENSG00000134809	11	TIMM10	57295936	rs2729371	11	57321322	C	T	0.797217	0.00749654	0.0105169	0.475965	-0.649701	0.0909189	8.94E-13	-0.0115384	0.0162676	0.4781452	0.07536953	19	0.84587273
ENSG00000166928	11	MS4A14	60146003	rs60334615	11	60140165	A	G	0.272366	0.0172607	0.00871396	0.0476124	-0.480079	0.0736095	6.94E-11	-0.0359539	0.0189698	0.05804951	0.2848755	10	0.57562556
ENSG00000149743	11	TRPT1	63991271	rs11549691	11	63993287	T	C	0.0636183	0.00146154	0.0182843	0.93629	-0.762498	0.135461	1.81E-08	-0.0019168	0.0239819	0.936296	0.761391	6	0.98123167
ENSG00000173457	11	PPP1R14B	64011956	rs618160	11	64017417	G	A	0.362823	-0.0160376	0.00821396	0.0508815	-0.335692	0.0601897	2.44E-08	0.0477747	0.0259248	0.06535543	0.1410518	3	0.59137223
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-0.988056	0.104134	2.35E-21	0.0126409	0.0090608	0.1629802	0.1763298	9	0.70535632
ENSG00000245532	11	NEAT1	65190245	rs2904975	11	65173754	T	C	0.753479	-0.002129	0.0109258	0.845502	-0.741236	0.107029	4.34E-12	0.00287226	0.0147458	0.8455616	0.1087731	13	0.9653227
ENSG00000172803	11	SNX32	65601112	rs10791830	11	65661291	T	C	0.186879	0.00726147	0.0111667	0.515513	0.747534	0.1077	3.90E-12	0.0097139	0.0150035	0.5173448	0.7544512	10	0.84798393
ENSG00000255320	11	RP11-755F10.1	66012311	rs2155198	11	66014300	T	C	0.173956	-0.0295182	0.0105816	0.00527764	1.28561	0.144293	5.12E-19	-0.0229605	0.0086248	0.00776443	0.04899117	13	0.2914088
ENSG00000172613	11	RAD9A	67159176	rs61734601	11	67184725	A	G	0.0685885	0.0241226	0.0181297	0.183334	0.837179	0.152333	3.89E-08	0.0288141	0.0222814	0.1959435	0.04937954	4	0.70535632
ENSG00000084207	11	GSTP1	67351066	rs2370143	11	67351774	T	C	0.392644	0.00150434	0.0084909	0.859375	-0.369814	0.0568769	7.93E-11	-0.0040678	0.0229684	0.8594258	0.03311311	7	0.97364622
ENSG00000197345	11	MRPL21	68658744	rs636049	11	68667198	C	A	0.300199	-0.0081456	0.0083271	0.327976	-0.755634	0.0678283	7.98E-29	0.0107798	0.0110624	0.3298333	0.4337941	20	0.78593797
ENSG00000132740	11	IGHMBP2	68671310	rs7104487	11	68617987	G	A	0.311133	-0.0098153	0.00830526	0.23728	0.644236	0.0856856	5.54E-14	-0.0152355	0.0130499	0.2430174	0.6997755	19	0.74642061
ENSG00000254682	11	RP11-660L16.2	71159720	rs11233747	11	71171642	A	G	0.700795	0.00740373	0.00824541	0.369227	0.858084	0.092804	2.33E-20	0.00862821	0.0096543	0.3714733	0.4239941	13	0.81220093
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.26831	0.115218	3.50E-28	0.00074467	0.00675152	0.912174	0.2073741	20	0.97364622
ENSG00000241170	11	RP11-147I3.1	74587331	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	-0.832954	0.109161	2.34E-14	-0.0011339	0.0102809	0.9121787	0.3537488	16	0.97364622
ENSG00000159063	11	ALG8	77811982	rs11237372	11	77771253	A	G	0.451292	0.0142408	0.00807605	0.0778431	0.616992	0.10784	1.06E-08	0.023081	0.013697	0.0919655	0.1149911	10	0.64593039
ENSG00000246174	11	KCTD21-AS1	77850817	rs10793288	11	77846757	A	G	0.45825	0.0139708	0.00807144	0.0834718	-0.745645	0.101105	1.64E-13	-0.0187365	0.0111189	0.09196844	0.4155772	8	0.64593039
ENSG00000188997	11	KCTD21	77882295	rs2156785	11	77850824	T	C	0.463221	0.0143622	0.00807429	0.0752801	0.474715	0.0668149	1.20E-12	0.0302544	0.0175336	0.08443678	0.08805916	13	0.64593039
ENSG00000182919	11	C11orf54	93474757	rs602242	11	93490219	C	G	0.634195	0.00393727	0.00845055	0.641273	-0.601644	0.0846652	1.19E-12	-0.0065442	0.0140759	0.6419884	0.1744746	6	0.89863411
ENSG00000020922	11	MRE11A	94152895	rs1257769	11	94153925	A	G	0.349901	-0.010866	0.00836324	0.193855	0.591263	0.0813478	3.64E-13	-0.0183776	0.0143689	0.2009028	0.7021773	19	0.70535632
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	0.856813	0.107905	2.01E-15	0.0128456	0.0142913	0.3687379	0.9158044	8	0.81190142
ENSG00000204381	11	LAYN	111411005	rs542275	11	111431614	T	C	0.592445	0.0095849	0.00868478	0.269748	0.47666	0.0811798	4.31E-09	0.0201085	0.0185391	0.2780768	0.5342729	9	0.76072457
ENSG00000149292	11	TTC12	113185251	rs4370966	11	113231691	A	G	0.460239	-0.0174799	0.00811873	0.0313163	-0.902135	0.103145	2.20E-18	0.0193761	0.00926812	0.03656192	0.2803133	18	0.55196399
ENSG00000166682	11	TMPRSS5	113558272	rs7114297	11	113591402	A	G	0.302187	0.00285356	0.00860488	0.740176	0.99268	0.110932	3.60E-19	0.0028746	0.00867428	0.7403472	0.3921097	11	0.92405924
ENSG00000254851	11	RP11-109L13.1	117006244	rs236910	11	117081974	G	A	0.263419	-0.0068734	0.00884573	0.437139	0.944539	0.121889	9.25E-15	-0.007277	0.00941209	0.4394305	0.6815582	20	0.84448908
ENSG00000255274	11	TMPRSS4-AS1	117886487	rs948460	11	117960018	T	A	0.27833	0.00325663	0.00874631	0.709637	0.886753	0.112264	2.81E-15	0.00367253	0.00987425	0.7099447	0.513725	14	0.91378818
ENSG00000196655	11	TRAPPC4	118889142	rs7131534	11	118886656	A	G	0.229622	-0.0047362	0.00952567	0.619045	0.770744	0.0838466	3.84E-20	-0.006145	0.0123771	0.6195571	0.06775717	14	0.8877792
ENSG00000160695	11	VPS11	118938403	rs1799992	11	118957246	C	T	0.356859	-0.0077018	0.00879878	0.381398	-0.428615	0.0664722	1.13E-10	0.017969	0.0207167	0.3857404	0.1909668	9	0.81431231
ENSG00000110395	11	CBL	119076752	rs12273368	11	119089742	C	T	0.32505	0.00770375	0.00878449	0.380502	-0.469936	0.0841499	2.34E-08	-0.0163932	0.018922	0.3862958	0.456918	3	0.81431231
ENSG00000154114	11	TBCEL	120894781	rs2000526	11	120905771	C	T	0.181909	0.00871047	0.0108219	0.420882	-0.479539	0.0834902	9.27E-09	-0.0181643	0.0227878	0.4253906	0.5249698	4	0.84203784
ENSG00000255219	11	RP11-716H6.2	122165898	rs526084	11	122186263	T	A	0.527833	-0.0314685	0.00815469	0.00011388	0.662249	0.108109	9.03E-10	-0.0475176	0.0145532	0.0010943	0.9312392	6	0.18775096
ENSG00000245498	11	RP11-677M14.7	124670346	rs490461	11	124680922	A	G	0.366799	-0.0048443	0.00879282	0.581678	0.538068	0.0895357	1.86E-09	-0.0090031	0.01641	0.5832566	0.05781846	3	0.86329121
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.887368	0.104834	2.57E-17	-0.0052919	0.00990212	0.5930481	0.1832698	6	0.86872382
ENSG00000109832	11	DDX25	125773271	rs79013855	11	125773418	G	C	0.256461	0.0032216	0.00951011	0.734795	0.383285	0.0587228	6.71E-11	0.00840523	0.0248455	0.7351372	0.4160995	5	0.92405924
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.704287	0.0846165	8.56E-17	0.0033725	0.0114937	0.7691991	0.231416	20	0.93868929
ENSG00000251226	11	RP11-469N6.1	134605490	rs7121326	11	134645637	G	A	0.40159	-0.0153619	0.00866129	0.0761255	0.786086	0.12763	7.32E-10	-0.0195423	0.011466	0.08831258	0.4593085	14	0.64593039
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.754536	0.11722	1.22E-10	-0.0209708	0.0143897	0.1450205	0.9046427	11	0.69712322
ENSG00000111254	12	AKAP3	4724674	rs979877	12	4757896	C	T	0.522863	-0.0023352	0.00829202	0.778235	0.674355	0.0926257	3.33E-13	-0.0034629	0.0123054	0.7783971	0.697625	7	0.9432469
ENSG00000111321	12	LTBR	6484211	rs10744706	12	6503218	G	T	0.727634	-0.0153611	0.00935487	0.100581	-0.470111	0.070318	2.30E-11	0.0326755	0.0204907	0.1107909	0.8774142	7	0.67543082
ENSG00000139192	12	TAPBPL	6560856	rs2534709	12	6568572	C	T	0.305169	0.00140302	0.00889568	0.874678	0.513792	0.0862118	2.53E-09	0.00273072	0.0173198	0.8747215	0.289769	6	0.97364622
ENSG00000111664	12	GNB3	6949118	rs10744717	12	6941654	C	T	0.542744	0.00809278	0.00806517	0.315656	-0.437672	0.0770061	1.32E-08	-0.0184905	0.0187124	0.3230832	0.3854364	4	0.77760105
ENSG00000111671	12	SPSB2	6980099	rs7312645	12	7012189	G	A	0.298211	-0.0047273	0.00939786	0.614953	0.965588	0.103215	8.35E-21	-0.0048958	0.00974684	0.6154628	0.6639294	12	0.88605361
ENSG00000240370	12	RPL13P5	6982553	rs2071065	12	6977069	C	T	0.298211	0.00022517	0.0092473	0.980574	0.646798	0.114832	1.78E-08	0.00034813	0.0142972	0.9805738	0.5053699	6	0.99213912
ENSG00000248593	12	DSTNP2	6993846	rs7134129	12	6998158	C	G	0.289264	-0.0039049	0.00941736	0.6784	0.577217	0.0989136	5.36E-09	-0.006765	0.0163562	0.6791632	0.5917112	6	0.91222619
ENSG00000139197	12	PEX5	7341281	rs4512930	12	7364623	A	G	0.513917	-0.0029283	0.00812731	0.71862	0.747434	0.0789338	2.82E-21	-0.0039178	0.0108815	0.7188139	0.3789402	13	0.92092731
ENSG00000164845	12	FAM86FP	8385108	rs9669180	12	8397550	A	C	0.214712	-0.0039967	0.0099731	0.688603	0.989161	0.147423	1.95E-11	-0.0040405	0.0101004	0.6891284	0.1048961	8	0.91359156
ENSG00000111788	12	RP11-22B23.1	9429831	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-1.0649	0.0953121	5.54E-29	0.00324009	0.00760942	0.6702541	0.19805	20	0.90650357
ENSG00000184293	12	CLECL1	9868456	rs10492165	12	9885961	G	A	0.496024	0.00844943	0.00808416	0.295938	-0.695185	0.102314	1.09E-11	-0.0121542	0.0117656	0.3015884	0.2131202	9	0.77119938
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.61947	0.208782	8.71E-15	-0.0085616	0.0117874	0.467636	0.7487578	10	0.84448908
ENSG00000183542	12	KLRC4	10559983	rs12811048	12	10631515	A	C	0.153082	-0.0063352	0.0121718	0.602727	0.987676	0.147067	1.87E-11	-0.0064143	0.0123606	0.6038109	0.00433843	5	0.87783106
ENSG00000205810	12	KLRC3	10564911	rs2734424	12	10581595	C	G	0.831014	-0.0084337	0.0110573	0.44563	-0.859136	0.156886	4.35E-08	0.00981643	0.0129945	0.4499909	0.00574685	3	0.84448908
ENSG00000205809	12	KLRC2	10579453	rs2734424	12	10581595	C	G	0.831014	-0.0084337	0.0110573	0.44563	-1.27036	0.171018	1.10E-13	0.00663879	0.00874983	0.4480122	0.01645316	9	0.84448908
ENSG00000134545	12	KLRC1	10594863	rs10845150	12	10653211	C	G	0.823062	0.0205384	0.0122025	0.0923507	-1.03431	0.175106	3.49E-09	-0.0198571	0.0122673	0.1055125	0.8252127	7	0.66644936
ENSG00000231887	12	PRH1	11033610	rs67955183	12	11348726	T	C	0.653082	-0.0080878	0.00850331	0.341539	-0.660583	0.108286	1.06E-09	0.0122434	0.013028	0.3473327	0.3030613	15	0.79763646
ENSG00000256274	12	TAS2R64P	11229368	rs71453440	12	11346176	A	C	0.361829	0.00094947	0.00867327	0.912829	1.192	0.133439	4.15E-19	0.00079654	0.00727678	0.9128354	0.5492808	11	0.97364622
ENSG00000247157	12	RP11-434C1.1	11700964	rs10772397	12	11138683	T	C	0.657058	-0.009542	0.00840476	0.256248	-0.639033	0.102261	4.13E-10	0.0149319	0.0133676	0.263986	0.9787497	7	0.7510678
ENSG00000182993	12	C12orf60	14956506	rs3177269	12	14956331	T	C	0.452286	0.00518283	0.00813975	0.5243	-0.710103	0.115896	8.95E-10	-0.0072987	0.0115245	0.5265245	0.9699266	7	0.84798393
ENSG00000121350	12	PYROXD1	21590549	rs12831608	12	21619631	C	A	0.44831	0.00821749	0.00810412	0.310588	-0.355932	0.0645798	3.56E-08	-0.0230872	0.0231509	0.318642	0.5097034	7	0.77743769
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.29259	0.224857	9.00E-09	-0.010492	0.0106392	0.3240491	0.2706619	3	0.77825829
ENSG00000247934	12	RP11-967K21.1	28316231	rs12368149	12	28321558	A	G	0.574553	0.00715014	0.00810295	0.377554	-0.583739	0.0978934	2.48E-09	-0.0122489	0.0140323	0.3827143	0.3779834	16	0.81431231
ENSG00000257176	12	RP11-996F15.2	29433351	rs966541	12	29491528	G	A	0.284294	0.00613617	0.00887294	0.489213	0.671034	0.111991	2.07E-09	0.00914435	0.0133106	0.4920831	0.9994175	4	0.84798393
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	0.992924	0.136943	4.15E-13	0.0076717	0.01302	0.5557107	0.4403574	6	0.85420721
ENSG00000013573	12	DDX11	31226779	rs1053552	12	31264770	G	A	0.439364	-0.0106995	0.00813681	0.188525	-1.06019	0.078298	9.02E-42	0.0100921	0.00771097	0.1906044	0.9915554	20	0.70535632
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.736724	0.103973	1.38E-12	-0.0141459	0.0124894	0.2573697	0.8870108	4	0.7510678
ENSG00000258181	12	RP11-493L12.4	47641907	rs712097	12	47651670	T	C	0.301193	-0.0020922	0.00923986	0.82087	0.635156	0.110682	9.55E-09	-0.0032939	0.0145587	0.8210066	0.1043072	3	0.95489157
ENSG00000079337	12	RAPGEF3	48128455	rs12422983	12	48142636	T	C	0.145129	-0.0098517	0.0118811	0.406998	0.739662	0.111711	3.56E-11	-0.0133191	0.0161883	0.410644	0.5791119	11	0.8316384
ENSG00000240399	12	RP1-228P16.1	48448596	rs61918810	12	48494334	T	C	0.217694	0.0420792	0.0116091	0.00028933	-0.86611	0.135265	1.52E-10	-0.0485841	0.0154023	0.00160864	0.3392747	19	0.19013442
ENSG00000139624	12	CERS5	50523575	rs7964698	12	50507179	T	C	0.332008	-0.0021452	0.00886263	0.808738	-0.610468	0.0872435	2.61E-12	0.00351409	0.0145264	0.80885	0.9935585	19	0.95126474
ENSG00000139629	12	GALNT6	51745031	rs3782473	12	51756269	C	T	0.281312	-0.0038831	0.0085967	0.65149	-0.555175	0.0710746	5.67E-15	0.00699432	0.0155105	0.652033	0.07808309	3	0.90069533
ENSG00000205426	12	KRT81	52679697	rs2852459	12	52711776	A	G	0.410537	0.012207	0.00844394	0.148275	0.647205	0.103915	4.72E-10	0.0188611	0.0133936	0.1590675	0.1512394	11	0.70535632
ENSG00000111077	12	TENC1	53440753	rs12369033	12	53442956	C	G	0.723658	-0.0175463	0.00885949	0.0476464	0.492065	0.0816789	1.70E-09	-0.0356585	0.0189527	0.05991107	0.5383222	8	0.57562556
ENSG00000135390	12	ATP5G2	54026510	rs12818213	12	54072007	G	A	0.306163	0.0120044	0.00937359	0.200313	0.507875	0.0824257	7.20E-10	0.0236365	0.0188509	0.2098911	0.08173874	3	0.70896241
ENSG00000257534	12	RP11-834C11.10	54555849	rs4759345	12	54583204	T	C	0.591451	0.00125897	0.00860463	0.883674	0.618007	0.109188	1.51E-08	0.00203715	0.0139278	0.8837128	0.5135763	16	0.97364622
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.06642	0.0853644	8.20E-36	0.0187449	0.0078014	0.01627205	0.7147681	15	0.44055108
ENSG00000257303	12	RP11-977G19.11	56693926	rs11575234	12	56744276	G	C	0.0685885	-0.005343	0.0177168	0.762974	-0.704047	0.103637	1.10E-11	0.00758895	0.025189	0.7632008	0.7600945	12	0.93553219
ENSG00000123427	12	METTL21B	58165275	rs10431552	12	58178148	A	G	0.319085	-0.0215716	0.008472	0.0108896	0.715562	0.114661	4.36E-10	-0.0301464	0.0127872	0.01839615	0.5184697	17	0.47008034
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.681831	0.10864	3.47E-10	0.0434467	0.0143604	0.00248271	0.6223987	4	0.19013442
ENSG00000239335	12	RP11-745O10.2	66524531	rs1370126	12	66546892	G	A	0.435388	0.0130862	0.00806503	0.104679	-1.05404	0.103606	2.60E-24	-0.0124153	0.00774825	0.1090818	0.06160379	11	0.67183201
ENSG00000175782	12	SLC35E3	69139886	rs1690916	12	69235406	A	G	0.412525	0.00137145	0.00811159	0.865739	-0.418077	0.0737984	1.47E-08	-0.0032804	0.0194108	0.8657985	0.7754684	9	0.97364622
ENSG00000166268	12	MYRFL	70219084	rs201437318	12	70169170	C	T	0.0616302	0.00855558	0.0148793	0.565291	1.84703	0.229067	7.43E-16	0.00463207	0.00807625	0.5662775	0.2022891	7	0.85762834
ENSG00000257139	12	RP11-320P7.2	70574118	rs10879100	12	70561191	A	G	0.681909	0.00208602	0.00876035	0.811787	-0.813424	0.107525	3.88E-14	-0.0025645	0.0107751	0.811879	0.9850554	9	0.95314436
ENSG00000236333	12	TRHDE-AS1	72647288	rs12820527	12	72740619	T	C	0.0815109	0.00095254	0.0170474	0.955441	1.17858	0.17662	2.51E-11	0.00080821	0.0144649	0.955442	0.2907426	3	0.98929041

ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-0.939327	0.0718377	4.53E-39	-0.0040432	0.00894474	0.6512534	0.2980463	20	0.90069533
ENSG00000257497	12	RP11-585P4.5	75877904	rs11180548	12	75880006	G	A	0.377734	0.00367966	0.00843417	0.662633	-0.481784	0.0881921	4.68E-08	-0.0076376	0.0175619	0.6636384	0.6123236	5	0.90650357
ENSG00000257431	12	RP11-263K4.3	82906456	rs73155429	12	82893894	C	T	0.12326	-0.0181246	0.0159566	0.256011	0.743214	0.135006	3.69E-08	-0.0243868	0.021922	0.265951	0.5609686	6	0.7510678
ENSG00000111666	12	CHPT1	102090725	rs7970837	12	102081576	G	A	0.609344	0.0181036	0.00811906	0.0257626	0.363912	0.0526377	4.73E-12	0.0497472	0.0234422	0.03382739	0.02564456	5	0.55196399
ENSG00000139433	12	GLTP	110288748	rs2193534	12	110297222	A	G	0.450298	0.00920525	0.00812479	0.257221	-0.253176	0.0439228	8.21E-09	-0.0363591	0.0327055	0.2662624	0.06120657	9	0.7510678
ENSG00000257218	12	GATC	120884241	rs1167724	12	120969477	G	A	0.348907	-0.0079817	0.00879655	0.364213	-0.787007	0.0872105	1.81E-19	0.0101418	0.0112336	0.3666241	0.1460393	20	0.81190142
ENSG00000175970	12	UNC119B	121148238	rs2066938	12	121160615	G	A	0.263419	0.0215985	0.00926951	0.019803	0.349379	0.0593764	4.00E-09	0.0618197	0.0285358	0.03028155	0.3081624	7	0.52707452
ENSG00000158023	12	WDR66	122355768	rs10743187	12	122362432	A	G	0.563618	-0.0050098	0.00810154	0.53633	-0.674489	0.121209	2.63E-08	0.0074275	0.0120853	0.5388258	0.4376948	7	0.85148656
ENSG00000168778	12	TCTN2	124155660	rs2707	12	124105638	A	G	0.0437376	-0.0055595	0.0197067	0.777856	-0.738575	0.125806	4.34E-09	0.00752737	0.0267128	0.7781057	0.4151757	3	0.9432469
ENSG00000250208	12	FZD10-AS1	130634894	rs61939311	12	130530880	G	A	0.11829	0.00833957	0.0119316	0.484584	-0.780918	0.124378	3.42E-10	-0.0106792	0.0153733	0.4872702	0.2334701	18	0.84798393
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.691003	0.125222	3.42E-08	-0.0048192	0.0117898	0.6827149	0.5912452	5	0.9126721
ENSG00000185684	12	EP400NL	132568828	rs61942869	12	132593606	A	G	0.136183	0.0132556	0.00959571	0.167154	-0.695438	0.114303	1.17E-09	-0.0190608	0.0141493	0.177941	0.2214015	5	0.70535632
ENSG00000185163	12	DDX51	132621139	rs10128885	12	132621754	A	G	0.122266	-0.0069374	0.0119182	0.560512	0.542298	0.0952546	1.25E-08	-0.0127925	0.0220918	0.562547	0.02991734	13	0.85486451
ENSG00000256576	12	RP13-977J11.2	132671287	rs7979306	12	132672819	T	C	0.156064	-0.0076222	0.0101529	0.452808	0.717673	0.121934	3.96E-09	-0.0106208	0.0142616	0.4564462	0.0584308	6	0.84448908
ENSG00000253771	13	TPTE2P1	25498815	rs12862994	13	25530088	C	T	0.132207	-0.0017468	0.0123256	0.887302	1.00565	0.183556	4.28E-08	-0.001737	0.0122605	0.8873395	0.8756167	5	0.97364622
ENSG00000120669	13	SOHLH2	36742345	rs9531684	13	36836802	A	G	0.470179	0.0153024	0.00822013	0.0626628	0.827879	0.0931031	6.00E-19	0.0184839	0.0101444	0.06844358	0.8710738	20	0.59137223
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-0.652026	0.0671558	2.76E-22	-0.0022347	0.0146407	0.8786867	0.3618096	12	0.97364622
ENSG00000227258	13	SMIM2-AS1	44716682	rs9567377	13	44720217	T	G	0.142147	0.0028649	0.0123036	0.815877	1.09931	0.143105	1.57E-14	0.00260609	0.0111973	0.8159605	0.5504606	12	0.95391633
ENSG00000235903	13	CPB2-AS1	46626941	rs17600984	13	46675714	A	C	0.261431	0.00027308	0.00886137	0.975416	1.29149	0.11348	5.21E-30	0.00021145	0.00686138	0.9754156	0.1158056	18	0.99158469
ENSG00000123179	13	EBPL	50234859	rs7983905	13	50266544	G	A	0.550696	0.00538524	0.00811773	0.507079	-0.497606	0.0840916	3.27E-09	-0.0108223	0.0164158	0.5097273	0.4729339	5	0.84798393
ENSG00000237152	13	DLEU7-AS1	51381992	rs2761843	13	51293037	C	T	0.166998	-0.0124439	0.0106786	0.243892	-0.967045	0.118458	3.25E-16	0.012868	0.0111544	0.2486567	0.309045	15	0.74642061
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.689769	0.0845874	3.51E-16	-0.0054757	0.0119122	0.6457508	0.3957752	11	0.90069533
ENSG00000136108	13	CKAP2	53029564	rs56033750	13	52747278	C	A	0.607356	-0.0160484	0.00818488	0.0499091	-0.50722	0.0737136	5.95E-12	0.0316399	0.0167791	0.05933869	0.06542288	20	0.57562556
ENSG00000261105	13	RP11-173B14.5	76178836	rs7995740	13	76227427	C	T	0.55666	0.00544873	0.00811657	0.502023	-0.750744	0.108507	4.55E-12	-0.0072578	0.0108621	0.504024	0.2421973	5	0.84798393
ENSG00000229865	13	RPL31P54	78996958	rs4884091	13	78973223	A	G	0.191849	0.0242362	0.0101864	0.0173472	-0.732784	0.130829	2.13E-08	-0.0330741	0.0151032	0.02853274	0.156295	9	0.51146001
ENSG00000152749	13	GPR180	95254157	rs3897473	13	95253920	G	T	0.642147	-0.0183691	0.00842349	0.0292052	0.506227	0.0831438	1.14E-09	-0.0362863	0.0176748	0.04007335	0.2544241	5	0.55549964
ENSG00000165621	13	OXGR1	97637973	rs7323942	13	97646229	G	A	0.602386	-0.0049475	0.00833428	0.552758	-0.685302	0.122868	2.44E-08	0.00721944	0.0122302	0.5549905	0.1668625	7	0.85420721
ENSG00000272143	13	FGF14-AS2	103046980	rs7993790	13	103048175	G	C	0.251491	-0.011929	0.0105386	0.257664	-0.532744	0.0883854	1.67E-09	0.0223916	0.0201275	0.2659288	0.7414188	3	0.7510678
ENSG00000255874	13	LINC00346	111521578	rs2277424	13	111522420	T	C	0.127237	-0.0047811	0.0147372	0.745616	-0.777645	0.138144	1.81E-08	0.00614822	0.0189825	0.7460225	0.9347394	5	0.92588328
ENSG00000126217	13	MCF2L	113548692	rs9549650	13	113715787	C	A	0.807157	-0.0042585	0.00993248	0.668109	-0.748765	0.106183	1.77E-12	0.00568735	0.0132896	0.6686849	0.6254144	10	0.90650357
ENSG00000092094	14	OSGEP	20914570	rs1878703	14	20920749	G	C	0.633201	0.011937	0.00867994	0.169057	0.694814	0.088377	3.78E-15	0.0171801	0.0126821	0.1755225	0.06141269	8	0.70535632
ENSG00000258515	14	RP11-203M5.7	20919464	rs1760944	14	20923149	G	T	0.641153	0.0136603	0.00874546	0.11829	0.472973	0.0863954	4.39E-08	0.0288818	0.0192283	0.1330855	0.337245	7	0.6915125
ENSG00000092036	14	HAUS4	23415437	rs8016027	14	23420153	C	T	0.580517	-0.0053783	0.0081162	0.507547	-0.593774	0.0738772	9.18E-16	0.00905782	0.0137152	0.5089834	0.02404146	15	0.84798393
ENSG00000187630	14	DHRS4L2	24439148	rs6573486	14	24428509	A	G	0.0516899	0.0134252	0.0422139	0.750463	-1.00911	0.154423	6.37E-11	-0.013304	0.0418823	0.7507489	0.2850507	5	0.92774655
ENSG00000203546	14	RP11-176H8.1	31803518	rs34024670	14	31896969	A	G	0.387674	-0.0043272	0.00808191	0.592358	0.606469	0.101906	2.66E-09	-0.0071351	0.01338	0.5938473	0.7947207	6	0.86872382
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	0.711324	0.114603	5.41E-10	-0.0014379	0.0113367	0.8990674	0.2356155	4	0.97364622
ENSG00000165502	14	RPL36AL	50085237	rs7158577	14	50058633	T	C	0.742545	-0.0141506	0.00967408	0.143541	0.501947	0.0661406	3.22E-14	-0.0281914	0.0196278	0.1509176	0.9091116	15	0.69712322
ENSG00000087301	14	TXNDC16	52897308	rs80026082	14	52888936	A	G	0.0497018	-0.0317455	0.0242635	0.190751	-0.863185	0.143347	1.73E-09	0.0367772	0.0287651	0.2010615	0.1523715	17	0.70535632
ENSG00000100523	14	DDHD1	53510686	rs8011001	14	53483911	C	G	0.836978	0.0233593	0.0131653	0.0760134	0.427784	0.0725558	3.73E-09	0.0546054	0.032139	0.08931167	0.4352313	14	0.64593039
ENSG00000237356	14	AL163953.3	53635772	rs76337496	14	53693793	C	T	0.223658	-0.014744	0.00958852	0.124128	0.868237	0.119366	3.50E-13	-0.0169815	0.0112877	0.1324725	0.07406556	11	0.6915125
ENSG00000126790	14	L3HYPDH	59927081	rs7152793	14	59981908	C	T	0.416501	-0.0076433	0.00882949	0.386679	-0.913966	0.0903961	4.95E-24	0.00836278	0.00969598	0.3884122	0.1025766	20	0.81431231
ENSG00000184227	14	ACOT1	74003818	rs12433922	14	74038071	A	G	0.27336	-0.0085164	0.00936271	0.363031	0.754577	0.127125	2.93E-09	-0.0112863	0.0125527	0.3685944	0.5038335	5	0.81190142
ENSG00000119673	14	ACOT2	74034324	rs4903124	14	74025274	A	G	0.666004	0.00426087	0.00858189	0.619545	-0.519224	0.0931985	2.53E-08	-0.0082062	0.0165938	0.620928	0.02691286	6	0.8877792
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.16655	0.141127	1.39E-16	-0.0132204	0.00929723	0.1550334	0.7729417	12	0.70289247
ENSG00000258586	14	RP5-1021I20.2	74289262	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.08991	0.155863	2.70E-12	-0.0141501	0.0100093	0.1574533	0.9860732	9	0.70535632
ENSG00000140043	14	PTGR2	74318547	rs4903156	14	74402218	C	T	0.644135	-0.0026255	0.00878349	0.765006	-0.412133	0.0659063	4.02E-10	0.00637052	0.0213366	0.7652665	0.6843622	11	0.9359404
ENSG00000042317	14	SPATA7	88851268	rs60503594	14	88874915	C	T	0.302187	-0.0072051	0.00893216	0.419871	-0.684602	0.0717681	1.44E-21	0.0105245	0.0130938	0.4215257	0.8330005	20	0.83955616
ENSG00000140025	14	EFCAB11	90261013	rs7141637	14	90376922	A	C	0.0864811	-0.0110255	0.0120407	0.359831	0.698153	0.1239	1.75E-08	-0.0157924	0.0174727	0.3660858	0.8390346	4	0.81190142
ENSG00000165929	14	TC2N	92246095	rs11160026	14	92226474	T	G	0.422465	0.0007247	0.00812736	0.928948	1.0488	0.117671	4.97E-19	0.00069098	0.00774959	0.9289521	0.8685679	16	0.9787673
ENSG00000165934	14	CPSF2	92588281	rs57520213	14	92636421	A	G	0.164016	0.0104635	0.0107089	0.328527	-0.43552	0.0795321	4.35E-08	-0.0240253	0.0249771	0.3361036	0.6591462	4	0.78839926
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.847473	0.131873	1.31E-10	-0.0212874	0.015231	0.1622221	0.6371245	3	0.70535632
ENSG00000269958	14	RP11-73M18.8	104162690	rs35469050	14	104148905	T	C	0.2167	-0.0294163	0.00967198	0.00235489	-0.346726	0.0623826	2.73E-08	0.0848402	0.0317984	0.00762904	0.6681163	4	0.2914088
ENSG00000258701	14	LINC00638	105287538	rs2498810	14	105283021	G	C	0.237575	-0.0015996	0.00887359	0.856945	-0.786499	0.12671	5.40E-10	0.00203381	0.0112871	0.8570049	0.8367881	9	0.97364622
ENSG00000140104	14	C14orf79	105452112	rs2819460	14	105448809	G	A	0.224652	0.0117112	0.00903595	0.194953	0.598485	0.0783239	2.15E-14	0.0195681	0.0153137	0.2013142	0.4474635	14	0.70535632
ENSG00000183828	14	NUDT14	105639275	rs10873555	14	105648608	C	T	0.625249	-0.0088993	0.00835401	0.286754	0.599768	0.0704494	1.69E-17	-0.0148378	0.0140374	0.2905	0.5930518	12	0.76954774
ENSG00000259905	15	PWRN1	24738284	rs7403467	15	24840423	C	T	0.299205	-0.0101019	0.00878803	0.250347	0.690079	0.118301	5.44E-09	-0.0146388	0.0129797	0.2593973	0.7815272	20	0.7510678
ENSG00000261377	15	RP11-578F21.12	29034810	rs7179973	15	29078589	C	G	0.167992	-0.0015469	0.014208	0.913303	-1.23767	0.11134	1.05E-28	0.00124982	0.0114802	0.9133078	0.8820323	16	0.97364622
ENSG00000134160	15	TRPM1	31293264	rs6493454	15	31393945	T	C	0.577535	0.00586338	0.00807774	0.467918	-1.14386	0.103281	1.65E-28	-0.005126	0.00707698	0.4688724	0.9677269	11	0.84448908
ENSG00000169918	15	OTUD7A	31775329	rs4779931	15	32156572	A	G	0.522863	0.00812507	0.00806991	0.314014	-0.496952	0.0617785	8.69E-16	-0.0163498	0.0163655	0.3177753	0.6984321	11	0.77743769
ENSG00000206127	15	GOLGA8O	32737307	rs4539568	15	32902065	T	G	0.356859	0.0022643	0.00874426	0.795676	0.726286	0.107623	1.49E-11	0.00311764	0.0120486	0.7958231	0.439848	3	0.94610551
ENSG00000232653	15	GOLGA8N	32885657	rs28457217	15	32931921	A	G	0.301193	-0.0024432	0.00946314	0.796269	-0.618789	0.0966866	1.55E-10	0.00394834	0.0153054	0.7964302	0.4294108	6	0.94610551
ENSG00000166923	15	GREM1	33010175	rs8037112	15	32962759	G	A	0.591451	-0.0060088	0.00823989	0.465863	0.646441	0.0917289	1.82E-12	-0.0092951	0.0128146	0.4682341	0.9509876	5	0.84448908
ENSG00000248905	15	FMN1	33057747	rs189984032	15	33361882	C	A	0.0149105	-0.021656	0.0541785	0.689366	1.51826	0.239181	2.18E-10	-0.0142637	0.0357553	0.689948	0.7956426	14	0.91359156
ENSG00000259446	15	RP11-489D6.2	33595858	rs2670948	15	33595844	T	G	0.518887	-0.0057639	0.00807599	0.475404	-0.940477	0.104169	1.74E-19	0.00612874	0.00861391	0.4767785	0.3252437	18	0.84587273
ENSG00000184984	15	CHRM5	34260921	rs499167	15	34348338	C	A	0.714712	0.0207176	0.00875269	0.0179329	-0.892957	0.132547	1.62E-11	-0.0232011	0.0103893	0.02553768	0.126839	9	0.49468958
ENSG00000128944	15	KNSTRN	40674922	rs76277863	15	40649863	G	A	0.0974155	-0.026753	0.0112957	0.0178636	1.53588	0.195915	4.52E-15	-0.0174187	0.00768285	0.02337709	0.5833537	12	0.49328842
ENSG00000128891	15	C15orf57	40820882	rs28634695	15	40856113	A	G	0.474155	0.0285356	0.0083112	0.00059607	-0.62653	0.0730025	9.30E-18	-0.0455455	0.0142876	0.00143378	0.1658039	20	0.19013442
ENSG00000137804	15	NUSAP1	41624892	rs28661013	15	41662317	A	C	0.256461	0.012282	0.00926252	0.184843	0.756438	0.115344	5.45E-11	0.0162366	0.0124927	0.1937076	0.211815	20	0.70535632
ENSG00000103932	15	RPAP1	41809374	rs2297377	15	41815649	G	A	0.464215	-0.0048473	0.00809526	0.549321	0.447351	0.0768798	5.93E-09	-0.0108355	0.0181915	0.5514209	0.99262	4	0.85420721
ENSG00000243789	15	JMJD7	42120283	rs4923910	15	42086340	C	G	0.38171	0.0173675	0.00812105	0.0324691	0.529347	0.0901346	4.28E-09	0.0328093	0.0163272	0.04448497	0.7009211	20	0.55549964
ENSG00000137877	15	SPTBN5	42140345	rs1704391	15	42204258	C	A	0.481113	-0.0173665	0.00806823	0.0313617	-0.646452	0.104588	6.37E-10	0.0268643	0.0132159	0.04208032	0.5016662	18	0.55549964
ENSG00000168803	15	ADAL	43622872	rs7168940	15	43633334	T	C	0.126243	0.00624123	0.0142142	0.660601	-0.980268	0.118956	1.71E-16	-0.0063669	0.0145209	0.6610513	0.0685745	20	0.90650357
ENSG00000205771	15	CATSPER2P1	44019116	rs117091329	15	44036768	A	T	0.0357853	-0.0047462	0.0168625	0.778354	-1.50008	0.240442	4.41E-10	0.00316397	0.0112525	0.7785728	0.7414631	18	0.9432469
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	1.03108	0.116065	6.47E-19	-0.0054773	0.00800892	0.4940364	0.8075409	20	0.84798393
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.857165	0.111772	1.74E-14	-0.0061358	0.00957795	0.5217748	0.5652755	17	0.84798393
ENSG00000171763	15	SPATA5L1	45694529	rs1153849	15	45695695	A	G	0.275348	0.0124974	0.00871528	0.151582	0.69206	0.122358	1.55E-08	0.0180583	0.0129917	0.1645326	0.4720297	3	0.70535632
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.775055	0.0681902	6.17E-30	0.00794741	0.0119395	0.5056395	0.3907035	20	0.84798393
ENSG00000245975	15	RP11-30K9.6	59060271	rs17269439	15	59063144	A	C	0.0298211	-0.0028142	0.0244086	0.908212	0.936077	0.146421	1.63E-10	-0.0030063	0.0260797	0.9082274	0.3818673	4	0.97364622
ENSG00000103642	15	LACTB	63413999	rs34367270	15	63410912	A	G	0.572565	-0.0008045	0.00819123	0.921763	0.440367	0.0658888	2.33E-11	-0.0018269	0.0186029	0.9217712	0.7946858	20	0.9787673
ENSG00000259459	15	RP11-321G12.1	63682335	rs113292212	15	63692583	A	G	0.525845	0.0045873	0.00807079	0.569776	-0.575546	0.103004	2.30E-08	-0.0079703	0.0140952	0.5717575	0.4845779	11	0.86027764
ENSG00000075131	15	TIPIN	66628544	rs34770766	15	66654265	T	C	0.107356	-0.000181	0.0148694	0.990289	1.4157	0.214518	4.13E-11	-0.0001278	0.0105032	0.990289	0.9603818	3	0.99561131
ENSG00000260657	15	RP11-315D16.4	68560130	rs55700060	15	68574450	G	A	0.356859	0.00090277	0.00901327	0.920217	0.951472	0.12268	8.78E-15	0.00094882	0.00947376	0.9202236	0.9951568	14	0.9787673
ENSG00000140400	15	MAN2C1	75648133	rs11637068	15	75743002	A	G	0.284294	-0.0003879	0.0100034	0.969065	0.488274	0.0766353	1.87E-10	-0.0007945	0.0204876	0.969066	0.9931324	5	0.98929041
ENSG00000169752	15	NRG4	76228310	rs4886747	15	76151081	A	G	0.802187	0.00937049	0.0103566	0.365579	0.58029	0.0920204	2.86E-10	0.0161479	0.01803	0.3704596	0.8830601	5	0.81190142
ENSG00000173517	15	PEAK1	77400471	rs76499944	15	77804814	G	A	0.296223	-0.0003794	0.00905515	0.966583	-0.562473	0.0805944	2.97E-12	0.00067445	0.0160991	0.9665836	0.09460244	20	0.98929041
ENSG00000260776	15	RP11-114H24.2	78206559	rs62008593	15	78234461	A	G	0.484095	0.00414169	0.00814108	0.610935	1.05807	0.10904	2.91E-22	0.00391438	0.00770484	0.611424	0.247384	20	0.88365851
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.660637	0.0974242	1.19E-11	-0.0018226	0.0138415	0.8952384	0.2747087	4	0.97364622
ENSG00000169684	15	CHRNA5	78857862	rs77434238	15	78836726	C	T	0.626243	-0.0032663	0.00831849	0.694572	-0.757204	0.107873	2.23E-12	0.00431366	0.011003	0.695025	0.969185	15	0.91378818
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.866278	0.119323	3.87E-13	-0.0051418	0.00938894	0.5839377	0.7362883	6	0.86329121
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-0.894381	0.115729	1.09E-14	0.00062754	0.0115786	0.9567774	0.9845669	7	0.98929041
ENSG00000188659	15	FAM154B	82555151	rs561547274	15	82928428	C	G	0.0407555	-0.0159816	0.0146545	0.275469	1.3645	0.209482	7.33E-11	-0.0117124	0.0108893	0.2821114	0.6657992	12	0.7613838
ENSG00000169609	15	C15orf40	83657193	rs6603042	15	83678394	T	G	0.298211	-0.0089988	0.0088059	0.306828	-0.653011	0.0902505	4.64E-13	0.0137804	0.0136189	0.3116053	0.6412153	20	0.7748198
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.993474	0.163517	1.23E-09	0.0072321	0.0104785	0.490077	0.3226803	5	0.84798393
ENSG00000230373	15	GOLGA6L5	85051116	rs150968	15	85075866	T	G	0.770378	-0.0061993	0.0101408	0.540986	-0.88317	0.118976	1.14E-13	0.00701934	0.0115211	0.5423541	0.6402984	20	0.85267164
ENSG00000218052	15	RP11-561C5.5	85798600	rs4843040	15	85838636	T	C	0.271372	0.00630792	0.00866722	0.466742	0.827952	0.131794	3.34E-10	0.0076187	0.0105383	0.4697075	0.0624951	12	0.84448908
ENSG00000259416	15	RP11-158M2.5	86298172	rs56388190	15	86314896	G	C	0.199801	0.00322589	0.0100609	0.748485	-0.497453	0.089796	3.03E-08	-0.0064848	0.0202587	0.7488921	0.8155011	13	0.92723651
ENSG00000259685	15	CTD-2315E11.1	90645881	rs7169036	15	90655597	G	A	0.728628	0.00697376	0.00864893	0.420062	0.494191	0.0818337	1.55E-09	0.0141115	0.0176565	0.4241615	0.3628261	10	0.84201316
ENSG00000140575	15	IQGAP1	90931450	rs16944424	15	90983465	G	A	0.17495	-0.0124461	0.0101313	0.219267	0.634661	0.0770114	1.71E-16	-0.0196106	0.0161397	0.2243453	0.3797684	20	0.73294044
ENSG00000258741	15	RP11-386M24.4	93258989	rs11074102	15	93294476	C	G	0.62326	-0.0062847	0.00827212	0.447407	0.678955	0.118856	1.11E-08	-0.0092564	0.0122909	0.4513819	0.4173724	9	0.84448908
ENSG00000183571	15	PGPEP1L	99511459	rs1976574	15	99549501	C	G	0.769384	-0.0154121	0.00984022	0.117293	0.815332	0.116494	2.58E-12	-0.0189029	0.0123675	0.1264054	0.9102983	8	0.68584187
ENSG00000103852	15	TTC23	99676528	rs62023767	15	99791392	A	C	0.472167	0.00197794	0.00813187	0.807825	-0.551556	0.0702794	4.23E-15	-0.0035861	0.0147506	0.8079152	0.1906705	20	0.95126474
ENSG00000183060	15	LYSMD4	100255902	rs35747287	15	100273607	C	G	0.682903	-0.0006434	0.00862168	0.940509	-0.915626	0.10021	6.42E-20	0.00070273	0.00941647	0.9405106	0.713838	20	0.98393139
ENSG00000259363	15	CTD-2054N24.2	100347228	rs11858130	15	100364242	A	G	0.402584	0.00522661	0.00807923	0.517684	-0.692534	0.122924	1.76E-08	-0.0075471	0.0117428	0.5204213	0.8659992	7	0.84798393
ENSG00000270127	15	RP11-526I2.5	101087972	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-1.04044	0.107259	3.01E-22	0.00319371	0.00781929	0.6829512	0.1601632	17	0.9126721
ENSG00000259205	15	PRKXP1	101093734	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.905111	0.109829	1.71E-16	0.00367122	0.00899148	0.6830536	0.2076718	13	0.9126721
ENSG00000259658	15	RP11-89K11.1	102277302	rs1052887	15	102277480	C	G	0.225646	0.00968434	0.0100633	0.335875	0.670513	0.116287	8.12E-09	0.0144432	0.015216	0.3425124	0.08065835	4	0.79753067
ENSG00000103148	16	NPRL3	134273	rs2562164	16	176743	G	A	0.345924	0.002176	0.00823189	0.79152	-0.648229	0.0882471	2.05E-13	-0.0033568	0.0127073	0.7916514	0.7861137	11	0.94610551
ENSG00000242612	16	DECR2	451826	rs3743890	16	456416	G	T	0.531809	-0.0119872	0.00811066	0.139419	-0.637116	0.0933064	8.60E-12	0.0188148	0.0130251	0.1485967	0.3258206	20	0.69712322
ENSG00000127578	16	WFIKKN1	679239	rs4984672	16	646421	G	A	0.246521	0.0235727	0.00858036	0.00600911	0.830647	0.107441	1.07E-14	0.0283787	0.0109625	0.00963391	0.2983861	11	0.32849435
ENSG00000197253	16	TPSB2	1277272	rs4984778	16	1297516	G	C	0.736581	0.00614835	0.00978937	0.529962	-0.73464	0.121909	1.68E-09	-0.0083692	0.0133976	0.5321809	0.8442684	9	0.85022852
ENSG00000063854	16	HAGH	1845621	rs2745194	16	1854038	T	C	0.693837	0.00874959	0.00821432	0.286802	-0.644556	0.0769432	5.43E-17	-0.0135746	0.0128468	0.2906689	0.3445133	20	0.76954774
ENSG00000180185	16	FAHD1	1876968	rs11640914	16	1915458	G	A	0.826044	0.00054698	0.00929473	0.953072	-0.723267	0.102831	2.01E-12	-0.0007563	0.0128515	0.9530742	0.8790802	8	0.98929041
ENSG00000255513	16	AC005363.9	2013746	rs72764893	16	2013756	C	T	0.130219	-0.0005729	0.0118637	0.961482	0.745653	0.119746	4.76E-10	-0.0007684	0.015911	0.9614833	0.5151359	7	0.98929041
ENSG00000261613	16	RP11-20I23.13	2604061	rs28570606	16	2730221	T	C	0.253479	0.0062936	0.00927604	0.497468	1.2011	0.15005	1.20E-15	0.00523986	0.00775065	0.4990057	0.4287956	10	0.84798393
ENSG00000260565	16	ERVK13-1	2710350	rs11648529	16	2725256	G	A	0.413519	0.00782258	0.00846913	0.355664	-0.814657	0.0881038	2.32E-20	-0.0096023	0.0104477	0.3580517	0.4707609	9	0.80107257
ENSG00000263280	16	LA16c-325D7.2	2916349	rs17660212	16	2918292	G	A	0.39662	0.00673976	0.00874778	0.441031	0.8208	0.114684	8.24E-13	0.00821121	0.0107192	0.4436596	0.9958539	6	0.84448908
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.716256	0.0737257	2.60E-22	0.0114635	0.0114997	0.3188367	0.2829153	20	0.77743769
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2717706	16	3056462	A	T	0.612326	-0.0111437	0.00821263	0.174814	0.849622	0.115796	2.18E-13	-0.0131161	0.00983012	0.1821143	0.7930829	11	0.70535632
ENSG00000263072	16	RP11-473M20.14	3166043	rs11649450	16	3181996	A	G	0.374751	0.0164587	0.00855509	0.0543726	0.534313	0.0909637	4.26E-09	0.0308035	0.0168483	0.06750687	0.5379787	9	0.59137223
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	0.805556	0.127994	3.10E-10	0.0230526	0.0177661	0.1944365	0.00062223	20	0.70535632
ENSG00000167984	16	NLRC3	3589033	rs12448212	16	3636809	C	G	0.159046	0.00710325	0.0113638	0.53192	-1.13658	0.157025	4.55E-13	-0.0062497	0.0100355	0.5334428	0.00731326	20	0.85022852
ENSG00000262246	16	CORO7	4404543	rs9925719	16	4461861	G	A	0.749503	0.00249839	0.00918226	0.785554	0.583968	0.0879322	3.11E-11	0.0042783	0.0157371	0.7857291	0.804495	20	0.94610551
ENSG00000153406	16	NMRAL1	4511681	rs7206782	16	4515145	C	A	0.725646	0.00034574	0.00929994	0.970344	-0.539936	0.0789034	7.76E-12	-0.0006403	0.0172244	0.9703448	0.1722639	7	0.98929041
ENSG00000102858	16	MGRN1	4666494	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	0.96403	0.0863779	6.36E-29	0.00548379	0.00852607	0.5201079	0.6450807	20	0.84798393
ENSG00000103199	16	ZNF500	4798240	rs3747602	16	4802386	T	G	0.616302	0.0164205	0.00838547	0.0502054	-0.541117	0.0894688	1.47E-09	-0.0303456	0.0162886	0.06246304	0.3200343	20	0.57706239
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.937371	0.128854	3.47E-13	0.00422259	0.008701	0.6274644	0.06731979	18	0.88945142
ENSG00000267795	16	SMIM22	4838398	rs13334749	16	4952194	T	C	0.243539	0.00205801	0.00946252	0.827826	0.657791	0.115156	1.12E-08	0.00312867	0.0143957	0.8279487	0.2479462	6	0.95499982
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	1.30697	0.151702	6.97E-18	-0.015902	0.00799482	0.04669631	0.0416457	20	0.56082268
ENSG00000067836	16	ROGDI	4846969	rs56400014	16	4846533	A	G	0.5	0.0040816	0.00813853	0.616009	-0.409319	0.0593106	5.15E-12	-0.0099717	0.0199355	0.6169366	0.03110843	15	0.88605361
ENSG00000267072	16	RP11-165E7.1	5060910	rs17137544	16	5092904	G	C	0.230616	0.00307467	0.0100909	0.760596	0.550905	0.0879362	3.73E-10	0.00558113	0.0183386	0.7608707	0.8894728	4	0.93553219
ENSG00000183454	16	GRIN2A	9852376	rs3105688	16	10064780	A	G	0.463221	-0.0142821	0.00811038	0.0782456	0.680816	0.0846544	8.82E-16	-0.0209779	0.012195	0.08539413	0.3346409	20	0.64593039
ENSG00000175643	16	RMI2	11343476	rs62025663	16	11448053	C	T	0.242545	-0.0055342	0.00871727	0.525525	-0.727184	0.115559	3.12E-10	0.00761043	0.0120486	0.5276182	0.7616042	9	0.84798393
ENSG00000234719	16	RP11-166B2.1	12021230	rs2869492	16	12071341	C	T	0.416501	0.00562863	0.00807563	0.485808	1.15559	0.102931	3.01E-29	0.00487078	0.00700177	0.4866479	0.1043418	20	0.84798393
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.772138	0.109878	2.11E-12	0.0232613	0.0111112	0.03630527	0.8608158	12	0.55196399
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	1.02212	0.126073	5.17E-16	-0.0175722	0.00830058	0.03426104	0.7456319	12	0.55196399
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.392161	0.0597596	5.30E-11	-0.0039423	0.0234543	0.8665176	0.4751056	10	0.97364622
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.981971	0.088086	7.33E-29	0.00157439	0.00936473	0.8664892	0.2928919	20	0.97364622
ENSG00000263065	16	AF001548.6	15835008	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.771609	0.119408	1.03E-10	0.00200362	0.0119205	0.8665189	0.4240013	20	0.97364622
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.829998	0.103895	1.36E-15	-0.019167	0.0132501	0.1480221	0.9782007	7	0.69712322
ENSG00000227827	16	RP11-958N24.2	16450081	rs4780614	16	16298288	T	G	0.202783	0.0142598	0.0125678	0.256531	1.21582	0.157952	1.39E-14	0.0117285	0.0104486	0.2616497	0.4248275	7	0.7510678
ENSG00000103550	16	KNOP1	19714902	rs11865116	16	19814744	C	T	0.164016	0.0218298	0.0115333	0.0583889	1.18059	0.130246	1.25E-19	0.0184906	0.00997981	0.0639111	0.04978682	20	0.58593306
ENSG00000103356	16	EARS2	23533335	rs250553	16	23441465	C	G	0.16998	-0.0153226	0.00940064	0.10311	-0.689253	0.103949	3.34E-11	0.0222307	0.0140449	0.1134599	0.2204197	6	0.67793701
ENSG00000259954	16	IL21R-AS1	27458990	rs12448379	16	27756866	G	T	0.157058	0.0356198	0.0122042	0.00351552	-1.09817	0.132982	1.48E-16	-0.0324356	0.0117869	0.00592624	0.02817413	18	0.27374647
ENSG00000197165	16	SULT1A2	28603264	rs4787458	16	28531287	G	A	0.323062	-0.0062442	0.00807734	0.439489	0.806152	0.138547	5.93E-09	-0.0077457	0.0101077	0.4434843	0.3545667	10	0.84448908
ENSG00000103472	16	RRN3P2	29086163	rs252343	16	29186364	G	A	0.518887	-0.0069703	0.00810974	0.390069	-0.539493	0.0922147	4.90E-09	0.01292	0.0151935	0.3951224	0.9699866	20	0.81817587
ENSG00000214725	16	CDIPT-AS1	29874914	rs34248724	16	29869176	T	C	0.259443	-0.0090627	0.00910247	0.319428	-0.742874	0.116399	1.75E-10	0.0121996	0.0124013	0.3252456	0.2699107	3	0.77825829
ENSG00000155393	16	HEATR3	50099852	rs12926346	16	50130045	A	G	0.709742	0.00049987	0.00954223	0.958222	0.721303	0.0859497	4.77E-17	0.00069301	0.0132294	0.9582227	0.07574336	16	0.98929041
ENSG00000103479	16	RBL2	53467889	rs8061073	16	53508507	T	C	0.459245	0.00080325	0.00840477	0.923862	-0.264801	0.0463123	1.08E-08	-0.0030334	0.0317444	0.9238724	0.4012172	5	0.9787673
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	1.11279	0.177771	3.86E-10	-0.0074511	0.00993702	0.4533585	0.4000641	5	0.84448908
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.768439	0.0783441	1.03E-22	-0.0190225	0.0111004	0.08658748	0.08901876	18	0.64593039
ENSG00000132600	16	PRMT7	68344877	rs77517043	16	68301410	A	G	0.0984095	0.0148104	0.0120427	0.218764	0.65902	0.105939	4.95E-10	0.0224734	0.0186273	0.2276352	0.1651531	14	0.7354359
ENSG00000141076	16	CIRH1A	69165194	rs75086474	16	69431163	A	G	0.0308151	0.0462288	0.0246438	0.0606722	-1.70045	0.258114	4.46E-11	-0.0271862	0.0150686	0.0712054	0.7131889	7	0.60060028

ENSG00000157322	16	CLEC18A	69984810	rs72789096	16	70147276	A	T	0.374751	-0.0028677	0.00815084	0.72497	-1.01647	0.135129	5.39E-14	0.0028212	0.00802754	0.7252576	0.09051592	20	0.92352672
ENSG00000226232	16	RP11-419C5.2	70010291	rs1971722	16	70112729	A	G	0.792247	-0.0081865	0.0106787	0.443307	-1.13472	0.114905	5.33E-23	0.00721456	0.00943918	0.4446766	0.3671896	20	0.84448908
ENSG00000255185	16	PDXDC2P	70044654	rs1971722	16	70112729	A	G	0.792247	-0.0081865	0.0106787	0.443307	-0.577755	0.0904474	1.68E-10	0.0141695	0.0186157	0.446563	0.08800941	14	0.84448908
ENSG00000261556	16	RP11-296I10.6	70253477	rs7192268	16	70382179	T	C	0.540755	-0.0235078	0.0082395	0.00433002	-0.439689	0.0725747	1.37E-09	0.0534646	0.0207133	0.00984663	0.08150409	6	0.32849435
ENSG00000223496	16	EXOSC6	70284134	rs775208	16	70315911	C	T	0.544732	-0.0260148	0.0083174	0.00176145	-0.721387	0.0741879	2.39E-22	0.0360622	0.0121115	0.00290598	0.01407195	20	0.19013442
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	0.975181	0.112096	3.33E-18	0.0090414	0.010527	0.3904094	0.03213567	19	0.81544642
ENSG00000184517	16	ZFP1	75182390	rs59477267	16	75175983	T	C	0.333002	0.0119015	0.00833719	0.153432	-0.485465	0.0880185	3.48E-08	-0.0245157	0.0177395	0.1669773	0.7466963	6	0.70535632
ENSG00000261783	16	RP11-252K23.2	75413716	rs11149831	16	75451461	A	G	0.664016	-0.0178125	0.00836273	0.0331726	-0.793941	0.129691	9.25E-10	0.0224355	0.0111525	0.04425188	0.4116688	13	0.55549964
ENSG00000152910	16	CNTNAP4	76311176	rs77492932	16	75982586	C	T	0.0129225	-0.0151319	0.0348797	0.664411	-1.06825	0.178599	2.21E-09	0.0141651	0.032737	0.6652367	0.6120871	5	0.90650357
ENSG00000205078	16	SYCE1L	77233294	rs8398	16	77233338	T	C	0.260437	-0.0136137	0.00898869	0.129889	0.991651	0.106925	1.79E-20	-0.0137283	0.00918444	0.1349832	0.1577756	20	0.69419027
ENSG00000140873	16	ADAMTS18	77281710	rs2562115	16	77394592	G	A	0.592445	0.00175468	0.00805877	0.827636	-1.23141	0.107352	1.85E-30	-0.0014249	0.00654552	0.8276658	0.5314545	20	0.95499982
ENSG00000261390	16	RP11-345M22.2	79750622	rs79193369	16	79725016	A	G	0.348907	0.0152531	0.00873396	0.0807384	-0.71016	0.120572	3.86E-09	-0.0214784	0.0128278	0.09405985	0.9399878	10	0.64784719
ENSG00000103121	16	CMC2	81009698	rs3759934	16	81041950	A	G	0.0606362	-0.0105306	0.0126123	0.403746	-0.981487	0.175938	2.42E-08	0.0107292	0.0129933	0.4089464	0.6553313	5	0.83103998
ENSG00000260213	16	RP11-303E16.3	81050397	rs16944345	16	81008361	C	T	0.181909	0.00559993	0.00933597	0.548624	-0.642224	0.0868662	1.43E-13	-0.0087196	0.0145847	0.5499343	0.6999798	20	0.85420721
ENSG00000103168	16	TAF1C	84211458	rs12597782	16	84208891	C	G	0.452286	0.00132124	0.00807602	0.870046	-0.517064	0.0803003	1.20E-10	-0.0025553	0.015624	0.8700873	0.2610352	5	0.97364622
ENSG00000140955	16	ADAD2	84224744	rs3785033	16	84219312	C	G	0.592445	0.00951075	0.00816165	0.243898	0.711657	0.119334	2.47E-09	0.0133642	0.0116854	0.2527613	0.575909	7	0.74642061
ENSG00000270020	16	RP11-463O9.9	86553989	rs9926723	16	86560945	A	C	0.720676	-5.92E-05	0.00981827	0.995187	-0.850407	0.119833	1.28E-12	6.96E-05	0.0115454	0.9951872	0.6120656	13	0.99778259
ENSG00000174990	16	CA5A	87921625	rs7193897	16	87926558	A	G	0.248509	0.0118814	0.0103482	0.250903	0.849608	0.126501	1.87E-11	0.0139846	0.0123567	0.2577428	0.1113111	16	0.7510678
ENSG00000176715	16	ACSF3	89154783	rs4352046	16	89229088	C	T	0.251491	-0.0189267	0.00863369	0.0283661	0.638262	0.114261	2.32E-08	-0.0296535	0.0145312	0.04128353	0.77762	17	0.55549964
ENSG00000170100	16	ZNF778	89284118	rs117884871	16	89292039	A	G	0.0188867	0.0198618	0.0227373	0.382372	2.31862	0.422674	4.12E-08	0.00856622	0.00992995	0.3883219	0.5861383	4	0.81431231
ENSG00000167526	16	RPL13	89627065	rs730264	16	89620148	G	A	0.168986	-0.0130707	0.013312	0.326162	-0.353378	0.0579336	1.06E-09	0.0369879	0.0381556	0.3323484	0.1986502	14	0.78725832
ENSG00000185324	16	CDK10	89747145	rs117418297	16	89735071	T	C	0.0735586	9.12E-05	0.0157088	0.995368	-0.802526	0.138797	7.38E-09	-0.0001136	0.0195742	0.995368	0.4999219	20	0.99778259
ENSG00000181031	17	RPH3AL	62293	rs8066107	17	66675	A	G	0.680915	0.00010537	0.00856656	0.990186	-0.850621	0.115745	2.00E-13	-0.0001239	0.010071	0.9901863	0.9805539	11	0.99561131
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	0.82553	0.090194	5.55E-20	0.0143284	0.0114023	0.2088916	0.5029314	12	0.70896241
ENSG00000167705	17	RILP	1549444	rs9889459	17	1559647	A	G	0.0228628	0.00419335	0.0228911	0.854651	-0.73775	0.12784	7.89E-09	-0.005684	0.0310439	0.8547237	0.4250978	3	0.97364622
ENSG00000167711	17	SERPINF2	1646130	rs8065919	17	1637891	A	G	0.222664	-0.0016717	0.00995395	0.866629	0.756536	0.111844	1.34E-11	-0.0022097	0.0131613	0.8666701	0.7901934	10	0.97364622
ENSG00000167720	17	SRR	2206677	rs12452074	17	2051730	T	G	0.456262	0.0181464	0.00828694	0.0285417	-0.541633	0.0951611	1.26E-08	-0.0335031	0.0163932	0.04098058	0.2876401	8	0.55549964
ENSG00000167723	17	TRPV3	3413796	rs1810048	17	3434262	A	G	0.131213	0.0117516	0.00999964	0.239913	-0.590299	0.107867	4.44E-08	-0.0199079	0.0173262	0.2505532	0.6463141	3	0.74642061
ENSG00000197417	17	SHPK	3511556	rs62069928	17	3514598	T	C	0.241551	0.0136324	0.00925157	0.140611	0.911343	0.125857	4.45E-13	0.0149586	0.0103596	0.1487587	0.617151	4	0.69712322
ENSG00000182557	17	SPNS3	4336983	rs3809853	17	4337412	G	C	0.239563	0.00725963	0.0103829	0.484432	-0.453804	0.0789736	9.12E-09	-0.0159973	0.0230485	0.4876371	0.7049122	3	0.84798393
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-0.89006	0.128423	4.19E-12	0.01563	0.0152168	0.3043492	0.8124731	3	0.77119938
ENSG00000108556	17	CHRNE	4801069	rs140874286	17	4785959	A	G	0.0974155	-0.0181909	0.0117395	0.12125	1.17535	0.169938	4.63E-12	-0.015477	0.0102357	0.130518	0.9310258	18	0.6915125
ENSG00000220205	17	VAMP2	8062467	rs8075427	17	8060863	G	T	0.682903	0.0158349	0.00958875	0.0986552	0.363822	0.0630817	8.05E-09	0.0435238	0.0274147	0.1123755	0.4304879	6	0.67793701
ENSG00000109047	17	RCVRN	9799637	rs1047367	17	9819126	C	T	0.530815	-0.0137258	0.00810268	0.0902693	-0.766167	0.127865	2.07E-09	0.0179149	0.0109901	0.1030817	0.3259276	5	0.66181552
ENSG00000187824	17	TMEM220	10602332	rs202309	17	10635724	A	G	0.49006	0.0120241	0.00809286	0.137341	-0.489683	0.0605429	6.06E-16	-0.0245549	0.0168033	0.1439288	0.9341062	10	0.69712322
ENSG00000006744	17	ELAC2	12895708	rs1044564	17	12895984	C	G	0.607356	0.00702664	0.00825115	0.394439	0.499038	0.0604199	1.46E-16	0.0140804	0.0166218	0.3969369	0.4428943	5	0.82043839
ENSG00000125409	17	TEKT3	15207128	rs230968	17	15210076	T	C	0.474155	-0.0106592	0.00804035	0.184936	-0.726711	0.107012	1.11E-11	0.0146677	0.0112729	0.1932065	0.08064954	3	0.70535632
ENSG00000166582	17	CENPV	16245848	rs12603712	17	16245481	A	G	0.464215	0.00343096	0.00804944	0.669936	0.848957	0.0856786	3.82E-23	0.00404138	0.00949033	0.6702229	0.5350305	20	0.90650357
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.866169	0.0921758	5.62E-21	-0.0062394	0.00945573	0.509351	0.9302576	20	0.84798393
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.997971	0.0905883	3.18E-28	-0.0054153	0.0082014	0.5090663	0.9081576	20	0.84798393
ENSG00000213077	17	FAM106A	18427880	rs9910119	17	18533619	A	T	0.539761	-0.0018224	0.00816654	0.823416	0.655135	0.0999366	5.55E-11	-0.0027817	0.0124727	0.8235168	0.9051776	10	0.95489157
ENSG00000141127	17	PRPSAP2	18743398	rs8070669	17	18774708	T	A	0.793241	0.00315361	0.00979001	0.747357	0.654748	0.108642	1.67E-09	0.00481652	0.0149737	0.7477056	0.9522966	8	0.92672283
ENSG00000230528	17	NOS2P3	20339650	rs4985913	17	20311541	C	G	0.425447	0.00971818	0.00833095	0.243406	-0.633869	0.110271	9.02E-09	-0.0153315	0.0134109	0.2529502	0.3255125	6	0.74642061
ENSG00000007171	17	NOS2	26083792	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	-0.904166	0.101791	6.53E-19	0.0107823	0.0108834	0.3218277	0.4432697	11	0.77743769
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.492689	0.0815604	1.53E-09	-0.0197872	0.0201167	0.3253003	0.3195297	7	0.77825829
ENSG00000237575	17	PYY2	26553589	rs9900666	17	26558422	C	A	0.526839	0.00037436	0.00812134	0.963234	0.580701	0.0930848	4.42E-10	0.00064467	0.0139858	0.9632348	0.5568769	6	0.98929041
ENSG00000264538	17	SUZ12P	29036317	rs11652282	17	29097076	A	G	0.107356	0.00356942	0.0142623	0.802379	-1.0381	0.132497	4.69E-15	-0.0034384	0.0137459	0.8024775	0.9966824	14	0.94859791
ENSG00000005156	17	LIG3	33307513	rs2074518	17	33324382	T	C	0.477137	-0.0013159	0.00812286	0.871307	-0.59316	0.104407	1.34E-08	0.00221846	0.0136998	0.871358	0.8677538	3	0.97364622
ENSG00000267782	17	RP11-799D4.3	33491262	rs7210321	17	33500988	A	G	0.405567	0.00974397	0.00842329	0.247358	0.900743	0.0970435	1.67E-20	0.0108177	0.00942384	0.2510063	0.8976648	9	0.74642061
ENSG00000166750	17	SLFN5	33570055	rs11080327	17	33571546	A	G	0.508946	-0.0054739	0.00809876	0.499109	0.558114	0.0998776	2.30E-08	-0.0098079	0.0146167	0.5022186	0.3499072	3	0.84798393
ENSG00000167914	17	GSDMA	38119226	rs3907022	17	38134889	C	T	0.457256	0.00278299	0.0081206	0.73182	-0.708838	0.0982546	5.42E-13	-0.0039261	0.0114691	0.732109	0.08121396	12	0.92405924
ENSG00000141698	17	NT5C3B	39981335	rs1865841	17	39991988	A	G	0.728628	-0.0079007	0.00853003	0.354331	-0.416397	0.0544953	2.16E-14	0.018974	0.0206353	0.3578388	0.4484086	9	0.80107257
ENSG00000198496	17	NBR2	41277627	rs33946455	17	41321846	T	C	0.359841	0.020176	0.00828931	0.0149341	-1.08836	0.0867293	4.03E-36	-0.018538	0.00775827	0.01687373	0.830087	20	0.44055108
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-0.851887	0.10884	5.00E-15	-0.0296235	0.0141852	0.03676696	0.1748334	12	0.55196399
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.536692	0.0855996	3.62E-10	0.0360384	0.017157	0.03568459	0.1971541	9	0.55196399
ENSG00000214425	17	LRRC37A4P	43578685	rs58879558	17	44095467	C	T	0.250497	0.00159749	0.0122612	0.896338	-1.33181	0.118984	4.40E-29	-0.0011995	0.00920704	0.8963454	0.2705011	9	0.97364622
ENSG00000266918	17	RP11-798G7.8	43608943	rs11656151	17	44068492	G	A	0.200795	-0.0094741	0.00997157	0.342056	0.78918	0.139746	1.63E-08	-0.012005	0.0128129	0.3487877	0.3267945	9	0.79789339
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.15986	0.134536	6.62E-18	-0.0049286	0.0129197	0.7028465	0.7551381	11	0.91378818
ENSG00000263503	17	RP11-707O23.5	43678235	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.10201	0.147535	8.05E-14	-0.0051874	0.0136024	0.7029385	0.7068837	10	0.91378818
ENSG00000204650	17	CRHR1-IT1	43697694	rs62061822	17	44186894	C	A	0.241551	-0.0059355	0.0148366	0.689112	1.0734	0.100181	8.69E-27	-0.0055297	0.0138317	0.689317	0.981625	7	0.91359156
ENSG00000214401	17	KANSL1-AS1	44270942	rs12185243	17	44115351	C	T	0.240557	-0.0058874	0.0148277	0.691326	1.07808	0.122213	1.13E-18	-0.005461	0.0137677	0.6916222	0.9852425	4	0.91378818
ENSG00000262500	17	RP11-259G18.2	44320972	rs9468	17	44101563	C	T	0.241551	0.00066382	0.0138135	0.961671	1.2741	0.151658	4.42E-17	0.00052101	0.0108419	0.9616722	0.9972663	5	0.98929041
ENSG00000262539	17	RP11-259G18.3	44336917	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.22397	0.14447	2.41E-17	0.00327922	0.0118337	0.7816959	0.2355863	12	0.94448368
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.06283	0.156812	1.22E-11	-0.0068868	0.00792424	0.3848009	0.4160035	3	0.81431231
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-0.991332	0.126105	3.81E-15	-0.0071689	0.00828752	0.3870243	0.6803416	16	0.81431231
ENSG00000260075	17	NSFP1	44450221	rs17698176	17	44819595	G	T	0.227634	-0.0114196	0.00872621	0.190653	0.971011	0.158313	8.60E-10	-0.0117605	0.009189	0.2005987	0.3656036	8	0.70535632
ENSG00000238083	17	LRRC37A2	44588877	rs10445368	17	43933171	T	C	0.237575	-0.0077192	0.0152313	0.612295	1.25523	0.133374	4.90E-21	-0.0061497	0.0121519	0.6128094	0.8857585	8	0.88459626
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-0.837862	0.0858219	1.63E-22	0.00617439	0.0105166	0.5571316	0.6905896	8	0.85420721
ENSG00000263142	17	LRRC37A17P	45055847	rs2316327	17	45078498	A	G	0.248509	0.0190033	0.00883238	0.0314326	0.489702	0.0774538	2.57E-10	0.0388058	0.019052	0.04166591	0.124731	8	0.55549964
ENSG00000262879	17	RP11-156P1.3	45061411	rs112425955	17	45184291	A	C	0.0884692	0.0354654	0.0163186	0.0297577	1.17539	0.17218	8.70E-12	0.0301733	0.0145702	0.03836846	0.9856457	7	0.55549964
ENSG00000108465	17	CDK5RAP3	46045176	rs4794333	17	46045495	C	T	0.380716	0.00825278	0.00822384	0.31561	0.392437	0.061109	1.35E-10	0.0210296	0.0212101	0.321448	0.4072723	11	0.77743769
ENSG00000064300	17	NGFR	47572655	rs2584667	17	47560071	G	C	0.05666	0.0100925	0.0155591	0.516561	-0.880953	0.146041	1.62E-09	-0.0114563	0.0177635	0.5189675	0.2070863	4	0.84798393
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.784593	0.0712379	3.28E-28	-0.0177509	0.0110411	0.1079005	0.349611	17	0.67144301
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.280494	0.0433325	9.60E-11	-0.0434205	0.0303968	0.1531605	0.5172316	6	0.70208306
ENSG00000166260	17	COX11	53029263	rs11871985	17	53043979	T	C	0.270378	0.0054969	0.00901836	0.542178	-0.495883	0.077819	1.86E-10	-0.0110851	0.0182695	0.5440143	0.3242811	9	0.85270408
ENSG00000108384	17	RAD51C	56769934	rs12946522	17	56768103	G	T	0.167992	-0.0059266	0.0095522	0.534965	-0.537494	0.0920588	5.26E-09	0.0110264	0.0178718	0.5372534	0.2208823	9	0.85095565
ENSG00000068097	17	HEATR6	58120555	rs73997118	17	58172986	G	A	0.0447316	0.0116845	0.0163451	0.474692	0.885235	0.14449	8.98E-10	0.0131993	0.0185894	0.477676	0.8699195	5	0.84587273
ENSG00000198231	17	DDX42	61850963	rs752621	17	61901880	C	G	0.26839	-0.0011062	0.00957156	0.907989	-0.755372	0.119883	2.96E-10	0.00146448	0.0126735	0.908005	0.9392436	10	0.97364622
ENSG00000108592	17	FTSJ3	61896793	rs2854208	17	61946885	T	C	0.599404	-0.0046767	0.00841503	0.57838	0.665099	0.0800642	9.81E-17	-0.0070315	0.0126806	0.5792282	0.5448148	20	0.86095929
ENSG00000154262	17	ABCA6	67074843	rs3744489	17	67138138	T	C	0.682903	0.00237021	0.00847572	0.779748	0.742751	0.0955223	7.50E-15	0.00319112	0.0114186	0.7798869	0.3928612	8	0.9432469
ENSG00000237560	17	AC004562.1	67957848	rs8077036	17	67962340	G	C	0.340954	-0.0165802	0.0086838	0.0562212	0.64502	0.105447	9.54E-10	-0.0257049	0.0141034	0.06836361	0.2089625	4	0.59137223
ENSG00000125450	17	NUP85	73201754	rs1478785	17	73222865	A	G	0.754473	0.0184148	0.0110806	0.0965339	-0.668192	0.0926803	5.61E-13	-0.0275591	0.0170178	0.1053551	0.6306383	7	0.66644936
ENSG00000141569	17	TRIM65	73876416	rs56018637	17	73884948	T	C	0.248509	0.0107011	0.0114083	0.34824	0.520572	0.0946273	3.77E-08	0.0205564	0.0222312	0.3551402	0.8007563	12	0.80107257
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.580401	0.0848878	8.07E-12	0.0191123	0.0186612	0.3057544	0.8049215	6	0.77119938
ENSG00000182534	17	MXRA7	74668633	rs11077857	17	74691636	A	G	0.814115	0.00979509	0.0104913	0.350493	-0.805527	0.108069	9.07E-14	-0.0121599	0.0131259	0.354238	0.3780813	19	0.80107257
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.666943	0.084649	3.30E-15	0.0158966	0.0128112	0.2146661	0.5527624	17	0.71416617
ENSG00000262223	17	RP11-1055B8.3	79349801	rs11651142	17	79352759	C	T	0.384692	0.00281782	0.0084261	0.738066	0.43653	0.0713378	9.41E-10	0.00645504	0.0193313	0.7384419	0.9318115	8	0.92405924
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.859882	0.0992481	4.56E-18	-0.0111164	0.0146042	0.4465482	0.7674556	4	0.84448908
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-1.01074	0.108192	9.45E-21	0.0099909	0.0104035	0.3368828	0.2731619	13	0.78868663
ENSG00000265688	17	MAFG-AS1	79885705	rs34683731	17	79909537	A	G	0.573559	0.00496378	0.0084356	0.556242	-0.718991	0.110177	6.77E-11	-0.0069038	0.0117802	0.5578388	0.3954683	8	0.85420721
ENSG00000183010	17	PYCR1	79890260	rs34683731	17	79909537	A	G	0.573559	0.00496378	0.0084356	0.556242	-0.800565	0.108001	1.24E-13	-0.0062004	0.0105702	0.5574811	0.4154219	12	0.85420721
ENSG00000185269	17	NOTUM	79910388	rs34683731	17	79909537	A	G	0.573559	0.00496378	0.0084356	0.556242	-0.711721	0.108867	6.26E-11	-0.0069743	0.0119003	0.5578331	0.4053159	11	0.85420721
ENSG00000169689	17	STRA13	79976578	rs3934983	17	79980756	A	C	0.55666	-0.0044455	0.00834142	0.594077	0.450741	0.0755464	2.43E-09	-0.0098625	0.0185797	0.5955411	0.01749472	4	0.87012757
ENSG00000263063	17	RP11-388C12.1	80671784	rs2379356	17	80674231	T	A	0.244533	-0.0127461	0.0102646	0.214327	0.86298	0.146414	3.77E-09	-0.0147699	0.0121555	0.2243355	0.5090702	11	0.73294044
ENSG00000141560	17	FN3KRP	80674559	rs2280251	17	80675105	C	G	0.407555	0.0021975	0.00848267	0.795591	-0.592356	0.0655114	1.54E-19	-0.0037098	0.0143261	0.7956728	0.4990695	20	0.94610551
ENSG00000263006	18	ROCK1P1	109065	rs4530213	18	115408	T	G	0.303181	0.00146682	0.00836181	0.860751	0.915502	0.131842	3.81E-12	0.0016022	0.00913649	0.8607944	0.4296313	17	0.97364622
ENSG00000079101	18	CLUL1	596988	rs2015412	18	590969	T	C	0.298211	-0.0001075	0.00844302	0.989842	0.79056	0.116479	1.14E-11	-0.000136	0.0106798	0.9898418	0.8713297	9	0.99561131
ENSG00000263627	18	RP11-692N5.1	9615262	rs667695	18	9618049	T	C	0.763419	0.00472016	0.0116268	0.684763	-1.0279	0.118237	3.51E-18	-0.004592	0.0113235	0.6850876	0.07386306	15	0.91359156
ENSG00000267079	18	RP11-820I16.1	11910633	rs1811452	18	11947700	A	C	0.337972	-0.0018671	0.00836607	0.823397	0.705116	0.109572	1.23E-10	-0.002648	0.0118719	0.8235016	0.5866	5	0.95489157
ENSG00000267108	18	RP11-861E21.1	12432896	rs34448712	18	12439062	C	A	0.152087	0.0218674	0.0134036	0.102795	1.03667	0.175815	3.72E-09	0.0210939	0.0134153	0.1158626	0.3826334	7	0.68169746
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.711471	0.107816	4.14E-11	0.00325225	0.0116148	0.7794714	0.66668	15	0.9432469
ENSG00000267336	18	RP11-773H22.2	12912843	rs4797717	18	12911423	C	T	0.698807	-0.0087416	0.00825784	0.289792	-0.732131	0.132035	2.94E-08	0.0119399	0.0114829	0.2984335	0.5693682	3	0.77079276
ENSG00000101639	18	CEP192	12991361	rs1786984	18	13154354	G	A	0.615308	-0.003968	0.00820648	0.628724	-0.869089	0.0866331	1.10E-23	0.00456572	0.00945359	0.6291226	0.8300698	20	0.88945142
ENSG00000264880	18	RP11-805F19.1	15159723	rs9962391	18	15086308	G	A	0.920477	0.0064055	0.0141406	0.650558	-1.29439	0.210348	7.58E-10	-0.0049487	0.0109541	0.651439	0.8954756	19	0.90069533
ENSG00000260372	18	AQP4-AS1	24235706	rs232346	18	24510922	T	A	0.530815	0.00171184	0.00813354	0.833303	-0.871285	0.106169	2.28E-16	-0.0019647	0.00933818	0.8333574	0.890518	5	0.95499982
ENSG00000101751	18	POLI	51795774	rs3730783	18	51815283	G	A	0.428429	-0.0003246	0.00809063	0.967992	-0.414655	0.0706697	4.42E-09	0.00078294	0.0195122	0.9679931	0.6327821	4	0.98929041
ENSG00000221887	18	HMSD	61616535	rs1006755	18	61631046	G	A	0.289264	0.00586453	0.00923763	0.525525	-0.411389	0.0751123	4.33E-08	-0.0142554	0.0226051	0.5282826	0.2343304	7	0.84798393
ENSG00000264247	18	LINC00909	72259010	rs7505289	18	72264406	G	A	0.852883	0.00502044	0.0118153	0.670902	-0.79546	0.107	1.05E-13	-0.0063114	0.0148777	0.671407	0.8874902	7	0.90681256
ENSG00000261126	18	RBFADN	77806900	rs4799132	18	77856381	C	T	0.142147	-0.0054742	0.0129415	0.6723	1.08091	0.137694	4.16E-15	-0.0050644	0.0119902	0.6727477	0.6580779	20	0.90681256
ENSG00000266933	19	AC005775.2	490046	rs3999751	19	488476	C	G	0.440358	-0.0036035	0.00820386	0.66049	-0.90489	0.104604	5.12E-18	0.0039822	0.00907782	0.6608983	0.1927862	11	0.90650357
ENSG00000267751	19	AC009005.2	567212	rs28915400	19	572004	T	G	0.126243	0.00223306	0.0100169	0.82359	-1.13493	0.18359	6.33E-10	-0.0019676	0.00883174	0.8237033	0.3876223	5	0.95489157
ENSG00000065268	19	WDR18	983174	rs2240148	19	990394	C	T	0.599404	-0.0059438	0.00817842	0.467369	-0.615899	0.0754481	3.26E-16	0.00965061	0.0133314	0.4691253	0.1028788	20	0.84448908
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	1.17783	0.170207	4.52E-12	-0.0135763	0.00938317	0.1479304	0.5923469	7	0.69712322
ENSG00000178078	19	STAP2	4324040	rs60010631	19	4334310	T	C	0.300199	0.00508284	0.00835918	0.543152	0.609106	0.111695	4.94E-08	0.00834475	0.0138087	0.5456377	0.1152699	11	0.85270408
ENSG00000167670	19	CHAF1A	4402659	rs78869060	19	4444742	G	A	0.264414	-0.0126361	0.0102219	0.216392	-0.675482	0.106778	2.52E-10	0.0187068	0.015419	0.2250411	0.05257822	5	0.73294044
ENSG00000267769	19	CTB-50L17.9	4454011	rs11669263	19	4441407	T	C	0.240557	-0.0040491	0.0108794	0.709756	-0.92073	0.12529	2.00E-13	0.00439775	0.0118312	0.7101105	0.1006282	8	0.91378818
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.899554	0.101511	7.88E-19	-0.004606	0.00930066	0.6204348	0.03074231	7	0.8877792
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.591158	0.0832882	1.27E-12	-0.0089823	0.0140544	0.5227511	0.891001	4	0.84798393
ENSG00000268297	19	CLEC4GP1	7852435	rs8112157	19	7856561	C	T	0.445328	-0.0104213	0.00814573	0.20077	0.580984	0.0846495	6.72E-12	-0.0179373	0.0142621	0.2085024	0.3922505	6	0.70896241
ENSG00000233927	19	RPS28	8386042	rs3965185	19	8395410	C	T	0.537773	0.0125242	0.00808021	0.121145	-0.32308	0.0485778	2.92E-11	-0.038765	0.0256801	0.1311628	0.8612585	4	0.6915125
ENSG00000099785	19	2-Mar	8478154	rs17160489	19	8508391	A	G	0.67495	-0.0280355	0.00921028	0.00233507	-0.557824	0.0957942	5.77E-09	0.0502587	0.0186308	0.00698392	0.6485973	9	0.2914088
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.22369	0.163197	6.47E-14	0.00230811	0.0141459	0.8703889	0.9534789	3	0.97364622
ENSG00000174652	19	ZNF266	9523272	rs10405193	19	9514277	A	G	0.565606	-0.001761	0.00808714	0.827624	0.849589	0.0720006	3.91E-32	-0.0020727	0.00952051	0.8276523	0.6460368	20	0.95499982
ENSG00000129347	19	KRI1	10663761	rs11883423	19	10699338	A	G	0.684891	-0.005626	0.00880796	0.522988	0.63404	0.0946747	2.13E-11	-0.0088733	0.0139548	0.5248681	0.1084011	10	0.84798393
ENSG00000267174	19	CTC-510F12.4	11411453	rs322153	19	11414351	A	C	0.294235	0.0116218	0.00890191	0.191711	-0.747603	0.109852	1.01E-11	-0.0155454	0.0121244	0.1997861	0.7165452	6	0.70535632
ENSG00000269560	19	CTD-2192J16.21	12640582	rs4804718	19	12648793	T	C	0.652087	0.0148581	0.00868426	0.0870944	-0.724094	0.115381	3.48E-10	-0.0205196	0.012431	0.09880427	0.8398653	3	0.64933886
ENSG00000037757	19	MRI1	13875346	rs62111893	19	13874258	T	G	0.414513	-0.0047543	0.00815023	0.55967	-0.758216	0.102291	1.24E-13	0.00627035	0.0107825	0.5608814	0.4839962	3	0.85484589
ENSG00000141854	19	hsa-mir-1199	14183348	rs7258963	19	14185226	C	T	0.377734	0.0119263	0.00828898	0.150203	0.513793	0.0857736	2.10E-09	0.0232123	0.0165918	0.1618066	0.5185327	4	0.70535632
ENSG00000186529	19	CYP4F3	15751707	rs1290626	19	15757927	C	T	0.62326	-0.0197184	0.00820734	0.0162817	-0.661865	0.108769	1.16E-09	0.0297922	0.0133319	0.02543971	0.09087289	10	0.49468958
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.02977	0.0840619	1.68E-34	0.00546061	0.00793634	0.4914204	0.7948011	20	0.84798393
ENSG00000171903	19	CYP4F11	16023177	rs16981005	19	16074865	T	C	0.175944	0.0075764	0.0119578	0.526347	-0.515983	0.0898445	9.30E-09	-0.0146834	0.0233154	0.5288426	0.2153472	5	0.84798393
ENSG00000188039	19	NWD1	16830787	rs12983375	19	16831060	T	C	0.435388	0.00295434	0.00846322	0.727029	-0.437561	0.0703107	4.87E-10	-0.0067518	0.0193722	0.7274407	0.09840297	4	0.92352672
ENSG00000130312	19	MRPL34	17403418	rs7253389	19	17415781	T	G	0.426441	-0.0009474	0.00826353	0.908724	0.546127	0.0732442	8.90E-14	-0.0017348	0.0151329	0.9087348	0.08182392	4	0.97364622
ENSG00000130518	19	KIAA1683	18367908	rs62120440	19	18395112	A	G	0.528827	0.0154719	0.00814977	0.0576381	-0.542848	0.0944672	9.12E-09	-0.0285013	0.0158111	0.07144791	0.8594839	8	0.60060028
ENSG00000223802	19	CERS1	18979361	rs757113	19	18964955	T	G	0.822068	-0.0130016	0.00992043	0.189997	0.601924	0.101368	2.89E-09	-0.0216001	0.0168779	0.2006199	0.1016251	7	0.70535632
ENSG00000081665	19	ZNF506	19896648	rs72620575	19	19926560	G	A	0.16501	0.00234494	0.0099915	0.814446	0.914722	0.132962	6.00E-12	0.00256355	0.0109293	0.8145526	0.9265837	20	0.95391633
ENSG00000188171	19	ZNF626	20802867	rs2878754	19	20856068	G	T	0.257455	0.00701964	0.00940892	0.45563	0.581326	0.103565	1.99E-08	0.0120752	0.0163276	0.459568	0.961778	12	0.84448908
ENSG00000196268	19	ZNF493	21579921	rs11667259	19	21639989	C	G	0.511928	0.00830839	0.00805682	0.302436	0.484877	0.0860156	1.73E-08	0.017135	0.016892	0.3103964	0.1452025	6	0.7748198
ENSG00000268658	19	LINC00664	21666176	rs7253886	19	21613682	A	T	0.5	0.0105496	0.00807224	0.191245	-0.778208	0.121547	1.53E-10	-0.0135563	0.0105867	0.2003713	0.1022909	8	0.70535632
ENSG00000268433	19	RP11-420K14.2	21860352	rs35998933	19	21772288	T	C	0.333996	0.00671903	0.00846254	0.427211	-0.688683	0.119708	8.77E-09	-0.0097564	0.0124045	0.4315639	0.8175578	12	0.84448908
ENSG00000268535	19	RP11-420K14.3	21892324	rs12972593	19	21932574	C	G	0.576541	0.0026743	0.00806916	0.740324	-0.955285	0.106385	2.72E-19	-0.0027995	0.00845261	0.7404958	0.348834	20	0.92405924
ENSG00000197020	19	ZNF100	21905568	rs6511285	19	21890339	A	G	0.543738	0.00043438	0.00807261	0.957088	-0.484697	0.0779322	4.99E-10	-0.0008962	0.0166556	0.9570893	0.1750021	8	0.98929041
ENSG00000197134	19	ZNF257	22235254	rs111684505	19	22401097	G	A	0.259443	0.0140288	0.00903241	0.120383	-0.877261	0.145913	1.83E-09	-0.0159916	0.0106342	0.1326344	0.7266505	19	0.6915125
ENSG00000269416	19	CTB-175P5.4	23582035	rs687611	19	23632060	C	G	0.252485	-0.0074773	0.00933646	0.423205	0.820285	0.134057	9.42E-10	-0.0091155	0.011479	0.4271371	0.1940661	4	0.84203784
ENSG00000261770	19	CTC-459F4.1	28248092	rs12976414	19	28335731	G	A	0.837972	0.0138116	0.00916794	0.131935	-1.35753	0.128201	3.35E-26	-0.0101741	0.0068214	0.1358324	0.8082786	9	0.69419027
ENSG00000267014	19	CTD-2081K17.2	29493462	rs2288936	19	29501985	A	G	0.771372	-0.0024592	0.00970739	0.800013	-0.402179	0.0679227	3.20E-09	0.00611462	0.0241591	0.8001924	0.2009662	3	0.94859791
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.613552	0.0824511	9.96E-14	0.00173169	0.0131783	0.8954552	0.2078521	9	0.97364622
ENSG00000021488	19	SLC7A9	33321415	rs7245980	19	33464048	G	A	0.853877	0.0159344	0.0123219	0.195949	-0.911135	0.148763	9.08E-10	-0.0174885	0.0138218	0.2057705	0.211283	17	0.70896241
ENSG00000131941	19	RHPN2	33469499	rs8104270	19	33613393	G	C	0.354871	-0.0046765	0.0087389	0.59256	-0.48332	0.0758319	1.85E-10	0.0096757	0.0181446	0.593857	0.7274994	18	0.86872382
ENSG00000233527	19	AC092295.7	37063972	rs3108208	19	37140528	T	C	0.599404	0.00069012	0.00835463	0.934167	-0.792897	0.103831	2.23E-14	-0.0008704	0.0105375	0.9341704	0.8750553	6	0.97985908
ENSG00000226686	19	AC012309.5	37742814	rs256744	19	37855488	G	A	0.619284	0.00683589	0.00848303	0.420339	-1.23161	0.100286	1.15E-34	-0.0055504	0.00690257	0.4213381	0.2287261	20	0.83955616
ENSG00000267422	19	CTD-2554C21.1	38270326	rs57654288	19	38078771	A	G	0.361829	-0.0113952	0.00878725	0.194706	0.711939	0.129036	3.44E-08	-0.0160059	0.012679	0.2068092	0.455394	4	0.70896241

ENSG00000128626	19	MRPS12	39421188	rs151114952	19	39822925	A	G	0.0308151	-0.0254595	0.0244835	0.298403	0.949944	0.165949	1.04E-08	-0.0268011	0.0261954	0.3062514	0.5220012	3	0.77119938
ENSG00000269486	19	CTC-360G5.9	39425976	rs10775533	19	39400175	G	C	0.66004	-0.0052982	0.00863722	0.5396	-0.593998	0.102008	5.78E-09	0.00891959	0.0146213	0.5418341	0.2939565	6	0.85267164
ENSG00000198077	19	CYP2A7	41381344	rs7251315	19	41379843	A	G	0.50994	-0.0061123	0.0082358	0.457993	0.656582	0.117315	2.18E-08	-0.0093092	0.0126532	0.4619036	0.39248	4	0.84448908
ENSG00000007129	19	CEACAM21	42055886	rs3745936	19	42092815	T	A	0.22664	0.0119828	0.00923907	0.194641	-0.479426	0.0728965	4.81E-11	-0.0249941	0.0196423	0.2032084	0.8773904	13	0.70535632
ENSG00000239736	19	CEACAMP3	42106090	rs3745936	19	42092815	T	A	0.22664	0.0119828	0.00923907	0.194641	0.993881	0.106928	1.47E-20	0.0120566	0.00938601	0.1989581	0.8735144	13	0.70535632
ENSG00000104783	19	KCNN4	44270685	rs62116961	19	44283843	C	G	0.34493	0.0115825	0.00847043	0.171498	0.634296	0.115775	4.28E-08	0.0182604	0.0137637	0.184606	0.05497735	9	0.70535632
ENSG00000176222	19	ZNF404	44376515	rs108775	19	44405922	C	G	0.512922	-0.0039527	0.00806048	0.623866	-0.684171	0.0972477	1.99E-12	0.00577734	0.01181	0.6247057	0.9990289	8	0.88945142
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.24838	0.155521	9.98E-16	-0.0050371	0.00813723	0.5359059	0.9040759	5	0.85022852
ENSG00000181027	19	FKRP	47249303	rs12986248	19	47252875	G	A	0.581511	-0.0251862	0.00819012	0.00210363	-0.64394	0.0851397	3.93E-14	0.0391127	0.0137299	0.0043895	0.04726699	12	0.25103777
ENSG00000182324	19	KCNJ14	48958766	rs1629754	19	48952540	A	G	0.884692	0.0194594	0.0121354	0.108819	-0.675598	0.122251	3.27E-08	-0.0288032	0.0187033	0.1235593	0.4395579	13	0.6858401
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.718619	0.0763129	4.65E-21	0.0132625	0.0122918	0.280602	0.04423909	10	0.7613838
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.955004	0.135569	1.86E-12	0.00770026	0.00970353	0.4274558	0.8707457	8	0.84203784
ENSG00000254415	19	SIGLEC14	52145806	rs73052830	19	52160765	C	A	0.130219	-0.0085021	0.0100876	0.399328	-0.78101	0.129866	1.81E-09	0.010886	0.0130423	0.4039057	0.06010912	9	0.82687629
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	1.13228	0.0944817	4.30E-33	0.00800424	0.00734269	0.275671	0.1408792	15	0.76072457
ENSG00000167555	19	ZNF528	52901102	rs1820691	19	52916988	G	T	0.771372	-0.0004436	0.00917951	0.961457	0.779275	0.0820353	2.11E-21	-0.0005692	0.0117797	0.9614579	0.3117093	15	0.98929041
ENSG00000198633	19	ZNF534	52932440	rs17836094	19	52922410	A	G	0.0874751	-0.0099118	0.0163217	0.543667	1.34838	0.196881	7.45E-12	-0.0073509	0.0121522	0.5452431	0.3665479	13	0.85270408
ENSG00000167766	19	ZNF83	53097313	rs7256557	19	53119166	A	G	0.350895	-0.017054	0.00834443	0.0409779	0.587495	0.0851993	5.37E-12	-0.0290283	0.0148141	0.05005397	0.7214598	15	0.57562556
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.486141	0.0836587	6.21E-09	-0.0238447	0.0176157	0.175861	0.1510324	3	0.70535632
ENSG00000170949	19	ZNF160	53569859	rs11084219	19	53610766	T	G	0.477137	0.00679733	0.00811036	0.401972	0.540325	0.08151	3.38E-11	0.0125801	0.0151296	0.4056995	0.1431601	11	0.82687629
ENSG00000170954	19	ZNF415	53611132	rs12985137	19	53617818	T	C	0.579523	0.0131474	0.00810928	0.104957	0.528451	0.0846645	4.33E-10	0.0248791	0.0158546	0.1166001	0.3591205	4	0.68169746
ENSG00000197937	19	ZNF347	53627325	rs12985137	19	53617818	T	C	0.579523	0.0131474	0.00810928	0.104957	0.506659	0.0805178	3.12E-10	0.0259492	0.0165281	0.1164143	0.4047474	8	0.68169746
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-0.974186	0.125886	1.01E-14	0.00393398	0.0106038	0.7106396	0.5570342	13	0.91378818
ENSG00000167608	19	TMC4	54663846	rs641738	19	54676763	C	T	0.559642	-0.010957	0.00825761	0.184545	0.582654	0.0862086	1.39E-11	-0.0188053	0.014443	0.1929021	0.2769268	9	0.70535632
ENSG00000267838	19	AC008746.12	54949847	rs28713630	19	54944791	C	A	0.258449	-0.0008357	0.0095803	0.930488	-0.574534	0.0888328	9.96E-11	0.00145457	0.0166764	0.9304941	0.9393516	7	0.9787673
ENSG00000022556	19	NLRP2	55464498	rs269913	19	55481669	C	T	0.483101	-0.0020358	0.00810006	0.801554	0.665739	0.101465	5.34E-11	-0.003058	0.0121759	0.8016964	0.9080926	13	0.94859791
ENSG00000080031	19	PTPRH	55692616	rs76990668	19	55718695	C	T	0.0745527	-0.0200769	0.0147492	0.173444	-0.895124	0.110682	6.10E-16	0.0224292	0.016709	0.1794863	0.1268978	4	0.70535632
ENSG00000108106	19	UBE2S	55912652	rs57653706	19	56575188	T	C	0.134195	-0.0118943	0.0123218	0.33439	-0.568464	0.0985528	8.02E-09	0.0209236	0.021977	0.3410638	0.358596	4	0.79692145
ENSG00000160505	19	NLRP4	56347944	rs381809	19	56368765	T	C	0.39662	0.00299483	0.00809055	0.711261	0.965683	0.109912	1.55E-18	0.00310126	0.00838549	0.7115048	0.2716466	3	0.91392221
ENSG00000269696	19	AC007228.11	57056935	rs12981980	19	57050648	A	G	0.292247	-0.0180638	0.00895414	0.0436576	0.658494	0.0943949	3.04E-12	-0.027432	0.0141551	0.05262818	0.8310663	11	0.57562556
ENSG00000131845	19	ZNF304	57862675	rs12973051	19	57877882	G	A	0.439364	-0.0010365	0.00807224	0.897831	-0.556197	0.0960302	6.96E-09	0.00186353	0.0145168	0.897856	0.2894234	13	0.97364622
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	1.11261	0.091476	4.90E-34	-0.0008788	0.00726991	0.9037845	0.6926054	20	0.97364622
ENSG00000270804	19	CTD-2583A14.11	58379253	rs13343787	19	58389260	G	C	0.285288	0.00540652	0.00849418	0.524452	0.894832	0.131775	1.12E-11	0.00604194	0.00953409	0.5262641	0.2129381	6	0.84798393
ENSG00000176593	19	CTD-2368P22.1	58513429	rs1035522	19	58510932	C	T	0.703777	0.0158274	0.00885709	0.0739418	-0.514027	0.0785512	6.00E-11	-0.030791	0.0178617	0.08473389	0.2720763	6	0.64593039
ENSG00000213753	19	RPL23AP79	59084870	rs895374	19	59066918	C	A	0.596421	-0.0073105	0.00848721	0.389044	0.517467	0.074733	4.38E-12	-0.0141274	0.0165279	0.3926816	0.7064889	13	0.81787498
ENSG00000101255	20	TRIB3	361261	rs6051544	20	355848	A	G	0.405567	0.00526009	0.00820277	0.521356	0.651497	0.102044	1.72E-10	0.00807385	0.012654	0.5234428	0.7388693	13	0.84798393
ENSG00000101307	20	SIRPB1	1544167	rs4813331	20	1897442	T	C	0.374751	-0.001907	0.0083717	0.819812	0.924596	0.11986	1.22E-14	-0.0020625	0.00905839	0.8198894	0.9999736	12	0.95489157
ENSG00000125877	20	ITPA	3189514	rs11699145	20	3185313	A	G	0.128231	-0.0002764	0.0146684	0.984964	-0.812675	0.134766	1.64E-09	0.00034015	0.0180496	0.9849644	0.4071916	4	0.99406911
ENSG00000101290	20	CDS2	5107432	rs6053191	20	5180277	C	T	0.455268	-0.0075007	0.00826618	0.364198	0.266327	0.0468085	1.27E-08	-0.0281634	0.0314299	0.3702153	0.4318251	14	0.81190142
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	0.997701	0.135538	1.83E-13	0.0032778	0.00989467	0.7404414	0.9947214	4	0.92405924
ENSG00000125885	20	MCM8	5931298	rs236118	20	5938207	A	G	0.175944	-0.0025937	0.00983892	0.792078	-0.559709	0.0896677	4.32E-10	0.00463396	0.0175943	0.7922588	0.2717874	7	0.94610551
ENSG00000101310	20	SEC23B	18488137	rs11907525	20	18675905	C	T	0.0745527	-0.0068957	0.0148495	0.642381	0.622832	0.10938	1.24E-08	-0.0110715	0.0239211	0.6434824	0.4625581	9	0.89967679
ENSG00000225056	20	RP11-218C14.5	23635862	rs2424591	20	23637093	T	G	0.847913	0.0107414	0.0106382	0.31264	-0.598531	0.103261	6.78E-09	-0.0179463	0.0180415	0.3198718	0.5046926	6	0.77743769
ENSG00000175170	20	FAM182B	25744102	rs2424750	20	25978849	A	C	0.599404	-0.0112209	0.00822069	0.172267	0.771608	0.117774	5.69E-11	-0.0145422	0.0108827	0.1814624	0.5807793	20	0.70535632
ENSG00000125804	20	FAM182A	26035291	rs2424750	20	25978849	A	C	0.599404	-0.0112209	0.00822069	0.172267	-0.942081	0.133998	2.06E-12	0.0119108	0.00888903	0.1802652	0.6547096	20	0.70535632
ENSG00000205611	20	RP4-610C12.4	29513582	rs4892328	20	29623049	C	A	0.501988	0.0191054	0.00807955	0.0180468	-0.549252	0.0887337	6.02E-10	-0.0347844	0.0157469	0.02717732	0.898239	20	0.50215325
ENSG00000101412	20	E2F1	32263489	rs6119395	20	32244711	T	G	0.329026	-0.0027861	0.00838271	0.739617	-0.541099	0.0894061	1.43E-09	0.00514893	0.0155154	0.7399948	0.5327587	19	0.92405924
ENSG00000126005	20	MMP24-AS1	33804265	rs8117162	20	33869167	C	T	0.201789	0.0202639	0.00964254	0.0355959	-0.683507	0.0862344	2.26E-15	-0.029647	0.0145949	0.04222206	0.9516655	6	0.55549964
ENSG00000224497	20	RPL36P4	34132175	rs1010759	20	34147630	A	G	0.149105	0.00084224	0.0139649	0.951907	1.24498	0.170087	2.49E-13	0.00067651	0.0112173	0.9519092	0.1976722	7	0.98929041
ENSG00000214078	20	CPNE1	34213953	rs7273174	20	34350306	C	T	0.110338	0.00422571	0.0140114	0.762964	-1.05454	0.135003	5.66E-15	-0.0040072	0.0132966	0.7631352	0.8857485	20	0.93553219
ENSG00000224635	20	RP4-564F22.5	37034658	rs1315306	20	37064744	G	A	0.219682	0.00849518	0.0103064	0.409791	1.17662	0.139396	3.15E-17	0.00721999	0.00880099	0.4120107	0.5462049	14	0.8316384
ENSG00000196756	20	SNHG17	37049235	rs788347	20	37062583	T	C	0.159046	0.0114055	0.0110916	0.30381	1.37228	0.129136	2.24E-26	0.00831135	0.00812036	0.3060621	0.6941546	20	0.77119938
ENSG00000124116	20	WFDC3	44376583	rs3746493	20	44418564	G	A	0.656064	-0.0072242	0.00853616	0.397382	1.06769	0.109531	1.88E-22	-0.0067662	0.00802505	0.3991535	0.7885952	20	0.82086191
ENSG00000225849	20	MKRN7P	45092541	rs45456397	20	44981692	A	C	0.0656064	-0.0057375	0.0145329	0.692995	1.33148	0.229087	6.17E-09	-0.0043091	0.01094	0.693664	0.4953481	3	0.91378818
ENSG00000231742	20	RP11-112L6.4	48789087	rs6012867	20	48789745	C	T	0.34493	0.00748702	0.00845137	0.375675	0.690536	0.12332	2.15E-08	0.0108423	0.0123911	0.3815678	0.1100316	4	0.81431231
ENSG00000101158	20	NELFCD	57556263	rs17851253	20	57564695	T	C	0.119284	0.00182028	0.0108145	0.866332	-0.891807	0.125272	1.09E-12	-0.0020411	0.0121299	0.8663697	0.957283	16	0.97364622
ENSG00000101190	20	TCFL5	61472467	rs4809433	20	61496447	G	A	0.276342	0.0190232	0.00918767	0.0384043	0.416436	0.0640258	7.81E-11	0.045681	0.0231535	0.04850026	0.2904062	7	0.57106679
ENSG00000273492	21	AP000230.1	27543189	rs74338537	21	27613265	T	C	0.247515	-0.0140702	0.00913097	0.123333	0.664519	0.109992	1.53E-09	-0.0211735	0.0141806	0.1354033	0.1860486	10	0.69419027
ENSG00000156253	21	RWDD2B	30376705	rs2832155	21	30410350	C	A	0.71173	-0.0211194	0.0106838	0.0480684	-0.629745	0.0918542	7.09E-12	0.0335364	0.0176564	0.05751292	0.2363214	20	0.57562556
ENSG00000159212	21	CLIC6	36041688	rs35509244	21	36065090	A	G	0.183897	-0.0033311	0.0107503	0.756667	0.867993	0.139013	4.27E-10	-0.0038377	0.0124005	0.7569569	0.08444247	8	0.93433221
ENSG00000224790	21	AP000704.5	38338812	rs2032087	21	38329158	A	C	0.393638	0.0077228	0.00809941	0.340336	-0.752803	0.115956	8.46E-11	-0.0102587	0.0108744	0.3454861	0.2799841	13	0.79763646
ENSG00000182093	21	WRB	40752170	rs2837002	21	40763986	G	T	0.693837	-0.0176086	0.00964693	0.0679548	-0.581101	0.0856236	1.15E-11	0.0303021	0.0171911	0.07795669	0.2877346	19	0.62836231
ENSG00000157578	21	LCA5L	40777770	rs8130246	21	40785851	G	A	0.526839	-0.0040669	0.00808821	0.615088	-0.678545	0.099801	1.05E-11	0.00599362	0.0119525	0.6160518	0.08690328	18	0.88605361
ENSG00000226496	21	LINC00323	42513427	rs9980363	21	42520134	C	T	0.192843	0.0244683	0.0113088	0.0304916	-0.946527	0.128893	2.08E-13	-0.0258506	0.0124555	0.03794559	0.6987921	12	0.55549964
ENSG00000182240	21	BACE2	42539728	rs13049838	21	42513675	A	G	0.2167	0.0175875	0.0110776	0.112363	-0.649141	0.09833	4.07E-11	-0.0270935	0.0175516	0.1226731	0.2464735	8	0.6858401
ENSG00000183844	21	FAM3B	42676139	rs58609757	21	42702677	A	G	0.0914513	-0.0071504	0.0157168	0.649142	0.957079	0.165933	8.03E-09	-0.0074711	0.0164726	0.6501575	0.2748712	4	0.90069533
ENSG00000184385	21	C21orf128	43522244	rs8127300	21	43529642	C	A	0.229622	-0.0026376	0.00983072	0.788464	0.894849	0.157253	1.27E-08	-0.0029476	0.0109981	0.7886931	0.04318092	6	0.94610551
ENSG00000160200	21	CBS	44473301	rs35879780	21	44413457	A	G	0.141153	0.00962485	0.0102659	0.348473	-1.26793	0.194333	6.82E-11	-0.007591	0.00817975	0.3533956	0.5969864	5	0.80107257
ENSG00000241945	21	PWP2	45527171	rs6518345	21	45477100	A	G	0.2833	0.00450114	0.00962377	0.639991	1.17845	0.121198	2.40E-22	0.00381954	0.00817591	0.6403779	0.4248678	17	0.89847413
ENSG00000160221	21	C21orf33	45553487	rs9981485	21	45515366	G	A	0.17992	0.00099668	0.0108812	0.927018	1.39623	0.144461	4.24E-22	0.00071384	0.00779362	0.9270217	0.1832931	15	0.9787673
ENSG00000261706	21	AP001505.9	46414277	rs7275879	21	46428108	G	C	0.772366	-0.0104057	0.00939324	0.267954	-0.934773	0.155867	2.01E-09	0.0111318	0.0102187	0.2759962	0.4821752	5	0.76072457
ENSG00000223768	21	LINC00205	46713200	rs35871601	21	46675214	T	C	0.296223	0.0126178	0.00924595	0.172352	-0.642886	0.0754483	1.58E-17	-0.0196268	0.0145652	0.1778156	0.5653998	14	0.70535632
ENSG00000182871	21	COL18A1	46825052	rs2236456	21	46893767	G	A	0.125249	0.00808673	0.0113058	0.47444	-0.678978	0.107053	2.26E-10	-0.0119101	0.0167568	0.4772286	0.5854106	9	0.84587273
ENSG00000160282	21	FTCD	47556176	rs55689527	21	47622727	G	A	0.38668	-0.0103184	0.00813119	0.204444	-0.596798	0.0965636	6.40E-10	0.0172896	0.0139089	0.2138466	0.3594595	9	0.71376031
ENSG00000182362	21	YBEY	47706251	rs62224180	21	47726332	G	C	0.785288	-0.0182852	0.00947401	0.0536019	-0.716592	0.120752	2.95E-09	0.0255169	0.0139026	0.06644515	0.5503569	15	0.59137223
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.18788	0.109514	2.06E-27	0.0133295	0.00790853	0.09189912	0.4306597	15	0.64593039
ENSG00000093072	22	CECR1	17660194	rs5992639	22	17680971	A	G	0.497018	-0.0109395	0.00808566	0.176072	0.578442	0.0964894	2.04E-09	-0.018912	0.0143299	0.1869157	0.607097	10	0.70535632
ENSG00000273164	22	DGCR10	19010569	rs2005598	22	19012751	G	A	0.303181	0.0133498	0.0086527	0.122868	-0.733575	0.100335	2.65E-13	-0.0181983	0.012055	0.131145	0.2615287	20	0.6915125
ENSG00000230513	22	THAP7-AS1	21356175	rs12165467	22	21366206	T	C	0.212724	0.00809254	0.00951854	0.395221	-1.0634	0.125361	2.20E-17	-0.0076101	0.00899589	0.3975813	0.251774	12	0.82043839
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.38608	0.198385	2.81E-12	0.00553319	0.0129148	0.6683311	0.8331316	4	0.90650357
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.941507	0.0929532	4.12E-24	-0.0011626	0.00885371	0.8955299	0.1882898	20	0.97364622
ENSG00000228050	22	TOP3BP1	22577580	rs5756324	22	22335125	C	T	0.256461	-0.0006001	0.00931467	0.948635	0.895104	0.117114	2.12E-14	-0.0006704	0.0104066	0.9486366	0.1602911	8	0.98929041
ENSG00000185686	22	PRAME	22890123	rs467133	22	22918595	G	A	0.252485	0.00320028	0.0111074	0.773254	0.930969	0.156532	2.72E-09	0.00343758	0.011945	0.7735121	0.8164987	7	0.94217853
ENSG00000186716	22	BCR	23521891	rs4822384	22	23663848	G	T	0.616302	0.0125275	0.00818309	0.125793	0.362751	0.0604084	1.91E-09	0.0345347	0.02328	0.1379543	0.2772507	4	0.69712322
ENSG00000133519	22	ZDHHC8P1	23732793	rs8135792	22	23744814	A	G	0.0238569	-0.0203824	0.0280214	0.46699	0.795151	0.110316	5.68E-13	-0.0256334	0.0354193	0.4692431	0.9257703	3	0.84448908
ENSG00000189269	22	C22orf43	23950639	rs9620294	22	23982792	C	T	0.168986	-0.0042005	0.0139281	0.762969	-0.982876	0.175982	2.34E-08	0.00427367	0.0141914	0.7633038	0.6839634	6	0.93553219
ENSG00000218537	22	AP000350.4	24236613	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.992277	0.115305	7.59E-18	0.00884199	0.00847739	0.2969447	0.3315737	19	0.76954774
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.04205	0.0870767	5.29E-33	0.00841965	0.00804379	0.2952256	0.2866434	20	0.76954774
ENSG00000225282	22	AP000350.6	24269087	rs5751775	22	24266726	C	T	0.609344	0.00863968	0.00835042	0.300837	0.868123	0.112933	1.51E-14	0.00995214	0.00970567	0.3051774	0.244633	14	0.77119938
ENSG00000133433	22	GSTT2B	24299601	rs2330634	22	24250795	G	C	0.62326	0.0107858	0.00837478	0.197785	-0.856712	0.0905064	2.91E-21	-0.0125898	0.00986556	0.2019085	0.4079667	20	0.70535632
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.776584	0.113444	7.62E-12	0.0159451	0.0108568	0.141923	0.4524462	18	0.69712322
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.30701	0.140763	1.61E-20	-0.0098267	0.00840387	0.2422801	0.5963486	12	0.74642061
ENSG00000224205	22	AP000351.4	24329511	rs140264	22	24293976	G	T	0.604374	0.00909619	0.00839411	0.278524	0.960484	0.10053	1.24E-21	0.00947042	0.00879549	0.2815982	0.6059284	20	0.7613838
ENSG00000128262	22	POM121L9P	24647796	rs34288539	22	24642009	T	C	0.293241	-0.0087458	0.00868055	0.313685	-0.511971	0.092284	2.89E-08	0.0170826	0.0172325	0.3215369	0.9523604	5	0.77743769
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.0003	0.179207	2.38E-08	0.0400654	0.017166	0.01959564	0.4846319	3	0.4723718
ENSG00000234688	22	RP1-293L6.1	37099963	rs41376249	22	37110759	A	G	0.106362	0.0150971	0.0109816	0.169205	0.78276	0.132697	3.66E-09	0.019287	0.0144053	0.1806087	0.06681145	5	0.70535632
ENSG00000133466	22	C1QTNF6	37576207	rs5756558	22	37608711	T	C	0.528827	-0.0103666	0.00808594	0.199824	-0.482378	0.0836003	7.92E-09	0.0214906	0.0171715	0.2107407	0.341441	4	0.70896241
ENSG00000233360	22	Z83844.1	38037839	rs35662099	22	38053909	T	C	0.399602	-0.0181519	0.00830099	0.0287634	0.774012	0.12199	2.23E-10	-0.0234517	0.0113437	0.03869838	0.8929808	4	0.55549964
ENSG00000100106	22	TRIOBP	38093011	rs4821698	22	38115318	T	C	0.332008	0.00622659	0.00836981	0.456916	-0.434761	0.0767009	1.44E-08	-0.0143219	0.0194166	0.4607522	0.3740904	11	0.84448908
ENSG00000100151	22	PICK1	38452318	rs2076370	22	38463968	G	A	0.61332	-0.0042903	0.00893926	0.631268	-0.388424	0.0618176	3.31E-10	0.0110455	0.0230812	0.6322591	0.980745	12	0.89124786
ENSG00000235209	22	CTA-150C2.13	39317232	rs6001315	22	39304924	G	A	0.630219	0.0146383	0.00839842	0.0813373	0.771495	0.137428	1.98E-08	0.0189739	0.0113985	0.09599332	0.09079032	3	0.64933886
ENSG00000239713	22	APOBEC3G	39436924	rs2899313	22	39482023	A	C	0.617296	-0.0014399	0.0081299	0.859417	-0.50952	0.0853564	2.38E-09	0.00282605	0.015963	0.859479	0.2340952	6	0.97364622
ENSG00000100399	22	CHADL	41625517	rs74915033	22	42625640	G	C	0.0258449	-0.0735459	0.04144	0.0759381	-1.13072	0.185503	1.09E-09	0.0650434	0.0381711	0.0883816	0.5559729	11	0.64593039
ENSG00000183172	22	SMDT1	42475695	rs133380	22	42468910	T	C	0.648111	-0.0053038	0.00824797	0.520197	0.405327	0.0628371	1.12E-10	-0.0130852	0.0204498	0.5222578	0.9597163	12	0.84798393
ENSG00000184983	22	NDUFA6	42481529	rs29001678	22	42526524	A	G	0.0298211	0.012628	0.0279696	0.651637	0.788844	0.122442	1.17E-10	0.0160082	0.0355434	0.6524324	0.3334572	7	0.90069533
ENSG00000100197	22	CYP2D6	42522501	rs2743461	22	42540551	A	G	0.536779	-0.0052033	0.00806	0.518556	0.701983	0.077774	1.78E-19	-0.0074123	0.0115111	0.5196228	0.09969488	20	0.84798393
ENSG00000100376	22	FAM118A	45704849	rs5765271	22	45746826	G	T	0.865805	0.0127513	0.0105659	0.227499	-1.38145	0.141367	1.48E-22	-0.0092304	0.00770652	0.2310198	0.5783168	15	0.73974737
ENSG00000130943	22	PKDREJ	46651560	rs11090872	22	46781498	A	G	0.0944334	0.0264608	0.0159092	0.0962654	-1.0128	0.167441	1.46E-09	-0.0261264	0.0162912	0.1087771	0.4169564	11	0.67183201
ENSG00000075234	22	TTC38	46663858	rs57866552	22	46689229	T	C	0.0248509	-0.0228733	0.0296319	0.440166	1.05496	0.151361	3.17E-12	-0.0216817	0.0282599	0.4429485	0.481248	11	0.84448908
ENSG00000260708	22	CTA-29F11.1	47157791	rs5769138	22	47157221	C	G	0.306163	-0.0012294	0.00850611	0.885077	-0.620536	0.0969358	1.54E-10	0.00198125	0.0137112	0.8851062	0.6043604	5	0.97364622
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.42922	0.193938	1.71E-13	0.0352491	0.0187237	0.05975583	0.00265007	10	0.57562556
ENSG00000188130	22	MAPK12	50683879	rs6010220	22	50693554	G	A	0.700795	0.00190638	0.00897369	0.831763	-0.559787	0.0922376	1.29E-09	-0.0034056	0.0160404	0.8318644	0.9467847	3	0.95499982
ENSG00000100239	22	PPP6R2	50781733	rs79713091	22	50881302	A	G	0.0974155	0.00738871	0.0116348	0.525394	0.83072	0.126662	5.43E-11	0.00889434	0.0140712	0.5273239	0.8178953	13	0.84798393
ENSG00000217442	22	SYCE3	50989541	rs78789402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.3992	0.201731	4.03E-12	0.00250877	0.0109727	0.8191513	0.6571618	12	0.95489157
ENSG00000205560	22	CPT1B	51007290	rs2269382	22	51018911	T	C	0.0377734	-0.018052	0.0179952	0.315785	-0.898787	0.134477	2.33E-11	0.0200848	0.0202459	0.3211759	0.9882849	12	0.77743769
ENSG00000100299	22	ARSA	51061182	rs6151429	22	51063477	C	T	0.0815109	-0.0164026	0.0215329	0.446214	-1.05696	0.186333	1.41E-08	0.0155187	0.0205554	0.4502676	0.888717	5	0.84448908
ENSG00000205664	23	RP11-706O15.1	3735569	rs28410820	23	3724803	T	A	0.52611	-0.0093424	0.00713347	0.190313	0.453547	0.0766646	3.30E-09	-0.0205985	0.016109	0.2010035	0.7568633	7	0.70535632
ENSG00000205642	23	VCX3B	8432871	rs2404240	23	8439382	C	T	0.421671	0.00322087	0.00712926	0.651426	-0.555073	0.0981589	1.56E-08	-0.0058026	0.0128847	0.6524604	0.73987	4	0.90069533
ENSG00000046647	23	GEMIN8	14026398	rs56397509	23	14054621	G	C	0.318538	0.00277567	0.00774115	0.719923	-0.41656	0.0683324	1.09E-09	-0.0066633	0.0186156	0.7203869	0.9516237	9	0.92138942
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.353921	0.0435671	4.53E-16	-0.0257536	0.0215768	0.2326437	0.07541996	14	0.73974737
ENSG00000165197	23	FIGF	15363713	rs3827466	23	15512734	G	A	0.650131	0.019018	0.00759353	0.0122625	0.443347	0.0760618	5.58E-09	0.0428964	0.0186419	0.02138736	0.07036301	8	0.49328842
ENSG00000087842	23	PIR	15402921	rs6527616	23	15516974	G	A	0.633159	0.0172901	0.0075522	0.0220557	0.549407	0.0714458	1.47E-14	0.0314705	0.0143424	0.02821872	0.04026739	15	0.51146001
ENSG00000147003	23	TMEM27	15645441	rs5934269	23	15733994	G	A	0.52611	-0.0008158	0.00705957	0.907998	0.554799	0.080759	6.43E-12	-0.0014705	0.0127264	0.9080108	0.844554	5	0.97364622
ENSG00000169249	23	ZRSR2	15808595	rs5980192	23	15817963	G	A	0.734987	-0.0090658	0.00810155	0.263132	-0.375281	0.0640334	4.61E-09	0.0241573	0.0219779	0.2716976	0.4126062	4	0.75534449
ENSG00000147164	23	SNX12	70279094	rs34211894	23	70282696	G	A	0.586162	-0.0012872	0.00706388	0.855414	-0.424247	0.0679899	4.38E-10	0.00303396	0.0166575	0.8554744	0.9130708	3	0.97364622
ENSG00000204118	23	NAP1L6	72345876	rs12687700	23	72583687	T	C	0.0456919	-0.012994	0.0152208	0.393271	0.729626	0.125307	5.79E-09	-0.0178091	0.0210841	0.3982952	0.1498022	11	0.82050178
ENSG00000225470	23	JPX	73164159	rs67649459	23	73289597	G	C	0.0587467	-0.0332628	0.024889	0.181404	-0.759425	0.116667	7.55E-11	0.0438	0.0334571	0.1904874	0.1652963	13	0.70535632
ENSG00000155008	23	APOOL	84258832	rs688407	23	84196526	G	T	0.288512	-0.0190464	0.00790398	0.0159647	-0.412567	0.0657254	3.45E-10	0.0461656	0.0205212	0.0244711	0.1199865	13	0.49468958
ENSG00000231728	23	LL0XNC01-116E7.	103172005	rs178124	23	103348798	G	A	0.332898	-0.0041027	0.00729243	0.573709	-0.545754	0.0985015	3.01E-08	0.00751749	0.0134308	0.5756711	0.7875607	4	0.86027764
ENSG00000077713	23	SLC25A43	118533023	rs217991	23	118552879	G	C	0.560052	-0.0150023	0.00717005	0.0364058	0.387914	0.0567812	8.39E-12	-0.0386743	0.0193311	0.04543246	0.9884674	14	0.55606397
ENSG00000018610	23	CXorf56	118672112	rs12011895	23	118632618	A	G	0.0417755	0.00673613	0.019649	0.731732	-0.839455	0.114185	1.96E-13	-0.0080244	0.0234323	0.7320116	0.9771344	15	0.92405924
ENSG00000183631	23	CXorf64	125953747	rs5931715	23	125953932	G	A	0.843342	0.00560225	0.00854444	0.512042	-0.569241	0.0928086	8.60E-10	-0.0098416	0.0150958	0.5144361	0.2702033	7	0.84798393
ENSG00000212747	23	FAM127C	134154543	rs12393687	23	134134216	G	A	0.434726	0.00449667	0.00719258	0.531852	0.361308	0.0659497	4.29E-08	0.0124455	0.0200363	0.5345006	0.566036	4	0.85022852
ENSG00000169551	23	CXorf48	134290461	rs12839853	23	134201479	G	A	0.43342	0.00472008	0.0071864	0.511305	-0.470669	0.0863241	4.97E-08	-0.0100284	0.0153789	0.5143412	0.5220331	5	0.84798393
ENSG00000238039	23	AF011889.2	148593039	rs11797408	23	148626523	G	A	0.694517	0.0061248	0.00725816	0.398753	-0.733493	0.0872499	4.21E-17	-0.0083502	0.00994506	0.4011153	0.9698503	11	0.82348628
ENSG00000130032	23	PRRG3	150863596	rs35662236	23	150863991	T	C	0.518277	-0.0048579	0.00726914	0.503948	-0.215187	0.0359072	2.06E-09	0.0225752	0.03399	0.5065798	0.2805982	6	0.84798393
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.16014	0.180296	1.24E-10	-0.0116144	0.0180275	0.5194071	0.5232673	6	0.84798393
ENSG00000130822	23	PNCK	152935185	rs192387453	23	152954317	C	T	0.108355	0.00965911	0.0115266	0.402041	-0.515217	0.0822588	3.77E-10	-0.0187477	0.0225717	0.406209	0.9499422	8	0.82687629
ENSG00000184343	23	SRPK3	153041867	rs2269366	23	153049739	T	C	0.165796	0.00769612	0.00894393	0.389522	-0.387358	0.0642508	1.65E-09	-0.0198682	0.0233236	0.3942961	0.4888114	3	0.81787498
ENSG00000177854	23	TMEM187	153237778	rs4898465	23	153208140	C	G	0.191906	0.0108509	0.00931566	0.244099	-0.52493	0.0871363	1.70E-09	-0.0206711	0.0180752	0.2527809	0.04090429	16	0.74642061
ENSG00000147403	23	RPL10	153618315	rs2070827	23	153582703	A	G	0.0809399	0.00477683	0.0101103	0.63659	-0.308824	0.0558098	3.14E-08	-0.0154678	0.0328572	0.637813	0.8126182	4	0.8959946

Table S11. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in cerebellum

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000237491	1	RP11-206L10.9	714150	rs28692873	1	724324	A	G	0.0447316	-0.0181575	0.0426037	0.669965	1.14499	0.128776	6.04E-19	-0.0158582	0.0372515	0.6703217	0.1909013	5	0.92466627
ENSG00000230092	1	RP11-206L10.8	736259	rs113462541	1	706778	A	G	0.763419	-0.0046267	0.00897893	0.606351	-0.62735	0.109356	9.65E-09	0.00737505	0.0143701	0.6077958	0.8189833	5	0.90341567
ENSG00000225880	1	LINC00115	761586	rs3131966	1	754964	T	C	0.836978	-0.0087167	0.0102009	0.392822	-0.57899	0.0672793	7.58E-18	0.0150551	0.0177051	0.3951442	0.9933745	11	0.82770689
ENSG00000230368	1	FAM41C	803451	rs371458725	1	770886	A	G	0.0914513	-0.0043619	0.0126373	0.729977	-0.69056	0.124029	2.58E-08	0.00631642	0.0183352	0.7304725	0.6827507	8	0.94273217
ENSG00000187634	1	SAMD11	860260	rs28576697	1	870645	C	T	0.292247	0.00944332	0.00854703	0.269218	-0.462813	0.078081	3.08E-09	-0.0204042	0.0187857	0.2774094	0.1228151	9	0.76430333
ENSG00000272512	1	RP11-54O7.17	931346	rs2799060	1	931362	A	G	0.360835	-0.0060207	0.00818077	0.461758	-0.581304	0.0711501	3.08E-16	0.0103572	0.0141301	0.4635654	0.5558046	20	0.85740342
ENSG00000131591	1	C1orf159	1017198	rs6604966	1	1033670	C	T	0.166998	-0.0046407	0.00996291	0.641362	-0.480839	0.0659761	3.14E-13	0.00965123	0.0207621	0.6420402	0.777038	13	0.91946723
ENSG00000186827	1	TNFRSF4	1146706	rs77472198	1	1159024	T	C	0.0904573	-0.0181018	0.0136102	0.183511	-0.608108	0.10812	1.86E-08	0.0297674	0.0229985	0.1955547	0.5704638	15	0.69727012
ENSG00000176022	1	B3GALT6	1167629	rs77472198	1	1159024	T	C	0.0904573	-0.0181018	0.0136102	0.183511	-0.588863	0.0532356	1.93E-28	0.0307403	0.0232792	0.1866662	0.6940423	20	0.68634888
ENSG00000162572	1	SCNN1D	1215816	rs41307035	1	1190061	G	A	0.0477137	0.0114704	0.0166969	0.492097	0.649916	0.112566	7.76E-09	0.0176491	0.0258721	0.4951341	0.6355771	6	0.86367134
ENSG00000127054	1	CPSF3L	1246965	rs307355	1	1265154	C	T	0.921471	-0.0018826	0.0121863	0.877226	-0.628254	0.0759653	1.34E-16	0.00299661	0.0194005	0.8772467	0.8631289	20	0.98118496
ENSG00000169962	1	TAS1R3	1266694	rs4970433	1	1263362	A	G	0.920477	-0.0021259	0.0121799	0.861443	-0.704621	0.124735	1.61E-08	0.00301701	0.017294	0.8615084	0.7963877	16	0.97828063
ENSG00000242485	1	MRPL20	1337288	rs2275915	1	1342612	C	G	0.16998	-0.0225282	0.0117561	0.0553261	0.539896	0.0592007	7.53E-20	-0.0417269	0.0222503	0.06074529	0.8002189	20	0.50471447
ENSG00000235098	1	ANKRD65	1353800	rs4970449	1	1353632	G	A	0.0934394	-0.0083522	0.0114086	0.464108	-1.42771	0.100993	2.25E-45	0.00585007	0.00800155	0.4647076	0.2696545	20	0.85740342
ENSG00000225905	1	RP4-758J18.7	1355625	rs4970449	1	1353632	G	A	0.0934394	-0.0083522	0.0114086	0.464108	-1.02891	0.120735	1.57E-17	0.00811752	0.0111289	0.4657507	0.3136988	16	0.85740342
ENSG00000215915	1	ATAD3C	1385069	rs4590	1	1375810	G	C	0.188867	-0.0138068	0.00926983	0.136373	-0.522795	0.0848256	7.13E-10	0.0264096	0.0182417	0.1476849	0.9052987	20	0.64632659
ENSG00000160072	1	ATAD3B	1407143	rs144526264	1	1466393	A	G	0.0129225	0.0361086	0.042041	0.390401	-2.15953	0.232502	1.57E-20	-0.0167206	0.0195507	0.3924175	0.6294068	12	0.82527185
ENSG00000248333	1	CDK11B	1570603	rs200982240	1	1638925	T	C	0.0636183	0.00093505	0.0140727	0.947024	0.659894	0.11314	5.46E-09	0.00141697	0.0213271	0.9470276	0.9557134	10	0.99338916
ENSG00000189339	1	SLC35E2B	1592939	rs72634820	1	1597020	G	C	0.262425	0.00023575	0.00943882	0.980073	-1.31476	0.079627	3.03E-61	-0.0001793	0.00717913	0.9800735	0.6511071	20	0.99743376
ENSG00000269737	1	RP11-345P4.7	1603429	rs28678861	1	1606287	C	G	0.964215	0.059421	0.0198663	0.00278023	-2.06383	0.197675	1.62E-25	-0.0287916	0.0100132	0.00403547	0.4549386	13	0.23932723
ENSG00000215914	1	MMP23A	1631369	rs28635530	1	1649392	T	C	0.398608	0.00993338	0.00844318	0.239397	-0.66067	0.0974693	1.22E-11	-0.0150353	0.0129708	0.2463884	0.4088881	12	0.74075291
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-2.11814	0.221409	1.10E-21	-0.0062763	0.0146166	0.6676351	0.250867	4	0.92466627
ENSG00000227775	1	RP1-283E3.4	1655951	rs4648774	1	1592881	A	C	0.295229	-0.0047811	0.00909746	0.599209	0.841946	0.0764865	3.51E-28	-0.0056786	0.0108176	0.5996242	0.6225997	20	0.89978219
ENSG00000215790	1	SLC35E2	1656277	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.9216	0.215169	4.24E-19	-0.0069183	0.016114	0.6676815	0.2505032	4	0.92466627
ENSG00000008130	1	NADK	1682671	rs489788	1	1681719	G	A	0.452286	0.00680105	0.00819709	0.406713	-0.329413	0.0569498	7.28E-09	-0.020646	0.0251386	0.411484	0.6094938	9	0.83688257
ENSG00000231050	1	RP1-140A9.1	1822910	rs3806168	1	1823524	C	G	0.197813	-0.0017534	0.0109635	0.872936	-0.650965	0.0986146	4.08E-11	0.00269352	0.0168469	0.8729734	0.6837014	14	0.97882059
ENSG00000233542	1	RP11-547D24.1	1944652	rs28502222	1	1952605	C	T	0.828032	2.96E-05	0.0110182	0.997857	1.18793	0.0976603	4.84E-34	2.49E-05	0.00927513	0.9978567	0.5042029	12	0.99948878
ENSG00000162585	1	C1orf86	2115903	rs11587831	1	2110848	G	T	0.218688	-0.0089864	0.00976769	0.357565	-0.396181	0.055821	1.27E-12	0.0226826	0.0248609	0.3615681	0.7701618	5	0.81794669
ENSG00000269896	1	RP4-740C4.6	2281853	rs7546224	1	2299912	C	T	0.352883	-0.0015314	0.0083782	0.854971	-0.226223	0.0387787	5.42E-09	0.00676929	0.0370533	0.8550407	0.7470675	6	0.97828063
ENSG00000272420	1	RP4-740C4.7	2294500	rs10910055	1	2295778	C	A	0.352883	-0.0022631	0.00836611	0.786774	0.641397	0.0621718	5.93E-25	-0.0035283	0.0130481	0.7868455	0.8093701	20	0.9600829
ENSG00000157873	1	TNFRSF14	2487078	rs2227313	1	2487766	C	T	0.479125	0.0132422	0.00806377	0.100551	0.600373	0.0667302	2.32E-19	0.0220566	0.0136532	0.1062036	0.2673095	20	0.60837767
ENSG00000228037	1	RP3-395M20.9	2512999	rs10910092	1	2501516	G	A	0.468191	0.0111267	0.00806455	0.167678	0.663432	0.0888827	8.39E-14	0.0167714	0.0123617	0.1748696	0.6318611	15	0.67151653
ENSG00000157870	1	FAM213B	2517930	rs11810740	1	2711631	A	G	0.0984095	0.0115377	0.0161001	0.473606	-0.573361	0.0919663	4.53E-10	-0.0201229	0.0282651	0.476505	0.5431112	7	0.85740342
ENSG00000215912	1	TTC34	2567415	rs2764848	1	2530694	A	G	0.688867	-0.006559	0.00844897	0.437568	-0.417152	0.0566663	1.82E-13	0.0157233	0.0203662	0.4400992	0.8655763	20	0.85394152
ENSG00000130762	1	ARHGEF16	3370990	rs6424078	1	3383898	G	A	0.912525	-0.0014303	0.0150344	0.924205	-0.762985	0.119232	1.56E-10	0.00187466	0.0197069	0.9242137	0.9644871	16	0.99063603
ENSG00000158109	1	TPRG1L	3541566	rs2760320	1	3548832	C	G	0.054672	-0.0167407	0.0187632	0.372281	-0.802372	0.114555	2.48E-12	0.020864	0.0235736	0.3761256	0.9689384	3	0.82033551
ENSG00000116198	1	CEP104	3728645	rs7522227	1	3748085	G	A	0.66998	-0.000405	0.00866667	0.96273	0.39661	0.0576598	6.05E-12	-0.0010211	0.0218524	0.9627312	0.1234162	16	0.99596391
ENSG00000169598	1	DFFB	3773845	rs41307043	1	3802018	C	T	0.16004	0.0108024	0.0110209	0.326996	-1.05696	0.0882858	4.98E-33	-0.0102203	0.0104619	0.328616	0.8735455	20	0.79786027
ENSG00000198912	1	C1orf174	3805689	rs35583447	1	3829614	G	A	0.737575	-0.0051452	0.00937583	0.583159	0.859238	0.0924898	1.54E-20	-0.0059881	0.0109308	0.5838148	0.1827714	16	0.89290364
ENSG00000131697	1	NPHP4	5922871	rs1295101	1	6056168	G	A	0.347913	0.0143529	0.00852077	0.0920916	-0.542179	0.0738837	2.16E-13	-0.0264726	0.0161245	0.1006391	0.02452093	20	0.5994087
ENSG00000069424	1	KCNAB2	6051526	rs56224336	1	6085350	C	G	0.172962	-0.0057309	0.0122499	0.639906	-0.438455	0.0661101	3.31E-11	0.0130706	0.0280082	0.6407363	0.1908913	7	0.91890862
ENSG00000097021	1	ACOT7	6324329	rs67984858	1	6340557	C	T	0.119284	0.0131616	0.011608	0.25686	0.316527	0.0554748	1.16E-08	0.0415813	0.0373901	0.2660978	0.7546893	13	0.75064298
ENSG00000215788	1	TNFRSF25	6521211	rs111917811	1	6487977	A	G	0.0944334	0.0104402	0.0138976	0.452518	0.438818	0.0688119	1.81E-10	0.0237916	0.0318895	0.4556285	0.9199132	16	0.85417294
ENSG00000171680	1	PLEKHG5	6526152	rs111917811	1	6487977	A	G	0.0944334	0.0104402	0.0138976	0.452518	0.441181	0.0723094	1.05E-09	0.0236642	0.0317388	0.4559133	0.8816997	12	0.85417294
ENSG00000171735	1	CAMTA1	6845384	rs7534398	1	7767464	A	T	0.181909	0.00374613	0.0101535	0.712166	0.384121	0.0689404	2.52E-08	0.00975247	0.026491	0.7127663	0.7132277	3	0.93968224
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.823006	0.0674498	3.04E-34	0.0024988	0.00980633	0.7988658	0.0329436	20	0.96314117
ENSG00000270035	1	RP11-338N10.2	7758363	rs12562445	1	7777603	C	T	0.168986	-0.0183964	0.00951945	0.0532967	-0.545752	0.0860415	2.25E-10	0.0337084	0.0182344	0.06451397	0.2606941	7	0.50845953
ENSG00000269978	1	RP11-338N10.3	7760764	rs3011936	1	7775335	T	C	0.818091	-0.0013258	0.0122298	0.913671	0.505756	0.079542	2.04E-10	-0.0026215	0.0241847	0.9136831	0.7578883	5	0.98753784
ENSG00000049247	1	UTS2	7903143	rs4908485	1	7907984	G	A	0.15507	-0.0070987	0.00946858	0.453426	0.993833	0.126011	3.10E-15	-0.0071428	0.00957028	0.4554555	0.4126743	20	0.85417294
ENSG00000049239	1	H6PD	9294834	rs11121349	1	9295794	C	G	0.404573	-0.0043335	0.00851947	0.610988	-1.02778	0.0784521	3.26E-39	0.00421641	0.00829544	0.6112569	0.9775198	20	0.90570134
ENSG00000171608	1	PIK3CD	9711790	rs4240910	1	9750457	C	T	0.483101	0.00493458	0.0080887	0.541822	0.343394	0.059956	1.02E-08	0.01437	0.0236884	0.5440985	0.980024	3	0.87924037
ENSG00000175262	1	C1orf127	11006528	rs11121663	1	11024395	C	T	0.297217	0.00283074	0.0083924	0.735892	-0.983911	0.0705452	3.27E-44	-0.002877	0.00853213	0.7359666	0.7269335	16	0.94491286
ENSG00000171824	1	EXOSC10	11126675	rs2486921	1	11124943	A	G	0.741551	0.00574882	0.00893976	0.520184	-0.630258	0.063696	4.39E-23	-0.0091214	0.0142142	0.5210626	0.1140367	20	0.87239215
ENSG00000132879	1	FBXO44	11714432	rs3125819	1	11726682	A	G	0.393638	0.0123323	0.00810341	0.128041	0.256981	0.0394435	7.26E-11	0.0479892	0.032382	0.1383478	0.2812066	3	0.63721248
ENSG00000116670	1	MAD2L2	11734537	rs2336034	1	11772340	A	G	0.126243	0.00893776	0.0112943	0.428739	-0.480662	0.0832677	7.81E-09	-0.0185947	0.0237172	0.4330293	0.8071278	5	0.849086
ENSG00000162490	1	DRAXIN	11751786	rs12118130	1	11770039	T	C	0.0974155	0.00524011	0.0138009	0.704172	-1.03296	0.151955	1.06E-11	-0.0050729	0.0133814	0.7046118	0.6077585	4	0.93817963
ENSG00000177000	1	MTHFR	11845780	rs1476413	1	11852300	T	C	0.280318	-0.003727	0.008916	0.675941	0.750533	0.0731188	1.02E-24	-0.0049658	0.0118894	0.6761943	0.2549565	20	0.92610213
ENSG00000011021	1	CLCN6	11866207	rs198403	1	11896654	A	G	0.0725646	-0.0227919	0.0193391	0.238582	-0.748581	0.121273	6.71E-10	0.0304468	0.026301	0.2470156	0.07148985	5	0.74075291
ENSG00000242349	1	NPPA-AS1	11901074	rs198360	1	11904569	C	T	0.114314	0.0114525	0.0149647	0.444092	-1.33978	0.120423	9.42E-29	-0.0085481	0.0111959	0.4451672	0.1681549	20	0.85417294
ENSG00000083444	1	PLOD1	11994262	rs41307745	1	12016957	G	T	0.0606362	0.00408413	0.0151728	0.787796	0.865232	0.0937475	2.72E-20	0.00472027	0.0175436	0.7878835	0.9603026	20	0.9600829
ENSG00000259961	1	RP4-597A16.2	13839715	rs2999865	1	13841295	G	A	0.765408	0.0165786	0.0104877	0.113932	-0.742094	0.106352	3.00E-12	-0.0223403	0.0144907	0.1231468	0.9567221	6	0.6305293
ENSG00000175147	1	TMEM51-AS1	15442448	rs4423000	1	15458402	G	A	0.515905	0.00880809	0.00806925	0.275026	-0.750041	0.0680989	3.27E-28	-0.0117435	0.0108111	0.2773725	0.8408761	20	0.76430333
ENSG00000132906	1	CASP9	15817327	rs11579378	1	15874279	G	A	0.514911	0.00242758	0.00832724	0.770651	0.464763	0.0621523	7.56E-14	0.00522326	0.0179308	0.7708208	0.7402498	16	0.95603464
ENSG00000197312	1	DDI2	15943995	rs36014889	1	16018608	A	G	0.188867	-0.0206262	0.0103025	0.0452783	0.56513	0.0681563	1.12E-16	-0.0364982	0.0187542	0.05163893	0.2461346	19	0.4899779
ENSG00000116786	1	PLEKHM2	16010827	rs35234014	1	16048662	A	G	0.244533	-0.0150185	0.00881584	0.0884606	0.56546	0.0601724	5.60E-21	-0.0265598	0.0158447	0.09368731	0.1460938	20	0.58914688
ENSG00000162461	1	SLC25A34	16062900	rs35352784	1	16061966	A	G	0.210736	-0.0043676	0.0101475	0.666896	-0.984983	0.0745742	7.88E-40	0.00443419	0.0103077	0.6670625	0.156193	19	0.92466627
ENSG00000178715	1	RP11-169K16.8	16154724	rs7537101	1	16150384	C	T	0.45328	-0.0134518	0.0081049	0.0969728	-0.644009	0.0923886	3.15E-12	0.0208876	0.0129369	0.1064024	0.3099596	17	0.60882463
ENSG00000179743	1	RP11-169K16.9	16160560	rs557075219	1	16148223	T	C	0.0934394	-0.0036218	0.010923	0.740212	0.617573	0.106129	5.92E-09	-0.0058645	0.0177157	0.7406174	0.3284907	9	0.94621977
ENSG00000186510	1	CLCNKA	16345370	rs12746443	1	16359951	T	C	0.0775348	-0.0013252	0.0121657	0.91326	-0.987546	0.141521	2.99E-12	0.0013419	0.0123206	0.9132698	0.6779677	13	0.98753784
ENSG00000184908	1	CLCNKB	16370272	rs28505459	1	16407824	T	C	0.505964	0.00825001	0.00819117	0.313846	-0.583394	0.0925189	2.87E-10	-0.0141414	0.0142185	0.3199424	0.6339643	16	0.79066347
ENSG00000185519	1	FAM131C	16384264	rs7517792	1	16382877	G	A	0.793241	0.00692001	0.00880091	0.431702	-0.49879	0.0894101	2.42E-08	-0.0138736	0.0178189	0.4362224	0.02986932	3	0.85154044
ENSG00000142632	1	ARHGEF19	16524349	rs221035	1	16526529	A	G	0.739563	0.00797882	0.00953297	0.402609	-0.958819	0.0895854	9.87E-27	-0.0083215	0.00997276	0.4040424	0.1384345	10	0.83158332
ENSG00000233929	1	MT1XP1	16567708	rs72638015	1	16676078	A	G	0.206759	-0.0181455	0.00945692	0.0550149	0.528442	0.0958733	3.55E-08	-0.0343377	0.0189492	0.06997143	0.6682477	7	0.52255701
ENSG00000037637	1	FBXO42	16573334	rs4661727	1	16568613	C	T	0.337972	-0.0205258	0.00859209	0.0168978	-0.410616	0.0574779	9.07E-13	0.0499878	0.0220638	0.02347583	0.8506911	10	0.38159045
ENSG00000187144	1	SPATA21	16713612	rs192459	1	16797122	G	T	0.627237	-0.001923	0.00824294	0.815541	0.450461	0.0751513	2.05E-09	-0.0042689	0.0183128	0.8156775	0.5711141	14	0.96637758
ENSG00000226029	1	RP4-798A10.2	16787443	rs7537985	1	16831863	C	T	0.300199	-0.0047877	0.00927649	0.605779	0.536214	0.0752756	1.05E-12	-0.0089287	0.0173453	0.6067217	0.5310671	15	0.90341567
ENSG00000215908	1	CROCCP2	16944751	rs696608	1	16833070	G	A	0.616302	0.0091458	0.00855619	0.28511	-0.492533	0.0825693	2.45E-09	-0.0185689	0.0176485	0.2927302	0.9569115	9	0.77760108
ENSG00000186301	1	MST1P2	16972069	rs76074825	1	17284498	C	T	0.525845	-0.0053509	0.00810043	0.508885	0.52552	0.0830547	2.49E-10	-0.0101822	0.0154979	0.5111791	0.972001	10	0.86972749
ENSG00000268869	1	ESPNP	17013834	rs277463	1	16858909	C	G	0.619284	0.0100417	0.00851474	0.238267	0.505894	0.0916018	3.34E-08	0.0198494	0.0172105	0.2487754	0.8169823	7	0.74249662
ENSG00000058453	1	CROCC	17066768	rs6691985	1	17289911	T	C	0.310139	0.0143631	0.00840636	0.0875246	0.500807	0.0611091	2.50E-16	0.0286799	0.0171466	0.09439931	0.7915893	17	0.58914688
ENSG00000186715	1	MST1L	17081405	rs7513616	1	17298496	G	A	0.493042	-0.0101638	0.00824174	0.217497	-0.741763	0.0908747	3.28E-16	0.0137022	0.0112371	0.2227029	0.1355074	20	0.72335394
ENSG00000228549	1	U1	17197440	rs1985272	1	17188391	C	T	0.465209	0.00134508	0.0084758	0.873908	0.46359	0.0760088	1.07E-09	0.00290144	0.0182892	0.8739503	0.2803716	9	0.97923616
ENSG00000238142	1	RP11-108M9.4	17215033	rs10907231	1	16851440	T	C	0.319085	-0.0067347	0.008918	0.45014	-0.591074	0.0988008	2.20E-09	0.011394	0.0152075	0.4537164	0.8695451	10	0.85417294
ENSG00000235241	1	RP11-108M9.5	17215590	rs696095	1	16802890	A	G	0.55169	-0.0035179	0.00807396	0.66305	-0.578014	0.102106	1.51E-08	0.00608615	0.0140098	0.663982	0.7079478	14	0.92466627
ENSG00000159363	1	ATP13A2	17312453	rs11203280	1	17342783	T	G	0.354871	0.0113749	0.0084457	0.178036	-0.219444	0.03985	3.66E-08	-0.0518351	0.0396212	0.1907829	0.5952188	14	0.6894107
ENSG00000074964	1	ARHGEF10L	17866330	rs6668260	1	17867479	C	T	0.475149	0.00646315	0.00820782	0.431026	-0.39162	0.0468754	6.57E-17	-0.0165036	0.0210515	0.4330615	0.2754816	10	0.849086
ENSG00000117154	1	IGSF21	18434240	rs12033031	1	18553047	C	T	0.297217	0.0110567	0.0096424	0.251516	0.493179	0.0613309	8.89E-16	0.0224192	0.0197493	0.2562951	0.5630095	13	0.74586579
ENSG00000159423	1	ALDH4A1	19197926	rs17492693	1	19238529	C	T	0.0387674	0.0515468	0.0235094	0.0283361	0.736763	0.123022	2.11E-09	0.0699639	0.0339803	0.03949881	0.1495785	5	0.44087342
ENSG00000127481	1	UBR4	19401000	rs4912040	1	19390099	C	T	0.166998	0.023012	0.0124496	0.0645431	0.257117	0.0430547	2.35E-09	0.0895001	0.0506863	0.07743538	0.6802572	5	0.54824684
ENSG00000127463	1	EMC1	19542158	rs12095615	1	19573223	G	A	0.340954	-0.0141349	0.0090609	0.118762	-0.607102	0.0635986	1.35E-21	0.0232826	0.0151228	0.1236662	0.325585	20	0.6305293
ENSG00000053372	1	MRTO4	19578033	rs9426684	1	19585903	A	G	0.225646	0.00759759	0.0108474	0.483672	-0.401041	0.0636693	3.00E-10	-0.0189447	0.0272148	0.4863561	0.8334962	8	0.86252211
ENSG00000211454	1	AKR7L	19592476	rs11589816	1	19587230	A	G	0.125249	-0.0011034	0.0134296	0.934518	0.567589	0.0743684	2.31E-14	-0.001944	0.0236622	0.9345218	0.6131919	9	0.99333365
ENSG00000040487	1	PQLC2	19638820	rs61766662	1	19657013	C	T	0.32008	0.00470706	0.0088657	0.595467	0.296773	0.0449318	3.98E-11	0.0158608	0.02997	0.5966513	0.8890089	8	0.89940784
ENSG00000158747	1	NBL1	19967048	rs115614639	1	19971135	A	C	0.245527	0.0194592	0.00968952	0.0446149	-0.524844	0.0668361	4.07E-15	-0.0370762	0.0190559	0.05169639	0.7272235	14	0.4899779
ENSG00000169914	1	OTUD3	20209006	rs10492999	1	20237760	G	A	0.05666	0.015587	0.0132551	0.239624	1.27399	0.126838	9.74E-24	0.0122348	0.0104755	0.2428278	0.5945861	10	0.73696264
ENSG00000127472	1	PLA2G5	20354672	rs12402129	1	20375054	A	G	0.164016	-0.001187	0.00955963	0.90118	0.556749	0.0754672	1.61E-13	-0.0021321	0.0171729	0.9011937	0.8754583	15	0.9863793
ENSG00000183114	1	FAM43B	20878932	rs2070660	1	20980450	T	G	0.22167	-0.0029478	0.0093752	0.753201	-0.61164	0.105965	7.83E-09	0.00481942	0.0153507	0.7535556	0.09514006	5	0.95258055
ENSG00000117242	1	PINK1-AS	20969150	rs9287034	1	20973892	T	C	0.410537	-0.0138117	0.00828206	0.0953828	0.715301	0.0787734	1.08E-19	-0.0193089	0.0117721	0.1009568	0.3041338	14	0.5994087
ENSG00000227001	1	NBPF2P	21751118	rs6680125	1	21814390	A	C	0.775348	-0.0130048	0.00941179	0.167048	1.20533	0.0960382	3.95E-36	-0.0107894	0.00785566	0.1696102	0.2980882	19	0.66849493
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.19343	0.0760999	2.00E-55	0.0111913	0.00788776	0.1559532	0.4172671	20	0.65590515
ENSG00000218510	1	LINC00339	22351681	rs11586488	1	22348556	C	T	0.277336	0.00687397	0.00916407	0.453194	1.15953	0.0824126	5.82E-45	0.00592824	0.00791449	0.4538353	0.0844661	17	0.85417294
ENSG00000204219	1	TCEA3	23707554	rs2902874	1	23827606	A	G	0.689861	-0.0182259	0.009457	0.0539498	0.410541	0.0624713	4.98E-11	-0.0443948	0.0240056	0.06440682	0.2547596	7	0.50845953
ENSG00000117305	1	HMGCL	24128375	rs34845821	1	24066486	T	C	0.307157	-0.0174721	0.00835195	0.0364401	0.305909	0.0472963	9.94E-11	-0.0571153	0.0286946	0.04654093	0.04292133	9	0.47492475
ENSG00000142661	1	MYOM3	24382525	rs4448470	1	24471200	C	T	0.673956	-0.0069854	0.0094519	0.459881	-0.741745	0.086358	8.76E-18	0.00941748	0.0127899	0.4615339	0.7707342	6	0.85658817
ENSG00000142677	1	IL22RA1	24446261	rs4448470	1	24471200	C	T	0.673956	-0.0069854	0.0094519	0.459881	-1.12807	0.0858961	2.13E-39	0.00619232	0.00839208	0.4605894	0.5431824	16	0.8565704
ENSG00000261349	1	RP3-465N24.5	25592593	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-1.00653	0.0731549	4.50E-43	0.0301088	0.00868311	0.0005253	0.5325817	20	0.15576743
ENSG00000187010	1	RHD	25598884	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-1.1533	0.0814786	1.75E-45	0.0265578	0.00757014	0.0004511	0.3907914	17	0.15576743
ENSG00000224183	1	SDHDP6	25620655	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.884561	0.104145	2.00E-17	0.0342604	0.0103775	0.000962	0.5160307	9	0.16825689
ENSG00000183726	1	TMEM50A	25664408	rs9689	1	25688276	G	A	0.552684	-0.013008	0.00805863	0.106491	0.399657	0.0499777	1.28E-15	-0.0325479	0.0205706	0.1135909	0.02811285	11	0.61794187
ENSG00000188672	1	RHCE	25688740	rs646867	1	25709258	C	A	0.554672	-0.0126739	0.00805576	0.115655	0.73205	0.0686503	1.51E-26	-0.0173129	0.0111235	0.1196075	0.0312623	14	0.62616883
ENSG00000204178	1	TMEM57	25757388	rs1811832	1	25753565	A	G	0.540755	-0.0117802	0.00806241	0.14398	0.282806	0.0477292	3.12E-09	-0.0416547	0.0293626	0.1560068	0.1747678	6	0.65590515
ENSG00000157978	1	LDLRAP1	25870071	rs11247942	1	25897026	A	G	0.506958	-0.0063709	0.00810475	0.431826	0.421878	0.0432407	1.73E-22	-0.0151013	0.0192734	0.4333154	0.02685366	9	0.849086
ENSG00000162430	1	SEPN1	26126667	rs6659086	1	26127425	A	G	0.525845	-0.0034855	0.0080921	0.666667	-0.320854	0.0565747	1.42E-08	0.0108631	0.0252931	0.6675671	0.06485998	6	0.92466627
ENSG00000117640	1	MTFR1L	26145131	rs1127818	1	26146514	C	G	0.505964	-0.0139934	0.00807405	0.0830711	0.38011	0.056153	1.30E-11	-0.0368141	0.0219265	0.09315683	0.2037131	7	0.58914688
ENSG00000158006	1	PAFAH2	26286258	rs58286202	1	26339903	A	G	0.65507	0.01839	0.00950071	0.0529115	-0.579149	0.0746896	8.90E-15	-0.0317535	0.016908	0.06037912	0.03871845	20	0.50428503
ENSG00000158008	1	EXTL1	26346375	rs3008209	1	26354279	A	G	0.198807	-0.0268983	0.0112043	0.0163636	-0.585474	0.0846484	4.63E-12	0.0459428	0.0202572	0.02333058	0.1317209	17	0.38159045
ENSG00000197245	1	FAM110D	26485511	rs3806383	1	26484721	T	G	0.313121	0.00527417	0.00841431	0.530784	0.510132	0.0777965	5.48E-11	0.0103388	0.0165696	0.5326504	0.3829298	12	0.87557054
ENSG00000236782	1	RP11-96L14.7	26496438	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.587232	0.0771381	2.68E-14	0.0244052	0.017067	0.1527276	0.0320083	16	0.65219838
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.983128	0.06499	1.07E-51	0.0145775	0.0100591	0.1472868	0.00853241	20	0.64632659
ENSG00000188782	1	CATSPER4	26517052	rs6700024	1	26526554	A	G	0.224652	-0.0063696	0.00968644	0.510807	-0.62339	0.103659	1.81E-09	0.0102177	0.0156309	0.5133142	0.1255791	8	0.87006491
ENSG00000130695	1	CEP85	26560691	rs6700455	1	26545864	C	T	0.297217	-0.0018965	0.00867507	0.826954	0.590841	0.0575746	1.04E-24	-0.0032098	0.0146859	0.8269922	0.4188041	20	0.96886182
ENSG00000117682	1	DHDDS	26758773	rs12046614	1	26851729	C	A	0.23161	-0.0097839	0.00933167	0.294427	-0.343791	0.0536562	1.48E-10	0.0284588	0.0275044	0.3008098	0.8939529	11	0.77863838
ENSG00000142765	1	SYTL1	27668513	rs41291086	1	27668610	T	C	0.028827	-0.0173094	0.0162311	0.286227	-1.30831	0.18661	2.37E-12	0.0132304	0.0125489	0.2917424	0.9470084	10	0.77649073
ENSG00000174950	1	CD164L2	27705666	rs74061800	1	27765978	C	T	0.122266	0.0113117	0.0133677	0.397442	1.56954	0.179574	2.32E-18	0.00720702	0.00855678	0.3996434	0.1033932	13	0.82963504
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.56942	0.11037	6.92E-46	0.0136643	0.0122824	0.2659156	0.7800945	20	0.75054901
ENSG00000130768	1	SMPDL3B	28261504	rs4463696	1	28262278	G	T	0.440358	-0.0016902	0.0081115	0.83494	0.541725	0.0573563	3.56E-21	-0.00312	0.0149771	0.83498	0.4351266	10	0.97259615
ENSG00000158161	1	EYA3	28296855	rs72658361	1	28402924	T	C	0.253479	-0.0139492	0.00931323	0.134191	1.02223	0.0800273	2.31E-37	-0.0136459	0.00917312	0.1368586	0.4375686	16	0.63721248
ENSG00000130770	1	ATPIF1	28562620	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-0.464307	0.0470906	6.21E-23	0.0148245	0.0194939	0.4469743	0.4675683	18	0.85417294
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.06655	0.0584272	1.91E-74	0.00645363	0.00846849	0.4460146	0.4669811	20	0.85417294
ENSG00000204138	1	PHACTR4	28696114	rs6598930	1	28731046	G	A	0.348907	0.0165926	0.00837984	0.0476958	-0.747215	0.0774896	5.27E-22	-0.0222059	0.0114488	0.05242926	0.8150835	20	0.49217114
ENSG00000159023	1	EPB41	29213603	rs150084	1	29249925	A	G	0.717694	0.00867303	0.00969328	0.370922	0.439365	0.0504265	2.96E-18	0.0197399	0.022178	0.3734305	0.8049832	11	0.82005224
ENSG00000060656	1	PTPRU	29563028	rs212298	1	29726225	G	A	0.67992	-0.0133524	0.00823425	0.104895	-0.834083	0.0769455	2.23E-27	0.0160085	0.00998207	0.108775	0.529214	9	0.60962213
ENSG00000121769	1	FABP3	31838472	rs1566963	1	31772206	A	G	0.61332	-0.0006428	0.00819594	0.937482	0.615227	0.0636246	4.06E-22	-0.0010449	0.0133223	0.937484	0.3200958	20	0.99333365
ENSG00000084636	1	COL16A1	32117848	rs55775435	1	32169551	A	G	0.0347913	-0.0053446	0.0272832	0.844694	0.964799	0.173221	2.55E-08	-0.0055396	0.0282961	0.8447883	0.9163166	7	0.97638016
ENSG00000084652	1	TXLNA	32645287	rs72666775	1	32645161	A	G	0.0576541	0.00793484	0.0137316	0.563364	-0.624797	0.08536	2.49E-13	-0.0126999	0.0220461	0.5645745	0.9954833	14	0.88385716
ENSG00000220785	1	MTMR9LP	32697259	rs60115555	1	32707930	A	G	0.0328032	0.00226786	0.0172298	0.895281	0.913261	0.114788	1.78E-15	0.00248326	0.0188688	0.8952957	0.9895093	17	0.98597578
ENSG00000162526	1	TSSK3	32817122	rs2273376	1	32832292	G	A	0.0447316	-0.0016765	0.0183993	0.927401	0.843149	0.127447	3.70E-11	-0.0019883	0.0218242	0.9274073	0.9960133	6	0.99191324
ENSG00000142920	1	ADC	33546705	rs1975968	1	33513905	C	T	0.303181	0.0128432	0.00894319	0.150978	0.32847	0.0554636	3.18E-09	0.0391001	0.0280159	0.1628228	0.09373806	4	0.6608613
ENSG00000184389	1	A3GALT2	33772367	rs11554674	1	33790496	A	G	0.241551	-0.0158294	0.0101842	0.120111	0.941632	0.098335	1.01E-21	-0.0168106	0.010957	0.1249731	0.03828086	20	0.63282784
ENSG00000163866	1	SMIM12	35178338	rs3012	1	35316050	A	G	0.34493	0.00460882	0.00914638	0.614335	0.331139	0.0547985	1.51E-09	0.0139181	0.0277168	0.6155601	0.8038237	3	0.90739666
ENSG00000230163	1	RP5-997D16.2	35316295	rs11803179	1	35311455	A	G	0.338966	0.00708136	0.00904049	0.433454	-0.537887	0.0842978	1.76E-10	-0.0131651	0.0169336	0.4368887	0.7870712	6	0.85197522
ENSG00000197056	1	ZMYM1	35525387	rs61775755	1	35631736	C	G	0.0159046	0.0394654	0.0475153	0.406209	1.40115	0.162963	8.12E-18	0.0281664	0.0340695	0.4083876	0.8954758	5	0.83648741
ENSG00000142694	1	EVA1B	36787632	rs58971913	1	36787888	A	G	0.420477	-0.0083925	0.00832426	0.313362	-0.350488	0.0583742	1.92E-09	0.0239451	0.024083	0.3200893	0.3260764	6	0.79066347
ENSG00000116883	1	RP11-268J15.5	36789335	rs12116935	1	36789546	G	A	0.421471	-0.0073506	0.00831824	0.376874	0.62368	0.0670792	1.44E-20	-0.0117858	0.0133975	0.3790187	0.1957043	13	0.82033551
ENSG00000116885	1	OSCP1	36881428	rs61771054	1	36895917	G	C	0.204771	-0.0088531	0.0105285	0.400417	0.670642	0.0836055	1.04E-15	-0.013201	0.0157852	0.4029915	0.4555337	7	0.83082996
ENSG00000233621	1	RP11-422J8.1	37920480	rs2811617	1	37922609	T	A	0.331014	0.00265546	0.00905657	0.769364	0.603076	0.086704	3.51E-12	0.00440319	0.0150306	0.7695619	0.244045	11	0.95547643
ENSG00000163879	1	DNALI1	38022520	rs6704190	1	38010751	T	C	0.581511	-0.0102489	0.00881511	0.244969	-0.671578	0.0732403	4.75E-20	0.0152609	0.0132311	0.2487394	0.523564	20	0.74249662
ENSG00000134697	1	GNL2	38032417	rs2019918	1	37991659	T	C	0.475149	-0.0125792	0.00814125	0.122318	-0.423118	0.0565489	7.30E-14	0.0297298	0.0196471	0.1302308	0.1892697	15	0.63721248
ENSG00000204084	1	INPP5B	38326369	rs476012	1	38240901	A	T	0.521869	-0.0120702	0.00806608	0.134546	-0.801308	0.0732559	7.55E-28	0.0150631	0.0101599	0.1381793	0.04988107	20	0.63721248

ENSG00000168653	1	NDUFS5	39491990	rs6682588	1	39521809	G	C	0.297217	0.00473042	0.00938508	0.614236	-0.682324	0.0542441	2.76E-36	-0.0069328	0.0137656	0.61452	0.7605041	15	0.90683002
ENSG00000237624	1	OXCT2P1	39980628	rs76976925	1	40093305	T	C	0.0755467	-0.0207968	0.0134625	0.122397	1.18521	0.157658	5.58E-14	-0.0175469	0.0115961	0.1302347	0.1438387	20	0.63721248
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-1.25536	0.135973	2.65E-20	0.00467451	0.0133001	0.72524	0.6874586	10	0.94070655
ENSG00000243970	1	PPIEL	39997510	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-1.16245	0.170839	1.02E-11	0.00504812	0.0143719	0.7254005	0.3839049	4	0.94070655
ENSG00000084072	1	PPIE	40157854	rs1046988	1	40219065	T	C	0.355865	0.00025563	0.00835378	0.975588	0.890178	0.0788503	1.48E-29	0.00028717	0.00938443	0.975588	0.2553299	18	0.99743145
ENSG00000116985	1	BMP8B	40222854	rs7518431	1	40214944	G	A	0.357853	0.00033467	0.00835317	0.968042	0.544062	0.0773502	2.01E-12	0.00061513	0.0153536	0.9680421	0.1802441	8	0.99660087
ENSG00000198754	1	OXCT2	40235195	rs230320	1	40235277	G	A	0.261431	-0.0098658	0.0094495	0.296463	-0.549154	0.0922411	2.63E-09	0.0179654	0.01747	0.3037821	0.1015966	6	0.77894167
ENSG00000043514	1	TRIT1	40306723	rs17569868	1	40292911	C	A	0.182903	0.00444309	0.0117319	0.704896	0.4819	0.068611	2.16E-12	0.00921994	0.0243805	0.7053048	0.5174129	13	0.93847294
ENSG00000187815	1	ZFP69	40942887	rs6690632	1	40939397	T	G	0.323062	-0.0051015	0.00878923	0.56163	-0.753816	0.090286	6.87E-17	0.00676751	0.0116878	0.5625728	0.907373	16	0.88385716
ENSG00000238287	1	RP11-656D10.3	40958829	rs11208254	1	40959506	T	G	0.328032	-0.0033593	0.00881244	0.703059	-0.766418	0.108127	1.36E-12	0.00438305	0.0115148	0.7034674	0.7649013	10	0.93781922
ENSG00000272145	1	RP4-739H11.4	41156052	rs665501	1	41140782	A	T	0.739563	0.00025104	0.00942565	0.978752	-0.72541	0.0913941	2.07E-15	-0.0003461	0.0129936	0.9787518	0.298023	20	0.99743376
ENSG00000171790	1	SLFNL1	41481269	rs12144763	1	41720384	T	C	0.054672	0.00372274	0.0175286	0.83181	-0.758885	0.0991465	1.95E-14	-0.0049055	0.0231067	0.8318736	0.4410911	10	0.97183657
ENSG00000204060	1	FOXO6	41827594	rs13376450	1	41469043	G	A	0.110338	0.0154649	0.012502	0.216087	1.10982	0.12075	3.89E-20	0.0139346	0.0113665	0.2202209	0.7841128	13	0.72284625
ENSG00000127124	1	HIVEP3	41972036	rs67429309	1	42318930	G	A	0.182903	0.00247354	0.010746	0.81795	0.68033	0.0760536	3.71E-19	0.00363579	0.0158005	0.8180092	0.6517022	18	0.96775038
ENSG00000066185	1	ZMYND12	42896000	rs12409987	1	42914601	T	C	0.16501	-0.0158426	0.0126753	0.211343	-0.696936	0.110006	2.37E-10	0.0227318	0.0185377	0.2201067	0.0656284	6	0.72284625
ENSG00000164008	1	C1orf50	43232940	rs7538928	1	43289804	G	A	0.251491	0.00403247	0.0084494	0.633184	-0.831574	0.0789683	6.25E-26	-0.0048492	0.0101712	0.6335331	0.3972028	20	0.91718563
ENSG00000228452	1	RP5-994D16.9	43241484	rs11210713	1	43234243	T	A	0.305169	0.00016829	0.00830733	0.983838	0.735061	0.0897792	2.67E-16	0.00022894	0.0113016	0.9838379	0.2224385	20	0.99756656
ENSG00000177868	1	CCDC23	43272723	rs323719	1	43270928	A	G	0.296223	0.0005948	0.00833467	0.943108	0.688495	0.0774922	6.41E-19	0.00086392	0.012106	0.9431094	0.3038634	20	0.99338916
ENSG00000164010	1	ERMAP	43282795	rs35761132	1	43304368	A	C	0.164016	4.78E-05	0.011344	0.996637	-0.59361	0.08585	4.70E-12	-8.05E-05	0.0191102	0.9966373	0.1323196	3	0.99906546
ENSG00000227533	1	SLC2A1-AS1	43424720	rs2367159	1	43432589	C	T	0.529821	0.0084846	0.00812487	0.296358	-0.707565	0.0948836	8.84E-14	-0.0119913	0.0115949	0.3010501	0.5650029	11	0.77863838
ENSG00000198198	1	SZT2	43855553	rs6954	1	43916642	C	T	0.584493	0.00026527	0.00828379	0.974454	-0.251823	0.0452595	2.64E-08	-0.0010534	0.0328958	0.9744542	0.8556647	8	0.99743145
ENSG00000117407	1	ARTN	44398992	rs6801	1	44396646	G	C	0.759443	0.0034313	0.00944749	0.716458	-0.908898	0.0731349	1.85E-35	-0.0037752	0.0103989	0.7165735	0.7946266	20	0.93968224
ENSG00000198520	1	C1orf228	45140364	rs11581074	1	45142209	G	A	0.411531	-0.0043845	0.00807655	0.587222	0.390567	0.0706879	3.29E-08	-0.011226	0.0207786	0.5890141	0.4395486	4	0.89548788
ENSG00000142937	1	RPS8	45240923	rs12126557	1	45257201	T	C	0.0954274	0.0170872	0.0114008	0.133933	-0.498271	0.0663032	5.69E-14	-0.034293	0.0233313	0.1416089	0.8317861	17	0.63982352
ENSG00000117448	1	AKR1A1	46016215	rs499600	1	46039077	G	T	0.860835	-0.0011246	0.0114745	0.921926	-0.537824	0.0782234	6.18E-12	0.002091	0.0213372	0.921934	0.279207	15	0.98950443
ENSG00000085999	1	RAD54L	46713360	rs11588062	1	46779764	T	C	0.323062	0.0126066	0.0091937	0.170306	0.61242	0.0788608	8.11E-15	0.0205849	0.0152443	0.1769091	0.5383308	14	0.67373288
ENSG00000117481	1	NSUN4	46805849	rs6703669	1	46862555	T	C	0.270378	-0.0158398	0.00877628	0.0710984	0.52873	0.0682942	9.79E-15	-0.0299582	0.0170439	0.07879675	0.7749175	8	0.55223308
ENSG00000117480	1	FAAH	46859937	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	0.442623	0.0597946	1.34E-13	0.00308398	0.0195	0.8743364	0.6499359	15	0.97945106
ENSG00000232022	1	RP5-1109J22.1	46897801	rs6699322	1	46882118	G	A	0.743539	0.00251419	0.00868739	0.77227	-0.581769	0.0646343	2.24E-19	-0.0043216	0.0149404	0.7723844	0.3749318	20	0.95689107
ENSG00000079277	1	MKNK1	47023090	rs1258008	1	47089024	A	G	0.262425	0.0129755	0.00941846	0.168306	0.396906	0.0547545	4.20E-13	0.0326916	0.0241545	0.175915	0.6422658	15	0.67151653
ENSG00000142961	1	MOB3C	47073387	rs6662520	1	47086257	G	A	0.722664	-0.0098002	0.00900232	0.276319	-0.36512	0.0572448	1.79E-10	0.0268409	0.0250123	0.2832228	0.3347604	20	0.76768522
ENSG00000186790	1	FOXE3	47881744	rs10437097	1	47856611	A	G	0.178926	-0.0046075	0.011028	0.676095	0.633614	0.0888462	9.92E-13	-0.0072717	0.0174348	0.6766182	0.5575284	15	0.92610213
ENSG00000085832	1	EPS15	51819935	rs151129349	1	51999831	A	G	0.0506958	-0.0160628	0.0232633	0.489892	0.787314	0.0981843	1.07E-15	-0.020402	0.029657	0.4914953	0.5211168	9	0.86252211
ENSG00000078618	1	NRD1	52254863	rs112010165	1	52292576	T	C	0.0188867	0.00349979	0.0344865	0.919167	1.59968	0.180001	6.27E-19	0.00218781	0.0215598	0.9191724	0.2770526	20	0.98817404
ENSG00000154222	1	CC2D1B	52811395	rs7513934	1	52818188	A	G	0.476143	-0.0057059	0.00809941	0.481134	0.430166	0.049576	4.07E-18	-0.0132644	0.0188905	0.4825729	0.9929797	20	0.86066122
ENSG00000134744	1	ZCCHC11	52873954	rs11805462	1	53003821	T	C	0.0506958	-0.0073924	0.0173094	0.669328	1.01876	0.0949551	7.45E-27	-0.0072562	0.0170041	0.6695735	0.3694963	20	0.92466627
ENSG00000162377	1	SELRC1	53152508	rs269322	1	53129119	C	T	0.367793	0.00742761	0.00848586	0.381415	-0.367567	0.042576	5.97E-18	-0.0202075	0.0232049	0.3838479	0.3617815	9	0.82154563
ENSG00000121310	1	ECHDC2	53361656	rs1242198	1	53352016	A	G	0.60338	0.0103749	0.00814331	0.20265	0.459654	0.0652294	1.83E-12	0.0225711	0.0180034	0.2099461	0.3633703	17	0.70981777
ENSG00000162383	1	SLC1A7	53552855	rs11206111	1	53609496	T	C	0.367793	0.010745	0.00831645	0.19635	0.837169	0.0692478	1.20E-33	0.0128349	0.00999059	0.1988965	0.7889805	20	0.70012354
ENSG00000235563	1	RP11-334A14.8	53580248	rs12132835	1	53600889	T	C	0.247515	0.0157981	0.00960631	0.100062	0.558103	0.0995785	2.09E-08	0.0283068	0.0179381	0.1145602	0.9622219	3	0.61794187
ENSG00000162384	1	C1orf123	53679771	rs12145535	1	53693831	T	C	0.316103	-0.0129892	0.00825884	0.115773	-0.62831	0.0617814	2.70E-24	0.0206732	0.0133008	0.1201161	0.3733166	15	0.62616883
ENSG00000157193	1	LRP8	53711217	rs41294758	1	53738419	T	C	0.121272	0.026047	0.012672	0.0398327	0.46343	0.0734628	2.82E-10	0.0562048	0.0287588	0.05065999	0.5081125	6	0.48550762
ENSG00000174332	1	GLIS1	53971910	rs17383325	1	54126552	G	C	0.202783	-0.0055412	0.0105788	0.600413	0.819625	0.0954738	9.10E-18	-0.0067607	0.0129309	0.6010899	0.6180182	20	0.90065642
ENSG00000116221	1	MRPL37	54649714	rs11206305	1	54688211	T	C	0.127237	-0.0238522	0.0107603	0.026644	0.738282	0.0709717	2.42E-25	-0.0323077	0.014902	0.03015798	0.6521717	8	0.41039362
ENSG00000143001	1	TMEM61	55446465	rs2098967	1	55447978	G	A	0.772366	-0.0025258	0.00944562	0.78916	-0.82142	0.0881079	1.13E-20	0.00307488	0.0115039	0.7892449	0.2935632	9	0.9600829
ENSG00000162399	1	BSND	55464606	rs2500336	1	55461796	G	A	0.797217	0.00222398	0.00954384	0.81574	-1.12198	0.0997248	2.30E-29	-0.0019822	0.00850807	0.8157786	0.4016861	12	0.96637758
ENSG00000169174	1	PCSK9	55505221	rs11583680	1	55505668	T	C	0.134195	0.0119573	0.0134869	0.375301	-0.807053	0.127018	2.10E-10	-0.014816	0.0168732	0.3799007	0.4817698	3	0.82033551
ENSG00000162402	1	USP24	55532032	rs7515740	1	55697193	A	G	0.83499	-0.0205631	0.0123991	0.0972277	0.384876	0.0694708	3.02E-08	-0.0534279	0.0336283	0.1121109	0.4182464	8	0.61545125
ENSG00000173406	1	DAB1	57460451	rs12139429	1	57812260	T	G	0.421471	0.00138424	0.00828299	0.867277	0.504303	0.0621295	4.78E-16	0.00274486	0.0164281	0.8673048	0.2778111	12	0.97828063
ENSG00000227935	1	RP6-102O10.1	57852248	rs17458751	1	57854956	T	A	0.403579	0.00754592	0.00853661	0.376725	0.638605	0.0806618	2.43E-15	0.0118163	0.0134507	0.3796782	0.1425549	20	0.82033551
ENSG00000162600	1	OMA1	58881056	rs12087583	1	59044803	T	C	0.17495	0.00701369	0.0130721	0.591586	0.465436	0.0782051	2.66E-09	0.0150691	0.0281996	0.5930844	0.0836306	10	0.89807048
ENSG00000162601	1	MYSM1	59120411	rs11207300	1	59172029	G	A	0.134195	0.0402837	0.0138448	0.00361826	0.314194	0.0494222	2.05E-10	0.128213	0.0484604	0.0081517	0.5621786	9	0.28918841
ENSG00000226476	1	RP11-776H12.1	61005921	rs1461351	1	61105369	G	A	0.499006	0.00748517	0.00805002	0.352459	0.267248	0.0483128	3.17E-08	0.0280083	0.0305445	0.3591594	0.3943342	8	0.81746804
ENSG00000240563	1	L1TD1	62660503	rs2481703	1	62644118	G	A	0.536779	0.00196236	0.00810422	0.808671	0.868176	0.0794117	8.05E-28	0.00226033	0.00933706	0.8087173	0.4416487	20	0.96594546
ENSG00000125703	1	ATG4C	63249806	rs12085401	1	63293950	C	T	0.138171	0.0306343	0.0116487	0.0085426	0.4807	0.0639706	5.72E-14	0.0637285	0.025674	0.01305657	0.6336575	18	0.33878364
ENSG00000088035	1	ALG6	63833261	rs3009573	1	63904294	C	T	0.687873	-0.014805	0.00860466	0.0853277	0.598504	0.066183	1.52E-19	-0.0247367	0.0146349	0.09097868	0.3625981	9	0.58753346
ENSG00000142856	1	ITGB3BP	63906441	rs855316	1	64069495	A	G	0.684891	-0.0164959	0.00856966	0.05424	-0.916328	0.0805921	5.90E-30	0.0180022	0.00948525	0.05770768	0.6539095	12	0.49897841
ENSG00000203965	1	EFCAB7	63989043	rs35636510	1	63954391	T	C	0.144135	-0.0242304	0.0118179	0.0403339	0.526602	0.0719512	2.50E-13	-0.0460127	0.0233058	0.04834694	0.2936494	15	0.48070399
ENSG00000185483	1	ROR1	64239693	rs3861946	1	64383389	A	C	0.522863	0.0048178	0.00860152	0.575404	-0.950189	0.0726752	4.61E-39	-0.0050704	0.00906073	0.5757543	0.1759153	15	0.89166741
ENSG00000162437	1	RAVER2	65210778	rs2500234	1	65235535	G	A	0.350895	-0.0037313	0.00814426	0.646846	0.31117	0.0568746	4.47E-08	-0.0119911	0.0262646	0.6479941	0.08487487	3	0.92239093
ENSG00000162434	1	JAK1	65298912	rs2780885	1	65331372	T	C	0.251491	0.00545624	0.00909602	0.548607	-0.761936	0.0632908	2.23E-33	-0.007161	0.0119528	0.5491023	0.4841	20	0.88133611
ENSG00000152760	1	TCTEX1D1	67218142	rs6697073	1	67227698	G	A	0.152087	0.0285898	0.0117915	0.0153246	-0.7261	0.0798427	9.53E-20	-0.0393745	0.0168068	0.01914091	0.6014735	20	0.35949739
ENSG00000197568	1	HHLA3	70820488	rs12732737	1	70823816	G	C	0.263419	0.00540478	0.0107056	0.61366	-0.459494	0.0645737	1.11E-12	-0.0117625	0.0233572	0.6145498	0.5735864	7	0.90683002
ENSG00000227207	1	RPL31P12	72767155	rs1460943	1	72813129	T	C	0.641153	0.0244614	0.00843928	0.0037493	-1.09257	0.0759692	6.74E-47	-0.0223889	0.00787956	0.00449181	0.3840303	20	0.24661235
ENSG00000254685	1	FPGT	74663896	rs500203	1	74701651	T	A	0.411531	0.00375856	0.00813073	0.64389	-0.463728	0.0659866	2.10E-12	-0.0081051	0.0175713	0.6446055	0.7401075	11	0.92078672
ENSG00000116783	1	TNNI3K	74663947	rs34018059	1	74641756	G	C	0.407555	0.00105024	0.0085646	0.902403	0.545146	0.0664313	2.28E-16	0.00192653	0.0157124	0.9024143	0.9487123	9	0.98662577
ENSG00000162621	1	LRRC53	74935562	rs9663048	1	74891233	G	C	0.292247	-0.020106	0.00881713	0.0225881	0.837087	0.103686	6.84E-16	-0.024019	0.0109452	0.02820122	0.8679569	7	0.4027262
ENSG00000272864	1	RP11-17E13.2	75164453	rs4145871	1	75218704	T	C	0.685885	-0.0032886	0.00855513	0.700679	-0.781224	0.0798304	1.29E-22	0.0042096	0.0109594	0.7008974	0.2351622	17	0.93769209
ENSG00000116791	1	CRYZ	75171170	rs2345436	1	75198740	C	A	0.685885	-0.0011061	0.00851145	0.896607	-0.626189	0.0789977	2.25E-15	0.00176632	0.0135943	0.896621	0.2527492	5	0.98597578
ENSG00000162623	1	TYW3	75198836	rs28602706	1	75199973	C	T	0.544732	0.00990735	0.00811915	0.222372	-0.529798	0.0608507	3.13E-18	-0.0187002	0.0154748	0.2268804	0.03920757	16	0.72746085
ENSG00000137968	1	SLC44A5	75667816	rs7541214	1	76001635	C	T	0.180915	0.0218997	0.0100452	0.0292489	0.735643	0.101308	3.83E-13	0.0297695	0.0142571	0.03679425	0.6687724	13	0.43539863
ENSG00000117054	1	ACADM	76190036	rs2788655	1	76225633	C	A	0.614314	-0.0008959	0.00826023	0.913629	0.680923	0.0711427	1.06E-21	-0.0013157	0.0121317	0.9136348	0.929085	15	0.98753784
ENSG00000057468	1	MSH4	76262567	rs1146631	1	76250636	C	G	0.616302	0.00061477	0.00816288	0.939966	0.713681	0.0801121	5.17E-19	0.0008614	0.0114381	0.9399682	0.7889927	20	0.99338916
ENSG00000162613	1	FUBP1	78409740	rs34517439	1	78450517	A	C	0.0914513	-0.0099295	0.012096	0.411709	-0.300495	0.0459612	6.23E-11	0.0330437	0.0405696	0.4153621	0.07006907	3	0.83806414
ENSG00000122417	1	ODF2L	86814344	rs6674140	1	86859489	C	G	0.318091	0.00332146	0.0085823	0.698747	-0.558187	0.0572079	1.72E-22	-0.0059504	0.0153874	0.6989719	0.2990198	20	0.93710568
ENSG00000183291	1	15-Sep	87328132	rs519710	1	87351803	A	G	0.195825	-0.0101488	0.0107199	0.343779	0.376985	0.0462406	3.56E-16	-0.026921	0.028627	0.3470094	0.5128142	20	0.8110906
ENSG00000267272	1	RP5-1052I5.1	87595448	rs6686259	1	87598117	G	T	0.728628	0.0114793	0.00893255	0.198755	0.760763	0.0837645	1.06E-19	0.0150892	0.0118585	0.203219	0.1446206	12	0.70358996
ENSG00000137944	1	CCBL2	89401456	rs9787377	1	89383098	T	G	0.482107	-0.0095373	0.00810647	0.239393	-0.538956	0.0544144	3.97E-23	0.0176959	0.0151468	0.2426892	0.4597985	20	0.73696264
ENSG00000117226	1	GBP3	89472349	rs10922542	1	89485198	T	C	0.331014	0.0176859	0.00944196	0.0610534	-0.916334	0.0712881	8.17E-38	-0.0193007	0.0104129	0.0638049	0.6688464	20	0.50845953
ENSG00000213512	1	GBP7	89597434	rs523772	1	89698147	G	A	0.477137	-0.0122585	0.00812228	0.131235	0.618359	0.0980305	2.83E-10	-0.0198242	0.013506	0.1421548	0.4075127	14	0.63982352
ENSG00000197147	1	LRRC8B	89990395	rs12125224	1	90053563	G	A	0.465209	0.00702669	0.00804626	0.382508	-0.529466	0.0659328	9.72E-16	-0.0132713	0.0152865	0.3853023	0.1443489	19	0.8221103
ENSG00000162669	1	HFM1	91726323	rs17131429	1	91870410	C	G	0.302187	0.018725	0.00900906	0.0376669	0.461959	0.0522215	9.06E-19	0.0405339	0.0200329	0.04303566	0.1130032	8	0.45993902
ENSG00000097046	1	CDC7	91966408	rs13447450	1	91965850	T	C	0.393638	-0.0122728	0.00869576	0.158142	-0.580816	0.0486807	8.15E-33	0.0211303	0.015076	0.16104	0.09124459	20	0.65939472
ENSG00000069712	1	KIAA1107	92632542	rs12119246	1	92602477	G	A	0.615308	0.00910423	0.00811758	0.262055	-0.314888	0.045102	2.92E-12	-0.0289126	0.0261098	0.2681435	0.3525703	12	0.75472439
ENSG00000273487	1	RP4-621B10.8	92654794	rs143172419	1	93523515	A	G	0.0238569	-0.0471321	0.0420459	0.262302	0.759312	0.130296	5.62E-09	-0.0620721	0.0563888	0.270989	0.2182998	20	0.75891975
ENSG00000154511	1	FAM69A	93307724	rs34324830	1	93087855	T	C	0.105368	-0.0005027	0.0125668	0.968089	0.534612	0.0780671	7.48E-12	-0.0009404	0.0235068	0.9680901	0.03595516	20	0.99660087
ENSG00000223745	1	RP4-717I23.3	93727743	rs1323628	1	93810900	G	A	0.809145	-0.0014042	0.0109175	0.897658	1.34797	0.0933918	3.19E-47	-0.0010417	0.00809954	0.8976623	0.05138937	20	0.98597578
ENSG00000230439	1	RP11-488P3.1	94218480	rs4314890	1	94224412	T	A	0.681909	-0.0037643	0.00881954	0.669519	-0.971337	0.091762	3.48E-26	0.00387534	0.00908717	0.6697708	0.09789729	19	0.92466627
ENSG00000223675	1	RP11-86H7.6	95051112	rs11165263	1	95320718	C	T	0.17495	-0.0133155	0.0100209	0.183925	0.712703	0.11444	4.73E-10	-0.0186831	0.0143769	0.1937647	0.8952674	4	0.6955129
ENSG00000224081	1	LINC01057	95104017	rs11165263	1	95320718	C	T	0.17495	-0.0133155	0.0100209	0.183925	1.43316	0.108103	4.09E-40	-0.009291	0.00702721	0.1861188	0.6375617	12	0.68634888
ENSG00000143036	1	SLC44A3	95285898	rs11165263	1	95320718	C	T	0.17495	-0.0133155	0.0100209	0.183925	1.40548	0.108699	3.05E-38	-0.009474	0.00716743	0.186231	0.6901555	14	0.68634888
ENSG00000117519	1	CNN3	95362507	rs11165263	1	95320718	C	T	0.17495	-0.0133155	0.0100209	0.183925	0.462418	0.0567667	3.76E-16	-0.0287954	0.0219571	0.1897092	0.541034	7	0.68934009
ENSG00000122481	1	RWDD3	95699711	rs1998683	1	95725624	T	A	0.60835	0.00259047	0.00830723	0.755167	-0.66514	0.0671092	3.72E-23	-0.0038946	0.0124956	0.7552845	0.4298735	20	0.95258055
ENSG00000122477	1	LRRC39	100614409	rs41287250	1	100643730	G	A	0.0467197	-0.0258121	0.0241013	0.284176	1.27277	0.157522	6.48E-16	-0.0202803	0.0191017	0.2883729	0.1183894	20	0.77260048
ENSG00000137992	1	DBT	100652475	rs3122126	1	100728138	G	A	0.872763	-0.0127907	0.0123057	0.298613	0.482064	0.0856756	1.84E-08	-0.0265332	0.025959	0.3067247	0.9640346	3	0.77894167
ENSG00000137996	1	RTCA	100731763	rs11166424	1	100754434	G	A	0.125249	0.0129452	0.0123159	0.293212	0.448183	0.0816684	4.07E-08	0.0288837	0.0279791	0.3019167	0.9598021	4	0.77863838
ENSG00000233184	1	RP11-421L21.3	101491434	rs10493942	1	101545482	A	G	0.235586	-0.0137359	0.0120357	0.253761	0.446545	0.069292	1.16E-10	-0.0307604	0.0273723	0.2611076	0.04361483	15	0.74586579
ENSG00000198890	1	PRMT6	107599267	rs2232015	1	107599258	T	A	0.321074	-0.0077969	0.00883671	0.377597	-0.415132	0.0653433	2.11E-10	0.0187818	0.0214908	0.382149	0.8621935	5	0.82033551
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-1.09119	0.0806947	1.15E-41	-0.0087093	0.00866948	0.3150935	0.4571179	20	0.78671933
ENSG00000162636	1	FAM102B	109102711	rs41278478	1	109177802	A	G	0.0357853	-9.72E-05	0.0175275	0.995577	1.04041	0.118731	1.91E-18	-9.34E-05	0.0168467	0.9955765	0.2992148	3	0.99906546
ENSG00000134222	1	PSRC1	109822178	rs3738777	1	109836835	G	A	0.321074	-0.0087	0.0085064	0.30642	-0.299357	0.0526269	1.28E-08	0.0290624	0.0288712	0.3141175	0.1527054	3	0.78583936
ENSG00000143028	1	SYPL2	110009180	rs491285	1	110019002	T	C	0.311133	0.00931988	0.00857885	0.277312	0.67192	0.0777704	5.63E-18	0.0138705	0.0128682	0.2810824	0.07133832	20	0.76652901
ENSG00000134201	1	GSTM5	110254864	rs11101989	1	110253741	C	A	0.336978	0.00543156	0.00829599	0.512647	-0.878135	0.0735385	7.22E-33	-0.0061853	0.00946147	0.5132798	0.4929387	20	0.87006491
ENSG00000241720	1	RP4-735C1.4	110268442	rs4970777	1	110283785	T	C	0.55169	-0.0014575	0.00810529	0.857294	0.622325	0.090037	4.78E-12	-0.002342	0.0130286	0.8573419	0.2675811	8	0.97828063
ENSG00000134202	1	GSTM3	110276554	rs1332018	1	110282972	T	G	0.550696	-0.0011931	0.00810532	0.882978	1.08732	0.0680946	2.14E-57	-0.0010973	0.00745472	0.8829833	0.1602079	20	0.98282556
ENSG00000156150	1	ALX3	110602616	rs61785513	1	110608419	G	A	0.22664	-0.0112214	0.00951614	0.238321	0.773186	0.125191	6.57E-10	-0.0145132	0.01253	0.2467524	0.7265579	3	0.74075291
ENSG00000116396	1	KCNC4	110753965	rs111937628	1	110752849	G	A	0.572565	0.00723541	0.00821342	0.378358	-0.492488	0.0697154	1.61E-12	-0.0146915	0.0168066	0.382034	0.3709349	18	0.82033551
ENSG00000227963	1	RP5-1074L1.1	110828997	rs680823	1	110848727	G	C	0.535785	-0.0015487	0.0080939	0.848254	0.717631	0.0659553	1.43E-27	-0.0021581	0.0112804	0.8482773	0.7433675	20	0.97740934
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.845282	0.0647305	5.68E-39	0.00552457	0.0102303	0.5891838	0.284462	20	0.89548788
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	0.749158	0.0712648	7.58E-26	-0.0002354	0.0130603	0.9856174	0.3105257	14	0.9980451
ENSG00000134245	1	WNT2B	113009163	rs10776756	1	113098015	G	A	0.476143	-0.005063	0.00811578	0.532731	-0.47693	0.0610297	5.51E-15	0.0106158	0.0170708	0.5340311	0.5930834	11	0.87557054
ENSG00000273483	1	RP4-671G15.2	113060421	rs10745330	1	113083439	T	C	0.481113	-0.0051757	0.00812499	0.524115	-0.456768	0.0511632	4.35E-19	0.0113312	0.0178332	0.5251679	0.3390002	12	0.87483799
ENSG00000007341	1	ST7L	113066140	rs6700673	1	113157054	T	C	0.487078	-0.0097069	0.00824963	0.239335	0.358501	0.0631576	1.38E-08	-0.0270764	0.0235007	0.2492572	0.5228638	4	0.74270962
ENSG00000215866	1	RP11-426L16.8	113362792	rs6687010	1	113378273	C	T	0.084493	0.00496408	0.0143673	0.729709	-0.775547	0.126309	8.25E-10	-0.0064008	0.0185547	0.7301194	0.6486082	5	0.94273217
ENSG00000081026	1	MAGI3	113933371	rs12129076	1	114209414	A	C	0.22664	0.00147842	0.00936416	0.874551	0.368273	0.0612073	1.78E-09	0.00401447	0.025436	0.8745936	0.3990864	13	0.97952151
ENSG00000232450	1	RP4-730K3.3	114241506	rs3752954	1	114242122	C	T	0.347913	0.00054752	0.00860519	0.949267	-0.58521	0.0726723	8.10E-16	-0.0009356	0.0147049	0.9492691	0.6638028	17	0.99338916
ENSG00000134242	1	PTPN22	114356433	rs6665194	1	114417843	A	G	0.431412	0.00357377	0.00806563	0.657703	0.420259	0.0675553	4.94E-10	0.00850373	0.0192407	0.6585133	0.4545692	7	0.92410154
ENSG00000226167	1	AP4B1-AS1	114399257	rs12566340	1	114420328	T	C	0.250497	-0.0082731	0.00872869	0.34323	-0.409245	0.0724595	1.62E-08	0.0202155	0.021627	0.3499261	0.9259186	6	0.81376292
ENSG00000134262	1	AP4B1	114437370	rs1217397	1	114447565	A	G	0.249503	-0.0077193	0.00935512	0.40929	-0.390118	0.0514982	3.58E-14	0.0197871	0.0241221	0.4120497	0.7342375	15	0.83688257
ENSG00000134198	1	TSPAN2	115590632	rs1406860	1	115626250	G	A	0.675944	-0.0024085	0.00836403	0.773377	-0.954149	0.0926079	6.82E-25	0.00252425	0.00876938	0.773463	0.8903722	20	0.95712351
ENSG00000228127	1	RP11-12L8.1	116461997	rs10754390	1	116426939	T	C	0.666004	0.0110695	0.0082999	0.182303	0.553874	0.0854249	8.95E-11	0.0199856	0.0152989	0.1914368	0.06110455	14	0.69013161
ENSG00000173212	1	MAB21L3	116654376	rs79777502	1	116649466	G	A	0.026839	0.0485399	0.0317414	0.126207	1.96937	0.261958	5.57E-14	0.0246474	0.0164476	0.1339925	0.6146717	6	0.63721248
ENSG00000134247	1	PTGFRN	117452679	rs12065518	1	117528279	A	G	0.205765	0.0167244	0.010612	0.115031	0.409925	0.0720862	1.30E-08	0.0407987	0.0268635	0.1288272	0.05818481	16	0.63721248
ENSG00000116830	1	TTF2	117602925	rs2274253	1	117603156	T	G	0.0526839	-0.0075429	0.015564	0.627934	1.4103	0.155626	1.28E-19	-0.0053484	0.0110517	0.6284251	0.8625586	5	0.91471687
ENSG00000134253	1	TRIM45	117653682	rs749902	1	117660754	T	C	0.352883	0.00130798	0.00868765	0.880326	0.506247	0.0564304	2.93E-19	0.00258368	0.0171633	0.8803425	0.7081257	9	0.98191477
ENSG00000116874	1	WARS2	119573839	rs2247883	1	119577837	T	A	0.45328	-0.0091362	0.0080563	0.256779	-0.9612	0.077036	9.93E-36	0.00950494	0.00841605	0.2587364	0.5391345	20	0.74586579
ENSG00000231365	1	RP11-418J17.1	119683019	rs61806983	1	119731524	C	G	0.277336	-0.0117962	0.00933832	0.206518	-0.92076	0.0829999	1.35E-28	0.0128114	0.0102075	0.209445	0.8947788	20	0.70955124
ENSG00000143067	1	ZNF697	120162045	rs10802125	1	120167304	A	G	0.0974155	0.0101642	0.0139059	0.46482	-0.745965	0.105521	1.56E-12	-0.0136256	0.0187409	0.4671945	0.361532	12	0.85740342
ENSG00000188610	1	FAM72B	120837756	rs147542369	1	121318022	C	G	0.138171	0.0233386	0.0120067	0.0519194	0.608523	0.105395	7.75E-09	0.0383529	0.020819	0.06544572	0.9084595	3	0.51110769
ENSG00000223345	1	HIST2H2BA	120906028	rs7536214	1	121147880	T	A	0.60835	-0.0082809	0.0085488	0.332713	0.867558	0.0818222	2.89E-26	-0.0095451	0.0098949	0.334722	0.5957029	17	0.80238543
ENSG00000272583	1	RP11-344P13.6	121260164	rs6600662	1	121230790	A	G	0.479125	-0.0001084	0.00814331	0.989378	-0.3909	0.0668219	4.92E-09	0.00027736	0.0208323	0.9893775	0.1313624	11	0.9989377
ENSG00000231752	1	EMBP1	121261143	rs17842565	1	121283515	A	T	0.104374	-0.0078215	0.0108601	0.471398	1.03651	0.13662	3.28E-14	-0.007546	0.0105247	0.4733841	0.4694487	6	0.85740342
ENSG00000223804	1	RP6-206I17.1	143647638	rs71259660	1	144581564	A	C	0.206759	-0.0042204	0.00987884	0.669223	-0.920922	0.109003	2.95E-17	0.00458278	0.0107408	0.6696204	0.527697	13	0.92466627
ENSG00000227733	1	RP4-565E6.1	146093234	rs200777522	1	147595042	G	T	0.151093	-0.0091714	0.0114199	0.421912	-0.860457	0.127087	1.28E-11	0.0106588	0.0133649	0.4251514	0.4547305	14	0.8444398
ENSG00000244371	1	PFN1P8	146392310	rs145475856	1	146367867	T	G	0.265408	-0.0004951	0.00989886	0.96011	-0.681178	0.0940751	4.46E-13	0.00072681	0.0145323	0.9601115	0.8237999	11	0.99596391
ENSG00000227242	1	NBPF13P	146490895	rs35811591	1	146515238	C	T	0.724652	0.0124729	0.00991235	0.208274	-0.811923	0.104795	9.35E-15	-0.0153622	0.0123685	0.21422	0.9923768	20	0.71470811
ENSG00000225603	1	RP11-325P15.1	146522379	rs12124149	1	146523897	T	G	0.260437	-0.0124164	0.0100505	0.216682	0.748749	0.104553	7.98E-13	-0.0165829	0.0136213	0.2234446	0.9584369	20	0.72395175
ENSG00000131791	1	PRKAB2	146626685	rs11239951	1	146709784	T	C	0.479125	0.00434299	0.0080941	0.59157	-0.2792	0.0421161	3.37E-11	-0.0155551	0.0290851	0.5927788	0.9165154	20	0.89789601
ENSG00000131778	1	CHD1L	146714291	rs7542951	1	146812058	T	C	0.230616	0.00487845	0.00932732	0.600955	0.699731	0.0658278	2.17E-26	0.00697189	0.013346	0.6013946	0.9597731	20	0.90065642
ENSG00000162836	1	ACP6	147101453	rs1344	1	147119273	A	G	0.576541	-0.0039214	0.00818002	0.631662	0.579197	0.0609483	2.04E-21	-0.0067704	0.014141	0.6320951	0.4008871	12	0.91688388
ENSG00000215859	1	RP6-74O6.2	147466094	rs201385345	1	145997370	T	C	0.184891	0.00300798	0.0102291	0.768711	-0.680002	0.104455	7.52E-11	-0.0044235	0.0150581	0.7689401	0.5757955	8	0.95547643
ENSG00000023902	1	PLEKHO1	150121373	rs10888573	1	150130835	G	A	0.27336	-0.0179453	0.00932562	0.0543163	0.373762	0.0507344	1.74E-13	-0.0480126	0.0257878	0.0626264	0.00975312	12	0.50845953
ENSG00000143369	1	ECM1	150480538	rs34609268	1	150477840	C	G	0.0675944	0.00692272	0.0142888	0.62804	0.761482	0.0905007	3.96E-17	0.00909111	0.0187955	0.6286097	0.06468178	20	0.91471687
ENSG00000163131	1	CTSS	150702672	rs10305720	1	150798577	G	C	0.392644	-0.0053094	0.00843349	0.528982	0.630759	0.0688553	5.16E-20	-0.0084175	0.0134019	0.5299516	0.4368839	20	0.87557054
ENSG00000143387	1	CTSK	150768684	rs11204737	1	150847647	T	C	0.512922	0.00219709	0.00811157	0.7865	-0.656964	0.056387	2.27E-31	-0.0033443	0.0123504	0.7865559	0.00567968	20	0.9600829
ENSG00000143437	1	ARNT	150782181	rs11204737	1	150847647	T	C	0.512922	0.00219709	0.00811157	0.7865	-0.325937	0.0482648	1.45E-11	-0.0067408	0.0249069	0.786667	0.00619948	15	0.9600829
ENSG00000143418	1	CERS2	150933059	rs8444	1	150938571	A	G	0.366799	-0.0064283	0.00845897	0.447293	0.496565	0.0530789	8.34E-21	-0.0129455	0.0170911	0.448786	0.3538419	20	0.85417294
ENSG00000163141	1	BNIPL	151009046	rs2902811	1	151010521	C	G	0.770378	-0.0002998	0.00907753	0.973657	-0.386535	0.0678475	1.22E-08	0.00077552	0.0234848	0.973657	0.07998985	10	0.99743145
ENSG00000143458	1	GABPB2	151043054	rs2864700	1	151028929	T	C	0.594433	0.0144733	0.00822431	0.0784386	-0.305875	0.05096	1.95E-09	-0.0473177	0.0280197	0.0912708	0.9631072	7	0.58835819
ENSG00000261168	1	RP11-68I18.10	151102551	rs4357530	1	151103153	A	G	0.701789	0.00974973	0.00855106	0.254212	-0.328906	0.0536547	8.79E-10	-0.0296429	0.0264444	0.2623079	0.2816922	13	0.74595058
ENSG00000143434	1	SEMA6C	151104161	rs75358607	1	151119769	A	T	0.0656064	-0.0362947	0.0162332	0.025363	0.93074	0.099886	1.19E-20	-0.0389955	0.0179362	0.0296961	0.3429477	20	0.41039362
ENSG00000163155	1	LYSMD1	151132224	rs7528275	1	151103537	T	C	0.949304	0.0105343	0.0199102	0.596743	-0.878345	0.138252	2.11E-10	-0.0119934	0.0227463	0.5980093	0.2275589	8	0.89978219

ENSG00000143416	1	SELENBP1	151336778	rs61818031	1	151349916	C	G	0.315109	0.0144545	0.00945759	0.126427	-0.300784	0.0420672	8.67E-13	-0.0480561	0.0321534	0.1350224	0.7133433	7	0.63721248
ENSG00000143442	1	POGZ	151375200	rs6587572	1	151386465	C	A	0.853877	0.0103016	0.0110514	0.351257	-0.43379	0.0570101	2.76E-14	-0.0237479	0.0256668	0.354843	0.1291569	14	0.81746804
ENSG00000143376	1	SNX27	151584541	rs1308148	1	151674396	C	T	0.33499	0.0206278	0.0085791	0.0161976	0.486076	0.062689	8.92E-15	0.0424374	0.0184788	0.021645	0.1446815	15	0.36953203
ENSG00000182134	1	TDRKH	151742583	rs1623480	1	151746524	A	C	0.513917	-0.0068448	0.00807504	0.396636	-0.344719	0.037711	6.18E-20	0.0198561	0.0235255	0.3986558	0.07192231	20	0.82963504
ENSG00000213171	1	LINGO4	151772740	rs9017	1	151778683	T	C	0.643141	-0.023732	0.00838179	0.00463479	-0.456935	0.0648378	1.82E-12	0.0519374	0.0197686	0.00860742	0.1198247	10	0.29231653
ENSG00000159445	1	THEM4	151846060	rs10788817	1	151882856	G	C	0.605368	0.00045897	0.00840219	0.956438	0.448415	0.0561814	1.44E-15	0.00102353	0.018738	0.9564385	0.9015737	20	0.99568877
ENSG00000197747	1	S100A10	151955391	rs6678672	1	151955009	T	C	0.286282	-0.0017688	0.00930169	0.849188	-0.428634	0.0585676	2.51E-13	0.00412648	0.0217081	0.849239	0.5308617	9	0.97747911
ENSG00000237975	1	FLG-AS1	152140601	rs7545406	1	152193286	T	G	0.585487	-0.0033149	0.00836087	0.691755	-0.996094	0.0860829	5.76E-31	0.00332788	0.00839858	0.6919258	0.2669763	20	0.93411836
ENSG00000143631	1	FLG	152274651	rs7545406	1	152193286	T	G	0.585487	-0.0033149	0.00836087	0.691755	-0.656245	0.0939208	2.80E-12	0.00505128	0.012761	0.692224	0.4651363	8	0.93419121
ENSG00000197084	1	LCE1C	152777311	rs34384421	1	152746417	T	C	0.397614	0.00356255	0.00866739	0.681052	-0.546836	0.0974241	1.99E-08	-0.0065148	0.0158925	0.6818562	0.8717983	8	0.9275455
ENSG00000163206	1	SMCP	152850793	rs12094874	1	152772183	A	G	0.356859	-0.0009151	0.00889221	0.918035	-0.954158	0.0861316	1.61E-28	0.00095905	0.00931983	0.9180388	0.3509489	20	0.98780912
ENSG00000196754	1	S100A2	153533584	rs9700179	1	153585584	A	G	0.412525	0.0153778	0.00829609	0.0637926	-0.728622	0.0793789	4.35E-20	-0.0211053	0.0116158	0.06922585	0.8004542	17	0.52084703
ENSG00000188643	1	S100A16	153579362	rs9700179	1	153585584	A	G	0.412525	0.0153778	0.00829609	0.0637926	-0.670577	0.049314	4.11E-42	-0.0229322	0.012486	0.06626382	0.7937905	20	0.51232503
ENSG00000189171	1	S100A13	153591263	rs9330298	1	153590254	A	C	0.45825	0.0147707	0.00816625	0.0704904	0.363751	0.0531237	7.53E-12	0.0406066	0.0232202	0.08033171	0.7920896	16	0.55522188
ENSG00000272030	1	RP1-178F15.4	153603914	rs28379831	1	153607631	G	T	0.524851	0.0106154	0.00805328	0.187455	-0.592788	0.0868437	8.74E-12	-0.0179076	0.0138364	0.1955842	0.5028031	16	0.69727012
ENSG00000143554	1	SLC27A3	153746830	rs9427318	1	153980904	G	T	0.489066	0.0058923	0.00809157	0.46649	-0.263604	0.0482282	4.61E-08	-0.0223528	0.0309672	0.4704025	0.9730327	9	0.85740342
ENSG00000198837	1	DENND4B	153901977	rs113191295	1	153912623	A	G	0.0636183	-0.0202162	0.0178654	0.257809	0.904969	0.0903607	1.31E-23	-0.0223391	0.0198671	0.2608309	0.5348715	8	0.74586579
ENSG00000143552	1	NUP210L	153965161	rs116605491	1	153794951	A	G	0.0318091	0.0178057	0.0162585	0.273446	1.67103	0.166554	1.09E-23	0.0106555	0.00978742	0.2762881	0.1358948	13	0.76430333
ENSG00000163239	1	TDRD10	154474695	rs7526293	1	154444209	C	T	0.770378	-0.0203744	0.00865062	0.0185102	0.372249	0.0668014	2.51E-08	-0.0547333	0.0252292	0.03004953	0.5245859	4	0.41039362
ENSG00000163354	1	DCST2	154990996	rs10908452	1	155001929	C	T	0.361829	0.00936987	0.00816775	0.251308	-0.835906	0.0777141	5.54E-27	-0.0112092	0.00982655	0.2539908	0.02739092	20	0.74586579
ENSG00000163357	1	DCST1	155006300	rs10908452	1	155001929	C	T	0.361829	0.00936987	0.00816775	0.251308	-0.539577	0.0859579	3.45E-10	-0.0173652	0.015388	0.2591136	0.02201763	9	0.74586579
ENSG00000143537	1	ADAM15	155023042	rs45444697	1	155034632	G	C	0.192843	0.00575666	0.0106022	0.587151	-0.587342	0.0706163	8.99E-17	-0.0098012	0.0180896	0.5879458	0.05043938	4	0.89548788
ENSG00000169242	1	EFNA1	155099936	rs4745	1	155106227	T	A	0.520875	0.0100079	0.00804647	0.213587	0.347575	0.0488991	1.18E-12	0.0287935	0.0235021	0.2205194	0.2674977	20	0.72284625
ENSG00000169231	1	THBS3	155165379	rs760077	1	155178782	A	T	0.394632	0.00997331	0.00833011	0.231205	-0.476043	0.0575684	1.35E-16	-0.0209504	0.0176811	0.236055	0.8375017	17	0.72913802
ENSG00000225855	1	RUSC1-AS1	155286654	rs3020781	1	155269776	G	A	0.282306	0.00677222	0.00882454	0.442826	0.509457	0.080457	2.42E-10	0.013293	0.0174482	0.4461463	0.2134609	15	0.85417294
ENSG00000125459	1	MSTO1	155579979	rs10908479	1	155643403	T	C	0.274354	0.00569491	0.00898195	0.526055	0.519573	0.0588611	1.07E-18	0.0109608	0.0173317	0.527119	0.3163955	20	0.87557054
ENSG00000143622	1	RIT1	155867599	rs3820592	1	156006013	C	T	0.253479	0.00072414	0.00893779	0.935426	-0.395471	0.0678925	5.71E-09	-0.0018311	0.0226026	0.935432	0.4419545	4	0.99333365
ENSG00000198952	1	SMG5	156219015	rs2274226	1	156314627	G	A	0.464215	0.0174381	0.00818845	0.0332047	-0.284561	0.0467565	1.16E-09	-0.0612807	0.0304865	0.04442161	0.7876629	9	0.46349438
ENSG00000163468	1	CCT3	156278759	rs11264462	1	156241728	A	G	0.264414	0.02138	0.00884937	0.0156928	-0.435392	0.047535	5.22E-20	-0.0491052	0.0210202	0.01948654	0.8318669	8	0.35949739
ENSG00000163382	1	APOA1BP	156561554	rs4661188	1	156560502	G	A	0.71173	-0.0156334	0.00937481	0.095396	0.500198	0.0523145	1.16E-21	-0.0312544	0.0190251	0.1004248	0.1005614	14	0.5994087
ENSG00000143320	1	CRABP2	156669398	rs1133856	1	156693135	T	C	0.0328032	-0.0128577	0.0170324	0.450312	-0.92997	0.162718	1.10E-08	0.0138259	0.0184741	0.4542212	0.4678197	3	0.85417294
ENSG00000223356	1	RP11-66D17.5	156682004	rs1133856	1	156693135	T	C	0.0328032	-0.0128577	0.0170324	0.450312	-1.34705	0.192253	2.44E-12	0.00954508	0.0127174	0.4529218	0.4632237	3	0.85417294
ENSG00000181036	1	FCRL6	159770301	rs1129923	1	159752066	A	G	0.11829	0.00882339	0.0118364	0.456002	1.03941	0.17277	1.79E-09	0.00848884	0.0114747	0.4594286	0.9567552	4	0.8565704
ENSG00000158714	1	SLAMF8	159796540	rs58863620	1	159806249	G	C	0.176938	0.0263331	0.0117325	0.0248022	-1.12651	0.077605	9.60E-48	-0.0233758	0.0105387	0.02654803	0.4767697	15	0.39738637
ENSG00000188004	1	C1orf204	159804264	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.468801	0.0704665	2.88E-11	0.0277015	0.0182328	0.1286809	0.1227693	9	0.63721248
ENSG00000243284	1	VSIG8	159824106	rs11265290	1	159843606	C	T	0.66501	0.00998844	0.00850639	0.240303	0.689377	0.0807417	1.36E-17	0.0144891	0.0124554	0.2447167	0.01175603	14	0.73840068
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.88691	0.0627198	2.13E-45	0.0146424	0.00943973	0.1208665	0.343008	14	0.62692666
ENSG00000162729	1	IGSF8	160061130	rs2295621	1	160062727	G	A	0.187873	-0.0066917	0.00930782	0.472183	-0.54204	0.0511121	2.83E-26	0.0123454	0.0172112	0.4731978	0.4343086	20	0.85740342
ENSG00000122218	1	COPA	160259063	rs6427508	1	160238857	C	T	0.567594	0.00547802	0.00806601	0.497043	0.346878	0.0487812	1.15E-12	0.0157924	0.023359	0.4989948	0.4990812	12	0.86521828
ENSG00000171786	1	NHLH1	160336857	rs7515302	1	160485452	T	C	0.421471	0.00079241	0.00813989	0.922449	0.595436	0.0999775	2.59E-09	0.00133081	0.0136723	0.9224594	0.4887871	9	0.98950443
ENSG00000162738	1	VANGL2	160370376	rs3766387	1	160519240	A	G	0.33996	0.00451181	0.009589	0.637984	-0.927446	0.0650611	4.17E-46	-0.0048648	0.0103448	0.638167	0.6830886	20	0.91799509
ENSG00000158769	1	F11R	160965001	rs10908821	1	161008535	G	C	0.130219	-0.0026172	0.0115838	0.821251	0.903001	0.103133	2.03E-18	-0.0028983	0.0128324	0.8213095	0.5449034	20	0.96842597
ENSG00000215845	1	TSTD1	161007421	rs12728349	1	161024782	T	C	0.630219	-0.001179	0.00824316	0.886266	-0.757206	0.0823057	3.58E-20	0.00155707	0.0108876	0.8862801	0.2879852	19	0.98384971
ENSG00000158793	1	NIT1	161087876	rs75766096	1	160948821	A	C	0.0228628	-0.0831473	0.0737034	0.259263	1.72095	0.235968	3.03E-13	-0.0483148	0.0433365	0.2649041	0.1293987	8	0.74898997
ENSG00000158864	1	NDUFS2	161166894	rs1136207	1	161183516	T	C	0.139165	0.00431982	0.0129399	0.738503	-0.440088	0.0655949	1.96E-11	-0.0098158	0.0294394	0.7388137	0.5066306	14	0.9459893
ENSG00000162746	1	FCRLB	161691353	rs11585450	1	161696782	C	G	0.525845	-0.0114234	0.00810293	0.158604	0.629713	0.0837045	5.35E-14	-0.0181406	0.0130916	0.1658489	0.7854409	17	0.66350633
ENSG00000118217	1	ATF6	161736084	rs16845827	1	161759848	A	G	0.0815109	0.0300334	0.0159885	0.0603212	0.517913	0.0833853	5.26E-10	0.0579893	0.032252	0.07217567	0.8862551	11	0.52783538
ENSG00000229808	1	RP11-456P18.2	161860623	rs1136046	1	161928771	A	G	0.100398	0.010381	0.0142156	0.465237	-0.67175	0.100951	2.85E-11	-0.0154537	0.0212891	0.4679025	0.1586588	5	0.85740342
ENSG00000198929	1	NOS1AP	162039564	rs12030100	1	162258904	C	T	0.262425	-0.0237243	0.00918853	0.00982426	0.797725	0.0725654	4.12E-28	-0.0297399	0.0118318	0.01195227	0.1316409	20	0.32568321
ENSG00000117152	1	RGS4	163038565	rs12132788	1	162886775	G	A	0.354871	-0.0043516	0.00863381	0.61425	-0.452119	0.0788322	9.74E-09	0.00962483	0.0191699	0.6156113	0.00675457	3	0.90739666
ENSG00000143198	1	MGST3	165600098	rs10737515	1	165599460	A	G	0.45328	0.0253007	0.00805177	0.00167652	-0.352255	0.0529361	2.85E-11	-0.071825	0.0252781	0.00449173	0.7625051	14	0.24661235
ENSG00000143183	1	TMCO1	165696032	rs4657471	1	165686873	C	T	0.856859	-0.0089521	0.0103118	0.385316	0.362133	0.0633119	1.07E-08	-0.0247206	0.0288013	0.3907184	0.3668973	4	0.82413137
ENSG00000236364	1	RP11-525G13.2	165865116	rs10918308	1	165872905	A	C	0.171968	-0.0006787	0.0106727	0.949297	0.842686	0.111552	4.21E-14	-0.0008054	0.0126655	0.9492984	0.6941882	13	0.99338916
ENSG00000225171	1	DUTP6	166837985	rs3738209	1	166820731	T	G	0.418489	0.00194879	0.00821668	0.812521	0.671306	0.0818649	2.40E-16	0.00290298	0.012245	0.812598	0.2568175	17	0.96594546
ENSG00000143167	1	GPA33	167022073	rs10918612	1	167035924	C	G	0.154076	0.00704421	0.012129	0.561393	-0.788496	0.144067	4.42E-08	-0.0089337	0.0154688	0.5635803	0.3765447	4	0.88385716
ENSG00000143156	1	NME7	169101769	rs4529780	1	169305468	G	A	0.585487	-0.0049179	0.0081529	0.546368	0.41384	0.0682018	1.30E-09	-0.0118836	0.0197977	0.548338	0.00459734	14	0.88133611
ENSG00000117477	1	CCDC181	169364108	rs6679086	1	169405045	G	A	0.125249	0.0101802	0.0113942	0.371614	-1.28706	0.111986	1.43E-30	-0.0079097	0.0088796	0.3730542	0.1827146	16	0.82005224
ENSG00000000460	1	C1orf112	169631245	rs12089057	1	169845756	A	T	0.260437	0.011708	0.00941909	0.213866	-0.767557	0.0685758	4.42E-29	-0.0152536	0.012347	0.2166769	0.7676251	20	0.71859753
ENSG00000171806	1	METTL18	169761670	rs12142505	1	169773863	C	A	0.0964215	-0.0213437	0.0159927	0.182011	-1.08929	0.100405	2.02E-27	0.0195941	0.0147924	0.1853021	0.6574018	6	0.68485607
ENSG00000000457	1	SCYL3	169818772	rs9728301	1	169747038	G	A	0.513917	0.0139685	0.00805945	0.0830635	-0.341309	0.0512436	2.73E-11	-0.0409263	0.0243997	0.09347906	0.3418852	20	0.58914688
ENSG00000120370	1	GORAB	170501270	rs35392130	1	170507904	G	A	0.140159	0.0118426	0.012546	0.345206	-0.673235	0.099096	1.09E-11	-0.0175906	0.0188144	0.3498125	0.4178801	8	0.81376292
ENSG00000271811	1	RP1-79C4.4	170636522	rs659580	1	170633896	C	T	0.78827	0.0157947	0.00922197	0.0867641	0.753398	0.0945297	1.59E-15	0.0209646	0.01252	0.09403304	0.5841359	9	0.58914688
ENSG00000010165	1	METTL13	171750788	rs12730717	1	171756515	T	C	0.197813	-0.0023321	0.0104581	0.823539	-0.501678	0.0636669	3.28E-15	0.00464862	0.0208546	0.8236084	0.05558765	11	0.96886182
ENSG00000197959	1	DNM3	171810621	rs7525313	1	171798354	T	C	0.417495	-0.0023062	0.00812943	0.776651	0.482691	0.0422198	2.87E-30	-0.0047778	0.0168471	0.7767175	0.4185099	20	0.95802127
ENSG00000135845	1	PIGC	172339329	rs9425598	1	172371922	G	A	0.617296	-0.0067704	0.0083059	0.414998	-0.358953	0.0631224	1.30E-08	0.0188615	0.0233758	0.4197339	0.07541229	6	0.84060846
ENSG00000120337	1	TNFSF18	173009100	rs4916313	1	173164787	C	T	0.314115	0.00160069	0.00863183	0.852883	0.526342	0.0949451	2.96E-08	0.00304116	0.0164088	0.8529649	0.1461753	6	0.97754318
ENSG00000226375	1	RP3-395P12.2	173143439	rs10127495	1	173148671	C	A	0.290258	-0.0012922	0.00880262	0.88329	-0.629541	0.0916608	6.50E-12	0.00205265	0.0139858	0.8833159	0.1096777	6	0.98282556
ENSG00000117593	1	DARS2	173793641	rs28804123	1	173804557	C	A	0.277336	0.0150361	0.00945508	0.111776	-0.521044	0.0836291	4.65E-10	-0.0288576	0.0187282	0.1233494	0.7548563	4	0.6305293
ENSG00000152061	1	RABGAP1L	174128548	rs183649493	1	173709098	G	A	0.0357853	0.014938	0.031151	0.631558	0.54434	0.0992354	4.13E-08	0.0274424	0.0574454	0.6328544	0.9503595	16	0.91688388
ENSG00000116183	1	PAPPA2	176432307	rs61821261	1	176724145	C	T	0.0884692	0.00931217	0.0141443	0.510301	-0.413911	0.075688	4.53E-08	-0.022498	0.0344191	0.5133378	0.5012423	4	0.87006491
ENSG00000242193	1	RP11-568K15.1	177975271	rs34322793	1	177982948	C	T	0.28827	-0.0014215	0.00888977	0.872962	-0.417342	0.0614941	1.15E-11	0.00340596	0.0213068	0.8729969	0.3598765	7	0.97882059
ENSG00000213057	1	C1orf220	178511887	rs11806608	1	178511375	C	T	0.356859	-0.0077293	0.00835215	0.354742	-0.595353	0.062038	8.26E-22	0.0129828	0.014094	0.3569686	0.02137317	20	0.81746804
ENSG00000116199	1	FAM20B	178994939	rs6425515	1	179021232	A	G	0.678926	-0.0166899	0.0094279	0.0766832	0.260109	0.0338406	1.51E-14	-0.064165	0.0371949	0.08450869	0.1604576	20	0.56650041
ENSG00000186283	1	TOR3A	179050512	rs10913676	1	179005081	A	G	0.371769	0.00014927	0.00828806	0.985631	0.387247	0.065661	3.69E-09	0.00038546	0.0214026	0.9856308	0.02857828	5	0.9980451
ENSG00000143322	1	ABL2	179068462	rs2816168	1	179204075	T	A	0.50994	0.00482821	0.00806297	0.549298	0.382572	0.0515569	1.17E-13	0.0126204	0.0211442	0.5505925	0.2386157	8	0.88133611
ENSG00000227141	1	RP11-545A16.3	179555840	rs7549026	1	179556848	A	T	0.244533	-0.0128331	0.00891322	0.14993	-0.529459	0.085363	5.56E-10	0.0242381	0.0172822	0.1607685	0.5010712	7	0.65939472
ENSG00000162782	1	TDRD5	179560748	rs1999068	1	179560718	C	T	0.306163	-0.0034053	0.00960829	0.723033	0.99483	0.0770296	3.71E-38	-0.003423	0.00966186	0.7231327	0.00089034	20	0.94070655
ENSG00000116260	1	QSOX1	180123969	rs3767199	1	180124667	T	G	0.345924	-0.0018687	0.00857462	0.827481	0.520063	0.052215	2.28E-23	-0.0035932	0.0164916	0.8275222	0.08180925	20	0.96886182
ENSG00000230124	1	RP5-1180C10.2	180238788	rs7536561	1	180243524	G	A	0.548708	0.0144662	0.00815139	0.0759486	-0.372323	0.0496718	6.60E-14	-0.0388539	0.0224986	0.08417704	0.9036288	20	0.56578194
ENSG00000135828	1	RNASEL	182542769	rs12041623	1	182561633	C	T	0.370775	0.00294684	0.0083106	0.722898	0.840425	0.0639829	2.07E-39	0.00350637	0.00989217	0.7229949	0.3253476	13	0.94070655
ENSG00000135862	1	LAMC1	182992595	rs6672093	1	183079853	C	T	0.559642	-0.005035	0.0081618	0.537304	-0.756376	0.0714725	3.58E-26	0.00665672	0.010809	0.5379933	0.039532	20	0.87610383
ENSG00000058085	1	LAMC2	183155373	rs2276543	1	183155305	A	G	0.293241	0.0117543	0.00840645	0.162039	0.63544	0.0740798	9.67E-18	0.0184979	0.0134039	0.1675765	0.1632	18	0.66515995
ENSG00000157064	1	NMNAT2	183217372	rs9425595	1	183369036	T	C	0.478131	0.0060113	0.00806647	0.456139	-0.172236	0.0312936	3.72E-08	-0.0349015	0.0472612	0.4602215	0.8000144	6	0.8565704
ENSG00000198860	1	TSEN15	184020811	rs12128716	1	183991905	A	G	0.215706	0.00022042	0.00907182	0.980615	0.374154	0.0564365	3.36E-11	0.00058913	0.0242464	0.9806153	0.4935568	9	0.99743376
ENSG00000116406	1	EDEM3	184659365	rs971080	1	184716560	T	G	0.434394	0.011517	0.00811974	0.156076	-0.237707	0.0391186	1.23E-09	-0.0484504	0.0350768	0.1671975	0.1845784	6	0.66475683
ENSG00000157181	1	C1orf27	186344890	rs8824	1	186390303	C	A	0.583499	-0.000723	0.0081602	0.929396	0.350666	0.0564678	5.30E-10	-0.0020619	0.0232729	0.9294028	0.7759629	3	0.99191324
ENSG00000273198	1	GS1-304P7.3	186490905	rs12404135	1	186502694	A	G	0.117296	0.0121252	0.0152228	0.425731	-0.818058	0.108994	6.12E-14	-0.0148219	0.018713	0.428321	0.5676041	20	0.84720094
ENSG00000228238	1	GS1-304P7.2	186547411	rs16825279	1	186354655	C	T	0.146123	-0.0008058	0.0108919	0.941024	-0.426821	0.0767586	2.69E-08	0.00188794	0.0255209	0.9410294	0.3589534	7	0.99338916
ENSG00000233196	1	GS1-304P7.1	186549647	rs75856021	1	186374985	G	T	0.152087	-0.0075852	0.0103924	0.465463	-0.458041	0.0753345	1.20E-09	0.0165601	0.0228517	0.4686504	0.09627128	7	0.85740342
ENSG00000236030	1	LINC01036	187061974	rs2800913	1	187326714	C	A	0.728628	0.0115276	0.00930119	0.215208	0.675935	0.112248	1.73E-09	0.0170543	0.0140489	0.2247766	0.2096568	11	0.7258405
ENSG00000231599	1	LINC01037	187412738	rs1874413	1	187279343	C	T	0.570577	-0.0061213	0.00828513	0.460014	0.572641	0.0972268	3.87E-09	-0.0106895	0.0145817	0.4635099	0.07244269	14	0.85740342
ENSG00000272827	1	RP11-445P19.3	187449425	rs10752998	1	187254498	G	T	0.594433	-0.0081916	0.00821416	0.318643	0.602006	0.0920774	6.23E-11	-0.0136071	0.0138025	0.3242073	0.06655445	14	0.79507147
ENSG00000118197	1	DDX59	200593024	rs12061556	1	200650239	C	G	0.425447	0.0215943	0.00805502	0.00734345	-0.636243	0.0622533	1.61E-24	-0.0339403	0.0130886	0.00951087	0.4862955	18	0.31336148
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.844	0.075394	4.34E-29	0.0229282	0.00977374	0.01898133	0.3786853	20	0.35949739
ENSG00000232237	1	ASCL5	201083081	rs7516023	1	201085521	T	C	0.409543	0.00509992	0.00816634	0.532296	-0.908467	0.0910242	1.86E-23	-0.0056138	0.00900672	0.5330966	0.4549588	20	0.87557054
ENSG00000198892	1	SHISA4	201857808	rs34554059	1	201843806	G	C	0.210736	-0.0144805	0.00935746	0.121748	-0.367353	0.0612563	2.01E-09	0.0394185	0.0263071	0.1340296	0.5157422	5	0.63721248
ENSG00000214796	1	RP11-480I12.5	202820956	rs10920510	1	202830160	G	A	0.563618	-0.0051804	0.00806159	0.52048	0.653672	0.0810039	7.05E-16	-0.0079251	0.0123718	0.5217973	0.7236938	6	0.87239215
ENSG00000159348	1	CYB5R1	202930997	rs2232853	1	202931958	A	G	0.285288	0.00708648	0.00935902	0.448942	0.364042	0.0575265	2.48E-10	0.0194661	0.025892	0.4521597	0.9299583	3	0.85417294
ENSG00000163444	1	TMEM183A	202976514	rs1690820	1	202994633	G	C	0.512922	0.00806549	0.00820009	0.325319	-0.270452	0.0379967	1.10E-12	-0.0298223	0.0306081	0.3298943	0.8788907	3	0.79886945
ENSG00000143847	1	PPFIA4	202995626	rs782802	1	203005821	T	C	0.379722	0.00398173	0.00844736	0.637385	-0.350769	0.0417991	4.79E-17	-0.0113514	0.0241204	0.6379149	0.6480095	5	0.91799509
ENSG00000233791	1	RP11-134P9.1	203267886	rs116418401	1	203289073	A	G	0.0228628	-0.0306884	0.0373616	0.411424	2.39593	0.409425	4.86E-09	-0.0128086	0.0157466	0.4159801	0.5334291	3	0.83806414
ENSG00000058668	1	ATP2B4	203595689	rs1891173	1	203457476	T	C	0.369781	0.0105874	0.0084681	0.211201	-0.432562	0.0738132	4.62E-09	-0.024476	0.0200172	0.2214241	0.9340509	5	0.72284625
ENSG00000182004	1	SNRPE	203830731	rs35713483	1	203846820	A	G	0.109344	0.0163566	0.0106048	0.122982	0.847811	0.0956211	7.56E-19	0.0192927	0.0126963	0.1286225	0.7501009	11	0.63721248
ENSG00000170498	1	KISS1	204159469	rs10159082	1	204160450	C	A	0.409543	0.0001259	0.00830638	0.987907	-0.420537	0.0740945	1.38E-08	-0.0002994	0.0197519	0.987907	0.5900069	6	0.9989377
ENSG00000184144	1	CNTN2	205012325	rs4951149	1	204939336	A	T	0.295229	-0.0163863	0.00946156	0.0832952	-0.380426	0.0557674	9.00E-12	0.0430736	0.02566	0.09322455	0.3108365	17	0.58914688
ENSG00000174529	1	TMEM81	205052258	rs2197909	1	205055162	C	T	0.849901	-0.0095653	0.0127036	0.451475	-0.399108	0.0646933	6.86E-10	0.0239667	0.0320662	0.454814	0.1438104	17	0.85417294
ENSG00000133069	1	TMCC2	205197304	rs1768584	1	205240145	G	A	0.370775	0.00708168	0.00813223	0.383855	-0.285818	0.0383163	8.69E-14	-0.0247769	0.0286457	0.3870703	0.07283835	16	0.82295689
ENSG00000162873	1	KLHDC8A	205305220	rs7549293	1	205312280	G	C	0.54672	0.00466304	0.00844614	0.580885	-0.674269	0.071435	3.77E-21	-0.0069157	0.0125478	0.5815314	0.6972622	18	0.89290364
ENSG00000117280	1	RAB7L1	205737114	rs708723	1	205739266	T	C	0.531809	0.0131844	0.008157	0.106022	0.401055	0.053183	4.66E-14	0.0328743	0.0208008	0.1140075	0.4725831	20	0.61794187
ENSG00000133065	1	SLC41A1	205758221	rs823154	1	205762406	T	C	0.383698	0.0141755	0.00810826	0.0804155	0.305537	0.0510791	2.21E-09	0.0463954	0.027648	0.09333275	0.645988	12	0.58914688
ENSG00000261000	1	RP11-534L20.5	206677281	rs2309834	1	206671615	C	T	0.489066	0.0068971	0.00815312	0.397583	0.534591	0.0800149	2.37E-11	0.0129016	0.0153729	0.4013316	0.7512254	9	0.82982469
ENSG00000196352	1	CD55	207494853	rs2564975	1	207483957	C	T	0.744533	0.0057177	0.00925825	0.536853	-0.428834	0.0736604	5.82E-09	-0.0133331	0.0217105	0.5391274	0.7794614	5	0.87676048
ENSG00000117335	1	CD46	207925402	rs2724360	1	207943158	T	C	0.793241	-0.0067889	0.0096564	0.482024	0.810536	0.0642412	1.70E-36	-0.0083759	0.0119321	0.4827029	0.3049809	20	0.86066122
ENSG00000008118	1	CAMK1G	209757062	rs35772315	1	209760981	G	T	0.388668	-0.0153695	0.0083711	0.0663544	0.467667	0.0848262	3.52E-08	-0.0328642	0.0188662	0.08151469	0.2167366	6	0.55874
ENSG00000227591	1	RP1-28O10.1	209834709	rs932374	1	209848432	A	G	0.735586	0.00480209	0.009093	0.597424	-0.68626	0.097441	1.88E-12	-0.0069975	0.0132873	0.5984506	0.759596	6	0.89978219
ENSG00000123689	1	G0S2	209848765	rs58635984	1	209841781	G	A	0.21173	-0.0061248	0.0102665	0.550787	0.51678	0.0741912	3.27E-12	-0.0118519	0.019939	0.5522407	0.3936573	8	0.88133611
ENSG00000117595	1	IRF6	209959036	rs1005287	1	209980757	A	G	0.373757	-0.0021843	0.00818486	0.789567	-0.946509	0.0734642	5.54E-38	0.00230776	0.00864927	0.7896108	0.4377762	20	0.96012471
ENSG00000203705	1	TATDN3	212965170	rs61736926	1	212965284	G	C	0.154076	-0.0103528	0.0126628	0.413599	-0.572369	0.0678718	3.37E-17	0.0180876	0.0222272	0.4157821	0.0938704	16	0.83806414
ENSG00000198468	1	FLVCR1-AS1	213025450	rs11120060	1	213062180	A	G	0.563618	0.00589961	0.00824684	0.474375	1.05917	0.0881381	2.89E-33	0.00557003	0.00779992	0.4751567	0.447936	20	0.85740342
ENSG00000162769	1	FLVCR1	213031597	rs41300993	1	213062813	G	A	0.187873	0.00335716	0.0114612	0.769587	0.56172	0.067654	1.02E-16	0.00597657	0.0204165	0.7697262	0.8180291	10	0.95547643
ENSG00000174606	1	ANGEL2	213165524	rs3104207	1	213192458	G	A	0.352883	-0.0011145	0.00845384	0.895121	0.327552	0.0446787	2.28E-13	-0.0034024	0.0258133	0.8951375	0.7567271	15	0.98597578
ENSG00000230461	1	PROX1-AS1	213991094	rs340838	1	214162573	T	A	0.527833	-0.0114698	0.00809161	0.156338	0.463465	0.0633077	2.46E-13	-0.0247479	0.0177832	0.1640296	0.06614766	19	0.66127026
ENSG00000143499	1	SMYD2	214454445	rs1223797	1	214380256	T	C	0.256461	-0.0160842	0.00870881	0.0647635	-0.430937	0.0730797	3.71E-09	0.0373238	0.021177	0.07799063	0.4166799	9	0.54909325
ENSG00000117791	1	2-Mar	220921567	rs189231	1	220918953	C	T	0.245527	0.0064732	0.0094276	0.492321	0.476657	0.076976	5.93E-10	0.0135804	0.0198998	0.494961	0.9670974	13	0.86367134
ENSG00000136630	1	HLX	221051699	rs7514450	1	220991171	T	C	0.398608	0.00543863	0.00810426	0.502168	0.477627	0.0756042	2.66E-10	0.0113868	0.0170632	0.5045624	0.6313616	15	0.86796708
ENSG00000272750	1	RP11-378J18.8	222832209	rs1133220	1	222834803	C	T	0.737575	0.00500259	0.00924823	0.58856	-0.869176	0.0749837	4.55E-31	-0.0057556	0.0106518	0.5889653	0.2950527	20	0.89548788
ENSG00000186063	1	AIDA	222841355	rs17163358	1	222820639	A	G	0.737575	0.00355059	0.00918958	0.699222	0.331767	0.0437383	3.32E-14	0.0107021	0.0277348	0.6995922	0.551191	18	0.93735232
ENSG00000162819	1	BROX	222885895	rs2936024	1	222831382	G	A	0.977137	0.0229738	0.025596	0.369423	-0.61373	0.103613	3.16E-09	-0.0374331	0.0421817	0.3748507	0.4027167	4	0.82033551
ENSG00000154309	1	DISP1	222988406	rs142116613	1	223113284	A	G	0.0735586	0.00319825	0.0146709	0.82743	1.16479	0.136744	1.62E-17	0.00274577	0.0125994	0.827485	0.1374504	6	0.96886182
ENSG00000203697	1	CAPN8	223711349	rs12132879	1	223900795	T	C	0.0924453	0.00611804	0.0207217	0.767805	1.77946	0.187723	2.56E-21	0.00343814	0.0116506	0.7679138	0.6193104	19	0.95514229
ENSG00000272645	1	RP11-504P24.8	224139096	rs9729183	1	224144358	C	T	0.579523	0.0114663	0.00818351	0.161169	0.651187	0.0658572	4.70E-23	0.0176083	0.0126926	0.165354	0.2132108	20	0.66312611
ENSG00000185495	1	RP11-504P24.4	224183659	rs10799372	1	224146406	T	C	0.586481	0.0112441	0.00816275	0.168361	-0.481103	0.061938	8.01E-15	-0.0233715	0.0172315	0.1749954	0.1483265	16	0.67151653
ENSG00000243709	1	LEFTY1	226073982	rs72470466	1	226128124	A	G	0.119284	-0.0044742	0.0121678	0.713093	-0.898998	0.140492	1.56E-10	0.00497682	0.0135572	0.7135455	0.4093351	6	0.93968224
ENSG00000163041	1	H3F3A	226249552	rs6692329	1	226278185	A	G	0.718688	-0.0073238	0.00897563	0.414519	-0.936416	0.0899746	2.29E-25	0.00782112	0.0096145	0.4159481	0.2963636	20	0.83806414
ENSG00000185155	1	MIXL1	226411319	rs6605032	1	226423572	T	C	0.67992	-0.0033005	0.00941672	0.725967	0.494466	0.0700545	1.69E-12	-0.0066749	0.0190677	0.7262904	0.2152251	13	0.94070655
ENSG00000143799	1	PARP1	226548392	rs3754376	1	226561064	A	C	0.67495	-0.0186889	0.0082349	0.0232397	0.291326	0.04582	2.04E-10	-0.0641512	0.0300137	0.032566	0.2362351	9	0.42178047
ENSG00000163050	1	ADCK3	227085237	rs17600947	1	227209422	C	T	0.222664	0.00763131	0.0105246	0.468396	0.363169	0.0503914	5.72E-13	0.0210131	0.0291262	0.4706324	0.03172804	20	0.85740342
ENSG00000143776	1	CDC42BPA	227177566	rs72632825	1	227508118	C	T	0.149105	-0.0043452	0.00964533	0.652349	0.541827	0.0866672	4.06E-10	-0.0080196	0.0178477	0.6531894	0.654776	13	0.92291695
ENSG00000162910	1	MRPL55	228294380	rs822739	1	228288218	T	A	0.688867	0.00831528	0.0091984	0.366	0.289048	0.0507423	1.22E-08	0.0287678	0.0322213	0.3719539	0.1954243	6	0.81938405
ENSG00000162913	1	C1orf145	228391207	rs11799681	1	228399123	C	A	0.639165	-0.0016215	0.00853472	0.849316	0.491222	0.0704377	3.08E-12	-0.003301	0.0173809	0.8493705	0.06513852	20	0.97747911
ENSG00000154370	1	TRIM11	228581374	rs116954035	1	228615129	A	T	0.0139165	0.151566	0.0486187	0.00182423	-1.68972	0.279498	1.49E-09	-0.0896989	0.0323734	0.00559265	0.03006586	12	0.26570111
ENSG00000231563	1	RP11-245P10.4	228595082	rs11585491	1	228446993	G	A	0.0337972	0.0392529	0.0170299	0.0211695	-1.57354	0.276371	1.24E-08	-0.0249456	0.0116759	0.03263823	0.01510904	8	0.42178047
ENSG00000162931	1	TRIM17	228595641	rs60640636	1	228602564	T	C	0.0149105	0.150931	0.048603	0.00190029	-1.01385	0.173038	4.65E-09	-0.148869	0.0542561	0.00607283	0.02256781	9	0.26570111
ENSG00000143641	1	GALNT2	230193536	rs11807834	1	230272624	A	G	0.265408	0.0183183	0.00881958	0.0378007	0.552396	0.061165	1.70E-19	0.0331615	0.0163828	0.04295332	0.03294455	12	0.45993902
ENSG00000177614	1	PGBD5	230457392	rs7549147	1	230524296	A	G	0.395626	0.00839715	0.00847369	0.321701	-0.467643	0.057276	3.22E-16	-0.0179563	0.018253	0.3252394	0.2343923	14	0.79550306
ENSG00000135744	1	AGT	230838269	rs2493134	1	230849359	C	T	0.410537	-0.0011307	0.00812826	0.88937	-0.791565	0.063696	1.86E-35	0.00142837	0.0102692	0.8893771	0.8781851	20	0.98513513
ENSG00000135773	1	CAPN9	230883130	rs7514889	1	230901708	T	C	0.33996	-0.0036034	0.00869909	0.678705	0.539714	0.088081	8.93E-10	-0.0066766	0.0161548	0.6793961	0.8018391	12	0.9275455
ENSG00000143643	1	TTC13	231041989	rs10864653	1	231142714	A	G	0.346918	-0.0006952	0.00911386	0.939199	-0.272952	0.0467198	5.15E-09	0.00254689	0.0333928	0.9392039	0.7183933	5	0.99333365
ENSG00000173409	1	ARV1	231114727	rs7417590	1	231115211	A	G	0.105368	0.00022574	0.0191924	0.990615	-0.564472	0.0826315	8.42E-12	-0.0003999	0.0340007	0.9906155	0.5690651	10	0.9989377
ENSG00000182118	1	FAM89A	231154704	rs11122198	1	231171139	A	G	0.32008	-0.0016927	0.00891969	0.849492	0.370282	0.0528502	2.45E-12	-0.0045713	0.0240977	0.8495465	0.00687738	8	0.97747911
ENSG00000143633	1	C1orf131	231359509	rs566796	1	231361505	T	G	0.303181	-0.0064611	0.00846474	0.445291	0.319128	0.0584823	4.85E-08	-0.020246	0.0267828	0.4496909	0.9540427	9	0.85417294
ENSG00000116906	1	GNPAT	231376953	rs1298555	1	231392194	T	C	0.521869	0.0062262	0.00810595	0.442426	-0.414697	0.0464641	4.45E-19	-0.0150139	0.0196189	0.4441086	0.9797833	4	0.85417294

ENSG00000135778	1	NTPCR	233086351	rs12725558	1	233091463	A	T	0.16004	0.00406713	0.0107642	0.705552	0.888127	0.0764346	3.28E-31	0.00457945	0.0121265	0.7056988	0.4676366	12	0.93847294
ENSG00000135749	1	PCNXL2	233119181	rs76872762	1	233409431	G	A	0.145129	-0.0011002	0.0117384	0.925326	-0.376626	0.0660428	1.18E-08	0.0029212	0.0311715	0.9253364	0.4913496	6	0.99141781
ENSG00000273367	1	RP5-827C21.6	234507932	rs10910416	1	234459353	T	C	0.0685885	0.0145518	0.0141329	0.303178	-0.457613	0.0687518	2.81E-11	-0.0317994	0.0312513	0.3088979	0.7304257	7	0.78078678
ENSG00000231663	1	RP5-827C21.4	234508553	rs76969642	1	234513318	T	C	0.0914513	0.00181006	0.0174082	0.917187	1.07645	0.0834974	4.99E-38	0.00168151	0.0161724	0.9171899	0.7663018	13	0.98780912
ENSG00000224939	1	LINC00184	234765057	rs6696170	1	234772346	T	C	0.205765	-0.0173101	0.0105865	0.102027	1.10913	0.0960427	7.53E-31	-0.0156069	0.00964007	0.1054552	0.0601378	20	0.60570888
ENSG00000230026	1	RP11-382D8.5	235524468	rs2993738	1	235509710	G	A	0.354871	0.00249621	0.00833731	0.764633	-0.574699	0.0947339	1.31E-09	-0.0043435	0.0145249	0.7649108	0.9668545	8	0.95514229
ENSG00000077585	1	GPR137B	236305832	rs1111667	1	236378916	C	T	0.136183	0.00644584	0.0107865	0.550119	0.383169	0.0596299	1.31E-10	0.0168224	0.0282722	0.5518324	0.1422529	5	0.88133611
ENSG00000086619	1	ERO1LB	236378855	rs1726670	1	236427399	G	A	0.276342	-0.0138285	0.00835564	0.0979264	0.262083	0.0397964	4.53E-11	-0.0527638	0.032873	0.1084757	0.8712261	20	0.60962213
ENSG00000119285	1	HEATR1	236712305	rs2758172	1	236729867	T	C	0.636183	0.0217008	0.00901064	0.0160247	0.432448	0.0498769	4.31E-18	0.0501813	0.0216252	0.02031409	0.2706333	20	0.36184921
ENSG00000077522	1	ACTN2	236849754	rs10802561	1	236921400	C	A	0.656064	0.0222434	0.00839301	0.00804359	0.39208	0.0716802	4.50E-08	0.0567318	0.0237867	0.01707795	0.9093487	4	0.35094177
ENSG00000225554	1	RP11-527D7.1	241587592	rs1113484	1	241619483	T	G	0.722664	-0.0040609	0.00982521	0.679377	0.35756	0.0652858	4.33E-08	-0.0113572	0.0275566	0.6802365	0.9171959	6	0.9275455
ENSG00000180287	1	PLD5	242246288	rs6429339	1	242375779	A	G	0.772366	1.95E-05	0.0106773	0.998544	-0.571962	0.073312	6.11E-15	-3.41E-05	0.0186678	0.9985437	0.1303725	20	0.99973362
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	0.640665	0.102526	4.14E-10	0.0101602	0.0130146	0.4349945	0.6771994	12	0.85004605
ENSG00000224525	1	RP11-561I11.3	242366857	rs2840605	1	242313559	C	T	0.408549	0.00647754	0.00827099	0.433531	0.606625	0.0992275	9.75E-10	0.010678	0.0137459	0.4372675	0.6490527	12	0.85238417
ENSG00000054282	1	SDCCAG8	243419320	rs3904682	1	243419429	A	T	0.520875	-0.0025634	0.00807566	0.750919	-0.567276	0.0795982	1.03E-12	0.00451886	0.01425	0.7511575	0.1694304	20	0.95164236
ENSG00000201758	1	RN7SKP55	245107212	rs10927367	1	245172024	A	G	0.584493	0.0268396	0.00866789	0.00195862	0.600913	0.0728714	1.63E-16	0.0446647	0.0154079	0.0037458	0.2350075	20	0.23603216
ENSG00000272195	1	RP11-156E8.1	245132652	rs2291426	1	245134114	C	A	0.582505	0.0265544	0.0086617	0.0021714	0.412118	0.0665118	5.79E-10	0.064434	0.0234494	0.00599995	0.1532745	13	0.26570111
ENSG00000203666	1	EFCAB2	245133007	rs7556209	1	245141133	A	C	0.688867	0.0232842	0.0103353	0.0242672	0.548701	0.0848713	1.01E-10	0.0424351	0.0199468	0.03338567	0.6062156	8	0.42178047
ENSG00000162852	1	CNST	246729746	rs3007305	1	246862572	G	C	0.319085	0.00634569	0.00901592	0.481537	0.30792	0.0467801	4.63E-11	0.0206082	0.029447	0.4840259	0.5389608	18	0.86066122
ENSG00000143653	1	SCCPDH	246887349	rs142557535	1	246934045	C	T	0.027833	0.0302851	0.0347165	0.383015	-0.846803	0.151996	2.53E-08	-0.035764	0.0414967	0.3887683	0.1998662	7	0.82295689
ENSG00000223519	1	RP11-439E19.8	246935139	rs61852517	1	246947837	G	C	0.0427435	0.0223462	0.0190648	0.241149	-1.06217	0.171306	5.63E-10	-0.0210383	0.0182668	0.2494361	0.1374338	7	0.74270962
ENSG00000260855	1	RP11-439E19.10	246935603	rs61852483	1	246908816	C	A	0.0427435	0.0218875	0.0190668	0.250993	-0.92722	0.126566	2.37E-13	-0.0236055	0.0208143	0.2567528	0.5287471	9	0.74586579
ENSG00000227953	1	RP11-439E19.3	246939315	rs34989088	1	246950717	C	G	0.422465	0.014192	0.0084063	0.0913608	-0.598936	0.0813635	1.82E-13	-0.0236954	0.0143998	0.0998594	0.2247161	20	0.5994087
ENSG00000188295	1	ZNF669	247263264	rs2270616	1	247267668	T	G	0.388668	-0.0017997	0.00825834	0.827489	0.374486	0.0613588	1.04E-09	-0.0048057	0.0220665	0.8275975	0.2020485	20	0.96886182
ENSG00000221953	1	C1orf229	247273462	rs6696117	1	247273748	T	C	0.364811	0.00668193	0.00866841	0.440803	-0.68598	0.0625785	5.83E-28	-0.0097407	0.0126677	0.4419301	0.6018983	20	0.85417294
ENSG00000196418	1	ZNF124	247285277	rs10159377	1	247289430	T	C	0.276342	0.00985563	0.00936702	0.292725	-0.970092	0.0817995	1.92E-32	-0.0101595	0.00969373	0.2946173	0.9457315	20	0.77761764
ENSG00000215795	1	RP11-488L18.3	247347115	rs11588486	1	247362282	T	C	0.147117	-0.0180787	0.0151938	0.234094	1.12105	0.134339	7.13E-17	-0.0161266	0.0136903	0.2388129	0.00494179	6	0.73316433
ENSG00000259865	1	RP11-488L18.10	247350583	rs78663796	1	247360538	G	A	0.0397614	-0.0176401	0.0292731	0.546773	0.966944	0.160948	1.88E-09	-0.0182431	0.0304257	0.5487757	0.0548799	8	0.88133611
ENSG00000162714	1	ZNF496	247460714	rs9725334	1	247462273	G	A	0.66501	0.0101943	0.00828315	0.218423	-0.633697	0.0611561	3.69E-25	-0.016087	0.013163	0.2216558	0.4593229	14	0.72284625
ENSG00000226191	1	RP11-438H8.8	248099363	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.668175	0.0913484	2.58E-13	-0.0060501	0.01277	0.635658	0.3425292	9	0.91732007
ENSG00000196071	1	OR2L13	248100493	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.855902	0.093573	5.86E-20	-0.0047232	0.00996156	0.6354022	0.2150016	13	0.91732007
ENSG00000203663	1	OR2L2	248201474	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.664419	0.0933498	1.10E-12	-0.0060843	0.0128437	0.6356978	0.7607848	8	0.91732007
ENSG00000198128	1	OR2L3	248223984	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.808142	0.0908614	5.88E-19	-0.0050023	0.0105511	0.6354284	0.5875825	12	0.91732007
ENSG00000235779	2	AC079779.5	305111	rs6759713	2	301751	G	A	0.384692	-0.0007422	0.008221	0.928064	-0.494049	0.073755	2.11E-11	0.00150227	0.0166416	0.9280707	0.3880099	13	0.99191324
ENSG00000237667	2	AC113607.1	779837	rs6760626	2	868162	C	A	0.455268	-0.0034471	0.00818039	0.673473	0.7413	0.103559	8.17E-13	-0.0046501	0.0110543	0.6740043	0.5216025	4	0.92494762
ENSG00000228799	2	AC113607.2	895902	rs4550698	2	868834	G	A	0.455268	-0.0035288	0.00818113	0.66623	0.624903	0.103093	1.35E-09	-0.0056469	0.0131249	0.667021	0.2384759	4	0.92466627
ENSG00000235688	2	AC116614.1	945320	rs5013909	2	831894	G	A	0.205765	-0.0139136	0.00954668	0.144998	0.805703	0.1008	1.32E-15	-0.0172689	0.0120442	0.1516326	0.3915246	20	0.6516889
ENSG00000172554	2	SNTG2	946554	rs12619736	2	856105	T	C	0.196819	-0.0133889	0.00949754	0.158623	0.702488	0.106747	4.68E-11	-0.0190593	0.0138266	0.1680643	0.8465099	12	0.66604728
ENSG00000171853	2	TRAPPC12	3383446	rs13011528	2	3486594	A	G	0.134195	0.00198803	0.0156513	0.898924	0.444114	0.0724943	9.00E-10	0.0044764	0.0352492	0.8989461	0.5032727	14	0.98619963
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs11127430	2	3485242	C	G	0.419483	-0.0085393	0.00822182	0.298985	-0.719685	0.068883	1.50E-25	0.0118653	0.0114805	0.3013611	0.9934715	20	0.77863838
ENSG00000271868	2	RP11-1293J14.1	3500727	rs13011528	2	3486594	A	G	0.134195	0.00198803	0.0156513	0.898924	-1.01633	0.117419	4.90E-18	-0.0019561	0.0154015	0.8989353	0.5589556	19	0.98619963
ENSG00000234171	2	AC108488.3	3606082	rs12629	2	3609064	A	G	0.295229	0.0086602	0.00838912	0.301926	-1.21031	0.083984	4.40E-47	-0.0071554	0.00694914	0.3031626	0.4977349	13	0.77894167
ENSG00000118004	2	COLEC11	3642426	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.35012	0.132012	1.50E-24	-0.0087455	0.00973292	0.3688924	0.7285256	13	0.81816933
ENSG00000237370	2	AC010907.2	3650987	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.60163	0.129579	4.29E-35	-0.0073722	0.00819453	0.3683088	0.3371126	11	0.81816933
ENSG00000151360	2	ALLC	3705785	rs9808287	2	3624799	A	G	0.110338	-0.0119715	0.0130822	0.360141	1.3883	0.14414	5.88E-22	-0.0086231	0.00946562	0.3622975	0.3643089	9	0.81796267
ENSG00000151692	2	RNF144A	7057523	rs6709878	2	7164483	T	C	0.243539	-0.0087232	0.00848413	0.303866	-0.451645	0.0520008	3.78E-18	0.0193143	0.0189161	0.3072318	0.1726071	20	0.77926177
ENSG00000236790	2	LINC00299	8147901	rs13003069	2	8594209	A	C	0.312127	0.00635865	0.00843723	0.451064	-0.421895	0.0718735	4.36E-09	-0.0150716	0.0201626	0.4547581	0.2231271	4	0.85417294
ENSG00000134313	2	KIDINS220	8865408	rs436385	2	8556513	C	T	0.11332	-0.0128299	0.0107522	0.232776	-0.303817	0.0556176	4.69E-08	0.042229	0.0362249	0.2437166	0.129668	3	0.73716233
ENSG00000151694	2	ADAM17	9628615	rs4278906	2	9661589	T	C	0.664016	0.00972607	0.0081144	0.230677	0.40377	0.0582628	4.20E-12	0.0240881	0.020395	0.2375697	0.5643417	13	0.73239475
ENSG00000271855	2	RP11-214N9.1	9696028	rs4278906	2	9661589	T	C	0.664016	0.00972607	0.0081144	0.230677	0.414255	0.0657008	2.88E-10	0.0234785	0.0199387	0.2389839	0.6261725	3	0.73324275
ENSG00000115750	2	TAF1B	9983483	rs12995394	2	10056518	A	G	0.65507	-0.0024546	0.00825186	0.766119	-0.637338	0.0755406	3.26E-17	0.00385128	0.0129554	0.766259	0.8778298	11	0.95514229
ENSG00000269973	2	RP11-95D17.1	10076489	rs1965411	2	10040672	T	A	0.277336	0.00438249	0.0088212	0.619321	0.619543	0.0709349	2.46E-18	0.00707375	0.0142613	0.6198863	0.8495926	13	0.91031887
ENSG00000134317	2	GRHL1	10085341	rs72784463	2	10132917	G	A	0.177932	-0.0112011	0.0123343	0.363811	0.571478	0.0958938	2.53E-09	-0.0196002	0.0218323	0.3693121	0.1937698	7	0.81816933
ENSG00000134324	2	LPIN1	11817721	rs3795974	2	11924950	C	T	0.596421	0.0121625	0.00833667	0.144589	0.981199	0.056338	6.21E-68	0.0123955	0.00852617	0.1459951	0.3075234	20	0.64444947
ENSG00000151779	2	NBAS	15307032	rs3805106	2	15535863	G	C	0.693837	0.0076329	0.00814212	0.348523	-0.534413	0.0728477	2.20E-13	-0.0142828	0.0153595	0.3524245	0.6681413	7	0.81456759
ENSG00000163029	2	SMC6	17845079	rs2052745	2	17953648	T	A	0.326044	-0.0063195	0.00911515	0.488123	0.309866	0.0557197	2.68E-08	-0.0203943	0.0296441	0.4914705	0.08211743	9	0.86252211
ENSG00000178295	2	GEN1	17935125	rs12465611	2	17932833	T	G	0.475149	0.00640314	0.00804858	0.426287	0.306987	0.0536552	1.06E-08	0.020858	0.0264702	0.4307082	0.3626881	8	0.84751306
ENSG00000183891	2	TTC32	20096404	rs2304588	2	20101717	G	A	0.111332	-0.0305858	0.0150852	0.0426079	0.739773	0.0934341	2.42E-15	-0.0413448	0.0210497	0.0495118	0.7300302	12	0.48387846
ENSG00000143869	2	GDF7	20866424	rs34006806	2	21116850	A	G	0.162028	-0.0178338	0.0121019	0.140579	0.727491	0.108397	1.93E-11	-0.0245141	0.0170314	0.150052	0.6127124	5	0.64835856
ENSG00000118961	2	C2orf43	20883788	rs10182643	2	20884586	C	G	0.246521	0.00474416	0.00930063	0.609988	-0.515386	0.0732488	1.98E-12	-0.0092051	0.0180933	0.610924	0.5419824	14	0.90551834
ENSG00000219626	2	FAM228B	24299396	rs7577426	2	24313687	T	G	0.139165	0.0327723	0.0101483	0.00124068	-0.838739	0.0963464	3.16E-18	-0.0390733	0.0129051	0.00246397	0.06460668	18	0.20701488
ENSG00000232642	2	AC008073.7	24388753	rs6723257	2	24391129	G	A	0.620278	0.0047045	0.00868827	0.588178	-0.586899	0.101587	7.59E-09	-0.0080159	0.0148686	0.5898079	0.02255141	13	0.89548788
ENSG00000224165	2	DNAJC27-AS1	25194259	rs10865322	2	25159858	G	A	0.449304	-0.0033153	0.00829542	0.689411	-0.376905	0.0561896	1.98E-11	0.00879612	0.0220483	0.6899324	0.5792096	14	0.93198284
ENSG00000217643	2	PTGES3P2	26045338	rs6741640	2	26068509	T	C	0.307157	0.0110747	0.00959857	0.248587	-0.642128	0.0933293	5.98E-12	-0.0172469	0.0151568	0.2551633	0.3830368	7	0.74586579
ENSG00000115155	2	OTOF	26680071	rs7594482	2	26729808	A	C	0.592445	-0.0079198	0.00854937	0.35426	0.54477	0.076575	1.13E-12	-0.0145378	0.015826	0.358303	0.3973532	20	0.81746804
ENSG00000157851	2	DPYSL5	27070615	rs12475388	2	27039792	A	G	0.472167	-0.0047253	0.00810258	0.559773	-0.314023	0.0533343	3.91E-09	0.0150475	0.0259288	0.5616863	0.05971888	15	0.88385716
ENSG00000138085	2	ATRAID	27434895	rs2580759	2	27432500	G	T	0.223658	0.0156399	0.00998379	0.117226	0.357089	0.0570805	3.95E-10	0.0437983	0.0288221	0.1286089	0.04393532	14	0.63721248
ENSG00000234072	2	AC074117.10	27579113	rs2280737	2	27589810	C	T	0.368787	0.0232988	0.00813956	0.00420417	1.02493	0.0804675	3.67E-37	0.0227321	0.00813964	0.00522601	0.4003505	20	0.26570111
ENSG00000198522	2	GPN1	27851114	rs4522560	2	27935903	C	T	0.505964	0.0215827	0.00807855	0.00754884	-0.317552	0.0540618	4.26E-09	-0.0679659	0.0279479	0.01502066	0.03128856	9	0.34725322
ENSG00000171103	2	TRMT61B	29072687	rs6547880	2	29018889	C	T	0.588469	0.0119971	0.00815417	0.141214	-0.309924	0.0528688	4.57E-09	-0.0387098	0.0271262	0.1535726	0.7234579	10	0.65219838
ENSG00000018699	2	TTC27	32853099	rs111896629	2	32903548	A	G	0.120278	0.00637116	0.0138566	0.645666	-0.612128	0.106565	9.24E-09	-0.0104082	0.0227092	0.6467179	0.09770118	8	0.92223619
ENSG00000152689	2	RASGRP3	33661391	rs12476217	2	33761595	A	G	0.105368	-0.0066385	0.0144861	0.64676	0.518482	0.0855931	1.38E-09	-0.0128037	0.0280193	0.6476995	0.3102243	3	0.92239093
ENSG00000260025	2	RP11-490M8.1	36581892	rs12105545	2	36814201	A	G	0.389662	-0.0040176	0.00827374	0.627266	0.700179	0.0856608	2.99E-16	-0.0057379	0.0118374	0.6278722	0.5463146	20	0.91458451
ENSG00000150938	2	CRIM1	36583069	rs848613	2	36814848	C	G	0.400596	-0.0022656	0.00821817	0.782793	0.401192	0.0532861	5.11E-14	-0.0056472	0.0204981	0.7829352	0.6484932	19	0.95999897
ENSG00000171055	2	FEZ2	36778570	rs14291	2	36810586	C	T	0.411531	0.00317688	0.00819493	0.698265	0.842955	0.0695592	8.43E-34	0.00376874	0.00972664	0.6984113	0.1592696	20	0.93660318
ENSG00000218739	2	AC007390.5	37423631	rs2251879	2	37485215	T	A	0.564612	-0.0038262	0.00811246	0.63718	-0.45039	0.0647636	3.54E-12	0.00849533	0.0180535	0.6379513	0.470616	20	0.91799509
ENSG00000003509	2	NDUFAF7	37458774	rs7560904	2	37465309	G	A	0.499006	-0.0004798	0.00812428	0.952907	0.439627	0.0586935	6.88E-14	-0.0010914	0.0184805	0.952908	0.6325188	20	0.9942403
ENSG00000115825	2	PRKD3	37477645	rs2192939	2	37484726	A	G	0.600398	-0.0035485	0.00817678	0.664312	-0.208992	0.0369067	1.49E-08	0.016979	0.0392396	0.6652325	0.2276267	8	0.92466627
ENSG00000115841	2	RMDN2	38150330	rs6738875	2	38153486	A	T	0.229622	-0.0134827	0.00931301	0.147693	0.539302	0.0801901	1.75E-11	-0.0250003	0.0176642	0.1569786	0.695389	5	0.6570401
ENSG00000231312	2	AC007246.3	39663778	rs12475209	2	39742085	T	G	0.369781	-0.0036746	0.00821095	0.654499	-0.402458	0.0572209	2.02E-12	0.00913032	0.0204433	0.6551512	0.2577707	20	0.92318646
ENSG00000162878	2	PKDCC	42275160	rs72794538	2	42281656	T	G	0.202783	0.00961055	0.00958004	0.315772	0.840111	0.117222	7.68E-13	0.0114396	0.0115145	0.3204669	0.335125	20	0.79066347
ENSG00000152527	2	PLEKHH2	43864412	rs112505066	2	43938758	T	C	0.208748	0.00209068	0.00949771	0.825774	-0.380292	0.058818	1.01E-10	-0.0054976	0.0249893	0.8258734	0.7940792	6	0.96886182
ENSG00000138036	2	DYNC2LI1	44001178	rs75838451	2	43909853	G	A	0.0168986	0.0447583	0.028649	0.118217	-1.51706	0.203079	8.00E-14	-0.0295033	0.0192931	0.1262112	0.6859722	15	0.63619479
ENSG00000138095	2	LRPPRC	44113647	rs28394191	2	44172444	C	A	0.412525	-0.0034776	0.00814369	0.669362	0.308856	0.0311431	3.50E-23	-0.0112595	0.0263917	0.6696499	0.4073783	20	0.92466627
ENSG00000138079	2	SLC3A1	44502599	rs4953085	2	44554724	G	A	0.789264	0.00885574	0.00880115	0.314319	0.428647	0.0756943	1.49E-08	0.0206597	0.020854	0.3218393	0.8535396	5	0.79179693
ENSG00000138078	2	PREPL	44543420	rs12474294	2	44550671	C	A	0.12326	-0.0145066	0.013514	0.283071	-0.361783	0.0554798	6.98E-11	0.0400975	0.0378566	0.2895111	0.5664074	13	0.77325335
ENSG00000259439	2	RP11-89K21.1	45147332	rs1561227	2	45165389	T	C	0.539761	-0.0027216	0.00852956	0.749665	0.546713	0.0887218	7.18E-10	-0.0049782	0.0156224	0.7499889	0.7304728	10	0.951118
ENSG00000119878	2	CRIPT	46843555	rs35909669	2	46867794	G	T	0.315109	0.00279924	0.00907024	0.757612	0.501267	0.0629028	1.60E-15	0.00558433	0.0181082	0.757788	0.9009083	20	0.95333399
ENSG00000180398	2	MCFD2	47129009	rs7601491	2	47150626	G	A	0.181909	-0.0184441	0.0118415	0.119331	-0.763343	0.0557842	1.27E-42	0.0241623	0.0156129	0.1217215	0.6820252	20	0.62876403
ENSG00000119888	2	EPCAM	47572297	rs112628241	2	47591769	G	C	0.0775348	-0.0021025	0.0134413	0.875704	1.42662	0.158676	2.45E-19	-0.0014737	0.00942321	0.8757217	0.7469181	11	0.98013168
ENSG00000170802	2	FOXN2	48541776	rs79073127	2	48573895	C	G	0.12326	-0.0080756	0.0148553	0.586703	1.31487	0.0786717	1.05E-62	-0.0061418	0.0113039	0.5869012	0.3421843	20	0.89548788
ENSG00000068781	2	STON1-GTF2A1L	48757064	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.76274	0.0812728	6.30E-21	-0.0036139	0.0109579	0.7415519	0.1371393	20	0.94621977
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.971388	0.0727936	1.28E-40	-0.0028377	0.00860153	0.7414741	0.125829	20	0.94621977
ENSG00000170634	2	ACYP2	54197975	rs12616638	2	54298672	G	A	0.442346	-0.0015186	0.00808178	0.850949	-0.36526	0.0574586	2.06E-10	0.00415767	0.0221358	0.8510132	0.03777781	20	0.97754318
ENSG00000233266	2	HMGB1P31	54278471	rs1477258	2	54227168	A	T	0.429423	-0.0108557	0.0080878	0.17952	0.613997	0.102002	1.75E-09	-0.0176804	0.0134959	0.1901763	0.1212992	19	0.68934009
ENSG00000115306	2	SPTBN1	54683422	rs3796012	2	54843214	G	A	0.358847	-0.0017074	0.00807683	0.832584	-0.400962	0.0591466	1.21E-11	0.00425813	0.0201534	0.8326642	0.262552	20	0.97253481
ENSG00000162994	2	CLHC1	55401927	rs6758504	2	55453099	T	C	0.521869	0.00881376	0.0081805	0.281297	0.391513	0.0600873	7.23E-11	0.022512	0.0211783	0.2877925	0.3494202	12	0.77196158
ENSG00000162997	2	PRORSD1P	55509455	rs144230251	2	55602900	C	G	0.0337972	0.00205754	0.0284021	0.942249	1.21494	0.163929	1.25E-13	0.00169353	0.0233785	0.9422519	0.909562	20	0.99338916
ENSG00000115355	2	CCDC88A	55514978	rs148940584	2	55683417	C	A	0.05666	-0.0233654	0.0217177	0.281984	1.29259	0.134114	5.53E-22	-0.0180764	0.0169061	0.284967	0.9977564	20	0.76860281
ENSG00000055813	2	CCDC85A	56411258	rs1861772	2	56461906	G	T	0.4334	0.0153728	0.00807295	0.0568787	0.520536	0.0786113	3.55E-11	0.0295326	0.0161375	0.06724025	0.2856019	16	0.51528995
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	1.10851	0.0641783	7.60E-67	-0.0038542	0.0073036	0.5976953	0.01634082	20	0.89978219
ENSG00000271889	2	RP11-493E12.1	61378568	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.520451	0.0860034	1.43E-09	-0.0082092	0.0156078	0.5989117	0.05529402	16	0.89978219
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-1.02799	0.069497	1.65E-49	0.0081472	0.00808645	0.3136883	0.1516259	20	0.78575241
ENSG00000273302	2	RP11-493E12.2	61427114	rs7369217	2	61533480	G	A	0.65507	0.0112532	0.00815666	0.167701	-0.543476	0.0792397	6.95E-12	-0.020706	0.0153089	0.1762023	0.2015455	20	0.67188789
ENSG00000225889	2	AC074289.1	64370373	rs1579387	2	64502545	A	C	0.128231	0.00238865	0.0106419	0.822402	-0.872787	0.132965	5.24E-11	-0.0027368	0.0122001	0.8225037	0.09594166	7	0.96886182
ENSG00000226819	2	MEIS1-AS3	66653867	rs6546230	2	66652982	G	C	0.706759	-0.0180121	0.00880276	0.040738	-1.00157	0.094102	1.87E-26	0.0179839	0.00894991	0.04449562	0.5639363	9	0.46349438
ENSG00000236780	2	AC078941.1	67350489	rs6722203	2	67569193	A	G	0.630219	-0.0129026	0.00811038	0.111638	0.685676	0.100773	1.02E-11	-0.0188173	0.0121473	0.1213586	0.1993243	11	0.62859148
ENSG00000243667	2	WDR92	68350068	rs6731373	2	68503044	A	G	0.299205	-0.0099173	0.0096835	0.305769	-0.449697	0.0770906	5.43E-09	0.0220532	0.0218627	0.3131123	0.3715189	4	0.78527319
ENSG00000115946	2	PNO1	68384976	rs10195757	2	68493582	C	T	0.634195	0.00298846	0.00878165	0.733625	0.397186	0.0650229	1.01E-09	0.00752408	0.022144	0.7340219	0.8341661	7	0.94453419
ENSG00000087338	2	GMCL1	70056774	rs57278310	2	70093647	C	T	0.460239	-0.0005351	0.00806449	0.947095	-0.298938	0.0421975	1.40E-12	0.00179008	0.0269783	0.9470972	0.04682991	20	0.99338916
ENSG00000124380	2	SNRNP27	70120692	rs2034739	2	70122908	T	G	0.245527	0.0008737	0.00961726	0.927614	-0.315725	0.0526631	2.03E-09	-0.0027673	0.0304644	0.9276228	0.1569991	18	0.99191324
ENSG00000152672	2	CLEC4F	71035775	rs34651755	2	71115499	G	T	0.083499	0.0169282	0.0119409	0.156288	-0.786486	0.12481	2.95E-10	-0.0215238	0.0155621	0.1666354	0.218213	6	0.66456412
ENSG00000144040	2	SFXN5	73169165	rs73943410	2	73330223	A	G	0.0536779	-0.0112712	0.0213998	0.598405	-0.568606	0.07541	4.69E-14	0.0198225	0.0377273	0.5992939	0.2634604	10	0.89978219
ENSG00000214513	2	NOTO	73429386	rs11894720	2	73427403	A	C	0.183897	0.0109419	0.010457	0.295387	0.910899	0.116856	6.44E-15	0.0120122	0.0115828	0.2997036	0.9846553	7	0.77863838
ENSG00000144035	2	NAT8	73867959	rs6756885	2	73805172	G	A	0.220676	0.00447164	0.00990096	0.651531	0.83937	0.105435	1.71E-15	0.00532738	0.0118147	0.652053	0.4200321	20	0.92285128
ENSG00000163016	2	ALMS1P	73872046	rs7587577	2	73832786	T	C	0.215706	0.00476817	0.00990754	0.630327	0.944392	0.0901754	1.15E-25	0.00504893	0.010502	0.6306875	0.5100186	20	0.91595958
ENSG00000257800	2	FNBP1P1	74347807	rs1667613	2	74349288	G	A	0.411531	0.00104148	0.00832025	0.900386	0.841072	0.0780766	4.65E-27	0.00123828	0.0098931	0.9003924	0.9073544	14	0.98631547
ENSG00000217702	2	MGC10955	74361599	rs2280642	2	74358252	A	T	0.168986	-0.0023466	0.0109667	0.83057	1.17463	0.0945892	2.08E-35	-0.0019977	0.00933769	0.8305948	0.88586	18	0.97101771
ENSG00000163170	2	BOLA3	74362525	rs828882	2	74375804	T	C	0.435388	-0.0067821	0.00805555	0.399832	0.451081	0.0553846	3.81E-16	-0.0150353	0.0179535	0.4023347	0.5266021	10	0.83053613
ENSG00000225439	2	BOLA3-AS1	74375136	rs828883	2	74375457	A	G	0.428429	-0.0068514	0.00805538	0.395029	-0.563641	0.0510285	2.30E-28	0.0121556	0.014334	0.3964251	0.5096782	20	0.82851531
ENSG00000114978	2	MOB1A	74379655	rs1667609	2	74387740	C	T	0.436382	-0.0068609	0.00805368	0.39427	-0.295095	0.0384654	1.70E-14	0.0232499	0.0274596	0.3971647	0.2759316	11	0.82860146
ENSG00000188687	2	SLC4A5	74443369	rs71418738	2	74850916	G	A	0.0198807	0.0198069	0.0239766	0.408752	1.19504	0.16899	1.53E-12	0.0165743	0.0201999	0.4119235	0.6358386	5	0.83688257
ENSG00000115275	2	MOGS	74688184	rs11688069	2	74726760	T	C	0.154076	0.00779557	0.0115472	0.499609	0.519647	0.0675846	1.48E-14	0.0150017	0.0223067	0.5012544	0.7317931	20	0.8659436
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.09877	0.06302	4.46E-68	-0.007722	0.00819649	0.3461333	0.3427437	20	0.8110906
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.944884	0.0674681	1.45E-44	-0.0089797	0.00953904	0.3465201	0.4241615	20	0.8110906
ENSG00000115350	2	POLE4	75185619	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.324548	0.0539675	1.81E-09	-0.0261433	0.0280479	0.3512886	0.4222475	10	0.81376292
ENSG00000270696	2	RP11-342K6.1	75887588	rs34081022	2	75902380	T	C	0.242545	-0.002606	0.00871732	0.764983	0.524312	0.0866249	1.42E-09	-0.0049703	0.0166465	0.7652614	0.6632859	5	0.95514229
ENSG00000163541	2	SUCLG1	84650647	rs9967653	2	84594249	T	C	0.0576541	-0.0002853	0.0216113	0.989467	0.843001	0.098521	1.16E-17	-0.0003384	0.0256362	0.9894675	0.9501499	16	0.9989377
ENSG00000115423	2	DNAH6	84743579	rs7561462	2	84686757	G	A	0.394632	0.00023898	0.00841216	0.977337	-1.07454	0.0883973	5.34E-34	-0.0002224	0.00782864	0.9773366	0.5553765	20	0.99743145
ENSG00000152284	2	TCF7L1	85360533	rs11900333	2	85531579	A	C	0.479125	0.00256389	0.0081529	0.75316	-0.545802	0.0589952	2.21E-20	-0.0046975	0.0149461	0.7532975	0.01710982	20	0.95258055
ENSG00000115459	2	ELMOD3	85581517	rs11686739	2	85641240	G	A	0.027833	-0.029308	0.0301318	0.330723	0.643828	0.113843	1.55E-08	-0.0455215	0.0474882	0.3377673	0.2130629	9	0.80581399
ENSG00000042493	2	CAPG	85621871	rs56017561	2	85658993	C	T	0.427435	0.0118459	0.00816022	0.146596	0.396411	0.0607659	6.86E-11	0.0298829	0.0210888	0.1564815	0.1688451	8	0.65680536
ENSG00000152292	2	SH2D6	85645844	rs56017561	2	85658993	C	T	0.427435	0.0118459	0.00816022	0.146596	-1.09253	0.0720995	7.23E-52	-0.0108426	0.0075033	0.1484443	0.2018752	20	0.64805195
ENSG00000207207	2	Y_RNA	85661630	rs56017561	2	85658993	C	T	0.427435	0.0118459	0.00816022	0.146596	-0.883324	0.0915369	4.92E-22	-0.0134106	0.00934203	0.1511412	0.2220252	17	0.65101824
ENSG00000244399	2	RN7SL251P	85669618	rs56017561	2	85658993	C	T	0.427435	0.0118459	0.00816022	0.146596	-0.945459	0.0910236	2.84E-25	-0.0125293	0.00871485	0.1505216	0.1956351	19	0.64908416
ENSG00000168906	2	MAT2A	85766288	rs56228924	2	85658862	A	G	0.423459	0.0114081	0.00816254	0.162229	-0.539583	0.0578507	1.09E-20	-0.0211424	0.0152964	0.1669148	0.2097227	13	0.66475683
ENSG00000115486	2	GGCX	85771846	rs6738645	2	85783128	G	T	0.493042	-0.0040806	0.00810014	0.614425	0.913686	0.0697814	3.58E-39	-0.0044661	0.0088719	0.6146872	0.3426751	20	0.90683002
ENSG00000115523	2	GNLY	85912298	rs3755007	2	85920249	G	T	0.367793	0.0127483	0.00880952	0.147869	-0.535171	0.0827389	9.92E-11	-0.023821	0.0168681	0.1578929	0.3398549	7	0.65780009
ENSG00000068654	2	POLR1A	86247339	rs11679343	2	86335208	C	T	0.840954	0.0130792	0.0110473	0.236441	0.692559	0.0713616	2.87E-22	0.0188853	0.0160697	0.2399088	0.7584544	20	0.73407482
ENSG00000132305	2	IMMT	86371055	rs9653508	2	86422816	G	T	0.508946	0.0119234	0.00812335	0.142162	-0.376621	0.0482775	6.13E-15	-0.0316589	0.0219475	0.1491661	0.08450329	20	0.64835856
ENSG00000273080	2	RP11-301O19.1	86422713	rs6547663	2	86406438	G	A	0.478131	0.0131637	0.0080533	0.10214	0.847559	0.0958358	9.25E-19	0.0155313	0.00966269	0.1079779	0.1179697	20	0.60962213
ENSG00000132313	2	MRPL35	86426478	rs13353	2	86437898	T	C	0.924453	-0.0065671	0.0210502	0.755059	-0.784087	0.0956758	2.50E-16	0.00837551	0.0268662	0.7552314	0.1887152	20	0.95258055
ENSG00000068615	2	REEP1	86441116	rs6758173	2	86462747	A	G	0.543738	0.0108576	0.00812783	0.181597	0.284189	0.0462479	8.00E-10	0.0382056	0.0292681	0.1917684	0.1533713	20	0.69013161
ENSG00000153563	2	CD8A	87011729	rs6755452	2	87035076	G	T	0.224652	0.0277136	0.0103571	0.00745504	-0.573404	0.0836123	6.99E-12	-0.0483317	0.0193887	0.01267487	0.4096238	10	0.33558412
ENSG00000172116	2	CD8B	87042462	rs190094847	2	87083881	T	G	0.0666004	0.0157768	0.0276714	0.568577	1.86836	0.21701	7.33E-18	0.0084442	0.014843	0.5694225	0.3745367	8	0.8880253
ENSG00000233673	2	ANAPC1P1	87098424	rs190094847	2	87083881	T	G	0.0666004	0.0157768	0.0276714	0.568577	1.93229	0.212825	1.09E-19	0.00816482	0.0143487	0.5693376	0.435793	6	0.8880253
ENSG00000187627	2	RGPD1	87135076	rs190094847	2	87083881	T	G	0.0666004	0.0157768	0.0276714	0.568577	1.65045	0.221348	8.89E-14	0.00955909	0.0168149	0.5697032	0.6105322	5	0.8880253
ENSG00000183281	2	PLGLB1	87229682	rs181970253	2	87130278	G	C	0.0596421	0.051602	0.0202532	0.010839	-1.50666	0.138299	1.23E-27	-0.0342493	0.0138052	0.0131051	0.05864788	20	0.33878364
ENSG00000231259	2	AC125232.1	87257800	rs11901025	2	87278601	T	C	0.532803	0.00099593	0.00829796	0.904466	-0.752986	0.0597309	1.95E-36	-0.0013227	0.0110206	0.9044704	0.02246223	20	0.98689075
ENSG00000234231	2	AC093616.4	88000503	rs370548001	2	87316465	T	G	0.0785288	0.0256579	0.0180031	0.154101	1.4949	0.154567	3.98E-22	0.0171636	0.0121731	0.1585494	0.1062166	16	0.65838318
ENSG00000125551	2	PLGLB2	88047606	rs188069130	2	87168684	C	T	0.0795229	0.034464	0.0183732	0.0606848	1.21885	0.165445	1.74E-13	0.0282758	0.0155552	0.06909795	0.347148	17	0.52084703
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.05157	0.0874174	2.49E-33	0.00367005	0.00825571	0.6566477	0.612039	20	0.92318646

ENSG00000144026	2	ZNF514	95813075	rs2278067	2	95955680	T	G	0.54175	0.0124903	0.00819235	0.127351	0.651248	0.0985636	3.91E-11	0.019179	0.01291	0.1373867	0.1176138	17	0.63721248
ENSG00000155066	2	PROM2	95940201	rs17119148	2	95880005	C	T	0.236581	-0.0275612	0.00967528	0.00439086	-0.561763	0.079569	1.66E-12	0.049062	0.0185722	0.00824928	0.01265382	13	0.28918841
ENSG00000115041	2	KCNIP3	95963052	rs3821341	2	95995954	T	C	0.751491	0.0238675	0.00936973	0.010856	-0.475889	0.0833108	1.12E-08	-0.0501535	0.0215579	0.0199941	0.2242869	14	0.35949739
ENSG00000198885	2	ITPRIPL1	96991069	rs772174	2	96991492	G	A	0.66004	-0.0095674	0.00917113	0.296849	0.854147	0.0728792	1.01E-31	-0.0112012	0.0107796	0.2987561	0.2541254	20	0.77863838
ENSG00000144199	2	FAHD2B	97749320	rs1257094	2	97747978	T	C	0.762425	-0.0034167	0.0102635	0.739214	0.446634	0.0597343	7.60E-14	-0.0076498	0.0230024	0.7394621	0.5538731	20	0.94609859
ENSG00000230606	2	AC159540.1	98081083	rs1257054	2	97742529	T	C	0.798211	-0.0065941	0.0108837	0.544605	-1.07219	0.0974151	3.56E-28	0.00615009	0.0101663	0.5452123	0.6749479	20	0.8800561
ENSG00000196912	2	ANKRD36B	98108978	rs142381626	2	98224373	C	T	0.759443	0.00644507	0.00994638	0.516997	-0.7661	0.0690297	1.28E-28	-0.0084128	0.0130052	0.5177097	0.4595879	20	0.87239215
ENSG00000235833	2	AC159540.14	98140412	rs60492555	2	98198416	A	C	0.649105	-0.000665	0.00934421	0.943268	-1.00603	0.0731655	5.09E-43	0.00066098	0.00928833	0.9432683	0.4092927	20	0.99338916
ENSG00000115073	2	ACTR1B	98272431	rs11692435	2	98275354	A	G	0.083499	-0.0159622	0.00953995	0.0942888	1.17924	0.0995742	2.34E-32	-0.013536	0.00817026	0.09757166	0.05790825	8	0.59814366
ENSG00000115085	2	ZAP70	98330023	rs11894651	2	98317771	A	C	0.736581	0.00496402	0.00967661	0.607957	-1.25361	0.0825194	4.01E-52	-0.0039598	0.0077234	0.6081616	0.5746625	20	0.90341567
ENSG00000183513	2	COA5	99215773	rs72823801	2	99235055	G	A	0.264414	0.021401	0.0100038	0.0324116	0.340608	0.0481079	1.44E-12	0.0628318	0.0306819	0.04057506	0.6536445	7	0.44561847
ENSG00000135951	2	TSGA10	99613724	rs4347885	2	99804007	A	G	0.609344	0.00354953	0.00810788	0.66154	0.884185	0.0834979	3.34E-26	0.00401447	0.00917772	0.6618111	0.8099626	20	0.92466627
ENSG00000231822	2	AC019097.7	99718481	rs6542866	2	99764592	C	T	0.610338	0.00365337	0.00810995	0.652364	0.641296	0.0823625	6.90E-15	0.00569685	0.0126673	0.6529066	0.8618957	17	0.92291695
ENSG00000144182	2	LIPT1	99771418	rs720228	2	99704547	G	A	0.633201	-4.27E-05	0.00815635	0.995819	0.669139	0.073585	9.60E-20	-6.39E-05	0.0121893	0.9958192	0.8164035	20	0.99906546
ENSG00000185414	2	MRPL30	99797542	rs720228	2	99704547	G	A	0.633201	-4.27E-05	0.00815635	0.995819	0.299981	0.0478383	3.59E-10	-0.0001425	0.0271896	0.9958192	0.7055072	12	0.99906546
ENSG00000144214	2	LYG1	99900701	rs13003899	2	99923088	C	T	0.856859	-0.0007768	0.0101944	0.939259	0.673413	0.110028	9.33E-10	-0.0011536	0.0151396	0.9392633	0.9235025	12	0.99333365
ENSG00000144218	2	AFF3	100162323	rs13402299	2	100659409	T	C	0.187873	0.0122124	0.0109932	0.266607	0.420194	0.0593716	1.47E-12	0.0290637	0.0264825	0.2724372	0.2950395	20	0.76067603
ENSG00000115526	2	CHST10	101008327	rs4850931	2	101005145	T	C	0.498012	0.00560951	0.00805496	0.486177	0.335097	0.0453358	1.45E-13	0.01674	0.0241442	0.4881	0.6325853	14	0.86252211
ENSG00000163162	2	RNF149	101887681	rs55794811	2	101873541	A	T	0.256461	-0.002307	0.01057	0.827231	-0.323213	0.0539824	2.13E-09	0.00713755	0.0327246	0.8273437	0.4871485	4	0.96886182
ENSG00000115602	2	IL1RL1	102927962	rs59247511	2	102954190	C	T	0.487078	0.0121145	0.0080426	0.131994	-0.535477	0.0613426	2.56E-18	-0.0226238	0.0152415	0.1377148	0.4756463	13	0.63721248
ENSG00000115604	2	IL18R1	102927989	rs2110660	2	102918601	G	C	0.494036	0.0127759	0.00803259	0.111721	-0.726596	0.0638158	4.92E-30	-0.0175832	0.0111624	0.1152072	0.5791812	20	0.61794187
ENSG00000135972	2	MRPS9	105654441	rs58545644	2	105682664	T	G	0.224652	0.00762088	0.0107327	0.477666	-0.542471	0.0759239	9.00E-13	-0.0140485	0.0198823	0.4798268	0.00313677	10	0.85907573
ENSG00000272994	2	RP11-332H14.2	105950484	rs2679844	2	105961177	C	T	0.725646	-0.0012349	0.00876951	0.888019	-0.457826	0.0701456	6.72E-11	0.0026972	0.0191591	0.8880445	0.9537066	6	0.98447405
ENSG00000119147	2	C2orf40	106679702	rs66989638	2	106689736	A	G	0.125249	0.0128267	0.010364	0.215856	-0.890354	0.107453	1.17E-16	-0.0144063	0.0117694	0.2209363	0.1904276	7	0.72284625
ENSG00000229360	2	PPP1R2P5	107557336	rs17033621	2	107613912	C	T	0.470179	0.0126804	0.00811188	0.118007	0.972574	0.0779048	9.11E-36	0.013038	0.00840576	0.1208833	0.4270506	20	0.62692666
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.06621	0.100228	1.99E-26	0.00134899	0.009259	0.8841619	0.1517553	16	0.98303047
ENSG00000135968	2	GCC2	109065017	rs6757135	2	109081468	G	C	0.110338	-0.0026368	0.0101528	0.795084	-0.90361	0.118306	2.21E-14	0.00291812	0.0112423	0.7951989	0.6770787	17	0.96137537
ENSG00000169756	2	LIMS1	109150857	rs72627470	2	109128378	A	G	0.362823	0.00184276	0.00822717	0.822769	0.253058	0.0437984	7.57E-09	0.00728197	0.0325354	0.8229	0.9149263	15	0.96886182
ENSG00000204588	2	AC013268.5	110744640	rs200573961	2	111125363	C	G	0.0238569	0.00191652	0.0216715	0.929531	1.51041	0.200199	4.54E-14	0.00126887	0.0143491	0.9295357	0.9914434	15	0.99191324
ENSG00000153094	2	BCL2L11	111876955	rs2241843	2	111879381	A	C	0.538767	0.00477395	0.00808703	0.554976	-0.61934	0.0709741	2.63E-18	-0.0077081	0.0130873	0.5558776	0.09683047	20	0.88271976
ENSG00000144152	2	FBLN7	112895962	rs10175143	2	112845395	G	A	0.49503	0.00939582	0.00821348	0.252643	-0.516454	0.0812453	2.06E-10	-0.0181929	0.0161591	0.2602224	0.3210859	20	0.74586579
ENSG00000169629	2	RGPD8	113127669	rs13422242	2	113190211	T	A	0.161034	-0.0008649	0.0108935	0.936715	-1.3883	0.0896884	4.80E-54	0.00062302	0.00784675	0.9367162	0.7131094	20	0.99333365
ENSG00000125630	2	POLR1B	113299492	rs200353609	2	113313835	C	A	0.083499	-0.0003823	0.0146081	0.979122	1.07261	0.0949233	1.32E-29	-0.0003564	0.0136192	0.9791216	0.8602816	20	0.99743376
ENSG00000237753	2	AC079922.3	113399409	rs4849088	2	113399493	T	C	0.83002	-0.0138032	0.0119106	0.246496	-0.835979	0.0949649	1.33E-18	0.0165114	0.0143704	0.2505615	0.9373547	19	0.74405279
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.898842	0.0916446	1.04E-22	0.00979879	0.00914998	0.2842107	0.6390964	20	0.76834841
ENSG00000136682	2	CBWD2	114195268	rs7562975	2	114187759	A	G	0.16004	-0.008961	0.00976944	0.359013	-0.68277	0.082984	1.91E-16	0.0131245	0.0143972	0.3619789	0.6809413	9	0.81796267
ENSG00000184492	2	FOXD4L1	114256661	rs2748031	2	114256759	G	A	0.260437	-0.0095506	0.00977569	0.328584	-1.04965	0.0927959	1.15E-29	0.0090988	0.00934796	0.3303815	0.4413944	13	0.79922709
ENSG00000225398	2	RP11-395L14.5	114299514	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.687642	0.0924248	1.01E-13	0.0175905	0.0132276	0.1835709	0.236322	19	0.68142924
ENSG00000146556	2	WASH2P	114341664	rs114676503	2	114361603	C	A	0.4334	0.0194714	0.00857535	0.0231697	-0.817729	0.0632288	2.94E-38	-0.0238116	0.0106472	0.02532444	0.4996219	20	0.38685001
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	1.07732	0.0758525	8.80E-46	0.0112279	0.00834458	0.1784549	0.177335	20	0.67740298
ENSG00000240356	2	RPL23AP7	114368079	rs1667103	2	114380967	T	C	0.294235	0.0087771	0.00870705	0.313433	-0.963357	0.088077	7.61E-28	-0.009111	0.00907654	0.3154793	0.01088693	20	0.78690309
ENSG00000144134	2	RABL2A	114384806	rs793077	2	114393214	A	G	0.252485	0.00520703	0.0087127	0.550083	-0.495836	0.072216	6.60E-12	-0.0105015	0.0176382	0.5515858	0.5953264	15	0.88133611
ENSG00000115084	2	SLC35F5	114462588	rs17632866	2	114512224	A	T	0.138171	0.0223785	0.0114502	0.0506512	-0.464805	0.0716141	8.56E-11	-0.048146	0.0257271	0.0612876	0.3929565	6	0.50730836
ENSG00000235026	2	AC066593.1	115888512	rs7569687	2	115903625	T	C	0.0536779	-0.007768	0.0161509	0.630543	0.555648	0.101733	4.71E-08	-0.01398	0.0291793	0.6318622	0.2419173	5	0.91688388
ENSG00000125633	2	CCDC93	118673054	rs11545372	2	118771566	A	C	0.345924	0.0179935	0.00940206	0.0556468	0.485165	0.0605851	1.17E-15	0.0370874	0.0199248	0.06269246	0.4770399	16	0.50845953
ENSG00000163064	2	EN1	119599747	rs2118768	2	119588202	T	C	0.826044	-0.0039354	0.0115958	0.734324	-0.641365	0.106432	1.68E-09	0.0061359	0.0181085	0.7347301	0.9477166	3	0.94484042
ENSG00000115107	2	STEAP3	119981384	rs1838763	2	119937936	A	G	0.242545	-0.0212304	0.00849619	0.0124609	0.852323	0.0923196	2.65E-20	-0.0249089	0.0103269	0.01586411	0.01314046	20	0.34725322
ENSG00000229867	2	STEAP3-AS1	120001998	rs3886151	2	120045415	T	A	0.388668	-0.0040248	0.00815048	0.621443	0.466628	0.0795697	4.51E-09	-0.0086252	0.0175286	0.6226733	0.5110486	5	0.91051849
ENSG00000144120	2	TMEM177	120436743	rs2272053	2	120436773	G	A	0.150099	0.00799764	0.0118143	0.49844	1.13994	0.0980037	2.85E-31	0.00701584	0.0103815	0.4991662	0.4984535	19	0.86521828
ENSG00000088179	2	PTPN4	120517207	rs2136835	2	120614041	G	T	0.274354	-0.0110114	0.00864518	0.202769	-0.279939	0.0420866	2.90E-11	0.039335	0.0314435	0.2109438	0.8103459	12	0.71128274
ENSG00000115109	2	EPB41L5	120770581	rs1627943	2	120769787	C	A	0.234592	-0.0068407	0.00910904	0.452667	-0.642296	0.0615296	1.65E-25	0.0106503	0.0142186	0.4538337	0.6947909	20	0.85417294
ENSG00000136717	2	BIN1	127805603	rs62158731	2	127887750	T	C	0.257455	-0.0139607	0.00912906	0.126199	0.51301	0.0543789	3.95E-21	-0.0272133	0.0180274	0.1311571	0.08024585	16	0.63721248
ENSG00000163161	2	ERCC3	128014866	rs11541137	2	128145771	T	C	0.250497	-0.0071778	0.0094129	0.445731	-0.76525	0.070586	2.19E-27	0.00937969	0.0123308	0.4468536	0.7904109	20	0.85417294
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.27981	0.0882755	1.25E-47	-0.0086508	0.00712638	0.2247806	0.9719406	20	0.7258405
ENSG00000231731	2	AC010976.2	128221218	rs17015391	2	128296831	G	A	0.0457256	-0.0200774	0.0190426	0.291727	-0.90934	0.159067	1.09E-08	0.0220791	0.0212943	0.2998036	0.2180931	6	0.77863838
ENSG00000144230	2	GPR17	128403439	rs62161993	2	128405642	T	C	0.0526839	0.0339023	0.0141216	0.0163621	1.0498	0.146723	8.37E-13	0.0322941	0.0141887	0.02284392	0.02977251	10	0.38159045
ENSG00000144231	2	POLR2D	128603840	rs6721274	2	128616001	G	A	0.512922	-0.0053862	0.00807174	0.504589	-0.510263	0.0538648	2.72E-21	0.0105556	0.015858	0.5056441	0.4853145	20	0.86817163
ENSG00000214100	2	AC079776.2	130680435	rs6760544	2	130694072	C	A	0.693837	-0.0082865	0.0082287	0.313924	0.518372	0.0829556	4.14E-10	-0.0159856	0.0160789	0.3201276	0.1297656	9	0.79066347
ENSG00000225449	2	AC079776.7	130724165	rs1882608	2	130695820	A	C	0.694831	-0.008326	0.00822806	0.311582	0.820881	0.0773367	2.55E-26	-0.0101428	0.0100689	0.313771	0.1452208	20	0.78575241
ENSG00000222014	2	RAB6C	130737235	rs1922633	2	130701189	A	G	0.702783	-0.014061	0.00827921	0.0894417	0.640013	0.091102	2.14E-12	-0.0219699	0.0133086	0.09878011	0.5556517	8	0.5994087
ENSG00000180178	2	AC018865.8	130748029	rs60221378	2	130816861	G	A	0.602386	-0.015261	0.00810179	0.0596115	-0.700292	0.0975892	7.18E-13	0.0217923	0.0119611	0.06846509	0.5610234	19	0.51899627
ENSG00000152076	2	CCDC74B	130896860	rs10928961	2	130937932	A	G	0.346918	-0.0174533	0.00828177	0.03508	0.609542	0.0840981	4.23E-13	-0.0286335	0.0141496	0.04300822	0.7381546	16	0.45993902
ENSG00000136718	2	IMP4	131099798	rs11542411	2	131100734	A	G	0.217694	0.00272371	0.0113053	0.809615	0.42326	0.0668341	2.40E-10	0.00643508	0.0267294	0.8097496	0.8648456	7	0.96594546
ENSG00000240253	2	AC140481.7	131447706	rs543632461	2	131446469	T	A	0.107356	-0.0128904	0.015414	0.402999	-0.894187	0.125378	9.90E-13	0.0144158	0.0173561	0.4062063	0.8799407	10	0.83374835
ENSG00000273073	2	RP11-109E12.1	132219394	rs6722714	2	132231771	C	T	0.0924453	0.0258102	0.0171846	0.133113	0.990297	0.11626	1.62E-17	0.0260631	0.0176207	0.1391082	0.3856185	20	0.63721248
ENSG00000173272	2	MZT2A	132222473	rs72859876	2	132231378	C	G	0.0894632	0.0336292	0.0217456	0.121988	-0.97341	0.0816102	8.50E-33	-0.0345478	0.0225266	0.1251168	0.1809903	20	0.63282784
ENSG00000152117	2	AC093838.4	132250386	rs374293949	2	132260297	A	G	0.194831	-0.0095517	0.00918408	0.298327	-1.31715	0.0764773	1.79E-66	0.00725179	0.00698539	0.2992063	0.99942	20	0.77863838
ENSG00000163040	2	CCDC74A	132285248	rs6709245	2	132248876	G	A	0.312127	-0.001054	0.00863335	0.902836	-0.414236	0.0723014	1.01E-08	0.00254435	0.0208464	0.9028575	0.5382478	20	0.98662577
ENSG00000197927	2	C2orf27A	132479948	rs6720375	2	132440073	C	G	0.585487	-0.0048793	0.00852259	0.566978	0.725842	0.077826	1.09E-20	-0.0067222	0.0117638	0.5677067	0.4214213	15	0.88628352
ENSG00000163046	2	ANKRD30BL	132905164	rs13382851	2	133012111	C	T	0.0526839	-0.0050555	0.0204615	0.80485	-1.033	0.15077	7.31E-12	0.00489401	0.0198207	0.804975	0.9955436	8	0.96501284
ENSG00000152128	2	TMEM163	135213330	rs581454	2	135268919	G	A	0.398608	-0.0018728	0.00910328	0.837001	-0.316563	0.0487873	8.66E-11	0.00591614	0.0287711	0.8370815	0.5942982	20	0.97276333
ENSG00000224043	2	AC016725.4	135493034	rs4953937	2	135682792	A	T	0.329026	-0.0193547	0.00895633	0.0306945	-0.606604	0.0917384	3.78E-11	0.0319066	0.0155332	0.03996666	0.2250417	17	0.44233003
ENSG00000082258	2	CCNT2	135675805	rs3769026	2	135677043	G	T	0.329026	-0.0193926	0.0089605	0.0304467	0.330262	0.0461135	7.95E-13	-0.0587188	0.0283432	0.03829269	0.2161633	9	0.44087342
ENSG00000076003	2	MCM6	136597196	rs7564577	2	136576166	C	T	0.818091	0.0142145	0.0114612	0.214889	-0.454772	0.0809288	1.92E-08	-0.0312563	0.0258086	0.2258638	0.1395119	20	0.72659822
ENSG00000144229	2	THSD7B	137523115	rs10221968	2	137748015	T	G	0.475149	0.00350658	0.00818896	0.668499	0.516888	0.0793149	7.18E-11	0.00678402	0.015877	0.6691704	0.05007687	11	0.92466627
ENSG00000080345	2	RIF1	152266397	rs56224718	2	152412806	T	C	0.282306	-0.0016732	0.00893354	0.851427	0.246124	0.0422533	5.71E-09	-0.0067983	0.0363157	0.8515032	0.2783501	8	0.97754318
ENSG00000144278	2	GALNT13	154728426	rs1010067	2	154989125	G	A	0.748509	0.0159714	0.00895872	0.0746225	0.434625	0.057418	3.75E-14	0.0367475	0.0211765	0.08268808	0.8480604	9	0.55950418
ENSG00000162989	2	KCNJ3	155554811	rs2971920	2	155726400	C	A	0.384692	-0.0267483	0.00814757	0.00102716	-0.476186	0.0440506	3.09E-27	0.056172	0.0178817	0.00168195	0.2746176	20	0.17315773
ENSG00000115183	2	TANC1	159825146	rs264580	2	159972224	C	T	0.297217	0.00558429	0.00848126	0.510264	0.60368	0.0830471	3.62E-13	0.00925041	0.0141068	0.5119899	0.900099	7	0.87006491
ENSG00000196151	2	WDSUB1	160092304	rs714156	2	160141068	C	T	0.342942	0.0129889	0.00821119	0.113683	-0.613344	0.0660712	1.65E-20	-0.0211772	0.0135806	0.1189074	0.8571427	14	0.62503879
ENSG00000054219	2	LY75	160628362	rs79459276	2	160777515	C	T	0.0377734	0.0392134	0.0159317	0.013842	1.36379	0.235452	6.95E-09	0.0287533	0.0126929	0.02349425	0.4399228	9	0.38159045
ENSG00000115271	2	GCA	163175350	rs2216897	2	163836015	C	T	0.259443	-0.0325202	0.00961297	0.00071712	-0.800368	0.0766193	1.53E-25	0.0406316	0.0126248	0.00128914	0.062856	11	0.16825689
ENSG00000184611	2	KCNH7	163227917	rs2216897	2	163836015	C	T	0.259443	-0.0325202	0.00961297	0.00071712	-0.897745	0.0819919	6.70E-28	0.0362243	0.0112074	0.00122845	0.07310002	13	0.16825689
ENSG00000136531	2	SCN2A	166095912	rs1007722	2	166248047	A	G	0.425447	-0.0082223	0.0081507	0.313078	0.219936	0.0385119	1.12E-08	-0.0373849	0.0376332	0.3205132	0.1097983	3	0.79066347
ENSG00000115339	2	GALNT3	166604101	rs2288702	2	166727401	G	A	0.114314	-0.0086999	0.0110316	0.430324	1.23251	0.10456	4.52E-32	-0.0070587	0.00897053	0.4313548	0.31313	20	0.84807315
ENSG00000229195	2	AC009495.4	166651367	rs2288702	2	166727401	G	A	0.114314	-0.0086999	0.0110316	0.430324	0.748615	0.115343	8.57E-11	-0.0116213	0.0148444	0.4336998	0.1013526	6	0.849086
ENSG00000232411	2	AC009495.3	166689558	rs2288702	2	166727401	G	A	0.114314	-0.0086999	0.0110316	0.430324	1.05005	0.117231	3.33E-19	-0.0082852	0.0105464	0.4321046	0.1886927	15	0.84903406
ENSG00000123607	2	TTC21B	166713985	rs9973899	2	166717582	A	G	0.329026	0.00149819	0.00860806	0.86183	0.338802	0.0450141	5.21E-14	0.00442202	0.0254141	0.8618666	0.2033095	20	0.97828063
ENSG00000144285	2	SCN1A	166845670	rs78136867	2	166807059	C	G	0.143141	-0.011522	0.00983731	0.241495	-0.590461	0.0924157	1.67E-10	0.0195136	0.016938	0.2492975	0.3105977	13	0.74270962
ENSG00000172318	2	B3GALT1	168675182	rs4667985	2	168683690	G	A	0.125249	-0.0164384	0.0125227	0.189287	0.818576	0.12194	1.91E-11	-0.0200817	0.0155879	0.1976456	0.2678576	20	0.70012354
ENSG00000138399	2	FASTKD1	170386259	rs16857042	2	170419108	G	A	0.0675944	-0.0082885	0.0138657	0.549993	0.79597	0.0987473	7.59E-16	-0.0104131	0.0174677	0.5510854	0.2883578	17	0.88133611
ENSG00000144362	2	PHOSPHO2	170550975	rs9287916	2	170449075	A	G	0.715706	0.0341007	0.0095742	0.00036843	0.452458	0.0692405	6.38E-11	0.0753677	0.0240996	0.00176392	0.5140388	13	0.17783841
ENSG00000213160	2	KLHL23	170550998	rs10930370	2	170611659	T	C	0.61332	0.0227041	0.00839756	0.00685836	-0.428126	0.0551356	8.17E-15	-0.0530313	0.0207697	0.01067053	0.1331249	19	0.31487106
ENSG00000071967	2	CYBRD1	172378757	rs17288588	2	172410186	G	A	0.235586	0.0108961	0.0103555	0.292705	-0.358748	0.0414514	4.94E-18	-0.0303726	0.0290782	0.2962481	0.9289338	20	0.77863838
ENSG00000077380	2	DYNC1I2	172543919	rs7602037	2	172817794	G	A	0.691849	-0.0282492	0.00949337	0.00292341	0.35503	0.0460243	1.22E-14	-0.0795685	0.0286601	0.00549855	0.2210483	16	0.26570111
ENSG00000115840	2	SLC25A12	172640880	rs12692974	2	172663256	C	T	0.275348	0.0263281	0.00990626	0.00786702	0.354817	0.0420299	3.12E-17	0.0742019	0.0292702	0.01124271	0.8331853	20	0.31648994
ENSG00000152256	2	PDK1	173420101	rs7566884	2	173481200	G	A	0.166998	0.0253998	0.0116558	0.0293197	-0.496567	0.0778833	1.82E-10	-0.0511508	0.0248059	0.03920396	0.2753052	18	0.44087342
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs76443145	2	173600603	A	C	0.16998	0.0137168	0.0096749	0.156257	1.01676	0.108297	6.08E-21	0.0134907	0.0096233	0.1609518	0.1221879	15	0.65939472
ENSG00000271151	2	RP11-394I13.2	174833079	rs16866	2	174833833	A	G	0.23161	0.00783829	0.0112117	0.484479	-0.492199	0.0835746	3.88E-09	-0.015925	0.0229387	0.4875301	0.3289054	5	0.86252211
ENSG00000115935	2	WIPF1	175424300	rs4972451	2	175438782	G	A	0.545726	0.0162844	0.00819267	0.0468468	-0.260563	0.0417056	4.17E-10	-0.062497	0.0329951	0.05820779	0.3566367	7	0.50083362
ENSG00000128656	2	CHN1	175664091	rs60483396	2	175770282	T	G	0.403579	0.0063271	0.00806307	0.432628	-0.834491	0.0743845	3.30E-29	-0.007582	0.00968587	0.4337513	0.2358247	20	0.849086
ENSG00000154518	2	ATP5G3	176040986	rs268172	2	176071906	G	A	0.803181	-0.0177668	0.0119604	0.13742	-0.420999	0.0523117	8.42E-16	0.0422015	0.0288895	0.1440722	0.2288364	17	0.64189476
ENSG00000018510	2	AGPS	178257372	rs4893951	2	178307330	T	C	0.769384	0.0228234	0.00981772	0.0200872	-0.331271	0.0589283	1.89E-08	-0.0688965	0.0320706	0.03169207	0.3266872	5	0.42152962
ENSG00000187231	2	SESTD1	179966419	rs10194534	2	180115966	C	T	0.269384	-0.0075957	0.00954834	0.426325	0.382529	0.0562857	1.07E-11	-0.0198565	0.0251315	0.429468	0.9044992	20	0.84751306
ENSG00000150722	2	PPP1R1C	182818968	rs713094	2	182850046	A	G	0.236581	0.0100513	0.0103617	0.332021	0.77726	0.0900244	5.93E-18	0.0129317	0.0134149	0.3350568	0.1902474	20	0.80238543
ENSG00000272800	2	RP11-438L19.1	184079047	rs72898581	2	184076053	A	T	0.0497018	0.0649906	0.0348119	0.0619156	-0.800238	0.115472	4.20E-12	-0.0812141	0.0450528	0.07144423	0.03402624	20	0.52709798
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.19358	0.0926973	6.14E-38	0.00967543	0.00691247	0.161601	0.1865197	20	0.65985425
ENSG00000115368	2	WDR75	190306159	rs10208826	2	190344226	G	T	0.0377734	0.00306955	0.0202537	0.879538	-1.07688	0.111652	5.16E-22	-0.0028504	0.0188101	0.8795527	0.8757227	13	0.98191477
ENSG00000138381	2	ASNSD1	190526111	rs1132360	2	190526224	T	C	0.730616	0.0202821	0.00879427	0.0210945	0.646804	0.0580938	8.59E-29	0.0313574	0.0138851	0.02392423	0.02127356	20	0.38408294
ENSG00000253559	2	OSGEPL1-AS1	190627430	rs2033870	2	190603830	A	G	0.728628	0.0193154	0.00877347	0.0276956	0.69742	0.10425	2.23E-11	0.0276955	0.0132436	0.03650671	0.02135302	9	0.43471496
ENSG00000273240	2	RP11-455J20.3	190628585	rs2033746	2	190599452	A	G	0.729622	0.0193156	0.00877347	0.0276943	0.723186	0.0792081	6.84E-20	0.026709	0.0124794	0.03233469	0.03115156	20	0.42178047
ENSG00000128699	2	ORMDL1	190635049	rs10207346	2	190577964	A	G	0.729622	0.0192369	0.00877443	0.0283518	-0.519982	0.0594957	2.33E-18	-0.0369953	0.0173973	0.0334619	0.05104267	20	0.42178047
ENSG00000151689	2	INPP1	191208196	rs2067402	2	191224752	G	T	0.232604	-0.0060702	0.0113692	0.593399	1.0353	0.0749685	2.22E-43	-0.0058632	0.0109898	0.5936759	7.82E-05	20	0.89807048
ENSG00000151690	2	MFSD6	191273081	rs62182897	2	191471395	T	C	0.154076	0.0131609	0.0139435	0.345234	0.613529	0.0613705	1.57E-23	0.0214511	0.0228278	0.3473743	0.01623948	20	0.8110906
ENSG00000196950	2	SLC39A10	196440701	rs10178475	2	196637255	C	T	0.590457	0.00390779	0.00822481	0.634699	0.410096	0.0566395	4.47E-13	0.00952896	0.020099	0.6354268	0.4196812	20	0.91732007
ENSG00000115524	2	SF3B1	198254508	rs67580728	2	198431258	T	C	0.723658	-0.0317976	0.00816677	9.88E-05	-0.25414	0.0442198	9.07E-09	0.125118	0.038815	0.00126653	0.8366726	10	0.16825689
ENSG00000226124	2	FTCDNL1	200625267	rs13008446	2	200628500	A	G	0.66004	0.00646253	0.00948012	0.495433	-0.583503	0.0804989	4.21E-13	-0.0110754	0.0163186	0.4973292	0.3326773	9	0.86509196
ENSG00000162971	2	TYW5	200794698	rs3115419	2	200962831	T	C	0.460239	0.0122287	0.00807954	0.130142	-0.434859	0.0628913	4.70E-12	-0.0281211	0.0190196	0.1392655	0.00475454	20	0.63721248
ENSG00000240344	2	PPIL3	201735630	rs7606251	2	201736734	C	T	0.241551	0.00633892	0.00948388	0.503886	-0.932285	0.0762387	2.19E-34	-0.0067993	0.0101879	0.5045213	0.5813794	20	0.86796708
ENSG00000196290	2	NIF3L1	201754050	rs10197833	2	201904466	C	T	0.253479	0.00872509	0.00987365	0.376872	-0.394711	0.0669049	3.64E-09	-0.022105	0.0252939	0.3821591	0.4897853	17	0.82033551
ENSG00000064012	2	CASP8	202098166	rs2080303	2	202165206	C	T	0.7167	-0.0023139	0.00859682	0.787811	-1.04984	0.0956694	5.12E-28	0.00220401	0.00819116	0.7878742	0.6578161	20	0.9600829
ENSG00000155749	2	ALS2CR12	202152994	rs9288316	2	202163483	A	G	0.614314	-0.0002332	0.00827033	0.977502	-0.770791	0.0823409	7.90E-21	0.00030258	0.0107297	0.9775026	0.4156104	16	0.99743145
ENSG00000273209	2	RP11-107N15.1	202897493	rs13013124	2	202896229	A	T	0.293241	7.80E-06	0.00839534	0.999259	0.588613	0.0829488	1.28E-12	1.32E-05	0.0142629	0.999259	0.6849005	10	0.999953
ENSG00000273456	2	RP11-686O6.2	203239655	rs139042575	2	203238623	T	C	0.141153	-0.0005269	0.0122124	0.965587	0.648136	0.116191	2.43E-08	-0.0008129	0.0188429	0.9655878	0.7237974	7	0.99660087
ENSG00000023228	2	NDUFS1	206979541	rs6435325	2	207001265	T	C	0.471173	0.00103606	0.00806223	0.897747	-0.272372	0.0387416	2.06E-12	-0.0038038	0.029605	0.8977641	0.2080372	20	0.98597578
ENSG00000138400	2	MDH1B	207602487	rs3828294	2	207629904	A	G	0.259443	0.00646004	0.00857921	0.451458	0.807121	0.0748342	4.03E-27	0.00800381	0.0106553	0.4525568	0.4373358	20	0.85417294
ENSG00000234281	2	AC007970.1	211189483	rs17770211	2	211295019	C	A	0.37674	-0.0064622	0.00825137	0.433527	0.428576	0.0746907	9.58E-09	-0.0150784	0.0194315	0.4377631	0.6433286	5	0.85252555
ENSG00000115365	2	LANCL1	211295973	rs3755184	2	211317995	C	G	0.538767	-0.0044097	0.00813757	0.58789	0.195275	0.0290876	1.90E-11	-0.0225821	0.0418079	0.5891008	0.726003	14	0.89548788
ENSG00000021826	2	CPS1	211342406	rs62203669	2	211335543	G	A	0.480119	0.00139323	0.00807993	0.863098	0.450323	0.0740005	1.16E-09	0.00309385	0.0179497	0.8631531	0.5127982	12	0.97828063
ENSG00000270659	2	RP11-105N14.1	214017694	rs4353591	2	214018554	C	G	0.625249	-0.0191739	0.00819645	0.0193206	0.593155	0.091664	9.74E-11	-0.0323253	0.0146936	0.02781017	0.286545	10	0.4027262
ENSG00000138376	2	BARD1	215590370	rs6435862	2	215672546	T	G	0.753479	0.003764	0.00986895	0.702907	0.357979	0.0624975	1.02E-08	0.0105146	0.0276296	0.7035331	0.1177122	5	0.93781922
ENSG00000138363	2	ATIC	216176540	rs28366034	2	216176780	T	C	0.140159	0.009994	0.0116167	0.389615	0.927066	0.0884236	1.02E-25	0.0107802	0.0125727	0.3912065	0.2818945	14	0.82478961
ENSG00000079246	2	XRCC5	216972187	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	-0.922897	0.119089	9.21E-15	0.00789802	0.0218593	0.7178658	0.585009	4	0.93968224
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	1.47982	0.140487	6.05E-26	-0.0049256	0.0136258	0.7177311	0.9506903	9	0.93968224
ENSG00000227021	2	AC007557.3	217732735	rs1014680	2	217672824	A	G	0.572565	-0.0191565	0.00823932	0.0200715	-0.552685	0.0904869	1.01E-09	0.0346608	0.0159513	0.02978729	0.04754542	8	0.41039362
ENSG00000163466	2	ARPC2	219081817	rs58933582	2	219078618	C	T	0.519881	-0.0029916	0.00825435	0.717029	0.328986	0.0492319	2.35E-11	-0.0090935	0.0251272	0.7174267	0.8193906	6	0.93968224
ENSG00000261338	2	RP11-378A13.1	219120042	rs12999734	2	219121528	G	A	0.587475	-0.0025925	0.00858517	0.762669	1.06779	0.0715293	2.17E-50	-0.002428	0.00804177	0.7627153	0.5109332	20	0.95514229
ENSG00000135913	2	USP37	219314974	rs4674314	2	219423520	C	T	0.377734	0.0204076	0.00823974	0.0132593	-0.589818	0.0519775	7.63E-30	-0.0345998	0.0142988	0.01553062	0.3949039	20	0.34725322
ENSG00000115556	2	PLCD4	219472488	rs1344645	2	219538019	T	G	0.404573	0.018672	0.00812895	0.0216197	-0.571362	0.0759393	5.32E-14	-0.0326798	0.0148756	0.02802904	0.423529	14	0.4027262
ENSG00000163501	2	IHH	219919142	rs6759628	2	219923039	T	C	0.677932	-0.0243435	0.00906805	0.00726323	0.60928	0.0795991	1.94E-14	-0.0399545	0.015772	0.01130097	0.1068745	9	0.31648994
ENSG00000115649	2	CNPPD1	220036619	rs2385394	2	220049290	T	C	0.637177	-0.0264662	0.00841424	0.00165856	0.377103	0.0531626	1.31E-12	-0.0701829	0.0244081	0.00403526	0.3441149	11	0.23932723
ENSG00000144567	2	FAM134A	220040947	rs6715064	2	220041928	T	C	0.305169	0.0194745	0.00869915	0.0251773	-0.4489	0.0435812	7.02E-25	-0.0433827	0.0198312	0.02869905	0.01972164	20	0.40752651
ENSG00000158552	2	ZFAND2B	220059959	rs2385395	2	220049128	T	G	0.666004	-0.027493	0.00850327	0.001224	0.367148	0.0458451	1.16E-15	-0.0748826	0.0249766	0.00271662	0.02292766	13	0.21516834
ENSG00000198925	2	ATG9A	220074494	rs13419988	2	220056954	A	G	0.643141	-0.0265674	0.00844165	0.00164854	0.316321	0.0408537	9.73E-15	-0.0839887	0.0288073	0.00355076	0.04757136	14	0.23296373
ENSG00000182698	2	RESP18	220192131	rs35083292	2	220181066	A	T	0.290258	0.0108715	0.0104904	0.30005	-0.641676	0.112825	1.29E-08	-0.0169424	0.0166176	0.3079463	0.5373032	5	0.78007904
ENSG00000268603	2	RP11-316O14.1	220362333	rs2010528	2	220362283	G	C	0.353877	-0.0013275	0.00858727	0.877149	0.622235	0.0967185	1.25E-10	-0.0021334	0.0138047	0.8771849	0.2865493	11	0.98118496
ENSG00000144591	2	GMPPA	220363589	rs35936942	2	220335789	A	G	0.277336	0.00672811	0.00920794	0.464971	0.311645	0.0550742	1.53E-08	0.021589	0.0297916	0.468655	0.02385146	10	0.85740342
ENSG00000237732	2	AC010980.2	223182994	rs4597517	2	223307587	G	A	0.758449	-0.0008906	0.00912155	0.922219	0.574965	0.0932969	7.15E-10	-0.001549	0.0158665	0.9222288	0.7801407	7	0.98950443
ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.540111	0.0668849	6.73E-16	0.0130823	0.0164415	0.4262161	0.770112	9	0.84555504
ENSG00000152056	2	AP1S3	224616403	rs55944411	2	224640896	C	T	0.0467197	0.0152559	0.0153328	0.319742	1.14493	0.153582	9.00E-14	0.0133247	0.0135107	0.3240158	0.8963465	3	0.79507147
ENSG00000168958	2	MFF	228189867	rs7577008	2	228229617	T	C	0.286282	0.00245052	0.00852926	0.773877	-0.395932	0.0527819	6.32E-14	-0.0061892	0.021558	0.7740381	0.8742843	16	0.95712351
ENSG00000173744	2	AGFG1	228336868	rs35984244	2	228313664	A	G	0.0994036	0.00376404	0.0127365	0.767588	-0.600537	0.0934121	1.29E-10	-0.0062678	0.0212309	0.7678258	0.778789	11	0.95514229

ENSG00000153820	2	SPHKAP	228844666	rs10196885	2	228916212	A	G	0.668986	-0.0099223	0.00869455	0.253785	0.38457	0.054637	1.94E-12	-0.0258009	0.0229037	0.2599564	0.7492365	13	0.74586579
ENSG00000204128	2	C2orf72	231902205	rs62193694	2	231907054	T	C	0.21173	-0.0058435	0.00930042	0.529802	0.445405	0.0713663	4.34E-10	-0.0131196	0.0209864	0.5318745	0.6108129	14	0.87557054
ENSG00000261829	2	RP11-223I10.1	231916755	rs28616087	2	231901385	A	C	0.308151	-0.0149217	0.00849023	0.0788297	0.518234	0.0759418	8.85E-12	-0.0287934	0.0169176	0.0887601	0.4307049	20	0.57659751
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-1.01603	0.0932196	1.16E-27	-0.0126112	0.00901833	0.1619925	0.01392988	20	0.66025332
ENSG00000171596	2	NMUR1	232387871	rs1667311	2	232407340	G	A	0.229622	-0.0169553	0.0110639	0.125403	0.984243	0.111098	8.06E-19	-0.0172267	0.011408	0.1310275	0.6127798	20	0.63721248
ENSG00000237412	2	PRSS56	233385173	rs733603	2	233387635	G	A	0.789264	0.0155375	0.0107292	0.147574	-0.947581	0.112154	2.94E-17	-0.016397	0.0114878	0.1534829	0.7189566	13	0.65219838
ENSG00000135902	2	CHRND	233390703	rs2741299	2	233388813	G	T	0.7833	0.0161077	0.0102225	0.115092	-0.833311	0.122038	8.59E-12	-0.0193298	0.0125897	0.1246952	0.841321	12	0.63282784
ENSG00000182600	2	C2orf82	233721980	rs812383	2	233737132	A	C	0.626243	-0.014024	0.00882846	0.112174	0.435246	0.0576578	4.39E-14	-0.0322209	0.0207281	0.1200759	0.1786513	17	0.62616883
ENSG00000085982	2	USP40	234384166	rs62192778	2	234475415	A	G	0.149105	-0.0116882	0.0126571	0.355769	0.786986	0.0784133	1.05E-23	-0.0148519	0.0161509	0.3577997	0.1198596	20	0.81746804
ENSG00000132330	2	SCLY	238969530	rs62196014	2	239010167	G	C	0.162028	-0.0021476	0.012343	0.861869	0.528189	0.0658244	1.02E-15	-0.004066	0.023374	0.8619015	0.5940766	20	0.97828063
ENSG00000144488	2	ESPNL	239008798	rs1562337	2	239008203	C	T	0.620278	0.00303544	0.00824316	0.712695	0.929586	0.0717143	2.00E-38	0.00326537	0.00887114	0.7128069	0.4486781	20	0.93968224
ENSG00000168427	2	KLHL30	239047363	rs1562337	2	239008203	C	T	0.620278	0.00303544	0.00824316	0.712695	0.908186	0.0800216	7.48E-30	0.00334231	0.00908129	0.7128406	0.4363268	20	0.93968224
ENSG00000144485	2	HES6	239146908	rs74605005	2	239140062	T	C	0.33499	-0.004182	0.00884395	0.636306	0.863873	0.0679363	4.82E-37	-0.004841	0.0102446	0.6365389	0.2174843	20	0.91784685
ENSG00000130414	2	NDUFA10	240831867	rs10187574	2	240969312	G	A	0.350895	0.00347243	0.00846234	0.681557	0.48948	0.0574049	1.50E-17	0.00709412	0.0173084	0.6819051	0.7322522	20	0.9275455
ENSG00000063660	2	GPC1	241375088	rs71428440	2	241395538	G	T	0.129225	0.00562969	0.0111253	0.61284	-0.691086	0.0854926	6.29E-16	-0.0081462	0.0161298	0.6135326	0.5389595	20	0.90683002
ENSG00000218416	2	AC110619.2	241388732	rs4268920	2	241392491	G	A	0.549702	-0.009291	0.00813298	0.253292	-0.53938	0.0754986	9.05E-13	0.0172254	0.0152699	0.2592951	0.7453252	15	0.74586579
ENSG00000144504	2	ANKMY1	241418839	rs13394744	2	241461372	A	T	0.178926	0.0004461	0.00909418	0.960877	-0.647545	0.0772351	5.11E-17	-0.0006889	0.0140443	0.9608778	0.5572783	11	0.99596391
ENSG00000178623	2	GPR35	241544848	rs4676411	2	241561088	T	G	0.358847	-0.0006633	0.00840243	0.937084	-0.659349	0.0640876	7.96E-25	0.00100592	0.0127439	0.9370856	0.04494935	4	0.99333365
ENSG00000122085	2	MTERFD2	242011584	rs57117519	2	242033696	C	T	0.0626243	-0.0096859	0.0194081	0.617733	-1.0074	0.0922255	8.93E-28	0.00961474	0.0192856	0.6181005	0.7282739	6	0.90945787
ENSG00000115687	2	PASK	242045514	rs758072	2	242083872	T	G	0.0864811	0.0248481	0.0195064	0.202719	0.791467	0.0971268	3.68E-16	0.031395	0.0249452	0.2081898	0.6920441	13	0.70786449
ENSG00000146205	2	ANO7	242127924	rs62187431	2	242151791	G	C	0.16501	-0.0240993	0.0116479	0.0385469	1.0842	0.127327	1.66E-17	-0.0222277	0.0110559	0.04437984	0.915636	20	0.46349438
ENSG00000115677	2	HDLBP	242166679	rs2302011	2	242393798	G	A	0.299205	0.024442	0.00831313	0.00328027	-0.352197	0.0444732	2.39E-15	-0.0693987	0.0251779	0.00584532	0.03175431	20	0.26570111
ENSG00000168385	2	2-Sep	242254515	rs35533015	2	242191689	A	G	0.102386	-0.0035638	0.0144103	0.80467	0.688998	0.0701066	8.54E-23	-0.0051724	0.0209215	0.80473	0.09540434	20	0.96495736
ENSG00000006607	2	FARP2	242295658	rs9973927	2	242442246	T	C	0.245527	-0.0058171	0.00972214	0.549617	0.842082	0.0649847	2.11E-38	-0.006908	0.0115577	0.5500425	0.08629129	20	0.88133611
ENSG00000207186	2	RNA5SP122	242524383	rs77031298	2	242552379	C	T	0.139165	-0.0150572	0.0112793	0.181894	0.801944	0.123213	7.59E-11	-0.0187759	0.0143577	0.190969	0.9856415	5	0.6894107
ENSG00000168397	2	ATG4B	242576628	rs62190299	2	242607451	C	T	0.233598	-0.0008203	0.00899414	0.927333	-0.384682	0.0482078	1.47E-15	0.00213234	0.0233822	0.9273379	0.233351	20	0.99191324
ENSG00000168393	2	DTYMK	242615157	rs78180829	2	242615172	T	G	0.432406	-0.0003652	0.00843395	0.96546	-0.454446	0.0590194	1.36E-14	0.00080366	0.018559	0.9654601	0.6240271	18	0.99660087
ENSG00000168395	2	ING5	242641450	rs6742813	2	242640987	C	G	0.605368	-0.0042394	0.00839894	0.613734	0.328323	0.0458929	8.42E-13	-0.0129122	0.0256449	0.6146127	0.7500624	10	0.90683002
ENSG00000235351	2	AC114730.11	242664030	rs75921536	2	242642031	T	C	0.49006	-0.0067129	0.00812638	0.408769	0.46685	0.0562287	1.02E-16	-0.0143791	0.0174928	0.4110751	0.5868076	19	0.83688257
ENSG00000180902	2	D2HGDH	242673994	rs6740752	2	242703183	G	A	0.512922	0.00709639	0.00810983	0.381555	-0.6261	0.0680396	3.51E-20	-0.0113343	0.0130114	0.3836963	0.9299914	20	0.82154563
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	0.892938	0.0748799	8.78E-33	0.0197008	0.0104096	0.05841729	0.3247435	20	0.50083362
ENSG00000204099	2	NEU4	242749920	rs3749157	2	242752307	A	C	0.597416	0.00389366	0.00817635	0.633925	-0.365068	0.0512049	1.01E-12	-0.0106656	0.0224467	0.6346791	0.2386979	20	0.91732007
ENSG00000188011	2	CXXC11	242811752	rs4571087	2	242777673	G	C	0.393638	0.015549	0.00894657	0.0822129	-0.450234	0.0694486	8.99E-11	-0.0345354	0.0205726	0.09320906	0.6910972	20	0.58914688
ENSG00000233806	2	AC131097.3	242823514	rs13029176	2	242894697	G	A	0.524851	-0.0047239	0.00855174	0.580678	-0.619498	0.093026	2.75E-11	0.00762543	0.0138517	0.5819734	0.6735955	20	0.89290364
ENSG00000216921	2	AC131097.4	242836136	rs74968453	2	242844219	T	C	0.0715706	0.0332634	0.0191627	0.0825924	0.831998	0.152527	4.90E-08	0.0399801	0.0241702	0.09810578	0.4217899	6	0.59814366
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	0.909517	0.0840042	2.56E-27	0.0161014	0.0097904	0.1000501	0.1620748	20	0.5994087
ENSG00000220804	2	AC093642.5	243030784	rs139036576	2	243064414	T	C	0.0129225	-0.0228462	0.0350496	0.514514	-1.6876	0.238429	1.46E-12	0.0135377	0.0208568	0.5162878	0.5534078	3	0.87176599
ENSG00000224318	3	CHL1-AS2	237441	rs56032805	3	236502	G	A	0.440358	0.016678	0.00822181	0.0425079	-0.55508	0.0825476	1.76E-11	-0.0300461	0.0154712	0.05212923	0.6813724	15	0.49118402
ENSG00000134121	3	CHL1	238279	rs56032805	3	236502	G	A	0.440358	0.016678	0.00822181	0.0425079	-0.541464	0.0774926	2.80E-12	-0.0308017	0.0158114	0.05140612	0.7629286	20	0.48986437
ENSG00000224239	3	AC090044.2	898807	rs9882746	3	595870	A	G	0.0636183	0.0114951	0.0159289	0.470508	0.832966	0.14191	4.37E-09	0.0138002	0.0192671	0.4738323	0.9998909	10	0.85740342
ENSG00000134115	3	CNTN6	1134260	rs13097866	3	1550809	A	T	0.365805	-0.0116925	0.00903871	0.195801	-0.391682	0.069424	1.68E-08	0.029852	0.0236755	0.2073507	0.5358029	4	0.70786449
ENSG00000144455	3	SUMF1	3742498	rs11915920	3	4410534	T	C	0.505964	0.00105435	0.00806786	0.896024	-0.515103	0.0656071	4.12E-15	-0.0020469	0.0156648	0.8960386	0.3943542	8	0.98597578
ENSG00000175928	3	LRRN1	3841121	rs2256225	3	3842877	T	C	0.646123	0.00925484	0.0086937	0.287082	-0.335841	0.0487673	5.71E-12	-0.0275572	0.0261938	0.2927766	0.7837303	3	0.77760108
ENSG00000227110	3	LMCD1-AS1	7994492	rs6799564	3	8556909	C	T	0.50994	0.00746343	0.00810001	0.356836	0.352276	0.0607086	6.52E-09	0.0211863	0.0232814	0.3628178	0.2523684	20	0.81796267
ENSG00000134077	3	THUMPD3	9404526	rs7638655	3	9425376	T	C	0.149105	-0.0138942	0.0120487	0.248843	-0.395479	0.0648853	1.09E-09	0.0351326	0.0310066	0.2571854	0.3639922	11	0.74586579
ENSG00000171148	3	TADA3	9821544	rs293791	3	9831680	C	G	0.11829	-0.0003529	0.00964392	0.970813	0.376985	0.0631367	2.36E-09	-0.000936	0.0255822	0.9708137	0.4098051	8	0.99667023
ENSG00000156990	3	RPUSD3	9879533	rs2290306	3	9885615	C	G	0.05666	0.00311167	0.0184157	0.865822	-0.885027	0.0892122	3.39E-23	-0.0035159	0.0208111	0.8658408	0.658981	5	0.97828063
ENSG00000171135	3	JAGN1	9932238	rs279558	3	9932337	C	G	0.690855	0.00074826	0.00838728	0.928912	-0.344056	0.0628718	4.44E-08	-0.0021748	0.0243809	0.9289217	0.6160555	6	0.99191324
ENSG00000163702	3	IL17RC	9958758	rs279572	3	9952706	G	A	0.552684	-0.004395	0.00814281	0.589374	-0.704527	0.0522885	2.23E-41	0.00623827	0.0115671	0.5896722	0.3875221	20	0.89548788
ENSG00000186162	3	CIDECP	10055932	rs7638846	3	10048601	G	A	0.208748	0.00292567	0.0108659	0.787735	0.442316	0.0697669	2.30E-10	0.00661443	0.0245881	0.787922	0.5437657	12	0.9600829
ENSG00000134070	3	IRAK2	10206549	rs3844284	3	10266057	C	T	0.418489	0.00149228	0.00838719	0.858783	0.48479	0.079429	1.04E-09	0.0030782	0.017308	0.8588422	0.98647	6	0.97828063
ENSG00000157017	3	GHRL	10327359	rs10490816	3	10335172	C	G	0.262425	0.0043928	0.0083303	0.597967	0.591233	0.0925653	1.69E-10	0.0074299	0.0141376	0.5992079	0.7963383	20	0.89978219
ENSG00000240288	3	GHRLOS	10327438	rs35681	3	10329377	C	T	0.539761	0.00454654	0.00810796	0.574967	0.753742	0.0814084	2.07E-20	0.00603196	0.0107767	0.5756673	0.9413991	20	0.89166741
ENSG00000144559	3	TAMM41	11831916	rs9876026	3	11849807	C	A	0.419483	-0.0071937	0.00808536	0.373619	-0.948783	0.0743875	2.94E-37	0.007582	0.00854253	0.3747782	0.6577485	20	0.82033551
ENSG00000157152	3	SYN2	12045876	rs305503	3	11989182	T	C	0.72664	0.0200973	0.00830762	0.0155571	0.257741	0.0428135	1.74E-09	0.0779748	0.0347375	0.02478836	0.3030813	4	0.38644663
ENSG00000132170	3	PPARG	12328867	rs73025230	3	12379911	C	A	0.0964215	-0.0063929	0.0135478	0.637011	1.43505	0.122801	1.50E-31	-0.0044549	0.00944834	0.6372865	0.443204	20	0.91799509
ENSG00000154743	3	TSEN2	12525931	rs299649	3	12538719	C	T	0.501988	0.00221761	0.00806047	0.783222	-0.504027	0.0812333	5.48E-10	-0.0043998	0.0160079	0.7834302	0.7985664	20	0.95999897
ENSG00000075975	3	MKRN2	12598513	rs713178	3	12615984	C	T	0.249503	0.00712811	0.00983403	0.468549	0.386602	0.0604981	1.66E-10	0.0184379	0.0256002	0.4713878	0.8291386	6	0.85740342
ENSG00000144711	3	IQSEC1	12938719	rs4684904	3	13117954	T	C	0.190855	0.00287095	0.0116795	0.805828	0.560506	0.0744681	5.20E-14	0.00512207	0.0208485	0.8059299	0.4482535	12	0.9655724
ENSG00000132182	3	NUP210	13357737	rs352388	3	13494568	A	T	0.4334	0.00108045	0.00809107	0.893769	0.323238	0.0439248	1.85E-13	0.00334258	0.0250354	0.8937868	0.02350722	16	0.98597578
ENSG00000163517	3	HDAC11	13521224	rs2290194	3	13538054	T	C	0.22167	-0.0051222	0.0100559	0.610486	0.288635	0.0502646	9.34E-09	-0.0177464	0.0349763	0.6118852	0.1137487	5	0.90570134
ENSG00000233121	3	VN1R20P	13968310	rs13097822	3	13969396	A	T	0.357853	0.0116297	0.00855732	0.174137	0.570414	0.090509	2.93E-10	0.0203882	0.0153468	0.1840137	0.3403309	8	0.68257032
ENSG00000154767	3	XPC	14186647	rs2279017	3	14190237	G	T	0.596421	-0.0036833	0.008742	0.673515	0.352369	0.0454598	9.10E-15	-0.0104528	0.0248458	0.673969	0.1222482	14	0.92494762
ENSG00000131389	3	SLC6A6	14444076	rs2304510	3	14520560	C	G	0.148111	0.00886916	0.0117044	0.448592	0.586439	0.0609915	6.90E-22	0.0151238	0.0200203	0.4499967	0.9847456	13	0.85417294
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.623494	0.0715077	2.80E-18	0.00785302	0.0131826	0.5513671	0.8243931	9	0.88133611
ENSG00000131379	3	C3orf20	14716606	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	-0.573204	0.0918352	4.33E-10	-0.008542	0.0143709	0.5522484	0.5026328	8	0.88133611
ENSG00000225733	3	FGD5-AS1	14961854	rs1344825	3	15007734	G	A	0.282306	0.00273477	0.0105262	0.795014	-0.3158	0.0445954	1.43E-12	-0.0086598	0.0333543	0.7951482	0.673449	9	0.96137537
ENSG00000224660	3	SH3BP5-AS1	15295691	rs3821639	3	15305666	G	A	0.125249	0.00091006	0.0132623	0.945292	0.733945	0.0929014	2.78E-15	0.00123996	0.0180706	0.9452941	0.6530908	7	0.99338916
ENSG00000206562	3	METTL6	15422782	rs6808404	3	15422806	C	T	0.0487078	0.00393083	0.0211971	0.852882	-0.996863	0.133277	7.45E-14	-0.0039432	0.0212703	0.8529271	0.06993447	6	0.97754318
ENSG00000144597	3	EAF1	15468862	rs6762233	3	15588661	C	T	0.316103	-0.0117578	0.00921786	0.202118	0.862259	0.057204	2.42E-51	-0.013636	0.0107286	0.2037276	0.6712682	20	0.70438329
ENSG00000249786	3	EAF1-AS1	15477678	rs2278962	3	15492786	A	T	0.427435	-0.0178459	0.00849889	0.035747	0.799239	0.0827793	4.68E-22	-0.0223286	0.0108823	0.04018631	0.8713025	20	0.44233003
ENSG00000206561	3	COLQ	15491640	rs989682	3	15564453	A	G	0.282306	-0.014359	0.00953677	0.132157	0.748561	0.0681358	4.45E-28	-0.0191821	0.0128592	0.1357771	0.8444382	20	0.63721248
ENSG00000224728	3	AC090945.1	15919554	rs35811657	3	15905279	G	T	0.595427	0.00802362	0.00825951	0.331329	-0.566381	0.0711494	1.71E-15	-0.0141665	0.0146911	0.3349023	0.7754368	20	0.80238543
ENSG00000131378	3	RFTN1	16355081	rs689691	3	16401146	C	T	0.502982	-0.0052937	0.00814082	0.515522	0.410127	0.0554617	1.42E-13	-0.0129074	0.0199261	0.5171375	0.1410321	20	0.87239215
ENSG00000271964	3	RP11-415F23.2	16355946	rs689716	3	16360345	C	T	0.55666	0.0102645	0.0081976	0.210523	-0.559749	0.0884132	2.43E-10	-0.0183377	0.0149288	0.2193188	0.2420224	7	0.72284625
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	1.14764	0.0772701	6.72E-50	-0.0005547	0.00726106	0.9391072	0.00014449	20	0.99333365
ENSG00000197885	3	NKIRAS1	23933151	rs62255317	3	23936649	A	C	0.382704	0.00436301	0.00872457	0.617017	-0.246917	0.0432417	1.13E-08	-0.0176699	0.0354693	0.6183598	0.4292267	14	0.90945787
ENSG00000272282	3	RP11-222K16.2	27754401	rs72902589	3	27754726	C	G	0.213718	0.0162609	0.0094071	0.0838842	0.687532	0.089558	1.63E-14	0.0236511	0.014025	0.09172697	0.7370572	7	0.58903905
ENSG00000144645	3	OSBPL10	31699382	rs9847964	3	32001194	T	C	0.307157	0.00542507	0.00846036	0.521371	0.733663	0.0904057	4.85E-16	0.0073945	0.0115676	0.5226659	0.1356768	20	0.87256772
ENSG00000197385	3	ZNF860	32023263	rs4544655	3	31975765	C	T	0.482107	-0.0054776	0.00806564	0.497059	0.468046	0.0765577	9.74E-10	-0.0117031	0.0173386	0.4996933	0.09314424	16	0.86521828
ENSG00000153551	3	CMTM7	32433163	rs3913495	3	32443159	C	G	0.372763	-0.0045696	0.00817617	0.576235	0.849269	0.0674208	2.21E-36	-0.0053806	0.00963677	0.5766101	0.01626254	18	0.89169006
ENSG00000091317	3	CMTM6	32522804	rs62250550	3	32440981	A	G	0.316103	-0.0059996	0.00841414	0.475823	0.480477	0.0660658	3.52E-13	-0.0124867	0.017596	0.477931	0.03627468	8	0.85740342
ENSG00000170266	3	GLB1	33038100	rs6780220	3	33087200	C	A	0.133201	9.51E-05	0.010297	0.992629	0.842084	0.102891	2.74E-16	0.00011296	0.012228	0.9926292	0.2651187	20	0.99906546
ENSG00000223899	3	SEC13P1	33075355	rs6780220	3	33087200	C	A	0.133201	9.51E-05	0.010297	0.992629	1.10554	0.113468	1.97E-22	8.60E-05	0.009314	0.9926292	0.2453339	20	0.99906546
ENSG00000170275	3	CRTAP	33155471	rs4678686	3	33158912	A	G	0.857853	-0.0140727	0.0131945	0.286169	0.480491	0.0859175	2.24E-08	-0.0292882	0.0279554	0.2947882	0.3165706	4	0.77761764
ENSG00000153558	3	FBXL2	33318517	rs60670831	3	33503697	C	T	0.23161	0.0126254	0.00915598	0.167917	0.402852	0.0720501	2.25E-08	0.03134	0.0234089	0.1806324	0.512532	10	0.67831927
ENSG00000153560	3	UBP1	33429828	rs4678832	3	33314739	G	A	0.212724	0.0139922	0.00933693	0.133981	0.970241	0.0764537	6.67E-37	0.0144214	0.00969017	0.1366859	0.2994496	20	0.63721248
ENSG00000170248	3	PDCD6IP	33839844	rs4592979	3	33866114	A	G	0.233598	-0.0184016	0.0094551	0.0516297	0.636518	0.0530426	3.55E-33	-0.0289098	0.0150485	0.05471817	0.9084539	20	0.49855845
ENSG00000144681	3	STAC	36421836	rs9881848	3	36234539	G	A	0.122266	0.00448135	0.0109302	0.681809	-0.812267	0.116491	3.11E-12	-0.0055171	0.0134797	0.6823267	0.3492783	15	0.92761836
ENSG00000144668	3	ITGA9	37493606	rs267535	3	37588998	A	G	0.550696	-0.0043871	0.00815739	0.590708	0.687885	0.0756375	9.50E-20	-0.0063777	0.0118794	0.5913556	0.4327338	15	0.89654844
ENSG00000136059	3	VILL	38029550	rs7611147	3	38031372	C	A	0.141153	0.00900858	0.0119197	0.449786	-0.690935	0.101063	8.11E-12	-0.0130382	0.0173566	0.4525346	0.6682854	5	0.85417294
ENSG00000229589	3	ACVR2B-AS1	38492518	rs6780349	3	38555178	A	G	0.390656	0.0123629	0.0081596	0.129738	0.349314	0.0530734	4.65E-11	0.0353919	0.0239699	0.139805	0.08263555	14	0.63721248
ENSG00000157036	3	EXOG	38537618	rs1073506	3	38566235	T	G	0.387674	0.0130314	0.00816288	0.110396	0.443701	0.0538956	1.83E-16	0.0293698	0.01874	0.1170615	0.1555228	20	0.62051212
ENSG00000168026	3	TTC21A	39149152	rs28362645	3	39149218	T	A	0.112326	-0.0024487	0.017447	0.888381	0.814442	0.100831	6.62E-16	-0.0030066	0.0214253	0.8883982	0.2004871	14	0.98448347
ENSG00000168028	3	RPSA	39448180	rs1803893	3	39449137	C	T	0.496024	-0.0020146	0.00812032	0.804067	-0.401886	0.045864	1.91E-18	0.00501274	0.0202136	0.8041436	0.3058156	17	0.96495736
ENSG00000170011	3	MYRIP	39850405	rs1598995	3	39982005	G	A	0.0984095	-0.003242	0.0116687	0.781138	-0.804607	0.0823353	1.48E-22	0.00402925	0.0145082	0.781226	0.7382071	8	0.95999897
ENSG00000230274	3	PGAM1P3	40364206	rs6599100	3	40447362	T	C	0.311133	-0.0103881	0.00833347	0.212564	0.55961	0.0882693	2.30E-10	-0.0185631	0.0151767	0.2212798	0.5680892	20	0.72284625
ENSG00000168032	3	ENTPD3	40428647	rs9874499	3	40441908	T	C	0.301193	-0.0098533	0.00836662	0.238921	-0.446006	0.0735472	1.33E-09	0.0220922	0.0191095	0.2476451	0.8979061	17	0.74131767
ENSG00000177873	3	ZNF619	40518604	rs73073561	3	40357298	T	G	0.313121	-0.0106228	0.0083796	0.204907	0.412604	0.0666701	6.06E-10	-0.0257458	0.0207308	0.2142695	0.2829226	19	0.71470811
ENSG00000168038	3	ULK4	41288090	rs1716984	3	41965532	A	G	0.808151	-0.006167	0.010024	0.538406	-0.942277	0.0922779	1.76E-24	0.00654478	0.0106574	0.5391427	0.5909804	3	0.87676048
ENSG00000230084	3	RP4-613B23.1	42643455	rs68028490	3	42666488	G	A	0.140159	0.00314334	0.012704	0.804576	0.718895	0.119305	1.68E-09	0.00437246	0.0176865	0.8047373	0.6461901	8	0.96495736
ENSG00000010282	3	HHATL	42734155	rs11929390	3	42793337	C	T	0.459245	-0.0117448	0.00807938	0.146037	-0.426995	0.0564141	3.76E-14	0.0275057	0.0192673	0.1534113	0.4660337	10	0.65219838
ENSG00000244607	3	CCDC13	42734155	rs123509	3	42733468	C	T	0.771372	-0.0238684	0.00913712	0.00899518	-0.415666	0.0757473	4.08E-08	0.0574221	0.0243454	0.01834213	0.7228078	6	0.35949739
ENSG00000181061	3	HIGD1A	42798669	rs112042968	3	42860158	G	A	0.217694	0.0273547	0.00915005	0.0027937	-0.470588	0.0516148	7.70E-20	-0.0581288	0.0204625	0.00450076	0.981384	14	0.24661235
ENSG00000144649	3	FAM198A	43020759	rs13087788	3	43089086	A	G	0.437376	0.0183596	0.00808743	0.023199	0.36371	0.0534907	1.05E-11	0.0504787	0.0234425	0.03129527	0.1028092	10	0.41804706
ENSG00000163788	3	SNRK	43328004	rs9822961	3	43272079	T	A	0.795229	-0.0214419	0.00946772	0.0235283	-0.361392	0.057201	2.65E-10	0.0593314	0.0278302	0.03301456	0.5555139	3	0.42178047
ENSG00000144792	3	ZNF660	44619715	rs939649	3	44632212	T	G	0.899602	0.00131379	0.0142605	0.926596	-1.25286	0.0783706	1.59E-57	-0.0010486	0.0113825	0.9265976	0.5777535	20	0.99191324
ENSG00000214820	3	MPRIPP1	44621430	rs7640654	3	44763037	C	A	0.521869	-0.0253834	0.00805524	0.00162622	0.538355	0.0931697	7.55E-09	-0.0471499	0.0170431	0.00566592	0.2411456	10	0.26570111
ENSG00000196653	3	ZNF502	44754135	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.564523	0.0612871	3.23E-20	-0.0475307	0.017975	0.00818676	0.03620662	18	0.28918841
ENSG00000186446	3	ZNF501	44771088	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.63827	0.0922098	4.46E-12	-0.0420389	0.0163953	0.01034486	0.1209756	10	0.31487106
ENSG00000163807	3	KIAA1143	44779153	rs55814136	3	44818055	G	A	0.594433	-0.0275789	0.00810975	0.00067211	-0.42705	0.0491365	3.59E-18	0.06458	0.0203922	0.00154071	0.07823003	19	0.16825689
ENSG00000249992	3	TMEM158	45265958	rs148864127	3	45542305	C	T	0.0168986	-0.0131905	0.0349685	0.706018	1.97847	0.295316	2.09E-11	-0.006667	0.0177025	0.7064602	0.6251099	4	0.93847294
ENSG00000011376	3	LARS2	45429998	rs3821895	3	45587983	G	A	0.333002	-0.0074022	0.0096328	0.442229	-0.363809	0.0665862	4.66E-08	0.0203464	0.0267382	0.4466888	0.08512207	8	0.85417294
ENSG00000144791	3	LIMD1	45596886	rs148864127	3	45542305	C	T	0.0168986	-0.0131905	0.0349685	0.706018	2.44472	0.324034	4.54E-14	-0.0053955	0.0143215	0.7063666	0.6220204	4	0.93847294
ENSG00000244357	3	RN7SL145P	45784167	rs2742375	3	45784602	A	G	0.683897	-0.0067452	0.00849183	0.427014	0.594537	0.0833594	9.88E-13	-0.0113452	0.0143714	0.4298594	0.8973224	9	0.84751306
ENSG00000163827	3	LRRC2	46556913	rs4683259	3	46698538	C	T	0.469185	-0.0115672	0.00811136	0.153853	-0.517299	0.0793232	6.97E-11	0.0223608	0.0160507	0.1635804	0.5139407	11	0.66127026
ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.749204	0.076931	2.06E-22	-0.028278	0.0119803	0.01825612	0.5573461	16	0.35949739
ENSG00000178038	3	ALS2CL	46710487	rs4682825	3	46715001	T	C	0.218688	0.00830234	0.010975	0.449363	-0.625845	0.0934187	2.09E-11	-0.0132658	0.0176477	0.4522313	0.1762427	11	0.85417294
ENSG00000188086	3	PRSS45	46783582	rs57268847	3	46794745	T	A	0.149105	-0.0097795	0.0102912	0.341973	0.919117	0.115231	1.51E-15	-0.0106401	0.011276	0.3453731	0.5348407	19	0.8110906
ENSG00000226074	3	PRSS44	46850849	rs6763025	3	46852049	A	G	0.0238569	-0.0144894	0.0307945	0.637984	1.40847	0.252041	2.29E-08	-0.0102873	0.0219412	0.6391697	0.3786821	4	0.91799509
ENSG00000160801	3	PTH1R	46919236	rs144645644	3	46934290	T	G	0.0159046	-0.000175	0.0291765	0.995215	1.98238	0.187113	3.16E-26	-8.83E-05	0.0147179	0.9952152	0.8789201	4	0.99906546
ENSG00000160796	3	NBEAL2	47021173	rs1466741	3	47247214	T	C	0.394632	-0.0062899	0.00832248	0.449789	0.391191	0.0568681	6.03E-12	-0.0160787	0.0214027	0.4525047	0.2024446	16	0.85417294
ENSG00000164045	3	CDC25A	48198636	rs11715799	3	48255220	G	A	0.290258	-0.0271036	0.00998225	0.006624	0.921276	0.101407	1.04E-19	-0.0294196	0.0113088	0.00928226	0.3975558	19	0.30784117
ENSG00000164048	3	ZNF589	48282590	rs6796490	3	48237104	G	T	0.33002	-0.0245223	0.00961301	0.0107429	0.890124	0.072031	4.44E-35	-0.0275493	0.0110273	0.01247993	0.4297258	20	0.33463472
ENSG00000229759	3	MRPS18AP1	48297840	rs17647717	3	48305456	T	C	0.290258	-0.0276309	0.00998757	0.00566565	1.13235	0.100496	1.90E-29	-0.0244014	0.00908218	0.00721552	0.4694435	20	0.26943294
ENSG00000232112	3	TMA7	48481667	rs7630741	3	48419723	T	G	0.472167	0.00324146	0.00820966	0.692965	-0.478935	0.0520644	3.62E-20	-0.0067681	0.0171573	0.6932328	0.1883621	14	0.93468508
ENSG00000213689	3	TREX1	48506445	rs11797	3	48508585	C	T	0.55666	-0.0041652	0.00825411	0.613827	0.484836	0.0528151	4.32E-20	-0.0085909	0.0170502	0.614361	0.1624235	14	0.90683002
ENSG00000213672	3	NCKIPSD	48701364	rs6792510	3	48723302	C	G	0.647117	-0.0282879	0.00849467	0.00086822	0.456986	0.044004	2.90E-25	-0.061901	0.0195207	0.00151895	0.01214358	20	0.16825689
ENSG00000068745	3	IP6K2	48725436	rs72929172	3	48731961	G	A	0.0646123	0.034796	0.0167667	0.0379586	0.778521	0.0890657	2.31E-18	0.044695	0.0221353	0.0434691	0.1859492	11	0.46194504
ENSG00000178467	3	P4HTM	49027319	rs6769821	3	49244657	A	G	0.760437	-0.0245363	0.00988822	0.0130882	0.359027	0.0522944	6.63E-12	-0.0683411	0.0292854	0.01961538	0.1519202	20	0.35949739
ENSG00000178252	3	WDR6	49044495	rs7626445	3	49114544	T	C	0.659046	-0.0287925	0.00854057	0.00074826	-0.442099	0.0407539	2.04E-27	0.0651268	0.0202296	0.00128467	0.0824196	20	0.16825689
ENSG00000178149	3	DALRD3	49052921	rs6446247	3	49102001	T	A	0.780318	-0.0194884	0.0098173	0.0471324	0.468718	0.0643861	3.34E-13	-0.0415781	0.0217098	0.05546957	0.03590649	20	0.49855845
ENSG00000198218	3	QRICH1	49067140	rs3087866	3	49054692	C	T	0.786282	-0.0209637	0.00981575	0.0327024	-0.41618	0.0503516	1.39E-16	0.0503717	0.02436	0.03865821	0.1162639	20	0.44087342
ENSG00000177352	3	CCDC71	49199968	rs4499638	3	49202782	G	C	0.645129	-0.0323049	0.00856989	0.00016352	-0.473226	0.0521551	1.15E-19	0.0682653	0.0196102	0.00049934	0.00090503	20	0.15576743
ENSG00000233276	3	GPX1	49394609	rs7622786	3	49518551	G	A	0.767396	-0.0174382	0.0100511	0.0827504	-0.312139	0.0508661	8.44E-10	0.0558668	0.033463	0.09501615	0.06595319	13	0.58914688
ENSG00000145020	3	AMT	49454211	rs7622786	3	49518551	G	A	0.767396	-0.0174382	0.0100511	0.0827504	0.722447	0.0557582	2.15E-38	-0.0241377	0.0140368	0.08550398	0.00615401	20	0.56757906
ENSG00000173531	3	MST1	49721380	rs9858213	3	49731861	T	G	0.324056	-0.0210424	0.00820293	0.0103107	0.445112	0.0790552	1.80E-08	-0.0472744	0.0202515	0.01957647	0.138179	4	0.35949739
ENSG00000164068	3	RNF123	49726932	rs10865958	3	49858142	G	A	0.473161	0.019237	0.00841817	0.0223028	0.381628	0.0409355	1.13E-20	0.0504077	0.0227116	0.02645469	0.01265185	20	0.39738637
ENSG00000173540	3	GMPPB	49754277	rs62262722	3	49769419	C	G	0.16004	0.0237903	0.0130644	0.0686072	0.804981	0.0650406	3.50E-35	0.0295539	0.0164042	0.07160743	0.00060412	20	0.52709798
ENSG00000185614	3	FAM212A	49840687	rs10865958	3	49858142	G	A	0.473161	0.019237	0.00841817	0.0223028	0.682014	0.0613939	1.14E-28	0.0282062	0.0126016	0.02520093	0.1429008	20	0.38685001
ENSG00000164078	3	MST1R	49924435	rs4688755	3	50064424	A	G	0.478131	-0.0013272	0.00807174	0.869392	-0.551379	0.0609538	1.48E-19	0.00240713	0.0146416	0.8694137	0.04865814	20	0.97828063
ENSG00000004534	3	RBM6	49977440	rs4688756	3	50040194	A	T	0.519881	0.00152068	0.00807564	0.850638	-0.650711	0.047886	4.67E-42	-0.002337	0.0124117	0.8506521	0.00439895	20	0.97754318
ENSG00000186792	3	HYAL3	50330262	rs2236947	3	50371432	A	C	0.463221	-0.0125375	0.00815596	0.124239	-0.652065	0.0595188	6.24E-28	0.0192274	0.0126304	0.1279322	0.0017503	19	0.63721248
ENSG00000239732	3	TLR9	52255096	rs13076508	3	52407805	C	T	0.0596421	-0.0265919	0.0204959	0.194486	-0.775895	0.139469	2.65E-08	0.0342725	0.0271247	0.2064027	0.6637264	10	0.70730227
ENSG00000164088	3	PPM1M	52279841	rs7618915	3	52279594	A	G	0.353877	-0.0221501	0.00835653	0.00803397	-0.60319	0.0659033	5.56E-20	0.0367216	0.0144232	0.01089601	0.00079496	20	0.31487106
ENSG00000168237	3	GLYCTK	52321105	rs1060330	3	52288945	C	T	0.517893	-0.0246353	0.00808019	0.00229721	-0.47673	0.0645033	1.46E-13	0.0516756	0.0183347	0.00482553	0.02056687	20	0.25644119
ENSG00000114841	3	DNAH1	52350335	rs724801	3	52488517	T	C	0.0984095	0.00144226	0.0174055	0.933961	-0.739772	0.0767559	5.53E-22	-0.0019496	0.0235291	0.9339635	0.1176359	16	0.99333365
ENSG00000163938	3	GNL3	52715172	rs4687648	3	52794367	G	T	0.430417	-0.0292592	0.00817479	0.00034465	-0.596372	0.0604978	6.35E-23	0.049062	0.0145831	0.00076737	0.00278221	20	0.16825689
ENSG00000055955	3	ITIH4	52846991	rs3733047	3	52871929	A	G	0.258449	-0.0394191	0.0092138	1.88E-05	0.902558	0.0885299	2.09E-24	-0.0436749	0.011071	7.98E-05	0.02175148	20	0.07879415
ENSG00000163935	3	SFMBT1	52937588	rs12492391	3	52912296	A	C	0.375746	-0.0402458	0.00843226	1.82E-06	0.414217	0.0744332	2.62E-08	-0.0971612	0.0268188	0.00029134	0.01823957	20	0.12238708
ENSG00000242142	3	SERBP1P3	53098299	rs1864367	3	53111704	C	T	0.597416	0.00306764	0.00816143	0.707014	0.903763	0.0612315	2.66E-49	0.0033943	0.00903343	0.7071038	7.90E-06	20	0.93877015
ENSG00000163933	3	RFT1	53122499	rs1864367	3	53111704	C	T	0.597416	0.00306764	0.00816143	0.707014	-0.953079	0.060423	4.74E-56	-0.0032187	0.00856566	0.7070926	1.96E-05	20	0.93877015

ENSG00000163931	3	TKT	53258723	rs12633001	3	53271047	G	A	0.167992	0.0419468	0.00995068	2.49E-05	0.354255	0.0601349	3.84E-09	0.118408	0.0345398	0.00060765	0.1583366	8	0.1634297
ENSG00000016391	3	CHDH	53846362	rs6445606	3	53856050	T	C	0.690855	0.014536	0.00862392	0.091884	0.566771	0.0788242	6.46E-13	0.025647	0.0156284	0.1007855	0.5953473	20	0.5994087
ENSG00000056736	3	IL17RB	53880607	rs3821867	3	53890787	A	G	0.451292	0.00879231	0.00819994	0.283612	0.649504	0.0703297	2.58E-20	0.013537	0.0127097	0.286837	0.3412224	20	0.77196158
ENSG00000113812	3	ACTR8	53901093	rs4687758	3	53921894	A	G	0.326044	0.00346072	0.00883308	0.695213	-0.408272	0.0512168	1.57E-15	-0.0084765	0.0216614	0.6955618	0.05410867	12	0.9358786
ENSG00000187672	3	ERC2	55542336	rs76332336	3	56200461	C	T	0.0427435	0.0333014	0.0216205	0.123495	1.45592	0.155602	8.23E-21	0.0228731	0.0150499	0.1285575	0.05322227	20	0.63721248
ENSG00000180376	3	CCDC66	56591189	rs11714897	3	56666148	C	G	0.298211	-0.0051305	0.00845578	0.544018	-0.48291	0.0498123	3.18E-22	0.0106242	0.0175443	0.5448047	0.2655379	20	0.87967985
ENSG00000163946	3	FAM208A	56654161	rs6762851	3	56686329	C	T	0.359841	0.00947118	0.00817548	0.246665	-0.219698	0.0391965	2.08E-08	-0.04311	0.0379989	0.256582	0.0641686	8	0.74586579
ENSG00000136068	3	FLNB	57994127	rs3732634	3	58104877	A	G	0.0586481	-0.0188178	0.0143301	0.189125	-0.664975	0.117323	1.45E-08	0.0282985	0.0221206	0.2007984	0.04319654	5	0.70136019
ENSG00000244161	3	FLNB-AS1	58148274	rs2362902	3	58152065	C	A	0.362823	0.00983985	0.00825164	0.233076	0.410317	0.0725032	1.52E-08	0.0239811	0.020552	0.243271	0.7308473	6	0.73716233
ENSG00000163684	3	RPP14	58291974	rs13075007	3	58299442	C	G	0.259443	0.00206169	0.00878617	0.814479	-0.444422	0.0608639	2.84E-13	-0.004639	0.0197801	0.814573	0.9046901	20	0.96637758
ENSG00000168297	3	PXK	58318607	rs4422332	3	58452616	T	G	0.809145	-0.0009972	0.00912443	0.912975	0.477461	0.0669014	9.55E-13	-0.0020885	0.0191126	0.9129857	0.8767071	13	0.98753784
ENSG00000168291	3	PDHB	58413357	rs6796069	3	58332508	T	C	0.363817	-0.0016114	0.0081854	0.843932	0.348033	0.0514724	1.37E-11	-0.0046301	0.023529	0.8439964	0.5151606	15	0.97638016
ENSG00000243384	3	RP11-475O23.2	58558471	rs3792400	3	58561548	T	C	0.535785	-0.0080686	0.00813933	0.321536	0.546527	0.085762	1.86E-10	-0.0147633	0.0150719	0.3273208	0.4479826	8	0.79781449
ENSG00000241472	3	PTPRG-AS1	62246540	rs1881269	3	62309701	A	G	0.38668	0.002802	0.00811677	0.729935	-0.509702	0.082607	6.82E-10	-0.0054973	0.0159494	0.7303408	0.4766257	12	0.94273217
ENSG00000163630	3	SYNPR	63213991	rs2367789	3	63288254	C	A	0.833996	0.00345706	0.0117033	0.767696	-0.403386	0.0593819	1.10E-11	-0.0085701	0.0290401	0.7679075	0.06795668	18	0.95514229
ENSG00000224479	3	AC136289.1	63727969	rs73120888	3	63815326	T	C	0.0725646	0.0207939	0.0191345	0.27716	1.49284	0.153349	2.14E-22	0.0139291	0.0128971	0.2801358	0.4985101	3	0.76652901
ENSG00000163634	3	THOC7	63819546	rs56293138	3	63888935	C	G	0.317097	-0.0118298	0.00880554	0.179125	-0.409856	0.0621471	4.25E-11	0.0288633	0.0219257	0.1880353	0.1396655	17	0.6882977
ENSG00000151276	3	MAGI1	65339200	rs6802722	3	65990618	C	T	0.109344	0.00679557	0.0128531	0.597008	0.406542	0.0614301	3.64E-11	0.0167155	0.0317164	0.5981718	0.28288	8	0.89978219
ENSG00000241316	3	RP11-81N13.1	67705121	rs7646094	3	67672171	C	T	0.576541	0.0215568	0.00870029	0.0132227	-0.475343	0.0831131	1.07E-08	-0.04535	0.019947	0.02299441	0.1888414	10	0.38159045
ENSG00000244026	3	FAM86DP	75470703	rs151208235	3	75400034	G	C	0.0457256	-0.0129437	0.0163504	0.428569	-1.31825	0.163551	7.62E-16	0.00981885	0.0124628	0.4307825	0.8847802	11	0.84751306
ENSG00000272690	3	RP11-803B1.8	75484499	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.46399	0.170587	9.32E-18	0.0117327	0.0105022	0.2639252	0.3430435	14	0.74844633
ENSG00000239959	3	ENPP7P2	75495920	rs57197843	3	75411159	A	T	0.0526839	-0.0125975	0.0154343	0.414384	-1.13202	0.186139	1.19E-09	0.0111283	0.0137565	0.4185446	0.8886732	8	0.83995347
ENSG00000227124	3	ZNF717	75758794	rs35707288	3	75857616	C	A	0.442346	-0.0110313	0.00808251	0.172306	-0.463312	0.070871	6.26E-11	0.0238097	0.0178212	0.1815394	0.4996255	15	0.67831927
ENSG00000239519	3	CADM2-AS1	86041333	rs141343295	3	86093150	T	C	0.413519	0.00238269	0.00827314	0.773344	0.740376	0.0835069	7.58E-19	0.00321822	0.0111801	0.7734606	0.4108718	20	0.95712351
ENSG00000241328	3	RP11-331K15.1	86531093	rs12489320	3	86555149	C	T	0.194831	-0.0061233	0.00953028	0.520546	0.92537	0.0746881	2.97E-35	-0.0066171	0.0103127	0.5211053	0.9682607	20	0.87239215
ENSG00000163320	3	CGGBP1	88101094	rs8274	3	88107179	C	T	0.12326	0.00916312	0.0110021	0.404928	0.376041	0.044291	2.06E-17	0.0243673	0.0293981	0.407176	0.891818	18	0.83505867
ENSG00000231861	3	OR5K2	98216448	rs73144159	3	98245688	G	A	0.11332	-0.0257305	0.0138554	0.0633024	1.11641	0.129332	6.02E-18	-0.0230475	0.0126946	0.06944181	0.3238856	4	0.52169324
ENSG00000080819	3	CPOX	98239976	rs2698315	3	98305373	C	T	0.683897	-0.0043215	0.00874561	0.621214	0.543564	0.0623251	2.75E-18	-0.0079503	0.0161152	0.6217731	0.8254332	9	0.91051849
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.72569	0.0696472	2.02E-25	0.00631181	0.011166	0.5718881	0.6101242	20	0.89010135
ENSG00000114021	3	NIT2	100053545	rs277627	3	100055273	A	G	0.694831	0.00152098	0.00844055	0.856996	-0.494797	0.073428	1.60E-11	-0.003074	0.0170647	0.8570468	0.8276348	6	0.97828063
ENSG00000154174	3	TOMM70A	100082275	rs1561743	3	100084203	G	C	0.255467	0.00311357	0.0100806	0.757424	0.228091	0.0372386	9.06E-10	0.0136506	0.0442517	0.7577205	0.1321496	9	0.95333399
ENSG00000206535	3	LNP1	100120037	rs277650	3	100069692	C	T	0.690855	0.00295334	0.0084526	0.726788	-0.41975	0.0588325	9.70E-13	-0.007036	0.0201614	0.7271029	0.8566803	7	0.94121967
ENSG00000244119	3	PDCL3P4	101431316	rs13069443	3	101373305	T	C	0.328032	-0.0060134	0.0083769	0.472848	0.738869	0.0687707	6.33E-27	-0.0081386	0.0113627	0.4738335	0.03317012	20	0.85740342
ENSG00000114423	3	CBLB	105374305	rs4894962	3	105600699	A	G	0.764414	-0.015628	0.00913619	0.0871626	0.538721	0.0662101	4.07E-16	-0.0290094	0.0173298	0.09413704	0.3294672	20	0.58914688
ENSG00000176040	3	TMPRSS7	111753690	rs3749311	3	111730591	T	G	0.574553	0.0073696	0.0082001	0.368802	-1.02741	0.0796976	5.04E-38	-0.007173	0.0080007	0.3699619	0.2869741	16	0.81816933
ENSG00000114529	3	C3orf52	111805182	rs58468971	3	111728564	G	C	0.422465	-0.0076155	0.00820888	0.353556	0.891453	0.0805704	1.87E-28	-0.0085428	0.00924074	0.3552419	0.3986587	20	0.81746804
ENSG00000261488	3	RP11-757F18.5	111852270	rs3749311	3	111730591	T	G	0.574553	0.0073696	0.0082001	0.368802	-0.81373	0.0805224	5.22E-24	-0.0090566	0.0101169	0.3706868	0.3867845	16	0.81849854
ENSG00000243795	3	RP11-572M11.3	112861197	rs2245698	3	112828278	T	G	0.389662	0.00853135	0.00808166	0.291131	0.603894	0.0811637	1.00E-13	0.0141272	0.0135166	0.2959416	0.9009091	20	0.77863838
ENSG00000144857	3	BOC	112929850	rs79231157	3	112930905	G	T	0.434394	-0.0038774	0.00845068	0.646362	0.643211	0.0912859	1.84E-12	-0.0060281	0.0131661	0.6470584	0.9788222	15	0.92231615
ENSG00000072858	3	SIDT1	113251143	rs62265529	3	113322347	T	C	0.205765	0.00022192	0.00906084	0.98046	0.852652	0.0731405	2.10E-31	0.00026027	0.0106267	0.9804604	0.01915488	6	0.99743376
ENSG00000178075	3	GRAMD1C	113547029	rs7636168	3	113543317	A	T	0.739563	0.00865213	0.00944909	0.359846	0.327294	0.0478103	7.61E-12	0.0264353	0.0291275	0.3641029	0.4603441	4	0.81816933
ENSG00000163389	3	POGLUT1	119187785	rs80141465	3	119227659	C	T	0.0656064	-0.0417648	0.018616	0.0248651	1.35081	0.109221	3.91E-35	-0.0309183	0.0140063	0.02728165	0.1940121	20	0.40045953
ENSG00000144843	3	ADPRH	119298115	rs13324934	3	119298630	T	G	0.0318091	-0.0198958	0.0215009	0.354786	-1.24119	0.148711	7.04E-17	0.0160296	0.017429	0.3577233	0.7650665	6	0.81746804
ENSG00000121577	3	POPDC2	119355304	rs2692618	3	119353844	G	A	0.55666	-0.0036061	0.00852539	0.672309	-0.528119	0.0710775	1.08E-13	0.00682814	0.0161691	0.6728087	0.170836	6	0.92466627
ENSG00000173226	3	IQCB1	121488610	rs7642303	3	121484660	T	G	0.617296	-0.0041998	0.00852681	0.622336	0.644254	0.0665938	3.87E-22	-0.0065189	0.0132523	0.6227867	0.9291594	20	0.91051849
ENSG00000163406	3	SLC15A2	121612936	rs2877569	3	121621382	G	A	0.424453	-0.0062085	0.00817941	0.447827	0.650979	0.0517162	2.47E-36	-0.0095372	0.0125876	0.4486508	0.6175786	20	0.85417294
ENSG00000160124	3	CCDC58	122078438	rs4306808	3	122128466	C	G	0.865805	-0.0026623	0.0169391	0.875114	-0.507687	0.0756081	1.88E-11	0.00524392	0.0333744	0.875147	0.5778086	14	0.97970598
ENSG00000196981	3	WDR5B	122130715	rs4677952	3	122163022	C	T	0.412525	0.00466775	0.00813539	0.566131	0.39423	0.052171	4.14E-14	0.0118402	0.0206956	0.5672462	0.6003868	16	0.88583894
ENSG00000114030	3	KPNA1	122140796	rs6438737	3	122228974	T	C	0.405567	0.00831083	0.00806902	0.303025	0.512562	0.0490954	1.63E-25	0.0162143	0.0158189	0.3053671	0.9021821	20	0.77894167
ENSG00000273033	3	RP11-67L2.2	122605788	rs9875741	3	122607800	T	C	0.7167	0.00758599	0.00851655	0.373071	0.573123	0.0650205	1.20E-18	0.0132362	0.0149356	0.3754981	0.09818105	20	0.82033551
ENSG00000082781	3	ITGB5	124480795	rs2279199	3	124449252	C	T	0.444334	-0.0022506	0.00816238	0.782757	0.220681	0.0365711	1.60E-09	-0.0101984	0.0370258	0.7829784	0.03890861	5	0.95999897
ENSG00000241288	3	RP11-379B18.5	125546081	rs6783770	3	125624761	A	T	0.32505	0.00681301	0.00862756	0.429714	0.58192	0.0828416	2.15E-12	0.0117078	0.0149194	0.432608	0.8210586	12	0.849086
ENSG00000171084	3	FAM86JP	125635463	rs13325495	3	125637416	G	T	0.167992	-0.0178737	0.0141986	0.20809	1.13116	0.100469	2.10E-29	-0.0158012	0.0126305	0.2109199	0.1482604	20	0.71128274
ENSG00000189366	3	ALG1L	125648118	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-1.10726	0.101623	1.21E-27	-0.0155548	0.0080924	0.05458711	0.3953442	20	0.49855845
ENSG00000246022	3	ALDH1L1-AS2	125898908	rs11920156	3	125921293	A	T	0.185885	0.00394141	0.0105411	0.708471	-0.536	0.0818498	5.81E-11	-0.0073534	0.0196983	0.7089246	0.06461415	8	0.93968224
ENSG00000250934	3	RP11-71E19.1	125985639	rs4679115	3	125997198	T	C	0.489066	-0.0001046	0.00808459	0.989681	0.620501	0.0659129	4.78E-21	-0.0001685	0.0130291	0.9896806	0.460476	7	0.9989377
ENSG00000163885	3	CCDC37	126113782	rs4679244	3	126160529	G	A	0.419483	0.00079985	0.00806777	0.921026	-0.554789	0.0854296	8.35E-11	-0.0014417	0.0145437	0.9210348	0.1109144	8	0.98950443
ENSG00000070476	3	ZXDC	126156444	rs777498	3	126189000	A	C	0.61829	0.00790915	0.0082088	0.335298	0.599554	0.0576586	2.52E-25	0.0131917	0.0137502	0.3373639	0.1360483	20	0.80523268
ENSG00000114554	3	PLXNA1	126707437	rs6439036	3	126887375	C	G	0.604374	0.00233057	0.00816396	0.775284	-0.351406	0.042715	1.92E-16	-0.0066321	0.0232463	0.7754152	0.8331481	12	0.95802127
ENSG00000163870	3	TPRA1	127291912	rs2720269	3	127311198	A	G	0.082505	0.00498736	0.0124767	0.689352	-0.927125	0.0778778	1.12E-32	-0.0053794	0.013465	0.6895184	0.9989042	20	0.93186656
ENSG00000187715	3	KBTBD12	127634075	rs7635297	3	127648092	T	C	0.0596421	0.0603076	0.0306807	0.049339	-1.51672	0.155004	1.31E-22	-0.0397619	0.0206324	0.0539606	0.8338979	10	0.49754873
ENSG00000242551	3	POU5F1P6	128393578	rs9813845	3	128399623	C	G	0.664016	-0.0031072	0.00840943	0.711759	-0.639493	0.0893923	8.44E-13	0.00485891	0.0131677	0.7121256	0.7062804	15	0.93968224
ENSG00000261159	3	RP11-723O4.9	128578559	rs789248	3	128580574	C	T	0.351889	-0.0035731	0.00837314	0.669573	0.617503	0.0783441	3.22E-15	-0.0057864	0.0135795	0.6700272	0.3914156	16	0.92466627
ENSG00000231305	3	RP11-723O4.2	128580156	rs2933344	3	128658715	G	A	0.207753	-0.0084174	0.00969978	0.385506	0.676124	0.0887907	2.64E-14	-0.0124495	0.014439	0.3885691	0.2000547	19	0.82295689
ENSG00000177646	3	ACAD9	128598439	rs62265307	3	128662441	T	C	0.0178926	0.00919199	0.0203637	0.651708	1.96514	0.211809	1.73E-20	0.00467752	0.0103747	0.6520921	0.9914309	14	0.92285128
ENSG00000114654	3	EFCC1	128720472	rs900380	3	128724196	T	C	0.272366	-0.0028209	0.00871041	0.74605	-0.586036	0.0656146	4.20E-19	0.00481351	0.014873	0.7462106	0.7219032	12	0.94803543
ENSG00000172780	3	RAB43	128806412	rs139401142	3	129061724	A	G	0.0109344	-0.0057303	0.0266343	0.829653	1.23657	0.196784	3.30E-10	-0.004634	0.0215515	0.8297518	0.6938778	5	0.97070755
ENSG00000270773	3	RP13-685P2.7	129064254	rs9814650	3	129084464	A	G	0.0695825	0.0103033	0.0148734	0.488476	1.40569	0.145281	3.83E-22	0.00732971	0.0106079	0.4895877	0.8619078	13	0.86252211
ENSG00000251474	3	RPL32P3	129101765	rs6789079	3	129180589	A	G	0.16004	0.0252814	0.0155853	0.104776	0.673387	0.0657491	1.29E-24	0.0375436	0.0234331	0.1091202	0.289681	20	0.60983917
ENSG00000172771	3	EFCAB12	129120164	rs2307285	3	129149961	C	T	0.416501	0.00235091	0.00807955	0.771074	-0.437376	0.0698403	3.79E-10	-0.005375	0.0184927	0.7713138	0.1469948	5	0.95603464
ENSG00000163913	3	IFT122	129158968	rs12631122	3	129119518	G	A	0.168986	0.0202512	0.0152781	0.185003	-0.67247	0.0794599	2.61E-17	-0.0301147	0.0229964	0.1903514	0.5716983	20	0.68934009
ENSG00000253540	3	FAM86HP	129817935	rs73866376	3	129828460	C	T	0.0586481	-0.0046868	0.0163199	0.773973	-0.673574	0.121983	3.35E-08	0.00695803	0.0242616	0.7742712	0.7944282	6	0.95712351
ENSG00000228252	3	COL6A4P2	129931666	rs6796054	3	129842995	A	C	0.475149	-0.0108925	0.00810111	0.178764	-1.209	0.0789094	5.51E-53	0.00900951	0.00672642	0.1804337	0.1520949	20	0.67831927
ENSG00000113971	3	NPHP3	132276986	rs66564593	3	132436967	G	A	0.21173	-0.001187	0.00997949	0.905317	-0.97545	0.0723424	1.95E-41	0.00121692	0.0102311	0.9053202	0.9894548	9	0.98738077
ENSG00000260633	3	RP11-375I20.6	134066130	rs2400279	3	134072649	T	C	0.607356	-0.0052909	0.00827668	0.522661	-1.00688	0.0805147	6.96E-36	0.0052547	0.00823086	0.523204	0.7259147	20	0.8730458
ENSG00000129055	3	ANAPC13	134196548	rs7371896	3	134249769	G	C	0.689861	-0.0003214	0.00901526	0.971561	0.517159	0.0487541	2.75E-26	-0.0006215	0.0174324	0.9715607	0.6417157	20	0.99667023
ENSG00000182923	3	CEP63	134204585	rs114108011	3	134256110	C	G	0.028827	-0.0033525	0.0146092	0.818497	1.35128	0.175451	1.34E-14	-0.002481	0.0108162	0.818576	0.6566943	3	0.96809171
ENSG00000154928	3	EPHB1	134316643	rs73229129	3	134547682	G	A	0.0795229	0.0194153	0.0220567	0.378727	-0.514165	0.0871133	3.59E-09	-0.0377608	0.0433725	0.3839638	0.1785218	4	0.82154563
ENSG00000174611	3	KY	134321980	rs4074523	3	134325657	G	T	0.666998	-0.0026992	0.00892289	0.762265	-0.498372	0.0690793	5.41E-13	0.00541611	0.0179198	0.7624677	0.6483274	9	0.95514229
ENSG00000273486	3	RP11-731C17.2	136556180	rs835648	3	136671504	T	A	0.668986	0.00204667	0.00880249	0.816142	0.435748	0.0630801	4.92E-12	0.00469691	0.0202123	0.8162439	0.1400651	14	0.96637758
ENSG00000158220	3	ESYT3	138153428	rs11923795	3	138157182	G	A	0.218688	0.0114611	0.0117094	0.327681	-0.723834	0.0905866	1.34E-15	-0.0158339	0.0162978	0.3312829	0.1510393	10	0.79942417
ENSG00000114115	3	RBP1	139236276	rs73220944	3	139270783	T	C	0.114314	0.00090253	0.0117164	0.938598	0.593274	0.0888875	2.48E-11	0.00152128	0.01975	0.9386024	0.7132354	5	0.99333365
ENSG00000114124	3	GRK7	141496990	rs7635763	3	141468201	C	T	0.116302	0.0003849	0.0148338	0.979299	0.970015	0.150881	1.28E-10	0.0003968	0.0152925	0.9792992	0.9910431	10	0.99743376
ENSG00000174963	3	ZIC4	147103833	rs6766244	3	147121751	T	C	0.252485	0.0243074	0.0106271	0.0221789	-0.357339	0.053183	1.83E-11	-0.0680234	0.0314155	0.03036636	0.1712433	5	0.41039362
ENSG00000239922	3	RP11-71N10.1	147657791	rs78264777	3	147663413	G	C	0.0367793	-0.0041799	0.02073	0.840202	1.52658	0.263842	7.21E-09	-0.0027381	0.0135876	0.8402971	0.0368391	3	0.9750266
ENSG00000241131	3	RP11-639B1.1	147795946	rs4607077	3	147829398	G	A	0.364811	-0.0120667	0.00824278	0.143219	0.720922	0.0811007	6.15E-19	-0.0167379	0.0115877	0.148611	0.01209158	16	0.64805195
ENSG00000071794	3	HLTF	148747914	rs3772569	3	148736576	A	C	0.37674	0.00113823	0.00816529	0.889135	0.469593	0.0523079	2.77E-19	0.00242386	0.0173901	0.8891485	0.00024071	20	0.98509837
ENSG00000114744	3	COMMD2	149456257	rs4681189	3	149481974	A	G	0.418489	0.0189135	0.00829631	0.0226225	0.316825	0.0405645	5.70E-15	0.059697	0.0272785	0.02863836	0.125406	12	0.40752651
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	1.06091	0.0651989	1.56E-59	-0.0127004	0.0103931	0.2217055	0.5457324	20	0.72284625
ENSG00000169860	3	P2RY1	152552736	rs4679989	3	152364694	G	T	0.856859	0.0169251	0.0105776	0.109581	-0.416668	0.0659311	2.62E-10	-0.0406201	0.0261872	0.1208673	0.08948679	5	0.62692666
ENSG00000243069	3	ARHGEF26-AS1	153742190	rs11922984	3	153738630	A	C	0.0934394	-0.0067325	0.015012	0.653811	0.376619	0.0656765	9.78E-09	-0.0178762	0.0399816	0.6547961	0.9285061	13	0.92318646
ENSG00000174953	3	DHX36	153990335	rs187357	3	153958876	A	C	0.865805	0.0136502	0.0105364	0.195136	-0.597815	0.0683999	2.33E-18	-0.0228335	0.0178174	0.2000091	0.3441889	20	0.70112374
ENSG00000174928	3	C3orf33	155480401	rs385529	3	155581325	A	G	0.702783	-0.0082425	0.00950079	0.385633	-0.476446	0.0806388	3.45E-09	0.0173001	0.0201548	0.3906939	0.509398	7	0.82413137
ENSG00000169282	3	KCNAB1	155755490	rs7625266	3	156194770	G	A	0.493042	-0.0113631	0.00808486	0.159881	-0.398877	0.0561047	1.16E-12	0.0284877	0.0206613	0.1679581	0.2484633	11	0.66604728
ENSG00000240875	3	LINC00886	156465135	rs9858861	3	156542637	C	G	0.620278	0.0172562	0.00818163	0.0349317	-0.428521	0.0745398	8.98E-09	-0.0402692	0.0203371	0.04769386	0.1376677	4	0.47948912
ENSG00000197980	3	LEKR1	156543270	rs344072	3	156546675	G	T	0.757455	0.00985039	0.00881142	0.263605	0.704756	0.104319	1.42E-11	0.013977	0.0126728	0.2700646	0.4529057	7	0.75886045
ENSG00000243629	3	LINC00880	156799456	rs61124401	3	156840919	G	A	0.232604	-0.0389809	0.0116108	0.0007871	-0.792441	0.102208	8.96E-15	0.0491909	0.0159666	0.00206405	0.00359196	17	0.19652424
ENSG00000244515	3	KRT18P34	156880452	rs4680345	3	156892521	G	C	0.256461	-0.0165969	0.0106015	0.11746	-0.906917	0.0902116	8.89E-24	0.0183004	0.0118305	0.1218921	0.04157607	20	0.62892331
ENSG00000197415	3	VEPH1	156977531	rs11923106	3	157178395	G	C	0.571571	0.00113234	0.00822491	0.8905	0.563155	0.0737963	2.33E-14	0.00201071	0.0146074	0.8905173	0.2001839	5	0.98547338
ENSG00000163661	3	PTX3	157154578	rs11923106	3	157178395	G	C	0.571571	0.00113234	0.00822491	0.8905	0.445757	0.0686734	8.53E-11	0.00254026	0.0184557	0.8905241	0.1338566	4	0.98547338
ENSG00000174891	3	RSRC1	157823644	rs6767494	3	158101447	A	G	0.242545	-0.0136655	0.00939719	0.145888	-0.331828	0.0501449	3.66E-11	0.0411825	0.0289952	0.1555145	0.1387285	16	0.65547541
ENSG00000168827	3	GFM1	158362067	rs7651847	3	158420588	C	T	0.384692	0.01408	0.00874168	0.10725	-0.693031	0.0504996	7.34E-43	-0.0203166	0.0127003	0.1096664	0.03881054	20	0.61018579
ENSG00000079257	3	LXN	158363611	rs7651847	3	158420588	C	T	0.384692	0.01408	0.00874168	0.10725	0.536953	0.0712289	4.76E-14	0.026222	0.0166476	0.1152282	0.1097209	13	0.61794187
ENSG00000118849	3	RARRES1	158414681	rs6441224	3	158450417	C	T	0.56163	0.00675712	0.00805755	0.40169	0.747208	0.0897182	8.20E-17	0.00904316	0.0108381	0.4040624	0.05437868	8	0.83158332
ENSG00000240207	3	RP11-379F4.4	158450052	rs61794821	3	158460936	G	A	0.220676	0.0197886	0.0103114	0.0549731	0.959562	0.0868612	2.26E-28	0.0206225	0.0109069	0.05865363	0.1605853	20	0.50114059
ENSG00000271778	3	RP11-379F4.8	158500336	rs6441225	3	158470321	G	A	0.360835	0.00312117	0.00820458	0.703636	0.373257	0.0609303	9.01E-10	0.00836199	0.0220234	0.7041781	0.06008087	20	0.93792353
ENSG00000272247	3	RP11-379F4.9	158519046	rs2244996	3	158519446	C	T	0.72167	-0.0201126	0.00842173	0.0169321	-0.857179	0.092471	1.87E-20	0.0234637	0.0101458	0.02074127	0.306378	12	0.36295776
ENSG00000163590	3	PPM1L	160473390	rs7630250	3	160515709	A	T	0.284294	-0.0109876	0.00903585	0.223985	-0.367657	0.0525971	2.75E-12	0.0298855	0.024946	0.2309137	0.2993983	9	0.7275513
ENSG00000196542	3	SPTSSB	161062580	rs899275	3	161042104	C	T	0.457256	-0.005549	0.00815757	0.49636	0.385644	0.0608979	2.41E-10	-0.0143889	0.0212748	0.4988263	0.3216233	20	0.86521828
ENSG00000114204	3	SERPINI2	167159577	rs13088895	3	167145668	A	G	0.410537	0.00166072	0.00807201	0.836995	0.308987	0.0555249	2.62E-08	0.00537472	0.026142	0.8371052	0.7570619	6	0.97276333
ENSG00000163536	3	SERPINI1	167453031	rs2055026	3	167462868	G	T	0.197813	-0.011136	0.00954084	0.243132	0.556124	0.0720909	1.22E-14	-0.0200243	0.0173512	0.2484765	0.8360273	12	0.74249662
ENSG00000171757	3	LRRC34	169511216	rs9882101	3	169548655	A	G	0.398608	0.00338024	0.00821618	0.680769	-0.410831	0.0726495	1.56E-08	-0.0082278	0.0200518	0.6815653	0.6477974	7	0.9275455
ENSG00000239219	3	RP11-379K17.4	169657141	rs9836316	3	169684433	A	G	0.146123	-0.0031074	0.00984406	0.752258	1.11085	0.102024	1.31E-27	-0.0027973	0.00886546	0.7523594	0.8861854	20	0.95244695
ENSG00000075651	3	PLD1	171318195	rs10936700	3	171506698	T	C	0.7167	-0.0083036	0.00982339	0.397951	-0.311079	0.0543297	1.03E-08	0.0266928	0.0319207	0.4030293	0.1257419	8	0.83082996
ENSG00000144959	3	NCEH1	172348039	rs35940383	3	172430904	C	T	0.705765	-0.0085172	0.00947594	0.368747	0.404498	0.0565439	8.45E-13	-0.0210562	0.0236106	0.3724943	0.5068898	10	0.81961753
ENSG00000260743	3	RP11-255C15.3	179058110	rs11718941	3	179034710	A	G	0.166004	0.0216413	0.0126359	0.0867721	-0.5694	0.103683	3.98E-08	-0.0380072	0.0232458	0.1020455	0.00055698	4	0.60248939
ENSG00000171109	3	MFN1	179065480	rs2111534	3	179090772	A	G	0.456262	-0.0026101	0.00803704	0.74536	0.552719	0.0431128	1.26E-37	-0.0047224	0.0145456	0.7454386	0.0002878	20	0.94773165
ENSG00000241231	3	RP11-275H4.1	181138846	rs1479163	3	181177919	C	T	0.687873	0.0256787	0.00868281	0.00310227	0.81727	0.107117	2.35E-14	0.0314201	0.0113944	0.00582436	0.4871159	18	0.26570111
ENSG00000240024	3	LINC00888	183165396	rs6792590	3	183161350	A	G	0.263419	0.00691141	0.00920658	0.452832	-0.521561	0.0645912	6.76E-16	-0.0132514	0.0177281	0.4547739	0.7603189	19	0.85417294
ENSG00000233885	3	YEATS2-AS1	183524245	rs2582092	3	183533623	G	C	0.470179	0.00391466	0.00840521	0.6414	0.729606	0.0505564	3.28E-47	0.00536544	0.0115262	0.6415736	0.6967111	20	0.91912729
ENSG00000180834	3	MAP6D1	183533664	rs263026	3	183526624	A	C	0.471173	0.00404086	0.00836027	0.628854	-0.304874	0.0374051	3.62E-16	-0.0132542	0.0274702	0.6294556	0.78838	20	0.9147988
ENSG00000114770	3	ABCC5	183637722	rs3792585	3	183646222	G	A	0.479125	0.0125087	0.00813778	0.124264	0.50438	0.0486722	3.66E-25	0.0248002	0.0163108	0.1283907	0.5394048	20	0.63721248
ENSG00000161204	3	ABCF3	183903811	rs113961320	3	183932056	G	C	0.0238569	0.0216259	0.0209431	0.30179	1.07934	0.182683	3.46E-09	0.0200362	0.0196977	0.3090657	0.7420379	3	0.78078678
ENSG00000145194	3	ECE2	183967438	rs3752904	3	183996068	T	C	0.530815	0.00253449	0.00805482	0.753024	-0.313213	0.0438107	8.73E-13	-0.0080919	0.0257416	0.7532546	0.869362	5	0.95258055
ENSG00000090539	3	CHRD	184097861	rs9848715	3	184178831	A	T	0.403579	0.012459	0.00863225	0.148934	-0.316468	0.0561081	1.70E-08	-0.0393689	0.0281557	0.1620364	0.3863884	5	0.66025332
ENSG00000156931	3	VPS8	184529931	rs80288863	3	184760314	A	G	0.0487078	-0.0039939	0.0231008	0.862737	1.09952	0.1196	3.81E-20	-0.0036324	0.0210136	0.8627611	0.240002	20	0.97828063
ENSG00000163918	3	RFC4	186507669	rs2293243	3	186522737	T	A	0.277336	0.00322836	0.00826641	0.696137	-0.739404	0.0644475	1.80E-30	-0.0043662	0.0111863	0.6963048	0.8454509	20	0.93608415
ENSG00000232233	3	RP11-573D15.2	186528669	rs34174285	3	186543210	C	T	0.0318091	0.0185294	0.0168907	0.272635	1.41169	0.182214	9.38E-15	0.0131257	0.0120842	0.2773981	0.8869657	3	0.76430333
ENSG00000231982	3	RP11-573D15.1	186544338	rs34174285	3	186543210	C	T	0.0318091	0.0185294	0.0168907	0.272635	1.21356	0.198316	9.40E-10	0.0152686	0.0141402	0.2802296	0.6417854	3	0.76652901
ENSG00000233308	3	OSTN-AS1	190931080	rs9856820	3	190960888	A	C	0.452286	-0.0152628	0.00860425	0.0760852	-0.753556	0.0851674	8.91E-19	0.0202544	0.0116454	0.08198934	0.9114257	4	0.55924915
ENSG00000127249	3	ATP13A4	193119866	rs680211	3	193266459	C	G	0.519881	0.00866321	0.00812269	0.286178	-0.216269	0.038237	1.55E-08	-0.0400576	0.0382202	0.2946047	0.1927174	12	0.77761764
ENSG00000244675	3	AC108676.1	194217046	rs141934938	3	194229008	A	G	0.0397614	-0.0043133	0.0180617	0.811252	1.39749	0.228986	1.04E-09	-0.0030865	0.0129343	0.8113934	0.2673228	3	0.96594546
ENSG00000231770	3	TMEM44-AS1	194304740	rs56852992	3	194307659	T	C	0.115308	0.00844927	0.0135198	0.531999	0.848339	0.10505	6.72E-16	0.00995978	0.0159844	0.5332239	0.2950838	7	0.87557054
ENSG00000041802	3	LSG1	194361517	rs112097663	3	194377712	T	C	0.164016	0.00961277	0.0109398	0.379567	1.38009	0.0902433	8.51E-53	0.00696532	0.00793995	0.3803508	0.3141207	16	0.82033551
ENSG00000173950	3	XXYLT1	194789008	rs55912217	3	194789663	C	T	0.223658	0.00445546	0.0100584	0.657796	0.546883	0.0945753	7.36E-09	0.00814701	0.0184461	0.6587315	0.04109283	14	0.92410154
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.967004	0.0818479	3.28E-32	0.00939894	0.00842407	0.26454	0.4212991	20	0.74876257
ENSG00000271662	3	RP11-141C7.3	195377017	rs56401727	3	195636800	G	C	0.17495	-0.0045788	0.0118013	0.69802	-1.01766	0.0990381	9.09E-25	0.00449937	0.0116048	0.6982252	0.3765054	20	0.93660278
ENSG00000229178	3	AC069513.4	195382436	rs6768928	3	195329888	G	A	0.328032	-0.0076577	0.00929046	0.409793	-0.881695	0.0885321	2.30E-23	0.00868523	0.0105731	0.4113913	0.9278468	20	0.83688257
ENSG00000215837	3	SDHAP2	195384967	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.667618	0.0792032	3.48E-17	0.014315	0.0122432	0.2423169	0.9304112	20	0.73696264
ENSG00000207650	3	MIR570	195426272	rs4927683	3	195663411	C	G	0.286282	0.00914363	0.00894193	0.306517	0.631581	0.104001	1.26E-09	0.0144774	0.0143573	0.3132808	0.3819112	11	0.78530508
ENSG00000176945	3	MUC20	195447753	rs3103934	3	195477088	G	A	0.846918	-0.0012702	0.00980221	0.8969	-0.950854	0.12366	1.48E-14	0.0013358	0.0103103	0.8969149	0.9356278	20	0.98597578
ENSG00000145113	3	MUC4	195473636	rs4927680	3	195659169	G	A	0.362823	0.00833932	0.00831144	0.31569	0.699741	0.0929212	5.06E-14	0.0119177	0.0119828	0.3199478	0.61978	20	0.79066347
ENSG00000273009	3	RP11-352G9.1	195639949	rs9834833	3	195639385	G	C	0.519881	-0.0020617	0.00811356	0.799416	0.435383	0.0727163	2.13E-09	-0.0047353	0.0186522	0.7995925	0.3272246	3	0.96314117
ENSG00000260261	3	RP11-480A16.1	195676059	rs138347437	3	195654298	A	G	0.0725646	0.0179599	0.0171384	0.294668	0.65099	0.101742	1.57E-10	0.0275886	0.0266774	0.3010636	0.9465624	4	0.77863838
ENSG00000185485	3	SDHAP1	195686619	rs1851372	3	195332514	T	C	0.692843	0.00487069	0.00877294	0.578762	0.451172	0.0807248	2.28E-08	0.0107956	0.0195405	0.5806226	0.7040367	14	0.89290364
ENSG00000231464	3	AC024937.4	195723609	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.791532	0.0949812	7.84E-17	0.012074	0.0103289	0.2424214	0.4184244	20	0.73696264
ENSG00000163959	3	SLC51A	195938358	rs4916440	3	195953367	C	T	0.43837	-0.001393	0.00825077	0.865933	-0.576742	0.0887718	8.20E-11	0.0024152	0.0143107	0.8659778	0.05754535	20	0.97828063
ENSG00000161217	3	PCYT1A	195941093	rs72611190	3	196011406	T	C	0.277336	-0.0164019	0.00914322	0.0728316	-0.406916	0.0704097	7.50E-09	0.0403078	0.0235271	0.08666661	0.2564625	11	0.57087976
ENSG00000163964	3	PIGX	196366646	rs3850647	3	196459709	C	T	0.346918	0.0184007	0.00824361	0.0256071	-0.430166	0.0575461	7.71E-14	-0.0427758	0.0199999	0.03245189	0.1475541	8	0.42178047
ENSG00000119227	3	PIGZ	196673214	rs11922888	3	196675994	G	C	0.298211	-0.0098555	0.00953146	0.30114	0.739294	0.0635877	3.03E-31	-0.0133309	0.0129435	0.303044	0.6950225	12	0.77894167
ENSG00000075711	3	DLG1	196769431	rs2060085	3	197235668	C	T	0.17992	-0.0135695	0.0100507	0.176983	-0.575027	0.0643734	4.16E-19	0.023598	0.0176772	0.1818949	0.9850309	20	0.67831927
ENSG00000272989	3	RP13-616I3.1	197232133	rs62282495	3	197224372	T	G	0.308151	0.0115462	0.0088545	0.192237	0.571745	0.0760141	5.41E-14	0.0201947	0.0157178	0.1988528	0.8872526	12	0.70012354

ENSG00000214135	3	AC024560.3	197305084	rs34080757	3	197341573	T	C	0.082505	0.0211572	0.0203557	0.298632	0.534087	0.078707	1.15E-11	0.0396138	0.0385576	0.3042356	0.9924963	7	0.77894167
ENSG00000213519	3	AC132008.1	197307215	rs73891642	3	197346558	C	A	0.0785288	0.0217604	0.0203539	0.285024	-1.36242	0.169844	1.04E-15	-0.0159719	0.0150716	0.2892667	0.1747852	20	0.77325335
ENSG00000249626	3	RP11-496H1.1	197361186	rs200532897	3	197375970	T	C	0.251491	0.0104368	0.0099996	0.296616	-0.813277	0.0743838	7.97E-28	-0.012833	0.0123513	0.2988055	0.8200711	19	0.77863838
ENSG00000273308	3	RP11-496H1.2	197372540	rs201881570	3	197360350	T	A	0.253479	0.0102767	0.00999466	0.303846	-0.601419	0.0884091	1.03E-11	-0.0170874	0.0168072	0.3093099	0.7116768	8	0.78078678
ENSG00000114473	3	IQCG	197615946	rs149967001	3	197635749	G	C	0.173956	-0.0130827	0.0097266	0.178612	0.724652	0.11232	1.11E-10	-0.0180538	0.013711	0.1879283	0.5565089	20	0.6882977
ENSG00000250312	4	ZNF718	124386	rs7678326	4	166811	T	A	0.455268	-0.0095533	0.00812549	0.239707	0.938314	0.0692568	8.11E-42	-0.0101813	0.00869222	0.2414711	0.5933033	20	0.73594668
ENSG00000250892	4	RP11-1365D11.1	195198	rs7678326	4	166811	T	A	0.455268	-0.0095533	0.00812549	0.239707	0.932593	0.0804412	4.45E-31	-0.0102438	0.00875748	0.2421135	0.5983745	20	0.73696264
ENSG00000174227	4	PIGG	492989	rs9884771	4	537212	C	A	0.128231	0.0203082	0.0117228	0.0832089	0.530237	0.081997	1.00E-10	0.0383002	0.0228882	0.09425635	0.7311102	20	0.58914688
ENSG00000242686	4	RP11-1191J2.2	646639	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	-1.18845	0.115559	8.29E-25	0.00675335	0.00926744	0.4661739	0.3255029	20	0.85740342
ENSG00000215375	4	MYL5	667369	rs140698490	4	540052	C	G	0.0159046	-0.0228593	0.0340109	0.501509	2.01584	0.315309	1.62E-10	-0.0113398	0.0169648	0.5038571	0.2501968	4	0.86796708
ENSG00000169026	4	MFSD7	675618	rs79894085	4	660717	A	G	0.135189	-0.0048216	0.0110484	0.662541	0.823339	0.111194	1.32E-13	-0.0058562	0.0134423	0.6630886	0.4565778	20	0.92466627
ENSG00000185619	4	PCGF3	699537	rs10452329	4	716248	C	T	0.302187	0.0124515	0.00872849	0.153713	-0.69297	0.0752842	3.43E-20	-0.0179683	0.0127461	0.1586264	0.538998	11	0.65838318
ENSG00000127419	4	TMEM175	926175	rs73211813	4	975238	T	C	0.154076	0.0223858	0.0164919	0.17466	-0.510221	0.0669149	2.44E-14	-0.0438747	0.0328312	0.1814279	0.04332337	11	0.67831927
ENSG00000145217	4	SLC26A1	972861	rs11936407	4	987276	C	T	0.638171	0.00631186	0.00902571	0.484352	-0.800707	0.0615926	1.22E-38	-0.0078829	0.0112885	0.4849831	0.6700169	20	0.86145166
ENSG00000127415	4	IDUA	980785	rs12645644	4	1054159	A	G	0.756461	-0.0028274	0.00993089	0.775868	-0.340079	0.0609303	2.39E-08	0.00831392	0.0292397	0.7761522	0.838735	3	0.95802127
ENSG00000178222	4	RNF212	1050038	rs10031302	4	1059664	A	G	0.755467	-0.0060374	0.00990532	0.542188	-1.00405	0.123952	5.48E-16	0.00601302	0.00989325	0.543327	0.4641065	20	0.87870113
ENSG00000273179	4	RP11-20I20.4	1161566	rs878323	4	1169813	T	G	0.684891	-0.0006602	0.00852202	0.938252	-0.542663	0.0787069	5.40E-12	0.00121656	0.0157051	0.9382554	0.6844139	9	0.99333365
ENSG00000196810	4	CTBP1-AS2	1243088	rs2878539	4	1243877	T	C	0.406561	-0.0070007	0.00809025	0.386861	0.80556	0.071302	1.34E-29	-0.0086905	0.0100724	0.3882489	0.3458194	20	0.82295689
ENSG00000090316	4	MAEA	1283639	rs11721372	4	1324317	A	C	0.545726	0.00243563	0.00828865	0.768872	0.540587	0.0574737	5.16E-21	0.00450553	0.0153402	0.7689811	0.070889	20	0.95547643
ENSG00000163945	4	UVSSA	1341054	rs3796618	4	1349602	A	T	0.512922	-0.0046973	0.00815186	0.564466	-0.522141	0.0601049	3.72E-18	0.00899617	0.0156467	0.5653202	0.3760736	20	0.88420078
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.85701	0.182707	2.87E-24	-0.009243	0.0130805	0.4798021	0.2971202	20	0.85907573
ENSG00000174137	4	FAM53A	1619642	rs4865459	4	1677986	T	C	0.624254	0.0102961	0.00885202	0.244774	0.486603	0.0814999	2.36E-09	0.0211591	0.0185334	0.2535898	0.9511367	13	0.74586579
ENSG00000168936	4	TMEM129	1717679	rs28528964	4	1756063	C	G	0.441352	0.00427416	0.00845843	0.613338	-0.433477	0.0435875	2.65E-23	-0.0098602	0.0195382	0.6137958	0.9789219	20	0.90683002
ENSG00000013810	4	TACC3	1723227	rs811316	4	1689377	C	T	0.787276	-0.0026646	0.0098738	0.787265	-0.67229	0.0892251	4.89E-14	0.00396342	0.0146962	0.7873989	0.9867718	16	0.9600829
ENSG00000125388	4	GRK4	2965335	rs3021142	4	2977016	G	C	0.375746	0.00594937	0.00814137	0.464927	-0.688383	0.0567211	6.78E-34	-0.0086425	0.0118482	0.4657346	0.2711981	20	0.85740342
ENSG00000188981	4	MSANTD1	3246096	rs3135173	4	3257373	C	T	0.383698	-0.0004347	0.00809859	0.957193	-0.445988	0.0628055	1.24E-12	0.00097471	0.0181593	0.9571938	0.7356066	14	0.99588232
ENSG00000159788	4	RGS12	3294755	rs78139882	4	3287361	T	C	0.213718	0.00682004	0.0113178	0.546779	-0.666163	0.106676	4.25E-10	-0.0102378	0.0170685	0.5486342	0.9854449	15	0.88133611
ENSG00000109758	4	HGFAC	3443614	rs4690096	4	3434336	T	G	0.357853	0.00585079	0.0081821	0.474564	0.495197	0.0681678	3.75E-13	0.0118151	0.0166028	0.4766923	0.2484329	18	0.85740342
ENSG00000175920	4	DOK7	3465033	rs10007119	4	3473066	G	A	0.39662	0.00432845	0.00843928	0.608026	0.673387	0.0747587	2.11E-19	0.00642788	0.0125529	0.6086063	0.2316163	20	0.90367728
ENSG00000261643	4	RP11-529E10.6	3505324	rs13109504	4	3522683	T	C	0.225646	0.00758044	0.00834153	0.363478	-0.414473	0.0710614	5.46E-09	-0.0182893	0.0203684	0.3692253	0.2976938	5	0.81816933
ENSG00000163956	4	LRPAP1	3508103	rs11733064	4	3495283	G	C	0.346918	0.00108613	0.00907141	0.904697	0.53977	0.060414	4.09E-19	0.00201221	0.0168076	0.9047047	0.2982611	20	0.98693278
ENSG00000250986	4	AC141928.1	3760475	rs34314663	4	3709569	C	T	0.377734	0.0128725	0.00818879	0.115957	-0.520172	0.0890216	5.12E-09	-0.0247466	0.0163022	0.129016	0.8398949	7	0.63721248
ENSG00000184160	4	ADRA2C	3768075	rs34314663	4	3709569	C	T	0.377734	0.0128725	0.00818879	0.115957	-0.488414	0.0847544	8.28E-09	-0.0263557	0.0173787	0.1293792	0.7250433	10	0.63721248
ENSG00000251669	4	FAM86EP	3943487	rs6834304	4	3966536	G	A	0.326044	-0.0027381	0.00832088	0.74211	-0.544049	0.0853861	1.87E-10	0.00503278	0.0153147	0.7424404	0.9028513	13	0.94621977
ENSG00000132406	4	TMEM128	4237269	rs34844247	4	4250334	C	T	0.358847	-0.0108997	0.00861589	0.205849	0.401856	0.0583286	5.60E-12	-0.0271234	0.0217987	0.2134014	0.4470487	7	0.71470811
ENSG00000247708	4	STX18-AS1	4543858	rs73207660	4	4707817	G	A	0.186879	0.0195294	0.011599	0.0922359	0.491653	0.0897059	4.24E-08	0.0397219	0.02468	0.1075118	0.7007285	4	0.60962213
ENSG00000109501	4	WFS1	6271576	rs4280818	4	6273802	G	T	0.610338	0.00506942	0.00814449	0.533656	0.905392	0.0688001	1.50E-39	0.00559914	0.0090056	0.5341125	0.6980427	20	0.87557054
ENSG00000013288	4	MAN2B2	6576902	rs7659958	4	6607830	C	T	0.183897	0.0109087	0.0111472	0.327777	-0.322318	0.0520813	6.06E-10	-0.0338445	0.0350142	0.3337467	0.6627637	3	0.80220905
ENSG00000251580	4	RP11-539L10.3	6672452	rs62289364	4	6673300	A	G	0.161034	-0.0039427	0.011301	0.72718	-0.982296	0.127636	1.40E-14	0.00401374	0.0115165	0.727449	0.7606018	14	0.94123984
ENSG00000109519	4	GRPEL1	7060633	rs4689587	4	7067705	T	C	0.764414	3.87E-06	0.00989299	0.999688	-0.628644	0.0709546	8.01E-19	-6.15E-06	0.015737	0.9996881	0.05448296	20	0.999953
ENSG00000196526	4	AFAP1	7760441	rs28437157	4	7874435	A	C	0.444334	0.00365599	0.00818709	0.655196	0.585801	0.0725548	6.81E-16	0.00624101	0.0139972	0.6556882	0.9914992	20	0.92318646
ENSG00000170801	4	HTRA3	8271492	rs6833375	4	8270346	A	G	0.317097	-0.0047869	0.00854422	0.575309	0.367793	0.0637536	7.98E-09	-0.0130152	0.0233403	0.5771001	0.1778137	5	0.89169006
ENSG00000087008	4	ACOX3	8368009	rs62286001	4	8378863	A	C	0.0626243	0.0108501	0.0221853	0.624794	1.01464	0.129851	5.55E-15	0.0106935	0.021908	0.6254706	0.3550066	20	0.91291707
ENSG00000155275	4	TRMT44	8437867	rs2631749	4	8461517	C	T	0.476143	1.49E-05	0.00806691	0.998528	0.441147	0.0560826	3.66E-15	3.37E-05	0.0182862	0.998528	0.2019935	20	0.99973362
ENSG00000205959	4	RP11-689P11.2	8483997	rs1543246	4	8504909	T	A	0.641153	0.00135686	0.00827715	0.869787	-0.492623	0.0619213	1.78E-15	-0.0027544	0.0168058	0.8698149	0.3114324	20	0.97828063
ENSG00000249767	4	ENPP7P10	9080749	rs36114604	4	9057811	A	G	0.277336	0.00104691	0.00928502	0.910227	-0.746244	0.103934	6.97E-13	-0.0014029	0.0124439	0.9102377	0.3262581	20	0.98753784
ENSG00000109684	4	CLNK	10488019	rs4697780	4	10703005	C	G	0.295229	-0.0024077	0.00897371	0.788461	0.752011	0.101236	1.10E-13	-0.0032017	0.0119407	0.7885958	0.3807585	12	0.9600829
ENSG00000273133	4	RP11-799M12.2	15565321	rs13131606	4	15698161	T	C	0.191849	0.00072196	0.0101017	0.943025	0.798473	0.102033	5.05E-15	0.00090417	0.0126518	0.9430271	0.6178578	12	0.99338916
ENSG00000237765	4	FAM200B	15683285	rs35120298	4	15611017	C	T	0.252485	-0.0069436	0.00990931	0.483479	-0.366714	0.0518802	1.57E-12	0.0189347	0.0271544	0.4856158	0.07450733	8	0.86196805
ENSG00000249506	4	ZEB2P1	16362309	rs28827015	4	16404710	G	A	0.28827	-0.0077652	0.0089134	0.383657	0.876461	0.105779	1.17E-16	-0.0088597	0.0102258	0.3862689	0.9616771	12	0.82295689
ENSG00000002549	4	LAP3	17578815	rs3775926	4	17599837	A	G	0.653082	-0.0082705	0.00872101	0.342955	-0.348297	0.0548781	2.20E-10	0.0237456	0.025317	0.3482802	0.3943655	11	0.81281504
ENSG00000118579	4	MED28	17616254	rs34338142	4	17626174	A	T	0.641153	-0.0106385	0.0087203	0.222475	0.410444	0.0454133	1.60E-19	-0.0259195	0.0214387	0.2266609	0.3317175	19	0.72746085
ENSG00000047662	4	FAM184B	17630929	rs4698648	4	17692715	G	C	0.630219	-0.0073331	0.00896945	0.413607	-0.477569	0.0668705	9.22E-13	0.015355	0.0189041	0.4166443	0.7748636	18	0.83844468
ENSG00000163138	4	PACRGL	20697905	rs6858843	4	20739530	G	A	0.513917	8.56E-05	0.00821049	0.991681	-0.382729	0.0644177	2.83E-09	-0.0002237	0.0214525	0.9916807	0.3888604	13	0.99901327
ENSG00000038210	4	PI4K2B	25162263	rs1973604	4	25254363	G	T	0.168986	0.00623509	0.0130573	0.632995	0.790893	0.0913179	4.68E-18	0.00788361	0.0165346	0.6335092	0.09268207	20	0.91718563
ENSG00000168228	4	ZCCHC4	25314407	rs316806	4	25310043	G	C	0.693837	0.00161371	0.00927337	0.861853	-0.313827	0.0523787	2.08E-09	-0.005142	0.0295618	0.8619109	0.895362	3	0.97828063
ENSG00000053900	4	ANAPC4	25378835	rs315682	4	25377192	T	C	0.872763	0.028632	0.013129	0.0291971	-0.606186	0.0687369	1.16E-18	-0.047233	0.0223108	0.03425552	0.1264754	20	0.42178047
ENSG00000248654	4	RP11-302F12.5	25722138	rs28502237	4	25720739	A	G	0.149105	0.00291398	0.0112226	0.795131	0.707106	0.125866	1.93E-08	0.00412099	0.0158881	0.7953452	0.2340072	6	0.96137537
ENSG00000091490	4	SEL1L3	25749055	rs6842854	4	25782591	C	G	0.333002	0.00959475	0.00883861	0.277678	0.353953	0.0436736	5.30E-16	0.0271074	0.0251941	0.2819537	0.3454412	14	0.76662816
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.66281	0.0863039	1.59E-14	0.00339437	0.0123449	0.7833455	0.3360653	20	0.95999897
ENSG00000154274	4	C4orf19	37455563	rs1479766	4	37478442	A	G	0.558648	0.00729956	0.00811596	0.368435	0.562741	0.0770705	2.84E-13	0.0129714	0.0145312	0.3720385	0.3459692	8	0.81938405
ENSG00000065882	4	TBC1D1	37892708	rs11730888	4	37855550	G	T	0.615308	0.00184738	0.00827899	0.823426	0.357693	0.0558712	1.53E-10	0.00516471	0.0231596	0.8235314	0.99027	9	0.96886182
ENSG00000231160	4	RP11-617D20.1	38614322	rs73232890	4	38685041	A	G	0.193837	0.00294035	0.0105402	0.78027	0.923207	0.0996045	1.88E-20	0.00318493	0.0114221	0.7803684	0.7954992	20	0.95994073
ENSG00000174130	4	TLR6	38825336	rs2087465	4	38857079	G	T	0.245527	-0.0152676	0.00842929	0.0701019	-0.664186	0.0786585	3.07E-17	0.0229869	0.0129798	0.07656553	0.5598698	14	0.54633403
ENSG00000197712	4	FAM114A1	38869298	rs56088957	4	38871668	A	G	0.243539	-0.01471	0.00848444	0.0829602	0.645695	0.0984882	5.52E-11	-0.0227817	0.0135917	0.09371035	0.7653721	6	0.58914688
ENSG00000249685	4	RP11-360F5.3	39135533	rs11096976	4	39105497	A	G	0.547714	0.00615967	0.00814024	0.449233	0.890275	0.0958014	1.50E-20	0.00691884	0.00917377	0.4507305	0.4618554	19	0.85417294
ENSG00000134962	4	KLB	39408473	rs17510142	4	39455742	A	G	0.202783	-0.0076235	0.00969772	0.431802	-1.12255	0.103933	3.42E-27	0.00679123	0.00866186	0.433018	0.6400131	20	0.849086
ENSG00000163682	4	RPL9	39455744	rs2125313	4	39458051	G	A	0.67992	0.000294	0.00844844	0.97224	-0.939084	0.0622606	2.09E-51	-0.0003131	0.00899649	0.9722397	0.5857908	20	0.99716385
ENSG00000224097	4	RP11-472B18.1	39481875	rs2276890	4	39460490	G	C	0.32008	-0.0043801	0.00831722	0.598454	0.575656	0.0833689	5.02E-12	-0.0076088	0.0144902	0.5995142	0.689322	12	0.89978219
ENSG00000121892	4	PDS5A	39824483	rs6857477	4	39955811	A	C	0.801193	0.0021705	0.0104284	0.835126	-0.272975	0.0460834	3.15E-09	-0.0079513	0.0382263	0.8352249	0.8437172	7	0.97259615
ENSG00000260296	4	RP11-395I6.3	40168295	rs907356	4	40058876	A	G	0.205765	-0.0019404	0.0098362	0.843617	0.42251	0.063547	2.96E-11	-0.0045925	0.0232906	0.8436847	0.4112945	8	0.9763578
ENSG00000163697	4	APBB2	40812044	rs17528008	4	41220288	A	G	0.303181	0.0134058	0.00834687	0.108254	0.492534	0.0656497	6.26E-14	0.027218	0.0173308	0.116298	0.2743368	7	0.61826457
ENSG00000154277	4	UCHL1	41258430	rs10019509	4	41247773	T	C	0.22167	-0.0237143	0.0104974	0.0238798	-0.46375	0.0768313	1.58E-09	0.051136	0.0241693	0.03436723	0.01197736	5	0.42178047
ENSG00000064042	4	LIMCH1	41361624	rs79296534	4	41658883	C	G	0.114314	0.00418812	0.0161534	0.795425	-0.603233	0.103607	5.80E-09	-0.0069428	0.0268046	0.7956236	0.3214084	12	0.96137537
ENSG00000177752	4	YIPF7	44624086	rs1898864	4	44630548	C	T	0.389662	-0.0009939	0.00851046	0.907028	0.4884	0.0893201	4.55E-08	-0.0020351	0.0174292	0.9070493	0.9478664	9	0.98739107
ENSG00000151806	4	GUF1	44680444	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	-0.652842	0.0740453	1.18E-18	0.0311391	0.0165671	0.06016681	0.6068118	12	0.50428503
ENSG00000163281	4	GNPDA2	44684217	rs62305368	4	44673826	C	T	0.244533	-0.0205483	0.0105638	0.0517547	0.530545	0.0535449	3.83E-23	-0.0387306	0.0202913	0.05629706	0.7163677	12	0.49855845
ENSG00000259959	4	RP11-121C2.2	47842139	rs6826122	4	47916346	G	C	0.977137	-0.0956639	0.0387364	0.013526	-1.09124	0.164825	3.58E-11	0.0876653	0.0378868	0.0206747	0.06994308	12	0.36295776
ENSG00000170448	4	NFXL1	47849257	rs6826122	4	47916346	G	C	0.977137	-0.0956639	0.0387364	0.013526	-1.77681	0.163951	2.29E-27	0.0538403	0.02236	0.01604524	0.3617134	16	0.34725322
ENSG00000163069	4	SGCB	52886872	rs7665231	4	52753118	A	G	0.250497	0.00273615	0.00887908	0.757963	0.268759	0.042075	1.68E-10	0.0101807	0.0330758	0.7582353	0.08137142	9	0.95353589
ENSG00000109189	4	USP46	53457138	rs7668903	4	53224202	G	A	0.55169	-0.0005536	0.008121	0.945653	0.185573	0.0333227	2.56E-08	-0.0029831	0.043765	0.9456575	0.242477	3	0.99338916
ENSG00000128039	4	SRD5A3	56212276	rs11932595	4	56323597	G	A	0.423459	0.0009076	0.00810609	0.910851	0.372668	0.0560315	2.91E-11	0.0024354	0.0217546	0.9108639	0.6758755	9	0.98753784
ENSG00000249700	4	SRD5A3-AS1	56230138	rs36110240	4	56217015	T	C	0.152087	0.00688796	0.0114885	0.548805	0.667203	0.0974351	7.51E-12	0.0103236	0.0172848	0.5503287	0.4046898	14	0.88133611
ENSG00000109265	4	KIAA1211	57036361	rs6836376	4	56932664	G	A	0.306163	-0.0006203	0.00903274	0.945251	-0.474513	0.0647605	2.35E-13	0.00130721	0.0190366	0.9452538	0.7869954	9	0.99338916
ENSG00000157426	4	AASDH	57204456	rs11937997	4	57203072	T	C	0.413519	0.00591925	0.00820091	0.47043	-0.37639	0.0614931	9.31E-10	-0.0157264	0.0219393	0.4734895	0.7935166	7	0.85740342
ENSG00000174780	4	SRP72	57333081	rs79703835	4	57364613	G	A	0.0894632	0.0142288	0.0153813	0.354927	-0.514476	0.0826933	4.92E-10	-0.0276569	0.0302257	0.3601854	0.8694923	6	0.81746804
ENSG00000171476	4	HOPX	57514155	rs6840017	4	57526422	A	G	0.412525	0.0225249	0.00838398	0.00721705	0.320358	0.0498942	1.36E-10	0.0703116	0.0283694	0.013196	0.824426	4	0.33939304
ENSG00000269949	4	RP11-738E22.3	57827093	rs13113032	4	57827119	A	T	0.286282	0.00260725	0.00979536	0.790107	-0.794358	0.0990114	1.03E-15	-0.0032822	0.0123379	0.7902195	0.07922445	20	0.96012471
ENSG00000145241	4	CENPC	68337521	rs355501	4	68388588	C	T	0.900596	0.01606	0.0122881	0.19123	0.467078	0.080087	5.47E-09	0.034384	0.026961	0.2021942	0.9810978	8	0.70197036
ENSG00000033178	4	UBA6	68478370	rs13118157	4	68546025	G	A	0.261431	0.00725646	0.00929555	0.435016	-0.479122	0.0464799	6.47E-25	-0.0151453	0.0194568	0.4363279	0.6716005	17	0.85154044
ENSG00000272626	4	RP11-468N14.13	69766726	rs12505972	4	69754963	C	A	0.266402	0.00508427	0.00858009	0.553471	0.961586	0.106226	1.40E-19	0.00528738	0.00894195	0.5543191	0.1269118	17	0.88133611
ENSG00000163738	4	MTHFD2L	74979891	rs10008940	4	75029614	A	G	0.955268	-0.0029961	0.0284921	0.916252	0.655305	0.108763	1.69E-09	-0.0045721	0.0434858	0.9162649	0.9414842	5	0.98780912
ENSG00000174792	4	C4orf26	76481258	rs2061742	4	76480880	A	G	0.451292	0.00229637	0.00813892	0.777831	0.487333	0.083353	5.02E-09	0.00471212	0.0167204	0.7780825	0.7095271	5	0.95876653
ENSG00000138769	4	CDKL2	76503215	rs66535236	4	76531458	A	G	0.299205	0.00171067	0.00909097	0.850742	0.381276	0.0604237	2.79E-10	0.0044867	0.0238541	0.850807	0.4692887	14	0.97754318
ENSG00000156194	4	PPEF2	76781020	rs113421909	4	76840698	T	C	0.0427435	0.00295102	0.0238779	0.901642	1.10487	0.140076	3.08E-15	0.00267092	0.0216142	0.9016536	0.21285	9	0.9863793
ENSG00000138744	4	NAAA	76831809	rs11931349	4	76860040	A	G	0.425447	-0.0094024	0.00811079	0.246354	0.596915	0.0727949	2.40E-16	-0.0157517	0.013723	0.2510363	0.2207707	15	0.7448346
ENSG00000156219	4	ART3	76932337	rs7693693	4	76997261	T	C	0.0954274	0.0373733	0.0184638	0.0429556	-1.07117	0.111256	6.09E-22	-0.0348902	0.0176138	0.04760953	0.08201691	13	0.47948912
ENSG00000138750	4	NUP54	77035812	rs4859614	4	77013191	G	A	0.301193	-0.0002061	0.00872854	0.981159	0.168661	0.0298423	1.59E-08	-0.0012222	0.0517524	0.9811587	0.7689378	20	0.99756656
ENSG00000189157	4	FAM47E	77135193	rs11933305	4	77200875	G	A	0.408549	-0.0021466	0.00812317	0.79158	-0.737234	0.0635777	4.33E-31	0.00291172	0.0110213	0.7916333	0.718827	20	0.96043886
ENSG00000118804	4	FAM47E-STBD1	77172886	rs78737354	4	77136858	T	C	0.0735586	0.016297	0.0145292	0.262003	-0.594659	0.099809	2.55E-09	-0.0274056	0.024862	0.270328	0.7495577	7	0.75891975
ENSG00000138771	4	SHROOM3	77356253	rs10003456	4	77565949	G	T	0.596421	0.0122773	0.00846589	0.147002	0.739931	0.0599454	5.29E-35	0.0165925	0.0115202	0.1497822	0.724086	20	0.64835856
ENSG00000138758	4	11-Sep	77870856	rs734655	4	77906139	T	C	0.10338	0.0288988	0.0127803	0.0237465	-0.671903	0.0913258	1.88E-13	-0.0430104	0.0198992	0.03066311	0.2929623	8	0.41329609
ENSG00000138764	4	CCNG2	78078304	rs10026646	4	78089514	T	C	0.417495	-0.0002585	0.00834701	0.975292	0.308755	0.0452773	9.15E-12	-0.0008373	0.0270347	0.9752927	0.1818827	9	0.99743145
ENSG00000138767	4	CNOT6L	78634541	rs12510593	4	78670166	C	T	0.871769	-0.0124036	0.0109196	0.255995	0.555182	0.0579579	9.79E-22	-0.0223415	0.0198063	0.2593202	0.5167648	20	0.74586579
ENSG00000163291	4	PAQR3	79808281	rs4246709	4	79851880	T	G	0.869781	-0.0059009	0.0119349	0.621006	-0.433259	0.0696899	5.07E-10	0.0136199	0.0276338	0.6221043	0.36921	6	0.91051849
ENSG00000152784	4	PRDM8	81105033	rs35556069	4	81130965	T	C	0.27336	-0.0011535	0.00852974	0.892431	0.261139	0.0477669	4.58E-08	-0.0044171	0.0326736	0.8924633	0.3612091	3	0.98597578
ENSG00000138670	4	RASGEF1B	82347547	rs12648953	4	82779182	T	C	0.384692	-0.0113683	0.00823679	0.167528	0.510767	0.0921788	3.01E-08	-0.0222573	0.016619	0.1804844	0.4836433	15	0.67831927
ENSG00000251022	4	THAP9-AS1	83814162	rs72927138	4	83931687	G	A	0.262425	-0.0189262	0.00930927	0.0420475	-0.465292	0.0423246	4.11E-28	0.040676	0.0203466	0.04559208	0.7998146	19	0.46900462
ENSG00000145287	4	PLAC8	84011201	rs11937448	4	84186493	C	T	0.315109	0.0108284	0.00923567	0.241014	-0.534317	0.0830347	1.24E-10	-0.0202659	0.0175696	0.2487199	0.4696542	16	0.74249662
ENSG00000213608	4	SLC25A14P1	84398677	rs6854739	4	84367759	T	A	0.487078	0.00679002	0.00804563	0.398704	0.541571	0.0982826	3.58E-08	0.0125376	0.0150293	0.4041617	0.553218	4	0.83158332
ENSG00000180769	4	WDFY3-AS2	85887538	rs9790649	4	85953983	C	T	0.357853	-0.0082867	0.00897091	0.355628	0.516287	0.0572719	1.97E-19	-0.0160505	0.0174668	0.35814	0.09340303	20	0.81746804
ENSG00000273389	4	RP13-514E23.2	86921480	rs11724577	4	86912850	G	C	0.222664	0.00711228	0.00955587	0.456704	0.689796	0.107642	1.47E-10	0.0103107	0.0139463	0.4597163	0.8689675	3	0.8565704
ENSG00000172493	4	AFF1	87856154	rs13116147	4	87832836	G	C	0.193837	-0.0047378	0.011365	0.676767	-0.940716	0.105325	4.20E-19	0.0050364	0.0120944	0.6770992	0.7678928	20	0.92610213
ENSG00000170509	4	HSD17B13	88224941	rs10433879	4	88231140	C	G	0.251491	-0.0050529	0.00972387	0.603319	0.989493	0.0805153	1.03E-34	-0.0051065	0.0098359	0.6036417	0.8209553	20	0.90215174
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	0.93899	0.0811426	5.71E-31	-0.0144872	0.00880675	0.09996839	0.292543	20	0.5994087
ENSG00000177432	4	NAP1L5	89617066	rs8605	4	89617387	G	A	0.136183	-0.0143557	0.0102781	0.162496	0.255846	0.0450073	1.31E-08	-0.0561107	0.0413679	0.1749771	0.8534588	4	0.67151653
ENSG00000185477	4	GPRIN3	90157537	rs4693990	4	90208148	A	G	0.649105	-0.0065653	0.00844397	0.436856	-0.340416	0.0407572	6.70E-17	0.0192861	0.0249121	0.4388325	0.6637858	10	0.85341858
ENSG00000247775	4	RP11-67M1.1	90757559	rs2301135	4	90758389	C	G	0.485089	0.00917704	0.0081332	0.259175	-0.736295	0.0833316	9.95E-19	-0.0124638	0.0111358	0.2630319	0.9086283	20	0.74743168
ENSG00000138722	4	MMRN1	90800683	rs116370523	4	90846066	A	G	0.0407555	0.00868592	0.0189722	0.647079	1.61319	0.281472	9.97E-09	0.00538431	0.0117981	0.6481241	0.9505981	11	0.92239093
ENSG00000260641	4	RP11-1299A16.3	99580055	rs28591094	4	99556965	T	C	0.259443	0.0120572	0.0101214	0.233551	0.558381	0.0745539	6.91E-14	0.0215931	0.0183542	0.2394072	0.1256277	10	0.73355309
ENSG00000164024	4	METAP1	99916771	rs7684735	4	99991506	T	C	0.125249	0.010546	0.0141953	0.457528	0.575935	0.0917888	3.51E-10	0.0183111	0.0248196	0.4606551	0.6842744	6	0.8565704
ENSG00000197894	4	ADH5	99992132	rs13107558	4	100050200	A	C	0.301193	0.00912984	0.00898889	0.309782	0.372448	0.0582365	1.60E-10	0.0245131	0.0244371	0.3158082	0.1005107	13	0.7873339
ENSG00000109270	4	LAMTOR3	100799493	rs2276939	4	100870375	G	T	0.258449	0.0050671	0.00930343	0.585995	-0.300329	0.0424782	1.55E-12	-0.0168718	0.0310692	0.5871025	0.3753566	20	0.89548788
ENSG00000254531	4	AP001816.1	102268937	rs2850326	4	102264575	C	T	0.293241	0.0197613	0.0082669	0.0168295	-0.35612	0.0612517	6.10E-09	-0.0554906	0.0250993	0.02704661	0.00605031	9	0.40033671
ENSG00000109323	4	MANBA	103552660	rs223492	4	103675108	C	G	0.351889	-0.005919	0.00829102	0.475289	-0.417867	0.0644066	8.70E-11	0.0141647	0.019961	0.4779416	0.4703385	17	0.85740342
ENSG00000230069	4	LRRC37A15P	103648431	rs223492	4	103675108	C	G	0.351889	-0.005919	0.00829102	0.475289	-0.774276	0.0767016	5.83E-24	0.00764451	0.0107348	0.4763895	0.440541	20	0.85740342
ENSG00000248971	4	KRT8P46	103649903	rs223492	4	103675108	C	G	0.351889	-0.005919	0.00829102	0.475289	-0.622482	0.0812683	1.87E-14	0.00950864	0.013377	0.4771962	0.6538065	20	0.85740342
ENSG00000251288	4	RP11-10L12.2	103672558	rs223489	4	103680984	G	A	0.356859	-0.006118	0.00828316	0.460143	-0.508412	0.0918204	3.08E-08	0.0120336	0.0164365	0.4640912	0.7660078	6	0.85740342
ENSG00000145354	4	CISD2	103790135	rs223362	4	103769234	C	T	0.49006	-0.0125769	0.00808802	0.119947	-0.262463	0.0406652	1.09E-10	0.0479188	0.0316976	0.1305982	0.8683596	12	0.63721248
ENSG00000138777	4	PPA2	106290234	rs2636732	4	106336855	T	C	0.643141	-0.0076079	0.00811759	0.348651	0.296944	0.0478218	5.32E-10	-0.0256206	0.0276467	0.3540756	0.6942799	12	0.81725966
ENSG00000155016	4	CYP2U1	108852525	rs138488429	4	108881989	C	T	0.642147	0.00210019	0.00821064	0.798114	-0.355788	0.0567606	3.65E-10	-0.0059029	0.0230965	0.7982782	0.4868848	10	0.96314117
ENSG00000234492	4	RPL34-AS1	109459346	rs72664360	4	109524940	A	T	0.315109	-0.0100692	0.00846907	0.234464	-0.688722	0.107212	1.33E-10	0.0146201	0.0125056	0.24237	0.3041871	5	0.73696264
ENSG00000138794	4	CASP6	110609785	rs11728699	4	110649891	T	G	0.530815	0.00666182	0.00808285	0.40983	0.537259	0.0704094	2.34E-14	0.0123996	0.0151321	0.4125435	0.8660163	18	0.83754804
ENSG00000109534	4	GAR1	110736666	rs11937249	4	110755321	T	G	0.641153	-0.0107127	0.00819304	0.191029	0.452101	0.0715037	2.57E-10	-0.0236954	0.0185056	0.2003891	0.04416559	8	0.70112374
ENSG00000180245	4	RRH	110749150	rs10365	4	110745854	G	C	0.647117	-0.0110425	0.00819385	0.177768	0.784256	0.0875927	3.45E-19	-0.0140802	0.0105656	0.1826481	0.08913345	19	0.67900374
ENSG00000183423	4	LRIT3	110769358	rs2347133	4	110791543	T	C	0.148111	0.011776	0.0110887	0.288244	-0.8574	0.116209	1.61E-13	-0.0137345	0.0130662	0.2931902	0.4591229	14	0.77761764
ENSG00000145365	4	TIFA	113195698	rs28585013	4	113176277	A	G	0.496024	0.021367	0.0080852	0.00822413	-0.473688	0.0514126	3.16E-20	-0.0451077	0.0177569	0.01107588	0.3727543	20	0.31487106
ENSG00000138658	4	C4orf21	113460492	rs78940827	4	113558640	A	C	0.117296	0.0271498	0.0126223	0.0314804	0.696062	0.0921827	4.32E-14	0.0390049	0.0188553	0.03857929	0.07640942	10	0.44087342
ENSG00000180801	4	ARSJ	114821440	rs112256279	4	115149983	T	C	0.0606362	-0.0104223	0.0122802	0.396046	-0.892124	0.13441	3.19E-11	0.0116826	0.0138772	0.3998701	0.9303301	4	0.82963504
ENSG00000164100	4	NDST3	118954773	rs62325864	4	118694458	A	C	0.132207	0.0165618	0.0137215	0.227434	0.904724	0.126115	7.30E-13	0.0183059	0.0153797	0.2339416	0.8870776	13	0.7275513
ENSG00000164099	4	PRSS12	119201193	rs13145902	4	119282478	A	C	0.636183	-0.0089953	0.00814961	0.269694	-0.551055	0.0900807	9.51E-10	0.0163237	0.0150279	0.277378	0.170217	16	0.76430333
ENSG00000260404	4	RP11-384K6.6	119512928	rs6811780	4	119485345	T	C	0.385686	0.00745489	0.00809708	0.357213	-0.489334	0.065316	6.79E-14	-0.0152348	0.0166716	0.3608146	0.02343382	17	0.81746804
ENSG00000249244	4	RP11-548H18.2	120312986	rs878375	4	120237574	C	T	0.5666	-0.0174975	0.00805229	0.029781	0.569182	0.0913399	4.62E-10	-0.0307415	0.0149826	0.04018789	0.5159342	16	0.44233003
ENSG00000245958	4	RP11-33B1.1	120375946	rs10023569	4	120323316	T	C	0.284294	-0.0147823	0.00932558	0.112936	-0.879255	0.0671413	3.49E-39	0.0168123	0.0106836	0.1155688	0.8319761	11	0.61814955
ENSG00000164111	4	ANXA5	122589110	rs28651243	4	122618166	G	A	0.180915	0.020417	0.0116801	0.0804618	0.645839	0.0570459	1.03E-29	0.0316131	0.0182995	0.08406974	0.05571885	20	0.56578194
ENSG00000164112	4	TMEM155	122680088	rs73844290	4	122677963	G	A	0.084493	0.0094406	0.0143898	0.511783	1.42488	0.112259	6.48E-37	0.00662554	0.0101124	0.5123472	0.4864902	11	0.87006491
ENSG00000138686	4	BBS7	122745595	rs2271176	4	122791601	C	G	0.358847	0.00911396	0.00817015	0.264628	0.322088	0.0467044	5.34E-12	0.0282965	0.0256959	0.2708071	0.2982243	3	0.75891975
ENSG00000181004	4	BBS12	123653857	rs309377	4	123676353	A	G	0.321074	-0.0017901	0.00885008	0.839705	0.565767	0.0761472	1.09E-13	-0.003164	0.0156484	0.8397638	0.5817535	15	0.97484049
ENSG00000145375	4	SPATA5	123844229	rs45565835	4	123796735	G	A	0.16998	-0.0125841	0.0120935	0.298076	0.561327	0.0888527	2.66E-10	-0.0224185	0.0218348	0.3045463	0.1621762	12	0.77894167
ENSG00000151470	4	C4orf33	130014472	rs2597836	4	129904130	G	A	0.810139	-0.0009003	0.0112965	0.936476	0.59902	0.0679724	1.22E-18	-0.001503	0.0188591	0.9364782	0.7333612	17	0.99333365
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.32878	0.120481	2.77E-28	-0.0070861	0.0107229	0.5087186	0.4063717	10	0.86831771
ENSG00000137463	4	MGARP	140187317	rs6536006	4	140166066	A	G	0.188867	-0.0057152	0.0102377	0.576674	0.642616	0.0960971	2.28E-11	-0.0088936	0.0159867	0.577996	0.5804858	14	0.89169006

ENSG00000273247	4	RP11-83A24.2	140333081	rs13148873	4	140185798	C	T	0.261431	-0.0016833	0.00936658	0.857376	-0.44858	0.0739467	1.31E-09	0.00375255	0.0208897	0.8574378	0.5421494	6	0.97828063
ENSG00000085871	4	MGST2	140586922	rs8192024	4	140592641	A	C	0.316103	0.00921768	0.00853935	0.280394	-0.421476	0.0661902	1.92E-10	-0.02187	0.0205496	0.2872143	0.9767335	5	0.77196158
ENSG00000153132	4	CLGN	141309609	rs6852397	4	141348748	T	G	0.0775348	-0.0097905	0.0143991	0.496544	-0.410071	0.0729125	1.86E-08	0.0238751	0.0353694	0.4996615	0.4157682	7	0.86521828
ENSG00000164167	4	LSM6	147096837	rs17021106	4	147055618	G	A	0.34493	0.00597804	0.0085799	0.485959	0.462752	0.0737901	3.58E-10	0.0129185	0.0186551	0.4886306	0.1310799	11	0.86252211
ENSG00000250673	4	RP11-6L6.2	147145709	rs16998674	4	147137951	G	A	0.342942	0.0173797	0.00862261	0.043843	0.876099	0.0791805	1.86E-28	0.0198376	0.010004	0.04737159	0.04213454	15	0.47948912
ENSG00000109686	4	SH3D19	152023903	rs1372977	4	152452398	A	G	0.527833	-0.000855	0.00805789	0.9155	-0.592795	0.058059	1.78E-24	0.00144227	0.0135938	0.9155048	0.9321425	18	0.98780912
ENSG00000164142	4	FAM160A1	152330368	rs56301462	4	152452128	G	T	0.526839	-0.0008688	0.00805731	0.914131	-0.901081	0.0673484	7.98E-41	0.00096419	0.00894212	0.9141339	0.9627592	20	0.98780912
ENSG00000059691	4	PET112	152591656	rs9996320	4	152610587	G	T	0.373757	0.00522666	0.0083942	0.533513	-0.596964	0.0619162	5.34E-22	-0.0087554	0.0140908	0.5343648	0.6964849	20	0.87557054
ENSG00000251455	4	RP11-164P12.3	152595635	rs4263379	4	152399131	A	G	0.529821	-0.0010168	0.00805159	0.899506	-0.703887	0.06842	8.00E-25	0.00144455	0.0114396	0.8995134	0.810424	20	0.98623954
ENSG00000164144	4	ARFIP1	153701089	rs12501089	4	153662218	T	C	0.415507	-0.0067067	0.00808334	0.406714	0.367032	0.0588656	4.52E-10	-0.0182727	0.0222177	0.410826	0.3595704	13	0.83688257
ENSG00000137462	4	TLR2	154622652	rs1339	4	154631563	C	T	0.227634	0.016347	0.00903716	0.0704726	-0.46645	0.0843342	3.18E-08	-0.0350456	0.0203841	0.08556765	0.5308051	8	0.56757906
ENSG00000164125	4	FAM198B	159045626	rs7384	4	159045843	G	A	0.2833	-0.0021296	0.00895817	0.81209	0.248782	0.0440421	1.62E-08	-0.0085602	0.03604	0.8122532	0.5921288	6	0.96594546
ENSG00000248429	4	RP11-597D13.9	159091904	rs2346321	4	159087377	T	C	0.848907	-0.0122495	0.0110606	0.268083	0.621424	0.0690103	2.16E-19	-0.019712	0.0179329	0.2716776	0.547766	15	0.76000376
ENSG00000171503	4	ETFDH	159593277	rs11559290	4	159601676	T	C	0.863817	0.0186238	0.01518	0.219876	0.923309	0.0755244	2.28E-34	0.0201707	0.0165234	0.2221872	0.1063626	16	0.72284625
ENSG00000271817	4	U3	159621843	rs17843919	4	159638966	G	A	0.291252	-0.0075167	0.00907942	0.407735	0.565185	0.0855917	4.02E-11	-0.0132996	0.0161903	0.4113868	0.2461926	5	0.83688257
ENSG00000145416	4	1-Mar	164445450	rs12508980	4	164465746	G	A	0.612326	-0.0025625	0.00843927	0.761398	-0.72411	0.076655	3.51E-21	0.00353887	0.0116607	0.7615189	0.1944764	16	0.95514229
ENSG00000273449	4	RP11-218F10.3	164450923	rs958855	4	164451641	G	A	0.580517	-0.0075382	0.00830091	0.363819	-0.789562	0.071093	1.17E-28	0.00954727	0.0105484	0.3654167	0.1931503	16	0.81816933
ENSG00000250486	4	FAM218A	165878100	rs13141120	4	165913175	A	C	0.16004	0.00705718	0.0111424	0.526496	-0.611894	0.0842963	3.90E-13	-0.0115333	0.0182789	0.5280632	0.4207928	9	0.87557054
ENSG00000145439	4	CBR4	169784921	rs6553399	4	169935372	T	C	0.747515	0.0172021	0.0110785	0.120484	-0.318412	0.0556301	1.04E-08	-0.0540247	0.0360505	0.1339821	0.6272958	6	0.63721248
ENSG00000137601	4	NEK1	170314426	rs10520157	4	170533736	T	G	0.130219	0.0131951	0.0134642	0.327079	0.54201	0.0760335	1.01E-12	0.0243448	0.0250749	0.3316071	0.7317003	13	0.79969754
ENSG00000198948	4	MFAP3L	170907748	rs1904823	4	170956772	T	C	0.252485	-0.0214514	0.00938696	0.0222992	0.335994	0.0579176	6.58E-09	-0.0638446	0.0300274	0.03348548	0.08482024	6	0.42178047
ENSG00000109576	4	AADAT	170981373	rs138724458	4	171132372	A	T	0.0815109	0.00481253	0.0169268	0.77617	-0.656118	0.117621	2.43E-08	-0.0073349	0.0258319	0.776452	0.6758366	11	0.95802127
ENSG00000245213	4	RP11-10K16.1	174053079	rs3733477	4	174090004	A	G	0.701789	0.0115148	0.00902424	0.201962	-0.595	0.0663898	3.18E-19	-0.0193526	0.0153197	0.2065006	0.7202706	20	0.70730227
ENSG00000109586	4	GALNT7	174089904	rs62341096	4	174094196	G	T	0.175944	0.0199696	0.0104497	0.0560015	-0.43192	0.0581777	1.14E-13	-0.0462345	0.0249823	0.06421371	0.4998707	15	0.50845953
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.31738	0.0479678	3.68E-11	0.00058888	0.0258063	0.9817945	0.5826906	13	0.99756656
ENSG00000164107	4	HAND2	174446120	rs12502428	4	174357592	A	G	0.651093	-0.0124718	0.00827528	0.131782	0.695465	0.0890286	5.64E-15	-0.017933	0.0121183	0.1389198	0.2447814	13	0.63721248
ENSG00000237125	4	HAND2-AS1	174448421	rs12505328	4	174378004	T	C	0.637177	-0.012669	0.00823389	0.123893	0.68673	0.0868283	2.59E-15	-0.0184483	0.0122148	0.1309602	0.2919463	15	0.63721248
ENSG00000261672	4	RP11-475B2.1	174514823	rs13117656	4	174363507	G	T	0.543738	-0.0144446	0.00807304	0.0735766	0.528821	0.0886452	2.44E-09	-0.0273147	0.015938	0.0865627	0.2957027	10	0.57087976
ENSG00000248174	4	RP11-148L24.1	175015811	rs75632645	4	175040059	C	T	0.105368	0.017567	0.0137513	0.201435	1.52335	0.129502	6.04E-32	0.0115318	0.00908009	0.2040804	0.8818352	10	0.70511946
ENSG00000249106	4	RP11-806K15.1	176711458	rs78640136	4	176721419	G	A	0.0447316	0.0536789	0.0178709	0.0026671	-0.923372	0.152292	1.33E-09	-0.0581336	0.0215987	0.00711254	0.1690964	5	0.2675694
ENSG00000164122	4	ASB5	177134824	rs2046263	4	177151403	A	C	0.472167	-0.0020442	0.00807894	0.800244	0.818088	0.0848654	5.43E-22	-0.0024988	0.00987879	0.8003108	0.8391125	20	0.96354591
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.787344	0.0638276	5.83E-35	-0.0064117	0.0104993	0.541415	0.584731	10	0.87809147
ENSG00000168564	4	CDKN2AIP	184365744	rs4241775	4	184384311	A	G	0.815109	0.00081559	0.0123777	0.947464	0.356105	0.0571702	4.70E-10	0.0022903	0.0347605	0.947467	0.7578319	12	0.99338916
ENSG00000164306	4	PRIMPOL	185570767	rs12108497	4	185571557	T	C	0.291252	-0.0099329	0.008665	0.251659	0.41597	0.0666346	4.30E-10	-0.023879	0.0211791	0.2595409	0.6186298	7	0.74586579
ENSG00000151725	4	MLF1IP	185615772	rs7680323	4	185652871	T	A	0.690855	0.0110145	0.00878932	0.210143	0.415801	0.076227	4.90E-08	0.0264898	0.0216889	0.2219528	0.5779667	11	0.72284625
ENSG00000151726	4	ACSL1	185676749	rs56226652	4	185748702	A	G	0.253479	0.00424867	0.0101369	0.675122	-0.371872	0.0678211	4.18E-08	-0.0114251	0.0273386	0.6760129	0.3407631	3	0.92610213
ENSG00000164323	4	KIAA1430	186080819	rs3108238	4	186129357	A	G	0.476143	-0.0046669	0.00804935	0.562059	0.384995	0.0478098	8.10E-16	-0.012122	0.0209618	0.563069	0.3323144	20	0.88385716
ENSG00000109771	4	LRP2BP	186285032	rs112017996	4	186310213	C	T	0.100398	0.0008057	0.0163103	0.960602	-0.711083	0.113436	3.64E-10	-0.0011331	0.022938	0.9606032	0.0928813	3	0.99596391
ENSG00000109775	4	UFSP2	186320694	rs2289720	4	186347055	A	G	0.710736	-0.0167689	0.0095778	0.0799779	0.722627	0.0634872	5.13E-30	-0.0232055	0.01341	0.08354862	0.6959189	20	0.56305962
ENSG00000205129	4	C4orf47	186347394	rs1562051	4	186328499	T	C	0.806163	-0.0227174	0.0104013	0.0289548	-0.454057	0.0793361	1.05E-08	0.050032	0.0245189	0.04129521	0.875063	11	0.4496094
ENSG00000168491	4	CCDC110	186366336	rs9999033	4	186391323	A	G	0.193837	-0.0010601	0.0103919	0.918745	0.784644	0.0920932	1.59E-17	-0.0013511	0.013245	0.9187505	0.228556	8	0.98810654
ENSG00000109794	4	FAM149A	187025573	rs4241814	4	187093018	T	G	0.599404	-0.0040934	0.0080608	0.611581	0.659588	0.0588304	3.57E-29	-0.006206	0.0122335	0.6119458	0.3846183	20	0.90570134
ENSG00000251008	4	ORAOV1P1	187092017	rs4862655	4	187092399	T	C	0.579523	-0.0067156	0.00806411	0.404971	0.624913	0.0906919	5.56E-12	-0.0107465	0.0129983	0.4083724	0.3404216	15	0.83648741
ENSG00000145476	4	CYP4V2	187112674	rs2292426	4	187120753	G	A	0.673956	-0.0077475	0.00868372	0.37229	-0.778392	0.0847597	4.17E-20	0.00995326	0.0112085	0.3745351	0.199764	13	0.82033551
ENSG00000164344	4	KLKB1	187130133	rs62350518	4	187118358	T	C	0.176938	0.00884754	0.0124287	0.476551	0.942925	0.130227	4.47E-13	0.00938308	0.0132446	0.4786671	0.6105439	12	0.85809419
ENSG00000245685	4	AF146191.4	190701490	rs17080333	4	190895386	C	A	0.318091	-0.0196138	0.00878123	0.0255094	0.727027	0.095988	3.61E-14	-0.0269781	0.0125925	0.0321621	0.930123	20	0.42178047
ENSG00000224807	4	DUX4L9	190942562	rs4863031	4	190939082	C	G	0.595427	0.0220123	0.00830022	0.00800147	0.973297	0.0929441	1.16E-25	0.0226162	0.00879717	0.01014485	0.8558638	8	0.31487106
ENSG00000205097	4	FRG2	190945506	rs4863031	4	190939082	C	G	0.595427	0.0220123	0.00830022	0.00800147	0.913549	0.0893395	1.52E-24	0.0240954	0.00938628	0.01025577	0.869772	9	0.31487106
ENSG00000214273	4	AGGF1P1	190962497	rs4863031	4	190939082	C	G	0.595427	0.0220123	0.00830022	0.00800147	0.569271	0.0993331	9.99E-09	0.0386675	0.0160659	0.01609271	0.998499	4	0.34725322
ENSG00000164366	5	CCDC127	196986	rs13474	5	205077	C	G	0.148111	0.0123714	0.010352	0.232058	1.05284	0.0878536	4.31E-33	0.0117505	0.00988122	0.2343707	0.3611339	20	0.7275513
ENSG00000249915	5	PDCD6	271736	rs4957016	5	296050	A	G	0.733598	0.00581959	0.00922674	0.528217	-0.589716	0.0736973	1.23E-15	-0.0098685	0.0156946	0.5294927	0.08156584	14	0.87557054
ENSG00000063438	5	AHRR	304291	rs56054432	5	193966	G	T	0.664016	0.0221617	0.00883819	0.0121591	-0.578326	0.0916039	2.73E-10	-0.0383204	0.0164436	0.01978434	0.1346062	20	0.35949739
ENSG00000221990	5	C5orf55	441645	rs890985	5	479746	G	C	0.798211	0.00011536	0.011362	0.991899	0.530158	0.0850728	4.61E-10	0.00021759	0.0214314	0.9918993	0.01927063	8	0.99903384
ENSG00000180104	5	EXOC3	443273	rs41282625	5	475626	G	C	0.399602	0.0124564	0.00824601	0.13089	-0.537496	0.0657467	2.95E-16	-0.0231749	0.0156012	0.1374242	0.3277405	20	0.63721248
ENSG00000225138	5	CTD-2228K2.7	473351	rs890983	5	479473	T	C	0.491054	-0.0077061	0.00811397	0.342246	0.99246	0.072881	3.15E-42	-0.0077647	0.00819547	0.3434174	0.5268079	20	0.81053309
ENSG00000066230	5	SLC9A3	473425	rs890983	5	479473	T	C	0.491054	-0.0077061	0.00811397	0.342246	0.416857	0.0463025	2.20E-19	-0.0184863	0.0195726	0.3449167	0.5344311	20	0.8110906
ENSG00000171368	5	TPPP	660883	rs72707041	5	677152	A	G	0.16501	0.014674	0.0119823	0.220711	0.715977	0.0875995	3.00E-16	0.0204951	0.0169224	0.2258494	0.8015159	20	0.72659822
ENSG00000249201	5	CTD-3080P12.3	1173256	rs34200966	5	1181998	G	T	0.435388	0.00246398	0.00813942	0.762102	-0.517726	0.0860969	1.82E-09	-0.0047592	0.0157414	0.7623937	0.5469712	6	0.95514229
ENSG00000153395	5	LPCAT1	1456595	rs13161905	5	1417212	T	C	0.361829	-0.012852	0.00844125	0.127879	-0.441111	0.066703	3.76E-11	0.0291355	0.019637	0.1378863	0.2568537	7	0.63721248
ENSG00000185986	5	SDHAP3	1568637	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-0.623212	0.0750861	1.04E-16	0.00654341	0.0134472	0.6265422	0.721419	20	0.91371819
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.13713	0.0831189	1.32E-42	0.00358616	0.00736183	0.626167	0.7439066	20	0.91360574
ENSG00000232615	5	CTD-2012J19.1	1614951	rs6884674	5	1623579	T	G	0.233598	-0.0055392	0.0093182	0.552215	0.750694	0.11608	9.99E-11	-0.0073787	0.0124651	0.5538842	0.9428233	9	0.88133611
ENSG00000171421	5	MRPL36	1798500	rs2270826	5	1799737	T	C	0.639165	0.0110962	0.00842395	0.187766	-0.465424	0.0683095	9.53E-12	-0.0238411	0.0184346	0.1959162	0.458554	3	0.69762175
ENSG00000250579	5	CTD-2297D10.2	5132893	rs11739704	5	5211359	C	T	0.238569	0.0131906	0.0100678	0.190136	-0.506614	0.0784537	1.06E-10	-0.0260368	0.0202776	0.1991367	0.3604375	5	0.70012354
ENSG00000145536	5	ADAMTS16	5140443	rs11739704	5	5211359	C	T	0.238569	0.0131906	0.0100678	0.190136	-0.67477	0.095323	1.45E-12	-0.0195483	0.0151738	0.1976428	0.6327982	12	0.70012354
ENSG00000261037	5	CTC-471C19.1	6019142	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	0.62277	0.0838174	1.09E-13	0.0040267	0.0129403	0.7556681	0.04747855	15	0.95258055
ENSG00000250490	5	CTD-2324F15.2	6310554	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	0.835765	0.075725	2.54E-28	0.0030005	0.00963787	0.7555546	0.06949041	20	0.95258055
ENSG00000133398	5	MED10	6371994	rs905140	5	6375337	G	A	0.496024	0.00251419	0.00805175	0.754849	-0.595466	0.0652735	7.33E-20	-0.0042222	0.0135297	0.7549865	0.03368249	16	0.95258055
ENSG00000250056	5	LINC01018	6582249	rs41282637	5	6612048	A	G	0.0178926	-0.0045062	0.0305166	0.882608	1.56185	0.25682	1.19E-09	-0.0028852	0.0195445	0.8826421	0.7968758	16	0.98282556
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-1.13366	0.0661525	7.85E-66	-0.00052	0.00717865	0.9422526	0.4772426	20	0.99338916
ENSG00000112941	5	PAPD7	6714718	rs100841	5	6705857	A	G	0.591451	-0.0106849	0.00813235	0.188886	-0.237858	0.0375141	2.29E-10	0.0449213	0.0349163	0.1982532	0.7293516	10	0.70012354
ENSG00000250060	5	RP11-332J15.2	6868672	rs275430	5	6870971	G	A	0.617296	0.0129709	0.00883638	0.14213	0.641993	0.0826514	8.01E-15	0.0202041	0.0140076	0.1491987	0.4319439	8	0.64835856
ENSG00000124275	5	MTRR	7851299	rs3733784	5	7862926	C	T	0.646123	0.00859033	0.00858506	0.317014	-0.325716	0.0557501	5.14E-09	-0.0263737	0.0267413	0.3240086	0.3146547	4	0.79507147
ENSG00000247516	5	MIR4458HG	8450856	rs200114	5	8652778	C	T	0.373757	0.00121575	0.00848055	0.886008	0.54996	0.0891115	6.76E-10	0.00221062	0.0154245	0.8860384	0.0863921	13	0.98384971
ENSG00000250786	5	SNHG18	9546312	rs59758866	5	9546372	G	C	0.300199	-0.0004098	0.0098573	0.966837	-0.485585	0.0755116	1.27E-10	0.00084398	0.0203003	0.9668378	0.9601185	3	0.99660087
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.741913	0.0921864	8.42E-16	-0.0068479	0.0116478	0.5565917	0.962895	11	0.88271976
ENSG00000112977	5	DAP	10679342	rs11740244	5	10761009	G	C	0.709742	-0.009476	0.00908752	0.297066	-0.465641	0.0499889	1.22E-20	0.0203504	0.0196381	0.300075	0.5646989	17	0.77863838
ENSG00000039139	5	DNAH5	13690440	rs10058736	5	13937637	C	T	0.2833	0.00242374	0.00904464	0.788718	-0.604622	0.0847109	9.51E-13	-0.0040087	0.0149697	0.7888636	0.3644896	8	0.9600829
ENSG00000248150	5	RP1-167G20.1	16373470	rs17650129	5	16487330	T	G	0.270378	0.0220694	0.00964496	0.0221269	1.10263	0.102455	5.20E-27	0.0200152	0.00894276	0.02521124	0.7655564	14	0.38685001
ENSG00000154153	5	FAM134B	16473147	rs380796	5	16573583	A	T	0.471173	-0.0191602	0.00810647	0.0181001	-0.695333	0.064423	3.70E-27	0.0275554	0.0119347	0.02095154	0.1953705	16	0.36316121
ENSG00000250415	5	CTC-461F20.1	16617334	rs387273	5	16571228	A	G	0.45825	-0.0194044	0.00822027	0.0182474	-0.57532	0.0816141	1.80E-12	0.033728	0.015068	0.02519573	0.1249266	7	0.38685001
ENSG00000271892	5	CTD-2228A4.1	17107469	rs2652682	5	17113657	T	A	0.356859	0.00256613	0.00889452	0.772958	0.496714	0.0893988	2.76E-08	0.00516621	0.0179308	0.7732559	0.6252731	11	0.95712351
ENSG00000249937	5	RP11-454P21.1	17684693	rs7714225	5	17790612	C	T	0.776342	0.00086776	0.00897788	0.923	-0.804729	0.107873	8.65E-14	-0.0010783	0.0111573	0.9230065	0.9375579	20	0.98976298
ENSG00000183666	5	GUSBP1	21341942	rs142741466	5	21367164	T	C	0.365805	0.00969521	0.00891002	0.27654	-0.670671	0.0902433	1.07E-13	-0.014456	0.0134269	0.2816387	0.2244045	20	0.76659864
ENSG00000233974	5	RP11-823P9.3	21481436	rs367823715	5	21490726	A	G	0.117296	-0.015844	0.0171862	0.35658	1.66319	0.207194	9.97E-16	-0.0095263	0.0104012	0.3597287	0.04252586	5	0.81746804
ENSG00000272130	5	RP11-360I2.1	21569864	rs74363156	5	21556910	T	C	0.170974	-0.0200903	0.010468	0.0549579	1.30039	0.115706	2.63E-29	-0.0154494	0.00816642	0.05851431	0.5019816	20	0.50083362
ENSG00000154162	5	CDH12	21750782	rs2920747	5	22326375	G	C	0.436382	-0.0011554	0.00814258	0.887162	-0.576598	0.0810208	1.11E-12	0.00200384	0.0141246	0.8871834	0.8614654	20	0.98421908
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-0.961889	0.108427	7.23E-19	-0.0089872	0.0101133	0.3741895	0.2826889	9	0.82033551
ENSG00000242110	5	AMACR	33986283	rs6875926	5	34012492	C	T	0.50497	-0.0140479	0.00810896	0.0832032	0.823263	0.0564564	3.64E-48	-0.0170637	0.00991905	0.08537884	0.8412768	20	0.56757906
ENSG00000082196	5	C1QTNF3	34019553	rs3733807	5	34052269	A	C	0.67992	-0.0059413	0.00889456	0.504154	0.294754	0.0540499	4.94E-08	-0.0201568	0.0304017	0.5073217	0.4840244	8	0.86831771
ENSG00000039560	5	RAI14	34656342	rs384751	5	34625268	C	T	0.568588	-0.0060944	0.00806505	0.44986	0.543114	0.0666299	3.60E-16	-0.0112211	0.0149133	0.4517959	0.3074938	9	0.85417294
ENSG00000152582	5	SPEF2	35617946	rs9292606	5	35707759	G	A	0.55666	0.00612105	0.00813401	0.451735	-0.407678	0.0633526	1.23E-10	-0.0150144	0.020088	0.4548027	0.3264914	20	0.85417294
ENSG00000197603	5	C5orf42	37106330	rs2270559	5	37249075	G	A	0.0974155	-0.0085975	0.0118809	0.469286	-0.351437	0.062246	1.64E-08	0.0244638	0.0340832	0.4729003	0.5888847	3	0.85740342
ENSG00000248092	5	NNT-AS1	43571696	rs7717636	5	43555102	G	A	0.555666	0.0205285	0.00805394	0.0108069	0.31231	0.052583	2.86E-09	0.0657312	0.0280627	0.01916547	0.5897862	6	0.35949739
ENSG00000178996	5	SNX18	53813589	rs7733091	5	54117762	A	G	0.323062	-0.0149472	0.0086887	0.0853768	0.427043	0.0652062	5.79E-11	-0.0350016	0.0210364	0.09614075	0.402731	6	0.59392833
ENSG00000152669	5	CCNO	54526980	rs115759884	5	55014445	A	T	0.0238569	0.00815364	0.0193356	0.673251	1.21397	0.217218	2.29E-08	0.00671651	0.0159729	0.6741237	0.7983082	6	0.92494762
ENSG00000177058	5	SLC38A9	54921673	rs4865964	5	54934984	C	T	0.664016	0.0115545	0.0086999	0.18414	-0.584355	0.0669111	2.47E-18	-0.0197731	0.0150592	0.1891754	0.3746324	12	0.68926194
ENSG00000155542	5	SETD9	56205087	rs185220	5	56205357	G	A	0.837972	-0.0059765	0.0106623	0.575119	1.13766	0.112166	3.57E-24	-0.0052533	0.00938643	0.5757036	0.1366314	20	0.89166741
ENSG00000035499	5	DEPDC1B	59892739	rs7719611	5	59988547	A	G	0.455268	-0.0069716	0.00808732	0.388662	0.497812	0.0847194	4.20E-09	-0.0140046	0.0164196	0.3937058	0.549569	20	0.82739389
ENSG00000178722	5	C5orf64	60933535	rs153379	5	61002805	A	T	0.331014	-0.0051426	0.00921721	0.576891	-0.542227	0.0719086	4.68E-14	0.00948418	0.0170453	0.5779297	0.1364231	6	0.89169006
ENSG00000123219	5	CENPK	64813593	rs62369011	5	64845427	T	C	0.32008	0.00235637	0.00869977	0.786504	0.618143	0.0924782	2.32E-11	0.00381201	0.0140856	0.7866739	0.6096427	7	0.9600829
ENSG00000113593	5	PPWD1	64859063	rs261252	5	64859592	A	T	0.280318	0.00526633	0.00856822	0.538796	-0.327442	0.0467154	2.40E-12	-0.0160832	0.0262675	0.5403487	0.3890454	11	0.87702834
ENSG00000183323	5	CCDC125	68576002	rs72767873	5	68585070	T	C	0.116302	0.00392112	0.010938	0.719981	0.800451	0.119468	2.08E-11	0.00489864	0.0136843	0.7203628	0.8581595	12	0.94000124
ENSG00000152942	5	RAD17	68665120	rs17230033	5	68686225	A	G	0.0198807	0.00996035	0.0214628	0.642594	1.43679	0.143691	1.54E-23	0.00693236	0.0149541	0.6429515	0.6502438	4	0.9205108
ENSG00000253203	5	GUSBP3	68790040	rs111743460	5	68929183	G	C	0.568588	0.00940679	0.00870377	0.279799	-0.704617	0.0784408	2.64E-19	-0.0133502	0.0124416	0.2832562	0.4275194	4	0.76768522
ENSG00000226259	5	GTF2H2B	69711179	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.11476	0.101027	2.61E-28	-0.007193	0.00964001	0.4555712	0.02014693	7	0.85417294
ENSG00000269983	5	RP11-497H16.9	69745463	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.933818	0.0974694	9.65E-22	-0.0085867	0.0115165	0.4559073	0.0266327	6	0.85417294
ENSG00000172058	5	SERF1A	70196492	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.14139	0.096059	1.47E-32	-0.0070252	0.00941213	0.4554293	0.01861019	5	0.85417294
ENSG00000145736	5	GTF2H2	70330784	rs12055271	5	70676547	C	G	0.624254	-0.0072359	0.00868345	0.404674	-0.846824	0.0914473	2.04E-20	0.0085448	0.0102956	0.4065677	0.02869892	4	0.8341505
ENSG00000230847	5	RP11-195E2.1	70370052	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.83213	0.0894775	1.41E-20	0.0241383	0.0112771	0.03231704	0.06781227	3	0.42178047
ENSG00000215630	5	GUSBP9	70435716	rs10058698	5	70670771	C	A	0.636183	-0.0136879	0.00860533	0.111693	0.589229	0.096555	1.04E-09	-0.0232302	0.0150923	0.1237546	0.1449971	3	0.6305293
ENSG00000131844	5	MCCC2	70883115	rs10805884	5	70888242	G	A	0.829026	-0.0038432	0.0104435	0.712874	0.715069	0.0560165	2.56E-37	-0.0053746	0.014611	0.7129892	0.5231334	20	0.93968224
ENSG00000131711	5	MAP1B	71403061	rs72761109	5	71506529	T	C	0.311133	0.014635	0.00901952	0.104676	0.335666	0.0397579	3.10E-17	0.0435999	0.0273623	0.1110635	0.7877114	9	0.61524297
ENSG00000113048	5	MRPS27	71515236	rs6831	5	71515616	G	A	0.65507	0.00454141	0.00814031	0.576918	-0.595205	0.0603757	6.31E-23	-0.00763	0.0136984	0.5775272	0.3279211	17	0.89169006
ENSG00000164331	5	ANKRA2	72848160	rs168223	5	72863894	A	G	0.218688	-0.0176209	0.00929805	0.0580764	-0.319689	0.0582365	4.03E-08	0.0551189	0.0307691	0.07323349	0.811104	4	0.53271288
ENSG00000164338	5	UTP15	72861268	rs10072137	5	72894812	A	G	0.724652	0.0126779	0.00907333	0.162331	0.322805	0.053395	1.49E-09	0.0392742	0.0288487	0.1733926	0.5466413	13	0.67151653
ENSG00000049860	5	HEXB	73935848	rs820863	5	73972734	T	C	0.542744	-0.0051073	0.00821682	0.534225	-0.395723	0.0642657	7.39E-10	0.0129063	0.0208696	0.5362937	0.2712645	3	0.87578658
ENSG00000164347	5	GFM2	74017029	rs7705519	5	74056513	C	T	0.151093	-0.0089451	0.0122014	0.463484	0.432341	0.0782739	3.32E-08	-0.0206899	0.0284692	0.4673808	0.1778271	5	0.85740342
ENSG00000164346	5	NSA2	74062817	rs6870806	5	74067536	C	G	0.138171	-0.0151823	0.0126002	0.228233	1.36648	0.0984318	8.09E-44	-0.0111105	0.00925558	0.2299793	0.103629	20	0.7275513
ENSG00000189045	5	ANKDD1B	74907284	rs6892146	5	74971990	G	C	0.177932	0.0063519	0.0100847	0.528788	-0.829729	0.113269	2.38E-13	-0.0076554	0.0121991	0.5303056	0.08551244	14	0.87557054
ENSG00000152359	5	POC5	74969949	rs72633990	5	75018198	A	G	0.190855	0.0167261	0.00976686	0.0867981	0.691279	0.0845812	3.01E-16	0.0241959	0.0144355	0.09371167	0.03891322	20	0.58914688
ENSG00000113231	5	PDE8B	76506274	rs335628	5	76729538	G	C	0.846918	-0.0020378	0.0117659	0.862497	-0.622532	0.0791595	3.71E-15	0.00327342	0.0189047	0.8625302	0.5411166	19	0.97828063
ENSG00000164253	5	WDR41	76721795	rs2360040	5	76825975	T	G	0.606362	-0.004662	0.00830445	0.574538	0.559979	0.0681604	2.11E-16	-0.0083252	0.0148645	0.5754291	0.9899418	20	0.89166741
ENSG00000171530	5	TBCA	76986991	rs254407	5	77080760	A	G	0.351889	-0.0142547	0.0088971	0.109117	-0.416924	0.0648858	1.31E-10	0.0341902	0.0219932	0.1200471	0.02896558	10	0.62616883
ENSG00000113273	5	ARSB	78073032	rs12188734	5	78156390	A	G	0.612326	-0.0036295	0.0083607	0.664206	-0.426252	0.0719938	3.21E-09	0.00851489	0.0196671	0.6650504	0.5694013	3	0.92466627
ENSG00000228716	5	DHFR	79922047	rs408626	5	79951133	C	T	0.450298	-0.0129091	0.00810531	0.111233	0.890774	0.0813152	6.32E-28	-0.014492	0.00919484	0.1150024	0.9876837	20	0.61794187
ENSG00000113318	5	MSH3	79950467	rs72767323	5	80177128	A	G	0.137177	0.00512848	0.011336	0.650976	0.529357	0.0882047	1.96E-09	0.00968813	0.0214754	0.6518984	0.8275022	6	0.92285128
ENSG00000247572	5	CKMT2-AS1	80499903	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	1.2374	0.0885522	2.26E-44	-0.0110893	0.00818862	0.1756619	0.2351165	18	0.67151653
ENSG00000248794	5	CTD-2248H3.1	80538149	rs4704712	5	80544322	C	T	0.193837	-0.0113524	0.00988687	0.250875	0.995651	0.104725	1.96E-21	-0.011402	0.0100022	0.2543087	0.2463176	19	0.74586579
ENSG00000145687	5	SSBP2	80708840	rs3805726	5	80725640	C	T	0.302187	0.0185205	0.00878335	0.03498	-0.301475	0.0528256	1.15E-08	-0.061433	0.0310596	0.0479394	0.9529064	9	0.47948912
ENSG00000152348	5	ATG10	81267844	rs111549985	5	81268070	G	C	0.229622	0.00537576	0.00978825	0.582864	1.02295	0.0837538	2.62E-34	0.00525515	0.00957832	0.583245	0.3491384	20	0.89290364
ENSG00000186468	5	RPS23	81569177	rs111772743	5	81569088	T	C	0.298211	0.00481835	0.00872486	0.580772	-0.936882	0.0650238	4.59E-47	-0.005143	0.00931949	0.5810511	0.628476	20	0.89290364
ENSG00000205464	5	ATP6AP1L	81575281	rs178931	5	81575601	A	T	0.701789	-0.005667	0.0087136	0.51546	-1.15963	0.0737654	1.09E-55	0.00488688	0.00752055	0.5158192	0.753755	20	0.87139564
ENSG00000249664	5	CTD-2227C6.2	82308104	rs3899556	5	82363681	T	C	0.460239	0.00310654	0.00807377	0.700408	0.76763	0.0947132	5.28E-16	0.00404692	0.0105296	0.700729	0.00537479	16	0.93769209
ENSG00000174695	5	TMEM167A	82348665	rs10473863	5	82353319	G	A	0.394632	-0.001828	0.00814107	0.822334	-0.208341	0.0315413	3.97E-11	0.00877422	0.0390983	0.8224347	0.01454665	15	0.96886182
ENSG00000038427	5	VCAN	82767284	rs55803832	5	81920587	C	A	0.346918	0.0034974	0.00858616	0.683765	0.53427	0.0551661	3.50E-22	0.00654613	0.016085	0.6840299	0.0317654	16	0.92876095
ENSG00000247828	5	TMEM161B-AS1	87564712	rs78909929	5	87639971	G	A	0.257455	0.0215781	0.00893427	0.0157264	0.693047	0.0692329	1.37E-23	0.0311351	0.0132612	0.01888279	0.1371298	18	0.35949739
ENSG00000271904	5	CTC-498M16.4	87729709	rs4916910	5	87696843	A	G	0.493042	0.00930562	0.00807474	0.249142	0.510178	0.0849749	1.93E-09	0.0182399	0.0161162	0.2577292	0.08740811	11	0.74586579
ENSG00000164199	5	GPR98	89825161	rs154569	5	89854325	G	A	0.536779	-0.0073132	0.0081189	0.367714	0.495314	0.0637423	7.81E-15	-0.0147648	0.0165012	0.370909	0.8464112	20	0.81863059
ENSG00000175471	5	MCTP1	94039446	rs10866765	5	94807358	G	A	0.196819	0.0137627	0.0113376	0.224787	0.269878	0.048405	2.47E-08	0.050996	0.0429943	0.2355783	0.1076321	3	0.72855841
ENSG00000243806	5	CTC-484P3.1	94161666	rs152286	5	94193334	A	G	0.890656	0.00867352	0.0106707	0.416313	-0.799145	0.124378	1.32E-10	-0.0108535	0.0134591	0.4200078	0.881391	14	0.84060846
ENSG00000153347	5	FAM81B	94727048	rs2303650	5	94826655	A	C	0.16501	0.00248544	0.0124973	0.842358	0.646696	0.101907	2.21E-10	0.00384329	0.0193343	0.8424344	0.3574201	12	0.97564033
ENSG00000225165	5	CTD-2538A21.1	94775748	rs73777223	5	94888407	C	T	0.110338	0.00544103	0.0152744	0.721677	0.908548	0.112889	8.40E-16	0.00598871	0.0168283	0.7219376	0.9269238	13	0.9406747
ENSG00000164292	5	RHOBTB3	95049226	rs115935218	5	95005535	G	T	0.0228628	0.00095776	0.0239976	0.968164	1.08737	0.122966	9.33E-19	0.0008808	0.0220696	0.9681647	0.500635	4	0.99660087
ENSG00000251348	5	HSPD1P11	95104703	rs889225	5	95144722	C	T	0.767396	-0.0012098	0.00903667	0.893499	0.801461	0.105724	3.44E-14	-0.0015095	0.011277	0.8935157	0.8118678	10	0.98597578
ENSG00000153113	5	CAST	95860971	rs4267886	5	95997266	C	T	0.151093	0.0144531	0.0116838	0.216078	0.499979	0.0604717	1.36E-16	0.0289074	0.0236287	0.2211774	0.734176	10	0.72284625
ENSG00000164307	5	ERAP1	96096521	rs7356594	5	96096189	T	G	0.337972	-0.0118629	0.00887821	0.181489	-0.519968	0.0725527	7.68E-13	0.0228147	0.0173688	0.1889988	0.3075155	13	0.68926194
ENSG00000248734	5	CTD-2260A17.1	96120481	rs153541	5	96137941	A	G	0.210736	-0.0057817	0.0104988	0.581837	-0.67766	0.114775	3.54E-09	0.00853187	0.01556	0.5834708	0.7380794	12	0.89290364
ENSG00000164308	5	ERAP2	96211643	rs2927608	5	96252432	A	G	0.426441	-0.0050424	0.00809512	0.533353	1.17623	0.0735613	1.51E-57	-0.0042869	0.00688748	0.5336638	0.1325726	20	0.87557054
ENSG00000174136	5	RGMB	98104354	rs2545677	5	98121830	G	A	0.159046	0.0153613	0.0145948	0.292563	-0.630544	0.0913366	5.07E-12	-0.024362	0.0234138	0.2981098	0.07262846	9	0.77863838
ENSG00000145730	5	PAM	102089685	rs2657433	5	101999586	G	T	0.718688	0.0110269	0.00875802	0.208007	-0.490401	0.0615837	1.68E-15	-0.0224855	0.0180807	0.2136415	0.4256824	20	0.71470811
ENSG00000175749	5	EIF3KP1	102368080	rs26431	5	102365794	C	G	0.717694	-0.0021488	0.00861252	0.802981	-1.01898	0.0907953	3.15E-29	0.00210873	0.00845419	0.8030283	0.4686746	20	0.9645141

ENSG00000249476	5	CTD-2587M2.1	108572821	rs400277	5	108675737	T	C	0.353877	0.0128623	0.00824161	0.118607	0.804205	0.0833531	5.00E-22	0.0159938	0.0103814	0.1234072	0.3562482	20	0.6305293
ENSG00000186952	5	TMEM232	109624934	rs244412	5	110077016	G	A	0.764414	0.010095	0.00942305	0.284031	-0.684905	0.0915149	7.20E-14	-0.0147393	0.0138984	0.2889176	0.6928403	20	0.77325335
ENSG00000145777	5	TSLP	110405760	rs1379298	5	110435726	C	T	0.460239	-0.0098629	0.00808535	0.222522	-0.70195	0.0863116	4.20E-16	0.0140507	0.0116473	0.2276802	0.5969025	11	0.7275513
ENSG00000134987	5	WDR36	110427414	rs1457113	5	110467074	G	A	0.0407555	0.00648534	0.0254301	0.798703	1.09947	0.116968	5.47E-21	0.00589861	0.0231379	0.7987754	0.6434262	20	0.96314117
ENSG00000152495	5	CAMK4	110559351	rs6869197	5	110574821	A	G	0.466203	-0.0121784	0.00812987	0.134137	-0.410502	0.0370418	1.53E-28	0.0296671	0.0199848	0.1376811	0.4050469	20	0.63721248
ENSG00000172795	5	DCP2	112312399	rs4705752	5	112366678	G	A	0.508946	0.00399744	0.00808041	0.620806	0.222113	0.0363853	1.03E-09	0.0179973	0.036499	0.6219483	0.3886269	19	0.91051849
ENSG00000047188	5	YTHDC2	112849380	rs348949	5	112822374	C	T	0.485089	0.00668729	0.00815799	0.412374	-0.391441	0.0410554	1.51E-21	-0.0170838	0.0209178	0.4140942	0.4553066	20	0.83806414
ENSG00000145780	5	FEM1C	114856608	rs2546464	5	114778092	G	A	0.602386	-0.0118512	0.00811036	0.143949	-0.269719	0.0490657	3.86E-08	0.0439391	0.0311139	0.157891	0.5054043	8	0.65780009
ENSG00000145782	5	ATG12	115163893	rs6594906	5	115171435	C	T	0.224652	0.00059033	0.010499	0.955161	0.377289	0.0488109	1.08E-14	0.00156465	0.0278282	0.9551623	0.2246851	7	0.99512257
ENSG00000145781	5	COMMD10	115420688	rs4337887	5	115608949	G	A	0.767396	0.020602	0.00907476	0.0231921	-0.551231	0.0723689	2.60E-14	-0.0373745	0.0171784	0.0295799	0.1598719	20	0.41039362
ENSG00000248445	5	CTB-118N6.3	115783243	rs12518094	5	115630724	G	A	0.10338	-0.0209182	0.0124611	0.0932159	-0.785132	0.11859	3.58E-11	0.0266429	0.0163736	0.1036971	0.1992958	16	0.60336467
ENSG00000169570	5	DTWD2	118173017	rs55811049	5	118324298	C	A	0.144135	-9.29E-05	0.01105	0.993291	-0.42152	0.0623002	1.32E-11	0.00022041	0.0262147	0.9932915	0.1428233	6	0.99906546
ENSG00000250678	5	CTB-161M19.1	118345755	rs299216	5	118396228	T	C	0.166004	-0.0015702	0.0111655	0.888163	-0.642904	0.108254	2.87E-09	0.00244234	0.0173722	0.8881944	0.8250683	5	0.98447405
ENSG00000145779	5	TNFAIP8	118604387	rs72786136	5	118659359	A	G	0.0576541	-0.0205869	0.0169331	0.224068	1.17064	0.117038	1.49E-23	-0.017586	0.0145713	0.2274724	0.8281639	9	0.7275513
ENSG00000064692	5	SNCAIP	121647049	rs79029198	5	121721150	G	T	0.0805169	0.0197946	0.012869	0.124009	-0.596725	0.0865588	5.43E-12	-0.0331721	0.0220963	0.1332916	0.332948	11	0.63721248
ENSG00000064652	5	SNX24	122179134	rs35939166	5	122394850	G	A	0.0308151	0.00106688	0.0256314	0.966799	-0.60158	0.108774	3.19E-08	-0.0017735	0.042608	0.9667994	0.9817226	3	0.99660087
ENSG00000164904	5	ALDH7A1	125877533	rs79449010	5	125919818	C	T	0.0447316	0.0146392	0.0157931	0.353961	-0.738381	0.0881797	5.59E-17	-0.0198261	0.0215195	0.3568892	0.6114324	5	0.81746804
ENSG00000164241	5	C5orf63	126378250	rs9327428	5	126347544	A	G	0.468191	-0.0058604	0.00812261	0.47061	-0.510295	0.0712232	7.79E-13	0.0114842	0.015998	0.4728463	0.4799064	15	0.85740342
ENSG00000245937	5	CTC-228N24.3	127276118	rs6888037	5	127406259	T	G	0.787276	-0.0140368	0.0111572	0.208359	0.462601	0.0813202	1.28E-08	-0.0303432	0.0247012	0.2192929	0.00140176	10	0.72284625
ENSG00000064651	5	SLC12A2	127419458	rs10478787	5	127294105	A	C	0.577535	-0.0126866	0.00870942	0.145214	0.357589	0.0528873	1.37E-11	-0.0354782	0.0249148	0.1544519	0.870163	8	0.65263372
ENSG00000164398	5	ACSL6	131142683	rs253946	5	131330461	A	G	0.764414	-0.0159249	0.00943489	0.0914366	0.528236	0.0606453	3.03E-18	-0.0301473	0.0181934	0.09750967	0.7784389	20	0.59814366
ENSG00000239642	5	AC034228.7	131142816	rs4996522	5	130761470	A	G	0.227634	0.00700321	0.00848694	0.409272	0.636529	0.0958675	3.14E-11	0.0110022	0.0134357	0.4128576	0.1734889	16	0.83784829
ENSG00000072682	5	P4HA2	131527531	rs113823725	5	131563501	G	C	0.419483	0.00041006	0.00875016	0.962622	0.384247	0.0592384	8.79E-11	0.00106718	0.0227728	0.9626233	0.9264264	8	0.99596391
ENSG00000233006	5	AC034220.3	131646978	rs2631368	5	131705297	G	T	0.323062	-0.0069351	0.00818224	0.396672	-0.452859	0.0656745	5.37E-12	0.0153141	0.0182039	0.4002081	0.9392704	20	0.82963504
ENSG00000197375	5	SLC22A5	131705444	rs441969	5	131702120	A	G	0.593439	0.00504333	0.00807987	0.532507	0.299733	0.0449442	2.58E-11	0.0168261	0.0270747	0.5342914	0.9173134	9	0.87557054
ENSG00000197536	5	C5orf56	131746328	rs13165038	5	131813350	C	T	0.33499	-0.0011174	0.00874749	0.898355	-0.603456	0.0803265	5.80E-14	0.00185167	0.0144977	0.8983697	0.3557458	10	0.98600303
ENSG00000113522	5	RAD50	131891711	rs13165038	5	131813350	C	T	0.33499	-0.0011174	0.00874749	0.898355	0.345162	0.0545494	2.49E-10	-0.0032373	0.0253483	0.8983757	0.08515236	5	0.98600303
ENSG00000072364	5	AFF4	132211071	rs803221	5	132210436	C	T	0.725646	-0.0089128	0.00816691	0.275125	-0.211791	0.0349447	1.35E-09	0.0420832	0.0391813	0.2827949	0.1491573	6	0.76768522
ENSG00000081059	5	TCF7	133450402	rs10900825	5	133397597	G	A	0.685885	0.00476699	0.00823764	0.562802	0.784219	0.0798033	8.62E-23	0.00607865	0.0105225	0.563478	0.8714776	15	0.88385716
ENSG00000164615	5	CAMLG	134074191	rs60191893	5	134080856	A	G	0.133201	0.00508378	0.0101829	0.617605	0.93636	0.101492	2.81E-20	0.0054293	0.0108909	0.6181194	0.3323894	14	0.90945787
ENSG00000113621	5	TXNDC15	134209493	rs3733897	5	134223593	G	A	0.149105	0.0117445	0.0100676	0.243388	1.31282	0.0906901	1.72E-47	0.00894601	0.00769354	0.2449129	0.6834171	20	0.73840068
ENSG00000270021	5	CTC-203F4.2	134734970	rs73789315	5	134685471	A	T	0.0357853	-0.0085432	0.0239493	0.721302	-1.25594	0.142942	1.54E-18	0.00680221	0.0190845	0.721522	0.9289791	19	0.94057212
ENSG00000145824	5	CXCL14	134906373	rs9327726	5	134915109	C	T	0.459245	0.00336923	0.00809555	0.677276	-0.31773	0.0559655	1.37E-08	-0.0106041	0.0255477	0.6780913	0.833096	7	0.92685961
ENSG00000271824	5	AC009014.3	135527156	rs7717420	5	135542246	T	C	0.329026	0.00662864	0.0088273	0.452697	0.618046	0.0806761	1.85E-14	0.0107252	0.014351	0.4548564	0.6804613	8	0.85417294
ENSG00000146021	5	KLHL3	136953189	rs2905616	5	137032820	C	T	0.757455	-0.0061719	0.00942693	0.512652	0.303113	0.0543426	2.44E-08	-0.0203618	0.0313139	0.515531	0.6108403	8	0.87139564
ENSG00000112981	5	NME5	137450866	rs144037381	5	137717902	T	C	0.0228628	-0.0435924	0.0265689	0.100853	-1.49109	0.234888	2.18E-10	0.0292353	0.018404	0.1121666	0.7816077	3	0.61545125
ENSG00000250069	5	CTB-131B5.2	139579748	rs17286641	5	139618953	A	G	0.223658	-0.0077871	0.00967036	0.420676	-0.595281	0.101929	5.22E-09	0.0130813	0.0163987	0.4250433	0.00140494	9	0.8444398
ENSG00000251453	5	HAUS1P1	139961089	rs975243	5	139790364	G	A	0.717694	0.00678199	0.00834349	0.416304	-0.6354	0.0996147	1.79E-10	-0.0106736	0.0132373	0.4200541	0.8796142	9	0.84060846
ENSG00000113119	5	TMCO6	140019012	rs12153256	5	140021858	T	A	0.245527	-0.0064323	0.00902653	0.476093	0.602522	0.0722029	7.13E-17	-0.0106756	0.0150358	0.4776946	0.2887063	20	0.85740342
ENSG00000120314	5	WDR55	140044261	rs801181	5	140092814	T	C	0.43837	-0.009262	0.0080934	0.252464	0.282487	0.0439791	1.33E-10	-0.0327873	0.0291017	0.2598925	0.2946102	18	0.74586579
ENSG00000170445	5	HARS	140052758	rs2230361	5	140057535	A	G	0.0596421	0.0121272	0.0142275	0.394006	0.640618	0.113136	1.49E-08	0.0189305	0.0224592	0.399295	0.3967751	11	0.82963504
ENSG00000146007	5	ZMAT2	140078265	rs812381	5	140065203	G	C	0.43837	-0.0092268	0.00809235	0.25421	0.199581	0.0359206	2.76E-08	-0.0462306	0.0413916	0.264034	0.5438007	16	0.74844633
ENSG00000204970	5	PCDHA1	140165876	rs801179	5	140093767	T	G	0.431412	-0.0091355	0.00809406	0.259041	-0.550658	0.0683246	7.66E-16	0.0165901	0.0148423	0.2636722	0.2092251	20	0.74844633
ENSG00000204969	5	PCDHA2	140174444	rs3756337	5	140186438	C	G	0.455268	0.0156987	0.00828674	0.0581674	0.488462	0.0646087	4.02E-14	0.032139	0.0174895	0.0661179	0.5616312	20	0.51232503
ENSG00000255408	5	PCDHA3	140180783	rs68010656	5	139973696	T	G	0.515905	-0.0123334	0.00844215	0.144034	-0.451671	0.0675075	2.22E-11	0.0273062	0.0191313	0.1534929	0.262002	18	0.65219838
ENSG00000204962	5	PCDHA8	140220907	rs991918	5	140194858	T	C	0.535785	0.0111292	0.0080832	0.168563	-0.449066	0.073286	8.92E-10	-0.024783	0.0184488	0.1791627	0.5816338	6	0.67831927
ENSG00000204961	5	PCDHA9	140227048	rs77020201	5	140240800	G	A	0.0765408	-0.0202042	0.0152502	0.185222	-1.18588	0.131437	1.84E-19	0.0170373	0.0129977	0.1899281	0.7237931	19	0.68934009
ENSG00000249158	5	PCDHA11	140248689	rs114075983	5	140289352	A	G	0.0765408	-0.018434	0.0152382	0.226387	0.564302	0.094794	2.63E-09	-0.0326669	0.0275556	0.2358228	0.8654132	4	0.7288674
ENSG00000239389	5	PCDHA13	140261793	rs251381	5	140264855	G	A	0.66501	-0.0202418	0.00877926	0.021131	-0.743535	0.0703346	4.04E-26	0.0272237	0.012085	0.02427915	0.3376591	20	0.38644663
ENSG00000112852	5	PCDHB2	140474227	rs12521934	5	140464559	A	G	0.142147	-0.0090681	0.0130417	0.486861	0.762662	0.134273	1.35E-08	-0.01189	0.0172279	0.4900931	0.31462	3	0.86252211
ENSG00000120324	5	PCDHB10	140571942	rs643918	5	140576282	G	C	0.232604	0.0083362	0.00960039	0.385219	-0.653621	0.0949844	5.93E-12	-0.0127539	0.0148045	0.3889696	0.696614	12	0.82295689
ENSG00000120328	5	PCDHB12	140588269	rs2980409	5	140565046	C	T	0.654076	0.00067083	0.00830883	0.935651	0.512391	0.0861808	2.76E-09	0.00130921	0.0162173	0.9356572	0.7580447	5	0.99333365
ENSG00000120327	5	PCDHB14	140602931	rs643864	5	140576241	C	T	0.407555	0.00714581	0.00838057	0.393847	-0.512911	0.0720134	1.06E-12	-0.0139319	0.0164559	0.3972076	0.8868369	10	0.82860146
ENSG00000146001	5	PCDHB18	140613938	rs73281222	5	140614165	T	C	0.159046	-0.0118621	0.0133829	0.375421	-0.71698	0.120221	2.46E-09	0.0165445	0.0188707	0.380632	0.00615631	3	0.82033551
ENSG00000253731	5	PCDHGA6	140753651	rs68033444	5	140767989	T	C	0.0467197	0.0114967	0.0153105	0.452711	-1.0453	0.141396	1.44E-13	-0.0109985	0.0147224	0.4550279	0.09379077	15	0.85417294
ENSG00000226040	5	AC005740.3	141275733	rs57416089	5	141281299	G	A	0.0238569	-0.0154063	0.0344383	0.654617	-1.62655	0.244085	2.67E-11	0.00947177	0.0212203	0.655341	0.9012203	3	0.92318646
ENSG00000133706	5	LARS	145492601	rs12153109	5	145515346	T	C	0.252485	0.0145425	0.00862024	0.091601	0.922168	0.0686646	4.03E-41	0.0157699	0.00942126	0.09415742	0.4990086	16	0.58914688
ENSG00000173210	5	ABLIM3	148521046	rs13171669	5	148601243	G	A	0.362823	0.0110435	0.00840144	0.188687	-0.639781	0.057285	5.82E-29	-0.0172614	0.0132224	0.1917341	0.691491	18	0.69013161
ENSG00000157510	5	AFAP1L1	148651434	rs24283	5	148664771	G	A	0.50994	0.0234285	0.00816611	0.00411785	-0.736858	0.0746297	5.42E-23	-0.0317951	0.0115407	0.00586851	0.4665971	4	0.26570111
ENSG00000011083	5	SLC6A7	149569520	rs17652561	5	149584197	A	G	0.241551	-0.0095801	0.00979678	0.328131	-0.597223	0.0667725	3.75E-19	0.0160411	0.0165016	0.3310044	0.5715171	14	0.79942417
ENSG00000197083	5	ZNF300P1	150310207	rs12659118	5	150324622	C	T	0.115308	0.0160302	0.0132866	0.227629	1.54456	0.111838	2.20E-43	0.0103785	0.00863495	0.229396	0.03411667	20	0.7275513
ENSG00000145901	5	TNIP1	150409506	rs10038339	5	150460320	A	C	0.0954274	-0.0276945	0.0123386	0.0247976	-0.974296	0.153915	2.45E-10	0.0284251	0.0134367	0.03438837	0.4324352	5	0.42178047
ENSG00000197043	5	ANXA6	150480273	rs444613	5	150546885	G	A	0.422465	0.00960112	0.00837812	0.251805	-0.282553	0.0513119	3.66E-08	-0.0339799	0.0302868	0.261889	0.3029409	7	0.74586579
ENSG00000123643	5	SLC36A1	150816607	rs7706041	5	150830467	T	C	0.176938	-0.0190281	0.0104175	0.0677673	0.820924	0.0761681	4.38E-27	-0.0231789	0.0128709	0.07172292	0.1364935	20	0.52709798
ENSG00000086570	5	FAT2	150883654	rs3822699	5	150901111	G	A	0.717694	-0.0066146	0.00900329	0.462533	-0.214568	0.0392787	4.69E-08	0.0308273	0.0423379	0.4665365	0.8358843	3	0.85740342
ENSG00000271795	5	CTC-251D13.1	150889014	rs55656828	5	150827304	T	G	0.626243	-0.0068327	0.00847688	0.42022	0.40364	0.0628815	1.37E-10	-0.0169277	0.021166	0.4238505	0.2035924	13	0.8444398
ENSG00000253921	5	CTB-113P19.3	151133553	rs72802204	5	151183183	C	T	0.263419	-0.0280587	0.00873133	0.00131096	-0.682005	0.119581	1.18E-08	0.0411415	0.0146949	0.00511475	0.3889325	4	0.26570111
ENSG00000213433	5	RP11-54C4.1	151145420	rs72802204	5	151183183	C	T	0.263419	-0.0280587	0.00873133	0.00131096	-0.942669	0.100739	8.16E-21	0.0297652	0.00979332	0.00237103	0.1144905	20	0.20600918
ENSG00000145888	5	GLRA1	151202074	rs56392306	5	151856959	T	C	0.202783	0.0131182	0.0100912	0.193612	-0.670376	0.0983963	9.56E-12	-0.0195684	0.0153246	0.2016278	0.375954	11	0.70136928
ENSG00000270978	5	RP11-54C4.2	151228447	rs55689355	5	151756636	G	C	0.206759	0.0120038	0.0102891	0.243353	-0.597871	0.109249	4.44E-08	-0.0200776	0.0175963	0.2538647	0.555176	7	0.74586579
ENSG00000164574	5	GALNT10	153570290	rs4958723	5	153667787	G	A	0.429423	-0.0099532	0.00831366	0.231225	-0.302477	0.0443971	9.56E-12	0.0329056	0.0279064	0.238342	0.2777368	9	0.73261099
ENSG00000055163	5	CYFIP2	156693089	rs11551376	5	156693557	A	G	0.129225	-0.0045277	0.0135335	0.73796	-0.211541	0.0321804	4.91E-11	0.0214035	0.0640586	0.738286	0.0768336	5	0.94584644
ENSG00000251405	5	CTB-109A12.1	156789623	rs111707188	5	156855248	A	C	0.342942	-0.0058632	0.00846398	0.48848	-0.459774	0.0725993	2.40E-10	0.0127524	0.0185188	0.4910624	0.3287734	8	0.86252211
ENSG00000113272	5	THG1L	157158205	rs2270818	5	157158439	A	C	0.136183	0.00435407	0.012333	0.724056	0.800728	0.110011	3.37E-13	0.00543764	0.0154203	0.7243676	0.02507217	13	0.94070655
ENSG00000249738	5	AC008697.1	158737941	rs6894567	5	158756968	G	A	0.220676	0.0100276	0.0100736	0.319527	0.646834	0.103724	4.49E-10	0.0155026	0.0157709	0.3256128	0.2444384	4	0.79603013
ENSG00000145863	5	GABRA6	160974069	rs10155527	5	161135130	G	T	0.428429	0.00793241	0.0081	0.327427	-0.529461	0.0472927	4.29E-29	-0.014982	0.015357	0.3292704	0.5303621	20	0.79838965
ENSG00000253403	5	RP11-348M17.2	161114353	rs6898571	5	161128019	C	T	0.301193	0.00712109	0.00898325	0.427949	0.852373	0.0989477	7.03E-18	0.00835443	0.0105836	0.4298944	0.02290162	19	0.84751306
ENSG00000113643	5	RARS	167913450	rs2432646	5	167946935	C	T	0.518887	-0.0010843	0.00814395	0.894084	-0.282403	0.0434095	7.74E-11	0.00383944	0.0288441	0.8941062	0.303596	15	0.98597578
ENSG00000188573	5	FBLL1	167956121	rs7446039	5	167956263	A	G	0.141153	-0.0053871	0.0109072	0.621377	0.629076	0.0588461	1.13E-26	-0.0085635	0.0173569	0.6217477	0.7710076	20	0.91051849
ENSG00000072786	5	STK10	171469077	rs3111481	5	171537233	A	G	0.0954274	0.00097535	0.011774	0.93398	0.624311	0.0809878	1.27E-14	0.00156227	0.0188603	0.9339835	0.816991	19	0.99333365
ENSG00000113734	5	BNIP1	172571445	rs112356729	5	172544816	T	C	0.11829	-0.0067189	0.0131135	0.608396	-0.512228	0.0860371	2.62E-09	0.013117	0.0256955	0.6097175	0.2331825	11	0.90479421
ENSG00000183072	5	NKX2-5	172659112	rs6891790	5	172670745	T	G	0.274354	-0.0035969	0.00832845	0.665829	0.742775	0.100711	1.64E-13	-0.0048425	0.0112318	0.6663656	0.1537037	6	0.92466627
ENSG00000249306	5	RP11-267A15.1	173763298	rs4868418	5	173954344	T	C	0.203777	0.0083732	0.00942915	0.374535	-0.477338	0.0731137	6.63E-11	-0.0175414	0.0199355	0.378908	0.9027129	5	0.82033551
ENSG00000051596	5	THOC3	175344876	rs62389965	5	175370893	T	C	0.254473	-0.0149398	0.00915973	0.102885	0.918124	0.0846425	2.06E-27	-0.0162721	0.0100887	0.1067665	0.5538692	10	0.60952427
ENSG00000248469	5	RP11-826N14.2	175476681	rs6556237	5	175511228	T	G	0.373757	-0.0042208	0.00821454	0.607381	0.723392	0.0981917	1.74E-13	-0.0058347	0.0113832	0.6082509	0.03443789	18	0.90341567
ENSG00000182230	5	FAM153B	175487692	rs377690773	5	175510305	C	T	0.0815109	0.0007225	0.0149096	0.961351	-0.627779	0.106784	4.13E-09	-0.0011509	0.0237506	0.9613518	0.9438403	3	0.99596391
ENSG00000251623	5	RP11-826N14.4	175564160	rs7443800	5	175559839	A	G	0.442346	0.00931346	0.00816824	0.254201	-0.960346	0.0880223	1.03E-27	-0.009698	0.00855184	0.2567828	0.01173979	20	0.74586579
ENSG00000160867	5	FGFR4	176513887	rs423143	5	176509655	A	G	0.738569	-0.0172914	0.0101338	0.0879508	-0.657687	0.0801333	2.26E-16	0.0262912	0.0157377	0.09480298	0.8644599	13	0.58914688
ENSG00000213347	5	MXD3	176728462	rs11952102	5	176740704	A	G	0.763419	0.00682259	0.00878806	0.437543	-0.644961	0.0674936	1.23E-21	-0.0105783	0.0136706	0.4390501	0.1979231	20	0.85341858
ENSG00000169220	5	RGS14	176784838	rs10051765	5	176799992	C	T	0.33996	0.00075812	0.00821123	0.926438	-0.707762	0.0770075	3.90E-20	-0.0010712	0.0116023	0.9264419	0.8301583	20	0.99191324
ENSG00000146067	5	FAM193B	176946789	rs28626332	5	176974580	T	C	0.477137	-0.0075718	0.00807667	0.348508	-0.413548	0.056167	1.80E-13	0.0183093	0.0196879	0.3523823	0.2720569	4	0.81456759
ENSG00000184840	5	TMED9	177019159	rs186803	5	177016095	C	T	0.555666	0.00040971	0.00810798	0.959698	0.290413	0.0490538	3.21E-09	0.00141079	0.0279198	0.9597	0.1118243	4	0.99596391
ENSG00000027847	5	B4GALT7	177027101	rs11537644	5	177031348	C	T	0.633201	-0.0032463	0.00851739	0.703103	-0.363472	0.0479314	3.37E-14	0.00893131	0.023463	0.7034592	0.8539111	20	0.93781922
ENSG00000247679	5	RP11-1277A3.1	177038254	rs28375402	5	177025763	A	G	0.440358	-0.0047542	0.00807881	0.556212	0.647863	0.0789611	2.31E-16	-0.0073383	0.012502	0.5572231	0.3151674	20	0.88271976
ENSG00000246596	5	RP11-1277A3.2	177046060	rs6600992	5	177047436	T	A	0.538767	-0.0049311	0.00829859	0.55237	-0.369267	0.0620048	2.59E-09	0.0133538	0.0225847	0.5543356	0.58539	5	0.88133611
ENSG00000249849	5	RP11-1101H11.1	177109295	rs12513605	5	177181107	A	G	0.569583	0.0146049	0.00824234	0.0764064	0.976137	0.0912409	1.03E-26	0.0149619	0.00855887	0.08044303	0.6061422	18	0.55522188
ENSG00000170074	5	FAM153A	177134982	rs12513605	5	177181107	A	G	0.569583	0.0146049	0.00824234	0.0764064	1.08279	0.079162	1.37E-42	0.0134882	0.00767574	0.07887479	0.2962368	20	0.55223308
ENSG00000249109	5	RP11-1026M7.2	177209198	rs7445547	5	177115632	C	T	0.429423	0.0022841	0.00836208	0.784739	0.97201	0.0925917	8.84E-26	0.00234987	0.00860579	0.7848092	0.07335738	20	0.9600829
ENSG00000170089	5	RP11-423H2.1	177236408	rs59329233	5	177265313	C	G	0.364811	0.00665574	0.00835785	0.425831	0.88838	0.0984204	1.77E-19	0.007492	0.00944451	0.4276236	0.5345929	6	0.84634887
ENSG00000249684	5	RP11-423H2.3	177377336	rs56788004	5	177349231	C	A	0.356859	0.0041995	0.00831887	0.613689	0.635892	0.0855836	1.09E-13	0.00660411	0.0131124	0.6145038	0.665867	7	0.90683002
ENSG00000204677	5	FAM153C	177433406	rs12518640	5	177430041	G	A	0.50497	-0.0030536	0.00808328	0.705606	-0.653007	0.0667288	1.29E-22	0.00467617	0.0123878	0.705815	0.4571807	20	0.93847294
ENSG00000218227	5	RP11-889L3.1	177482605	rs7731593	5	177432595	G	A	0.493042	0.00150822	0.00808074	0.85194	0.654247	0.0590963	1.74E-28	0.00230528	0.012353	0.8519607	0.3110522	20	0.97754318
ENSG00000145911	5	N4BP3	177540444	rs3812076	5	177551154	T	C	0.277336	0.0105009	0.00947218	0.267603	-0.495734	0.0653951	3.44E-14	-0.0211825	0.0193106	0.2726692	0.4865222	7	0.76067603
ENSG00000145916	5	RMND5B	177557997	rs116443589	5	177583563	T	A	0.0178926	0.0276854	0.0245629	0.259691	1.56845	0.207101	3.64E-14	0.0176514	0.0158331	0.2649175	0.417255	3	0.74898997
ENSG00000050767	5	COL23A1	177664619	rs2973739	5	177820134	C	T	0.555666	0.0126076	0.00806652	0.118064	0.532076	0.0568515	8.05E-21	0.0236951	0.0153704	0.1231696	0.1718362	10	0.6305293
ENSG00000250420	5	AACSP1	178191862	rs71611467	5	178259838	A	G	0.321074	0.00154072	0.00859177	0.857683	0.943543	0.104451	1.67E-19	0.00163291	0.00910765	0.8577102	0.9921886	20	0.97828063
ENSG00000178187	5	ZNF454	178368192	rs903981	5	178390237	G	T	0.572565	9.49E-05	0.0081779	0.990737	-0.67381	0.0614706	5.85E-28	-0.0001409	0.0121368	0.990737	0.8703863	20	0.9989377
ENSG00000254158	5	RP11-281O15.5	178424970	rs10071113	5	178512644	A	G	0.0626243	0.00606037	0.0174097	0.727763	0.879251	0.148996	3.61E-09	0.00689265	0.019835	0.7282165	0.2422327	6	0.94150792
ENSG00000253520	5	RP11-798K23.5	178954225	rs72824544	5	179041029	T	C	0.0894632	0.00581706	0.0130664	0.65618	1.07852	0.157802	8.22E-12	0.00539356	0.0121408	0.6568613	0.4315123	11	0.92318646
ENSG00000176783	5	RUFY1	178977559	rs72824531	5	179034368	A	G	0.104374	0.00777108	0.0124248	0.531677	0.634953	0.111777	1.34E-08	0.0122388	0.0196863	0.5341443	0.1961486	8	0.87557054
ENSG00000244945	5	RP11-1379J22.2	179022905	rs112294644	5	179056024	T	C	0.189861	1.01E-05	0.00998665	0.99919	0.409102	0.0728521	1.96E-08	2.48E-05	0.0244112	0.9991898	0.6167425	10	0.999953
ENSG00000169045	5	HNRNPH1	179041179	rs4078141	5	179051538	A	G	0.347913	0.00598375	0.00873919	0.493532	-0.262024	0.0442239	3.12E-09	-0.0228366	0.0335746	0.4963928	0.8620887	6	0.86435789
ENSG00000127022	5	CANX	179105629	rs13164674	5	179122774	T	C	0.506958	0.012572	0.00805749	0.118692	-0.277776	0.033092	4.70E-17	-0.0452595	0.029504	0.1250269	0.9387792	20	0.63282784
ENSG00000161021	5	MAML1	179159851	rs62406189	5	179200909	G	C	0.0139165	-0.0261884	0.0261003	0.31568	-1.63146	0.180292	1.44E-19	0.0160521	0.0160962	0.3186366	0.9505646	5	0.79066347
ENSG00000161010	5	C5orf45	179261436	rs10277	5	179264731	C	T	0.518887	-0.0154053	0.0082913	0.0631684	-0.50437	0.0610533	1.44E-16	0.0305437	0.0168496	0.06987413	0.5232301	16	0.52255701
ENSG00000248367	5	CTB-129O4.1	179720245	rs76025377	5	179722398	A	G	0.195825	0.00851875	0.0117924	0.470051	-0.468925	0.0577216	4.51E-16	-0.0181666	0.025247	0.4717996	0.1789958	16	0.85740342
ENSG00000131459	5	GFPT2	179727690	rs57442299	5	179824575	A	G	0.0884692	0.0273273	0.0152133	0.0724519	-0.658123	0.0967534	1.03E-11	-0.0415231	0.0239086	0.08243313	0.1986567	10	0.55924915
ENSG00000196670	5	ZFP62	180274611	rs2591464	5	180288455	C	G	0.777336	0.0182734	0.00971456	0.0599667	-0.298418	0.0465779	1.49E-10	-0.0612342	0.0339276	0.07109787	0.06642264	12	0.52706524
ENSG00000146054	5	TRIM7	180620924	rs416574	5	180626927	G	A	0.289264	-0.0028547	0.00865826	0.741619	0.702534	0.0732057	8.25E-22	-0.0040635	0.0123316	0.7417656	0.05328557	20	0.94621977
ENSG00000250900	5	CTC-338M12.6	180622496	rs254465	5	180615933	C	T	0.294235	-0.0019708	0.00872227	0.821242	0.622766	0.098714	2.81E-10	-0.0031646	0.0140147	0.8213544	0.2479893	13	0.96842597
ENSG00000248514	5	CTC-338M12.1	180632361	rs254456	5	180633194	A	G	0.276342	-0.003878	0.00869466	0.655582	0.596295	0.0652386	6.23E-20	-0.0065035	0.0145985	0.6559651	0.04456377	20	0.92318646
ENSG00000146063	5	TRIM41	180649499	rs2771000	5	180667048	A	C	0.149105	0.0134462	0.012531	0.283255	0.392031	0.0632417	5.68E-10	0.0342988	0.0324397	0.2903695	0.403294	14	0.77388729
ENSG00000248275	5	TRIM52-AS1	180688213	rs10479610	5	180694405	C	T	0.271372	0.0055056	0.00897631	0.539646	-0.844282	0.0601798	1.03E-44	-0.006521	0.010642	0.5400334	0.1670359	20	0.87702834
ENSG00000112685	6	EXOC2	485133	rs6936164	6	692805	G	C	0.701789	-0.0022963	0.00937725	0.806551	-0.344802	0.0596748	7.56E-09	0.00665971	0.0272205	0.8067211	0.5595278	7	0.96575552
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.18373	0.0944434	4.88E-36	0.00724254	0.00839844	0.3884857	0.7873668	20	0.82295689
ENSG00000145949	6	MYLK4	2663863	rs4959699	6	2678750	C	T	0.418489	-0.0083268	0.0083157	0.316666	-0.621402	0.0835619	1.03E-13	0.0134	0.0135029	0.321014	0.5244109	11	0.79092452
ENSG00000021355	6	SERPINB1	2832566	rs386713	6	2842139	T	C	0.693837	0.00570864	0.00847151	0.500399	-0.639792	0.0848991	4.85E-14	-0.0089227	0.0132939	0.5021025	0.42395	5	0.86667263
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.989947	0.0798531	2.71E-35	-0.0026864	0.00830054	0.7462114	0.4555084	19	0.94803543
ENSG00000170542	6	SERPINB9	2887500	rs116210820	6	2903509	T	A	0.0974155	-0.004386	0.011877	0.711916	0.784939	0.12165	1.10E-10	-0.0055877	0.0151559	0.7123655	0.1854684	4	0.93968224
ENSG00000124570	6	SERPINB6	2948393	rs7769922	6	2971893	G	A	0.770378	-0.0020296	0.00877939	0.817175	0.379983	0.0493919	1.43E-14	-0.0053413	0.0231151	0.8172568	0.5954167	20	0.96731428
ENSG00000244041	6	LINC01011	2988201	rs2326106	6	2989582	G	T	0.793241	0.00510731	0.00993143	0.607072	0.554687	0.0755269	2.07E-13	0.00920755	0.0179484	0.6079505	0.5673496	20	0.90341567
ENSG00000124588	6	NQO2	2988221	rs6925694	6	3021278	G	C	0.522863	-0.0079249	0.0081066	0.328277	0.652983	0.0744896	1.85E-18	-0.0121365	0.0124917	0.331266	0.9032103	19	0.79942417
ENSG00000137275	6	RIPK1	3064225	rs2064310	6	3080324	A	C	0.934394	-0.0069587	0.0138303	0.614861	-0.963855	0.111422	5.13E-18	0.00721961	0.0143732	0.6154586	0.9911505	6	0.90739666
ENSG00000272277	6	RP1-40E16.12	3068279	rs12663589	6	3069057	T	C	0.544732	-0.0014399	0.00827713	0.861898	-0.68619	0.0838699	2.80E-16	0.00209835	0.0120652	0.8619296	0.475783	20	0.97828063
ENSG00000137267	6	TUBB2A	3153903	rs9328145	6	3144908	A	G	0.684891	-0.0162291	0.00864966	0.0606178	-0.47882	0.062216	1.40E-14	0.0338939	0.0185936	0.06832161	0.2653415	11	0.51868861
ENSG00000180822	6	PSMG4	3231637	rs4959783	6	3260093	A	G	0.842942	0.00995894	0.0117077	0.394975	0.509806	0.0643492	2.33E-15	0.0195348	0.023097	0.3976808	0.08693145	18	0.82860146
ENSG00000228793	6	RP1-223B1.1	3594481	rs226950	6	3716413	A	G	0.675944	0.012455	0.00884688	0.159179	0.638423	0.0894602	9.58E-13	0.019509	0.0141245	0.1672112	0.1707719	15	0.66475683
ENSG00000185689	6	C6orf201	4079440	rs627902	6	4134497	A	G	0.0894632	-0.0040141	0.0113037	0.722507	0.729146	0.0853228	1.28E-17	-0.0055052	0.015516	0.7227357	0.7726487	10	0.94070655
ENSG00000198721	6	ECI2	4115923	rs613709	6	4120683	A	G	0.332008	-0.0028872	0.00928731	0.755896	-0.417232	0.0492047	2.26E-17	0.00691984	0.0222743	0.7560553	0.9838514	20	0.95258055
ENSG00000214113	6	LYRM4	5102827	rs389691	6	5098654	T	C	0.692843	0.00519606	0.00938002	0.579613	0.661894	0.0829441	1.46E-15	0.00785029	0.0142056	0.5805237	0.31717	20	0.89290364
ENSG00000124783	6	SSR1	7268539	rs72818961	6	7297674	C	T	0.0347913	-0.0271692	0.0285434	0.34117	-1.16023	0.151285	1.73E-14	0.0234171	0.0247903	0.344859	0.8226802	12	0.8110906
ENSG00000124784	6	RIOK1	7389729	rs9379100	6	7378441	A	G	0.357853	0.00534614	0.00854025	0.53132	-0.409356	0.0602432	1.08E-11	-0.0130599	0.020951	0.5330521	0.6929371	20	0.87557054
ENSG00000124786	6	SLC35B3	8413301	rs59591748	6	8429639	C	T	0.417495	-0.002414	0.00811622	0.766143	-0.294208	0.0523726	1.94E-08	0.00820491	0.0276253	0.7664612	0.6619135	3	0.95514229
ENSG00000272097	6	RP11-421M1.8	10743557	rs529124	6	10738813	T	C	0.370775	0.00334397	0.0082708	0.685984	-0.611105	0.077619	3.46E-15	-0.005472	0.013552	0.6863758	0.08581484	9	0.92986305
ENSG00000153157	6	SYCP2L	10748027	rs518204	6	10829319	T	C	0.646123	0.00579233	0.00897542	0.518697	0.56106	0.0823082	9.32E-12	0.0103239	0.0160688	0.5205604	0.4626548	15	0.87239215
ENSG00000215022	6	RP1-257A7.4	13265093	rs555100	6	13318609	A	G	0.217694	0.00738236	0.0112047	0.509983	0.765166	0.0885239	5.45E-18	0.00964805	0.014686	0.5112086	0.2012508	17	0.86972749
ENSG00000145979	6	TBC1D7	13266774	rs499818	6	13332467	A	G	0.239563	-0.0010551	0.0103634	0.918909	0.780775	0.0827591	3.94E-21	-0.0013513	0.013274	0.9189136	0.1293193	20	0.98810654
ENSG00000145990	6	GFOD1	13358062	rs519890	6	13414548	A	G	0.706759	-0.0033433	0.00917791	0.715654	-0.597974	0.0505532	2.78E-32	0.005591	0.0153556	0.7157826	0.3056658	20	0.93968224
ENSG00000124523	6	SIRT5	13574816	rs112443954	6	13574491	C	G	0.293241	0.00123147	0.00873709	0.887912	-0.707439	0.0699348	4.71E-24	-0.0017407	0.0123515	0.8879223	0.9499593	15	0.98447405
ENSG00000050393	6	MCUR1	13786789	rs3734672	6	13787578	A	G	0.212724	-0.0018601	0.0113631	0.869973	-0.431312	0.064517	2.31E-11	0.00431256	0.0263533	0.8700114	0.1676854	10	0.97828063
ENSG00000152954	6	NRSN1	24126350	rs1533726	6	24126405	T	G	0.0715706	0.0108609	0.011808	0.357679	-1.18472	0.141476	5.57E-17	-0.0091675	0.0100269	0.360563	0.2502583	8	0.81746804
ENSG00000124532	6	MRS2	24403153	rs12523750	6	24399680	A	G	0.309145	-0.0111258	0.00834712	0.182567	-0.2776	0.0475371	5.23E-09	0.0400785	0.0308422	0.1937823	0.2436882	6	0.6955129

ENSG00000112308	6	C6orf62	24705089	rs3813687	6	24719978	A	G	0.148111	0.00757317	0.0102208	0.458721	0.63658	0.0689392	2.61E-20	0.0118967	0.0161074	0.4601605	0.5650501	14	0.8565704
ENSG00000168405	6	CMAHP	25081548	rs1547055	6	25111320	G	A	0.702783	-0.0002314	0.0092556	0.980056	-0.316976	0.0577273	4.00E-08	0.00072996	0.0292	0.9800559	0.6006874	5	0.99743376
ENSG00000272462	6	U91328.19	25992890	rs9393681	6	26008260	C	T	0.456262	-0.0023008	0.00808979	0.776095	-0.661202	0.0721469	4.97E-20	0.00347975	0.0122409	0.7762008	0.04852022	20	0.95802127
ENSG00000186470	6	BTN3A2	26365387	rs72841536	6	26378288	A	T	0.111332	-0.0704274	0.0145569	1.31E-06	-1.16646	0.105976	3.54E-28	0.060377	0.0136319	9.46E-06	0.02127446	20	0.02385156
ENSG00000124508	6	BTN2A2	26383324	rs1131936	6	26394320	G	A	0.137177	0.0139488	0.011781	0.236413	0.669042	0.0963504	3.82E-12	0.0208489	0.0178629	0.2431448	0.1816827	11	0.73716233
ENSG00000026950	6	BTN3A1	26402465	rs9467734	6	26379694	G	T	0.200795	-0.0036702	0.0099542	0.712349	0.531589	0.0857114	5.57E-10	-0.0069041	0.0187584	0.7128331	0.00997798	9	0.93968224
ENSG00000111801	6	BTN3A3	26440700	rs742090	6	26415637	C	A	0.56163	-0.0256227	0.00809299	0.00154529	0.647912	0.0842836	1.50E-14	-0.0395466	0.0135088	0.00341729	0.3042507	20	0.23296373
ENSG00000181315	6	ZNF322	26636518	rs2498342	6	26644921	A	G	0.5666	-0.0060545	0.00810291	0.454941	-0.604002	0.0651415	1.82E-20	0.010024	0.0134589	0.4563995	0.00142997	20	0.85417294
ENSG00000112812	6	PRSS16	27215480	rs4452638	6	27229265	A	G	0.0964215	-0.0728139	0.0156945	3.49E-06	0.985228	0.122034	6.84E-16	-0.0739056	0.0183728	5.76E-05	0.1064676	20	0.07879415
ENSG00000124613	6	ZNF391	27342394	rs4713094	6	27373078	A	G	0.743539	-0.0093934	0.00832653	0.259264	0.739656	0.0687549	5.44E-27	-0.0126997	0.011319	0.2618713	0.2143718	20	0.74586579
ENSG00000219392	6	RP1-265C24.5	28083406	rs4713141	6	28101678	C	G	0.197813	-0.0344822	0.0103452	0.0008586	-0.891245	0.0847907	7.68E-26	0.0386899	0.0121772	0.00148685	0.03108611	20	0.16825689
ENSG00000198315	6	ZKSCAN8	28109688	rs9368548	6	28034737	G	A	0.192843	-0.0400716	0.0110471	0.00028638	-0.270445	0.0455725	2.95E-09	0.148169	0.0478742	0.00196836	0.2113331	19	0.19455888
ENSG00000226314	6	ZNF192P1	28129559	rs9295761	6	28147987	G	A	0.199801	-0.0353327	0.0103472	0.00063853	1.10958	0.0820932	1.26E-41	-0.0318433	0.00961833	0.00093066	0.0108098	20	0.16825689
ENSG00000216901	6	AL022393.7	28143966	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	1.09934	0.0749062	9.16E-49	-0.0198276	0.00812833	0.01471485	0.00288986	20	0.34725322
ENSG00000218016	6	ZNF192P2	28155828	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	-0.614746	0.0834685	1.77E-13	0.0354574	0.0151205	0.01902751	0.00122496	20	0.35949739
ENSG00000137185	6	ZSCAN9	28192664	rs3130896	6	28983887	G	A	0.0695825	-0.0897	0.0186457	1.50E-06	0.506352	0.0893086	1.43E-08	-0.177149	0.0482931	0.00024425	0.2364145	12	0.12238708
ENSG00000197062	6	RP5-874C20.3	28234788	rs2394049	6	28239681	G	A	0.403579	-0.0294714	0.00853373	0.00055333	-0.543913	0.0505792	5.69E-27	0.054184	0.0164787	0.0010086	0.202631	20	0.16825689
ENSG00000235109	6	ZSCAN31	28292470	rs12663002	6	28441634	T	C	0.128231	-0.009056	0.0113082	0.42323	0.913552	0.1456	3.51E-10	-0.0099129	0.0124787	0.4269698	0.08958244	20	0.8462547
ENSG00000187987	6	ZSCAN23	28399707	rs1361387	6	28412929	G	T	0.449304	-0.0258558	0.00832944	0.00190831	0.57353	0.055436	4.37E-25	-0.0450819	0.0151627	0.00294712	0.1693124	20	0.22173741
ENSG00000204681	6	GABBR1	29523406	rs3025626	6	29591864	A	G	0.0964215	0.0243645	0.0179362	0.174337	0.576554	0.0702466	2.26E-16	0.0422588	0.0315325	0.180191	0.1819997	9	0.67831927
ENSG00000204642	6	HLA-F	29690552	rs2975033	6	29822261	A	G	0.322068	0.00506143	0.00851515	0.552243	0.734176	0.0721509	2.55E-24	0.00689403	0.011618	0.5529193	0.5358045	20	0.88133611
ENSG00000214922	6	HLA-F-AS1	29694378	rs915667	6	29798140	G	A	0.411531	-0.001981	0.0084887	0.815473	-0.785132	0.079187	3.59E-23	0.00252317	0.0108148	0.8155232	0.7250259	20	0.96637758
ENSG00000239257	6	RPL23AP1	29694446	rs1736976	6	29773999	G	A	0.304175	-0.0038417	0.00950774	0.686169	-0.656143	0.0838657	5.13E-15	0.00585496	0.0145097	0.6865647	0.4003218	20	0.92986773
ENSG00000273340	6	MICE	29709508	rs3131878	6	29665841	C	T	0.522863	0.00310575	0.00840785	0.711839	-0.79148	0.0861938	4.21E-20	-0.003924	0.0106315	0.7120618	0.2334225	20	0.93968224
ENSG00000181126	6	HLA-V	29758731	rs12195207	6	29938507	T	C	0.326044	0.00740645	0.00837653	0.376594	0.819595	0.0962515	1.66E-17	0.00903672	0.0102753	0.3791507	0.7546363	20	0.82033551
ENSG00000176998	6	HCG4	29758816	rs2734960	6	29849674	C	T	0.322068	0.00606602	0.00850511	0.475709	1.06104	0.0888457	7.10E-33	0.00571705	0.00803011	0.4764944	0.9402045	20	0.85740342
ENSG00000204632	6	HLA-G	29794744	rs17179851	6	29924440	C	T	0.130219	-0.0133705	0.0135074	0.32224	0.720908	0.119139	1.44E-09	-0.0185467	0.0189857	0.3286285	0.6123809	19	0.79786027
ENSG00000233265	6	MICF	29820140	rs7763507	6	29922887	T	C	0.629225	0.0106275	0.00828581	0.199626	0.591772	0.105376	1.96E-08	0.0179588	0.0143622	0.2111475	0.4926376	20	0.71149138
ENSG00000230521	6	HCG4P7	29855071	rs2844820	6	29841280	C	T	0.33002	0.00649634	0.00850018	0.444713	1.05027	0.0773357	5.22E-42	0.0061854	0.00810613	0.4454325	0.3561089	20	0.85417294
ENSG00000206341	6	HLA-H	29855350	rs2734960	6	29849674	C	T	0.322068	0.00606602	0.00850511	0.475709	1.07497	0.0761967	3.40E-45	0.00564297	0.00792206	0.4762722	0.1284097	20	0.85740342
ENSG00000231130	6	HLA-T	29864431	rs2844825	6	29833198	G	T	0.408549	0.010393	0.00832146	0.211689	0.680065	0.0960204	1.42E-12	0.0152824	0.0124251	0.2187112	0.5219182	20	0.72284625
ENSG00000227262	6	HCG4B	29893760	rs2523769	6	29811022	C	A	0.291252	0.0127789	0.00924068	0.166697	-0.703901	0.104239	1.45E-11	-0.0181544	0.0134003	0.175488	0.01106131	15	0.67151653
ENSG00000230795	6	HLA-K	29894236	rs1611713	6	29829251	C	A	0.242545	-0.0236446	0.0103536	0.0223888	-1.09182	0.0868431	3.00E-36	0.0216561	0.00963806	0.02464387	0.1052762	20	0.38644663
ENSG00000228078	6	HLA-U	29901878	rs112863520	6	29913430	T	C	0.185885	-0.0068299	0.0121065	0.57265	0.701415	0.125166	2.10E-08	-0.0097374	0.0173474	0.5745817	0.0115687	16	0.89166741
ENSG00000206503	6	HLA-A	29909037	rs2517674	6	29935806	T	G	0.2167	0.0193363	0.0103751	0.062362	-0.841001	0.0850952	4.93E-23	-0.022992	0.012554	0.06703461	0.9282887	20	0.51528995
ENSG00000235290	6	HLA-W	29924373	rs2735114	6	29910034	A	G	0.425447	0.00136457	0.00812057	0.866552	0.683725	0.0874182	5.23E-15	0.00199579	0.0118797	0.8665833	0.2335209	20	0.97828063
ENSG00000204623	6	ZNRD1-AS1	29968788	rs3134879	6	30015905	C	T	0.390656	-0.0111296	0.00813184	0.171111	-0.471489	0.0496711	2.26E-21	0.0236052	0.0174255	0.1755336	0.4122949	20	0.67151653
ENSG00000237669	6	HCG4P3	29973898	rs7750514	6	29974000	C	T	0.0954274	0.012525	0.0187008	0.503014	-0.844045	0.10573	1.43E-15	-0.0148393	0.022234	0.5045086	0.9846024	20	0.86796708
ENSG00000204622	6	HLA-J	29974360	rs2734957	6	29850684	G	A	0.37674	0.0108888	0.00835266	0.192358	0.905578	0.0813929	9.37E-29	0.0120241	0.00928667	0.1953978	0.5792033	20	0.69727012
ENSG00000066379	6	ZNRD1	30026676	rs2844804	6	29942126	G	T	0.488072	0.0131728	0.00805077	0.101795	0.373746	0.0678495	3.62E-08	0.0352453	0.0224709	0.1167682	0.6389138	5	0.61960894
ENSG00000204619	6	PPP1R11	30034486	rs2285805	6	30042861	G	C	0.0447316	0.0138512	0.0245041	0.571896	0.667611	0.10257	7.57E-11	0.0207474	0.0368423	0.573339	0.7523485	20	0.89066314
ENSG00000204618	6	RNF39	30038043	rs12663534	6	30047301	C	A	0.0377734	-0.0003568	0.0265357	0.989273	1.65611	0.146733	1.53E-29	-0.0002154	0.0160229	0.9892726	0.7254613	20	0.9989377
ENSG00000234127	6	TRIM26	30152232	rs2072107	6	30166935	A	G	0.137177	0.034437	0.0146955	0.0191104	-0.597189	0.0951371	3.45E-10	-0.0576652	0.0262666	0.02813652	0.3361481	12	0.4027262
ENSG00000231074	6	HCG18	30255174	rs2516698	6	30232374	A	G	0.055666	0.0583276	0.0481725	0.225969	0.500143	0.0806054	5.48E-10	0.116622	0.0981342	0.2346791	0.0480723	7	0.7275513
ENSG00000204560	6	DHX16	30620896	rs3094099	6	30626698	C	T	0.0586481	0.00393444	0.0239529	0.869528	-0.47072	0.0768627	9.12E-10	-0.0083583	0.050904	0.869575	0.0444239	3	0.97828063
ENSG00000137312	6	FLOT1	30695486	rs12527415	6	30754540	T	C	0.337972	0.0236426	0.00947228	0.0125609	-0.510443	0.061355	8.83E-17	-0.0463178	0.0193741	0.01681615	0.4739685	20	0.35094177
ENSG00000213780	6	GTF2H4	30875961	rs114979217	6	30977515	G	A	0.0139165	0.0387902	0.051554	0.4518	2.17684	0.252872	7.40E-18	0.0178195	0.0237732	0.4535191	0.333062	13	0.85417294
ENSG00000137411	6	VARS2	30876019	rs2517457	6	30898442	T	C	0.356859	-0.0096534	0.00827763	0.243531	0.60281	0.066666	1.53E-19	-0.0160141	0.0138455	0.2474248	0.0054884	20	0.74117736
ENSG00000204536	6	CCHCR1	31110216	rs1265177	6	31161577	G	A	0.178926	-0.024926	0.0113556	0.0281611	0.837802	0.103265	4.93E-16	-0.0297517	0.0140414	0.03410228	0.2061623	20	0.42178047
ENSG00000137310	6	TCF19	31126319	rs3130932	6	31133943	A	C	0.667992	-0.009015	0.0081957	0.271348	-0.775356	0.0818663	2.77E-21	0.0116269	0.0106413	0.2745616	0.386755	20	0.76215034
ENSG00000204531	6	POU5F1	31132119	rs6929502	6	31309784	T	C	0.354871	0.00478765	0.00808824	0.5539	0.715553	0.10717	2.44E-11	0.00669084	0.0113478	0.5554489	0.4453565	20	0.88245128
ENSG00000204528	6	PSORS1C3	31141512	rs11966319	6	31229678	T	C	0.127237	0.00574136	0.00981893	0.558734	1.23662	0.132557	1.07E-20	0.00464278	0.00795572	0.559504	0.06135212	20	0.88271976
ENSG00000272501	6	Xbac-BPG299F13.	31162977	rs9468882	6	31151039	A	T	0.327038	0.00813004	0.00829794	0.327201	-0.47023	0.0604308	7.18E-15	-0.0172895	0.0177859	0.3310055	0.397578	20	0.79942417
ENSG00000206344	6	HCG27	31165537	rs3130518	6	31191709	C	T	0.877734	0.0044743	0.0113493	0.693407	0.810833	0.0829624	1.46E-22	0.00551815	0.0140085	0.6936435	0.03307671	20	0.93468508
ENSG00000204525	6	HLA-C	31236526	rs9264587	6	31236524	G	A	0.727634	0.0223077	0.00884245	0.0116423	-0.904189	0.0647713	2.75E-44	-0.0246715	0.00993784	0.01304341	0.1399998	20	0.33878364
ENSG00000214892	6	USP8P1	31243349	rs2246954	6	31265262	G	A	0.592445	0.00397926	0.00821873	0.628265	-0.508613	0.0901886	1.71E-08	-0.0078238	0.0162185	0.6295253	0.3930896	14	0.9147988
ENSG00000231402	6	WASF5P	31255287	rs2524060	6	31267422	C	A	0.795229	0.0215422	0.00946912	0.0229066	-0.844198	0.0972902	4.06E-18	-0.0255179	0.0115958	0.02776318	0.00310549	20	0.4027262
ENSG00000234745	6	HLA-B	31321649	rs2523570	6	31329734	T	C	0.2167	0.00376804	0.0127629	0.767816	0.557504	0.0727645	1.83E-14	0.00675877	0.0229099	0.7679825	0.01382671	20	0.95514229
ENSG00000271581	6	Xbac-BPG248L24.	31324424	rs2523585	6	31327504	C	T	0.724652	0.0189114	0.00899775	0.0355721	-1.12142	0.0831539	1.89E-41	-0.0168638	0.00812039	0.03782716	0.01566907	20	0.44087342
ENSG00000204520	6	MICA	31371356	rs4959071	6	31346436	C	T	0.172962	-0.0060522	0.0102891	0.556388	1.19579	0.12276	2.02E-22	-0.0050612	0.00862011	0.5571075	0.06011137	20	0.88271976
ENSG00000204516	6	MICB	31462658	rs2516400	6	31481105	A	G	0.270378	-0.0048772	0.0088107	0.579888	1.31859	0.0806899	5.00E-60	-0.0036988	0.00668574	0.5801051	0.00588512	20	0.89290364
ENSG00000198563	6	DDX39B	31497996	rs1799964	6	31542308	C	T	0.209742	0.0302621	0.0103449	0.00344096	0.375104	0.0624385	1.88E-09	0.0806766	0.0306746	0.00853649	0.2099399	12	0.29231653
ENSG00000204463	6	BAG6	31606805	rs2844462	6	31651247	A	G	0.0477137	0.0166426	0.0270633	0.538587	0.808263	0.100217	7.32E-16	0.0205906	0.0335805	0.5397633	0.1927044	19	0.87687618
ENSG00000240053	6	LY6G5B	31637944	rs805290	6	31648403	T	C	0.296223	-0.0197443	0.00827973	0.017095	-0.471472	0.0480804	1.06E-22	0.041878	0.0180733	0.02049704	0.04181045	20	0.36295776
ENSG00000204428	6	LY6G5C	31644461	rs805290	6	31648403	T	C	0.296223	-0.0197443	0.00827973	0.017095	-1.15992	0.07111	8.16E-60	0.0170221	0.00721407	0.01829597	0.00866929	20	0.35949739
ENSG00000213722	6	DDAH2	31694815	rs805306	6	31692163	G	A	0.360835	-0.0302543	0.00808486	0.00018249	-0.331774	0.0438383	3.79E-14	0.0911895	0.0271847	0.00079526	0.05416344	20	0.16825689
ENSG00000204351	6	SKIV2L	31926857	rs2734326	6	31943585	C	T	0.141153	0.0294523	0.0152044	0.0527351	0.92567	0.0710263	7.97E-39	0.0318173	0.0166057	0.05535974	0.3385825	20	0.49855845
ENSG00000204344	6	STK19	31938868	rs2734326	6	31943585	C	T	0.141153	0.0294523	0.0152044	0.0527351	0.628592	0.107019	4.26E-09	0.0468544	0.0254695	0.06582249	0.5003642	4	0.51205428
ENSG00000244731	6	C4A	31949801	rs1265905	6	31909941	G	A	0.0725646	-0.0417551	0.0141302	0.00312637	-1.40698	0.144571	2.20E-22	0.0296771	0.0104957	0.00469049	0.2842215	20	0.25424468
ENSG00000204338	6	CYP21A1P	31973413	rs3134971	6	32654149	C	A	0.105368	-0.0332053	0.0134379	0.0134732	-1.19827	0.140586	1.55E-17	0.027711	0.0116762	0.01763018	0.7011463	20	0.35607708
ENSG00000250535	6	STK19P	31981047	rs34085630	6	32799329	C	A	0.0188867	-0.0405889	0.0239635	0.0903067	2.28559	0.308131	1.19E-13	-0.0177586	0.0107545	0.0986821	0.852727	20	0.5994087
ENSG00000224389	6	C4B	31982539	rs3096690	6	32194630	C	G	0.0805169	-0.0345821	0.0137734	0.0120462	0.811084	0.129267	3.51E-10	-0.0426369	0.0182906	0.01974901	0.0254163	20	0.35949739
ENSG00000231852	6	CYP21A2	32006042	rs9275576	6	32679326	T	C	0.10338	-0.0333265	0.0134759	0.0133965	1.12514	0.143972	5.50E-15	-0.0296199	0.0125625	0.01838329	0.01705093	20	0.35949739
ENSG00000204308	6	RNF5	32146131	rs3130347	6	32134656	C	T	0.200795	-0.0304902	0.0112853	0.00689731	-0.705474	0.0926322	2.62E-14	0.0432195	0.0169735	0.01088767	0.03949092	20	0.31487106
ENSG00000213654	6	GPSM3	32158543	rs112126052	6	32173757	A	T	0.0596421	-0.0022612	0.028125	0.93592	0.808406	0.133222	1.29E-09	-0.0027972	0.0347937	0.9359253	0.2775505	6	0.99333365
ENSG00000204301	6	NOTCH4	32162620	rs434841	6	32191041	A	G	0.301193	-0.0057649	0.00866021	0.505622	-0.351114	0.0533304	4.59E-11	0.0164187	0.0247907	0.5077827	0.6796203	20	0.86831771
ENSG00000228962	6	HCG23	32358287	rs543928	6	32285248	A	G	0.60835	-0.0037433	0.00823383	0.649379	0.547766	0.0926804	3.42E-09	-0.0068338	0.0150761	0.6503424	0.1372056	19	0.92270646
ENSG00000198502	6	HLA-DRB5	32485120	rs9271466	6	32588606	G	C	0.856859	-0.0218431	0.0113766	0.054858	-1.34979	0.104763	5.52E-38	0.0161826	0.00852149	0.05756021	0.744191	20	0.49855845
ENSG00000229391	6	HLA-DRB6	32520490	rs9268889	6	32431886	G	A	0.322068	-0.0041497	0.00939514	0.658719	0.824865	0.0816822	5.61E-24	-0.0050307	0.0114008	0.659025	0.9999815	20	0.92410154
ENSG00000196126	6	HLA-DRB1	32546546	rs9270959	6	32573267	A	G	0.741551	0.00272332	0.00859799	0.751441	-0.7313	0.071801	2.31E-24	-0.0037239	0.0117628	0.7515577	0.9753763	20	0.95191014
ENSG00000179344	6	HLA-DQB1	32627244	rs9272350	6	32604410	A	T	0.54672	-0.005392	0.00808014	0.504567	-0.884854	0.0683271	2.34E-38	0.00609371	0.00914372	0.5051325	1	20	0.86796708
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs9274669	6	32636591	G	A	0.606362	-0.0059653	0.00807186	0.45989	-0.551744	0.0836524	4.23E-11	0.0108118	0.0147213	0.4626855	1	20	0.85686907
ENSG00000237541	6	HLA-DQA2	32709119	rs9272358	6	32604538	A	G	0.370775	-0.0062262	0.00858014	0.46805	0.775934	0.0847511	5.41E-20	-0.0080242	0.0110925	0.4694426	0.8705664	20	0.85740342
ENSG00000232629	6	HLA-DQB2	32723875	rs9274575	6	32635226	G	T	0.537773	-0.0048101	0.00805867	0.550586	0.746956	0.0860198	3.84E-18	-0.0064396	0.0108141	0.5515252	1	20	0.88133611
ENSG00000241106	6	HLA-DOB	32780540	rs1894406	6	32787056	T	C	0.364811	-0.0139794	0.00809801	0.0842985	-0.956055	0.0812411	5.70E-32	0.014622	0.00856088	0.08763686	0.4182759	20	0.57305356
ENSG00000204267	6	TAP2	32789610	rs4148869	6	32806576	T	C	0.4334	0.00373889	0.00832992	0.65354	0.710497	0.0761752	1.09E-20	0.00526236	0.0117376	0.6539137	0.1785727	20	0.92291695
ENSG00000242574	6	HLA-DMB	32902406	rs73409691	6	32963948	T	G	0.0516899	-0.0240632	0.0157567	0.126717	0.976838	0.146144	2.32E-11	-0.0246338	0.016546	0.1365382	0.4299247	7	0.63721248
ENSG00000204257	6	HLA-DMA	32916390	rs73409691	6	32963948	T	G	0.0516899	-0.0240632	0.0157567	0.126717	1.80143	0.151816	1.78E-32	-0.0133578	0.00881892	0.1298537	0.4304135	20	0.63721248
ENSG00000204256	6	BRD2	32936437	rs206783	6	32932150	A	C	0.403579	0.00157548	0.00805967	0.84502	-0.325731	0.0418375	6.94E-15	-0.0048368	0.0247511	0.8450678	0.00937867	19	0.97638016
ENSG00000204252	6	HLA-DOA	32971955	rs381218	6	32977420	T	G	0.252485	0.0196728	0.00895179	0.027975	-1.04421	0.0946337	2.61E-28	-0.0188399	0.00874116	0.03113781	0.3809052	20	0.41804706
ENSG00000231389	6	HLA-DPA1	33032346	rs2395309	6	33026246	G	A	0.188867	-0.0196145	0.012963	0.130249	-1.07529	0.0951064	1.22E-29	0.0182411	0.0121628	0.1336809	0.9959761	20	0.63721248
ENSG00000223865	6	HLA-DPB1	33043703	rs2295118	6	33060892	T	C	0.315109	0.0096152	0.009214	0.296697	-0.438711	0.076072	8.07E-09	-0.0219169	0.0213435	0.3044832	0.8556658	15	0.77894167
ENSG00000231461	6	HLA-DPA2	33059530	rs58820708	6	33062739	A	G	0.0437376	0.0314775	0.0581245	0.588127	1.6741	0.220073	2.80E-14	0.0188026	0.0348077	0.5890688	0.1238619	18	0.89548788
ENSG00000224557	6	HLA-DPB2	33080228	rs3116972	6	33114950	G	A	0.416501	-0.0058105	0.00812921	0.474751	0.976303	0.0769863	7.49E-37	-0.0059515	0.00833974	0.4754519	0.0802014	20	0.85740342
ENSG00000237398	6	HLA-DPA3	33098993	rs9277770	6	33098678	G	T	0.642147	0.00642545	0.0083058	0.439161	0.823323	0.0987478	7.58E-17	0.00780429	0.0101315	0.4411212	0.08840189	20	0.85417294
ENSG00000230313	6	HCG24	33112560	rs9277791	6	33100487	A	G	0.144135	0.0213132	0.011066	0.0541041	1.21224	0.12686	1.23E-21	0.0175817	0.00931213	0.05902074	0.09482404	20	0.50245075
ENSG00000204248	6	COL11A2	33130458	rs721846	6	33123679	G	A	0.560636	0.00620589	0.00818825	0.44851	0.654952	0.0704548	1.46E-20	0.00947534	0.0125435	0.4500117	0.08276568	20	0.85417294
ENSG00000204231	6	RXRB	33161365	rs3130150	6	33114678	C	T	0.56163	0.00600116	0.00818769	0.46359	0.419008	0.0499057	4.62E-17	0.0143223	0.019615	0.465285	0.07180868	19	0.85740342
ENSG00000204228	6	HSD17B8	33172419	rs213209	6	33176958	T	C	0.307157	0.0172808	0.00899017	0.0545821	-0.358289	0.0599305	2.25E-09	-0.0482315	0.026357	0.06726062	0.9854116	20	0.51528995
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.980219	0.0916905	1.13E-26	-0.0101421	0.0182768	0.5789529	0.4323714	14	0.89169006
ENSG00000030110	6	BAK1	33540329	rs210143	6	33546930	C	T	0.72664	0.00953471	0.00975137	0.328182	-0.407711	0.0627934	8.42E-11	-0.023386	0.024187	0.3336043	0.9380689	6	0.80220905
ENSG00000137288	6	UQCC2	33662070	rs35095444	6	33651975	G	C	0.180915	0.0236336	0.0118445	0.0460076	-0.533447	0.0635697	4.80E-17	-0.0443036	0.0228228	0.05223391	0.09245526	20	0.49125213
ENSG00000161904	6	LEMD2	33738979	rs9357164	6	33761021	C	T	0.503976	-0.019619	0.00805245	0.0148341	-0.350819	0.0397705	1.13E-18	0.0559234	0.0238127	0.01885081	0.00032137	20	0.35949739
ENSG00000124493	6	GRM4	33989628	rs2451359	6	34026938	T	C	0.918489	-0.0088868	0.0129939	0.494026	-1.08051	0.111972	4.92E-22	0.00822462	0.0120559	0.4951074	0.9394867	5	0.86367134
ENSG00000124614	6	RPS10	34385231	rs570578681	6	34237379	C	G	0.11829	-0.0311203	0.0121957	0.0107189	-0.399914	0.0704504	1.37E-08	0.0778175	0.0334353	0.01994381	0.05061382	11	0.35949739
ENSG00000065060	6	UHRF1BP1	34759857	rs11755393	6	34824636	G	A	0.353877	-0.0088546	0.00845523	0.294992	0.394755	0.0471964	6.06E-17	-0.0224306	0.0215862	0.2987488	0.08789235	17	0.77863838
ENSG00000198755	6	RPL10A	35436185	rs77612799	6	35554266	T	C	0.0407555	-0.0190736	0.0160663	0.235158	-1.03175	0.131661	4.64E-15	0.0184866	0.0157496	0.2404802	0.7488716	6	0.73506518
ENSG00000112053	6	SLC26A8	35911291	rs2395649	6	35977862	C	T	0.399602	-0.015582	0.00818613	0.056981	-0.627712	0.068459	4.77E-20	0.0248235	0.0133193	0.06235987	0.3811929	12	0.50845953
ENSG00000112062	6	MAPK14	35995488	rs9296174	6	36090015	C	T	0.559642	0.0182678	0.00813284	0.0246928	0.295578	0.0518704	1.21E-08	0.0618037	0.0295755	0.03664543	0.6236333	6	0.43471496
ENSG00000156711	6	MAPK13	36095586	rs3752525	6	36070671	T	G	0.560636	0.0183583	0.00810457	0.0235017	-0.842717	0.063141	1.24E-40	-0.0217847	0.00975472	0.02553292	0.3650206	20	0.38885634
ENSG00000246982	6	RP1-179N16.6	36114475	rs2859135	6	36114703	T	C	0.637177	-0.0149821	0.00919647	0.103288	-0.539104	0.0839417	1.34E-10	0.0277907	0.0175991	0.1143125	0.095735	5	0.61794187
ENSG00000198663	6	C6orf89	36839646	rs7741378	6	36867790	A	G	0.232604	0.0225573	0.0109309	0.0390526	-0.452845	0.0677493	2.32E-11	-0.0498124	0.0252625	0.04863333	0.2216864	9	0.4810399
ENSG00000164530	6	PI16	36922209	rs60875770	6	36915662	C	T	0.2167	-0.0167384	0.0110709	0.130554	0.733073	0.0941215	6.78E-15	-0.0228332	0.015384	0.1377502	0.03295724	10	0.63721248
ENSG00000112130	6	RNF8	37321748	rs2284923	6	37348920	T	C	0.476143	-0.000555	0.00829417	0.946653	-0.310885	0.0409073	2.97E-14	0.00178513	0.0266803	0.9466547	0.7265341	8	0.99338916
ENSG00000124767	6	GLO1	38643701	rs12209475	6	38669792	T	C	0.378728	-0.0095676	0.00873586	0.273427	-0.25482	0.0419432	1.24E-09	0.0375463	0.0348351	0.2811092	0.4924486	11	0.76652901
ENSG00000164627	6	KIF6	39297766	rs113412831	6	39693193	T	A	0.0745527	0.00301838	0.0154952	0.845554	0.572482	0.0993483	8.29E-09	0.00527245	0.0270822	0.8456409	0.9703987	3	0.97638016
ENSG00000204091	6	TDRG1	40302693	rs72859110	6	40315474	T	G	0.181909	0.00167754	0.0104638	0.87263	-0.705916	0.0856501	1.70E-16	-0.0023764	0.0148258	0.8726541	0.4886778	18	0.97882059
ENSG00000204092	6	LINC00951	40312083	rs72859110	6	40315474	T	G	0.181909	0.00167754	0.0104638	0.87263	-0.828533	0.0825968	1.11E-23	-0.0020247	0.0126309	0.8726464	0.4661796	20	0.97882059
ENSG00000226070	6	RP11-552E20.4	40326483	rs72859110	6	40315474	T	G	0.181909	0.00167754	0.0104638	0.87263	-0.653828	0.0896234	2.98E-13	-0.0025657	0.0160078	0.8726607	0.3702059	13	0.97882059
ENSG00000156564	6	LRFN2	40359325	rs730743	6	40316912	G	C	0.277336	-0.0027351	0.00830851	0.742012	-0.763962	0.0774695	6.12E-23	0.00358013	0.0108816	0.7421504	0.2226179	20	0.94621977
ENSG00000001167	6	NFYA	41040684	rs62396348	6	41113528	G	T	0.132207	0.00932999	0.0136151	0.493176	0.563869	0.0954573	3.48E-09	0.0165464	0.0243078	0.4960597	0.6711534	5	0.86435789
ENSG00000161912	6	ADCY10P1	41068761	rs56246713	6	41105094	G	T	0.43837	0.0165887	0.00809636	0.0404706	0.586902	0.0655441	3.42E-19	0.0282649	0.0141516	0.04579383	0.0355898	15	0.46900462
ENSG00000112561	6	TFEB	41651716	rs4711690	6	41708938	G	C	0.128231	0.00044683	0.0124116	0.971282	0.693614	0.0729044	1.83E-21	0.0006442	0.0178942	0.9712819	0.0039436	16	0.99667023
ENSG00000137218	6	FRS3	41737914	rs12530404	6	41728161	T	C	0.323062	-0.0252739	0.00896451	0.00481249	0.5213	0.0505836	6.64E-25	-0.0484824	0.0178283	0.00653997	0.8063267	15	0.26652974
ENSG00000124641	6	MED20	41873092	rs2479721	6	41817495	A	G	0.470179	0.0187033	0.00806483	0.0203887	-0.43947	0.0676192	8.08E-11	-0.0425588	0.0194846	0.02894561	0.5761743	13	0.40979852
ENSG00000048545	6	GUCA1A	42123144	rs4714583	6	42183686	A	G	0.637177	0.00411479	0.00886397	0.642494	0.639916	0.10621	1.69E-09	0.0064302	0.0138928	0.6434766	0.328253	3	0.92065454
ENSG00000112599	6	GUCA1B	42152139	rs722269	6	42194916	C	T	0.635189	0.00517389	0.0089352	0.562559	0.847273	0.0819494	4.69E-25	0.00610652	0.0105624	0.5631697	0.04556072	9	0.88385716
ENSG00000048544	6	MRPS10	42174539	rs7749339	6	42170662	C	T	0.838966	0.0210517	0.0141199	0.135981	0.403312	0.0659219	9.47E-10	0.0521971	0.0360344	0.1474681	0.3899717	3	0.64632659
ENSG00000024048	6	UBR2	42531800	rs2207260	6	42653569	T	C	0.255467	-0.0163405	0.00974698	0.0936462	0.398311	0.0491844	5.57E-16	-0.0410245	0.0249896	0.1006604	0.2121072	20	0.5994087
ENSG00000112619	6	PRPH2	42664340	rs13214506	6	42672574	A	G	0.256461	-0.011786	0.00938047	0.208955	1.13752	0.0921266	5.03E-35	-0.0103611	0.00828901	0.2113049	0.08326248	20	0.71149138
ENSG00000146223	6	RPL7L1	42847356	rs9471941	6	42857827	G	A	0.26839	-0.0074257	0.0106047	0.483787	-0.339169	0.0570311	2.73E-09	0.0218938	0.0314827	0.4867894	0.6273489	7	0.86252211
ENSG00000124713	6	GNMT	42928496	rs2296804	6	42931261	G	C	0.588469	0.00247486	0.00811008	0.760246	-0.611351	0.0773197	2.64E-15	-0.0040482	0.0132757	0.7604183	0.8430677	14	0.9547369
ENSG00000124587	6	PEX6	42931608	rs9462857	6	42943098	C	T	0.461233	-0.0003489	0.00832965	0.966589	0.437861	0.044798	1.45E-22	-0.0007968	0.0190237	0.9665892	0.7122562	20	0.99660087
ENSG00000124733	6	MEA1	42979832	rs116750300	6	42981633	A	C	0.028827	0.0206368	0.0265999	0.437854	0.788924	0.132776	2.82E-09	0.0261582	0.0340029	0.4417197	0.7865055	3	0.85417294
ENSG00000044090	6	CUL7	43005355	rs78583122	6	43004551	A	G	0.0168986	0.0551013	0.049797	0.268502	1.28209	0.182716	2.27E-12	0.0429777	0.0393205	0.2743887	0.7862847	4	0.76215034
ENSG00000112667	6	DNPH1	43193367	rs77379690	6	43186775	T	A	0.0666004	-0.0131989	0.0148651	0.374587	-0.449695	0.080712	2.52E-08	0.0293508	0.0334731	0.3805696	0.5120975	4	0.82033551
ENSG00000137216	6	TMEM63B	44094651	rs4714761	6	44117607	T	C	0.0755467	-0.0161988	0.0151619	0.285345	1.01481	0.0912918	1.05E-28	-0.0159624	0.0150095	0.2875608	0.1683198	14	0.77196158
ENSG00000112759	6	SLC29A1	44187242	rs693955	6	44191920	C	A	0.821074	0.00621077	0.011802	0.598716	-0.446387	0.0815607	4.42E-08	-0.0139134	0.0265609	0.6003959	0.1111934	4	0.899969
ENSG00000146221	6	TCTE1	44246480	rs324137	6	44273546	C	A	0.553678	-0.0077396	0.0080588	0.33686	-0.440277	0.0518801	2.13E-17	0.0175788	0.0184208	0.3399344	0.07184544	18	0.80868773
ENSG00000196284	6	SUPT3H	44777054	rs11961316	6	45029598	C	T	0.284294	0.00218665	0.00913485	0.810816	0.886935	0.0838937	4.01E-26	0.0024654	0.010302	0.8108628	0.2377895	20	0.96594546
ENSG00000112796	6	ENPP5	46126924	rs2235881	6	46129345	A	G	0.534791	0.0202999	0.00806528	0.0118378	-0.5033	0.0528638	1.72E-21	-0.0403336	0.0165753	0.01495973	0.2278769	17	0.34725322
ENSG00000153291	6	SLC25A27	46620678	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	0.882103	0.0711881	2.92E-35	0.0267062	0.0103437	0.00982662	0.7735498	20	0.31486913
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.839079	0.0674264	1.50E-35	-0.0280755	0.0108721	0.00981301	0.7345105	20	0.31486913
ENSG00000146070	6	PLA2G7	46671938	rs1421378	6	46703513	G	A	0.395626	0.0179181	0.00848555	0.0347208	0.756625	0.079372	1.53E-21	0.0236816	0.0114869	0.03924323	0.03147101	20	0.44087342
ENSG00000270761	6	RP11-385F7.1	47444979	rs9381564	6	47443806	G	A	0.252485	0.00309156	0.00999211	0.757018	-0.847548	0.0930428	8.30E-20	-0.0036477	0.0117962	0.7571528	0.6244691	18	0.95324857
ENSG00000198087	6	CD2AP	47445525	rs79704124	6	47571625	A	G	0.0596421	0.00841232	0.0240609	0.726619	0.47065	0.0834684	1.71E-08	0.0178738	0.0512209	0.7271223	0.1723086	3	0.94121967
ENSG00000153294	6	GPR115	47653600	rs12664466	6	47636725	A	G	0.367793	0.00093725	0.00817175	0.908687	-0.659873	0.0731964	1.97E-19	-0.0014204	0.0123848	0.9086948	0.183817	20	0.98743921
ENSG00000146085	6	MUT	49398073	rs78391179	6	49485047	G	A	0.0129225	0.021391	0.0381926	0.575423	1.57666	0.16961	1.46E-20	0.0135673	0.0242677	0.576115	0.2539101	16	0.89169006
ENSG00000197261	6	C6orf141	49518113	rs11758292	6	49554928	A	G	0.322068	0.028178	0.00885706	0.00146555	-1.0475	0.100464	1.87E-25	-0.0269002	0.00884027	0.00234294	0.3389597	20	0.20600918
ENSG00000170915	6	PAQR8	52226219	rs78714107	6	52238085	C	G	0.191849	0.0150883	0.00990504	0.127686	0.378186	0.0557625	1.18E-11	0.0398965	0.0268434	0.1372085	0.2010009	4	0.63721248
ENSG00000216775	6	RP1-152L7.5	52529946	rs1513356	6	52529046	G	C	0.713718	0.0105628	0.00889226	0.234886	-0.877146	0.0932922	5.35E-21	-0.0120422	0.0102183	0.2385988	0.4343177	15	0.73295341
ENSG00000146147	6	MLIP	53794780	rs10484654	6	53882737	T	G	0.405567	-0.0018322	0.00834232	0.826159	-0.951596	0.0797642	8.25E-33	0.00192543	0.00876815	0.8261877	0.1906097	18	0.96886182

ENSG00000124749	6	COL21A1	55921388	rs72645374	6	56144358	C	T	0.107356	0.0148685	0.012251	0.224879	1.46572	0.143113	1.29E-24	0.0101442	0.00841683	0.2281171	0.7031184	20	0.7275513
ENSG00000151917	6	BEND6	56819773	rs9396250	6	56871297	A	G	0.755467	-0.0014246	0.00868718	0.869744	0.450248	0.0454226	3.68E-23	-0.0031639	0.0192969	0.8697622	0.5586643	20	0.97828063
ENSG00000168116	6	KIAA1586	56911347	rs6459180	6	57030894	C	T	0.242545	0.00403203	0.00858896	0.638753	-0.452689	0.0589135	1.54E-14	-0.0089068	0.0190086	0.6393773	0.6822923	12	0.91799509
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs6915273	6	58283185	T	C	0.373757	-0.0078325	0.00860069	0.362463	-0.589921	0.0565667	1.83E-25	0.0132772	0.0146349	0.3642856	0.452726	20	0.81816933
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs6915273	6	58283185	T	C	0.373757	-0.0078325	0.00860069	0.362463	0.390357	0.0504312	9.91E-15	-0.0200649	0.0221849	0.3657604	0.2289373	18	0.81816933
ENSG00000215190	6	LINC00680	58272352	rs6937922	6	58218257	G	A	0.602386	0.00482142	0.00835744	0.564006	-0.975088	0.0831783	9.73E-32	-0.0049446	0.00858133	0.5644771	0.9443391	20	0.88385716
ENSG00000168216	6	LMBRD1	70385694	rs9364051	6	70421612	A	G	0.435388	0.0100397	0.00841599	0.232898	0.368088	0.0522562	1.87E-12	0.0272753	0.0231896	0.2395216	0.1806304	8	0.73355309
ENSG00000082293	6	COL19A1	70576463	rs7773157	6	70846022	A	G	0.450298	-0.0058854	0.0081533	0.470391	-0.38774	0.0675272	9.36E-09	0.0151787	0.0211933	0.4738645	0.8328548	3	0.85740342
ENSG00000271967	6	RP11-134K13.4	71306141	rs6455371	6	71273253	G	A	0.37674	-0.009342	0.00816642	0.252641	-0.46011	0.0649558	1.41E-12	0.0203039	0.0179788	0.2587606	0.9477839	12	0.74586579
ENSG00000119900	6	OGFRL1	71998506	rs1322760	6	72040511	G	A	0.424453	-0.0050206	0.00845849	0.552808	-0.870938	0.0716404	5.26E-34	0.0057646	0.0097235	0.5532799	0.03350606	20	0.88133611
ENSG00000079841	6	RIMS1	72596406	rs2463751	6	72927273	G	A	0.375746	0.0027308	0.00880624	0.756486	0.234017	0.0411325	1.28E-08	0.0116692	0.0376866	0.7568357	0.5438773	9	0.95324857
ENSG00000256980	6	KHDC1L	73933267	rs9446876	6	73959534	A	G	0.135189	-0.0035984	0.0107336	0.737441	0.773392	0.0958045	6.88E-16	-0.0046527	0.0138906	0.7376592	0.987121	20	0.94584644
ENSG00000229852	6	RP11-398K22.12	73972938	rs75743537	6	73985435	G	A	0.0437376	0.0192143	0.0215826	0.373322	0.592356	0.107738	3.84E-08	0.0324371	0.0369097	0.3794979	0.589243	4	0.82033551
ENSG00000234882	6	EIF3EP1	74001685	rs16883564	6	74010614	G	A	0.0765408	-0.0095814	0.0124164	0.440307	0.723869	0.0946016	1.98E-14	-0.0132363	0.0172398	0.4426197	0.760909	20	0.85417294
ENSG00000203908	6	KHDC3L	74072400	rs1974368	6	73979368	T	C	0.206759	0.00830051	0.00932587	0.373438	0.478203	0.0738669	9.55E-11	0.0173577	0.0196854	0.3779079	0.5360826	6	0.82033551
ENSG00000080007	6	DDX43	74104471	rs558198	6	74104557	G	C	0.584493	0.00342801	0.0080984	0.67208	0.520934	0.0941817	3.18E-08	0.00658051	0.0155914	0.6729808	0.9626824	7	0.92466627
ENSG00000118407	6	FILIP1	76001575	rs7743227	6	76026749	C	A	0.59841	0.00978224	0.00824839	0.235639	-0.451426	0.0663014	9.85E-12	-0.0216696	0.018547	0.2426592	0.9789338	9	0.73696264
ENSG00000112701	6	SENP6	76311225	rs7744029	6	76285537	T	C	0.340954	0.00787951	0.00864879	0.362267	-0.245417	0.04379	2.09E-08	-0.0321066	0.0357038	0.3685199	0.4850481	7	0.81816933
ENSG00000196586	6	MYO6	76458909	rs7773977	6	76569177	T	C	0.313121	0.00417996	0.0087185	0.631629	0.2818	0.0435722	9.97E-11	0.0148331	0.0310235	0.6325621	0.04937689	10	0.91688388
ENSG00000146243	6	IRAK1BP1	79577189	rs6912683	6	79543492	A	C	0.478131	0.0234473	0.00807797	0.0037005	0.620147	0.0670944	2.40E-20	0.0378093	0.0136531	0.00561803	0.1002653	20	0.26570111
ENSG00000260645	6	RP11-250B2.5	81176675	rs9448933	6	81061059	C	G	0.333002	0.0039355	0.00899136	0.661605	-0.449446	0.0814745	3.46E-08	-0.0087563	0.0200683	0.6625997	0.01291662	16	0.92466627
ENSG00000112773	6	FAM46A	82201156	rs12199575	6	82647678	C	T	0.212724	-0.0194558	0.0099929	0.0515383	0.819852	0.0950457	6.36E-18	-0.0237309	0.0124953	0.0575401	0.07892487	14	0.49855845
ENSG00000220563	6	PKMP3	86369610	rs4348284	6	86350394	T	C	0.420477	-0.0299646	0.00805458	0.00019907	-0.441337	0.0703469	3.53E-10	0.0678951	0.0212178	0.00137472	0.8062497	15	0.16825689
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.683817	0.062149	3.70E-28	0.0460037	0.0124828	0.00022837	0.7138267	19	0.12238708
ENSG00000111850	6	SMIM8	88032301	rs12175145	6	87984028	G	A	0.0944334	0.0064939	0.0128523	0.613369	0.726034	0.0835657	3.68E-18	0.00894435	0.017732	0.6139669	0.5837548	19	0.90683002
ENSG00000203872	6	C6orf163	88054567	rs9353471	6	87984952	T	C	0.0964215	0.0069553	0.0128383	0.587983	-0.733569	0.121581	1.60E-09	-0.0094815	0.0175716	0.5894792	0.919985	8	0.89548788
ENSG00000164414	6	SLC35A1	88180341	rs2295085	6	88240047	C	T	0.236581	0.00799773	0.00960505	0.405037	0.241227	0.0428278	1.78E-08	0.0331544	0.0402502	0.4101062	0.2524712	7	0.83688257
ENSG00000146281	6	PM20D2	89855769	rs1048641	6	89874857	G	T	0.297217	-0.0065666	0.00886929	0.459074	0.307181	0.0504213	1.11E-09	-0.0213769	0.0290856	0.4623613	0.9788771	11	0.85658817
ENSG00000261366	6	MANEA-AS1	96023059	rs7740179	6	96025358	G	A	0.62326	0.00218019	0.00809425	0.78766	-0.478268	0.0629099	2.91E-14	-0.0045585	0.0169347	0.78779	0.2406213	10	0.9600829
ENSG00000172469	6	MANEA	96025419	rs28385617	6	96051264	C	A	0.0755467	0.0312485	0.0168673	0.0639396	-0.799525	0.108306	1.56E-13	-0.0390838	0.0217509	0.07235355	0.1580173	18	0.52783538
ENSG00000172461	6	FUT9	96463860	rs9377367	6	96536969	C	T	0.125249	0.00099998	0.0101491	0.921512	-0.62161	0.0692747	2.88E-19	-0.0016087	0.0163281	0.9215168	0.2256337	17	0.98950443
ENSG00000014123	6	UFL1	96969471	rs3798293	6	97033370	G	A	0.237575	-0.0004193	0.0103289	0.96762	0.320539	0.0486249	4.34E-11	-0.0013081	0.0322241	0.967621	0.3896226	10	0.99660087
ENSG00000123545	6	NDUFAF4	97337189	rs6568649	6	97332805	T	C	0.822068	-0.0069684	0.0113855	0.540509	-0.332631	0.0422791	3.62E-15	0.0209493	0.034332	0.5417307	0.6753608	9	0.87809147
ENSG00000184486	6	POU3F2	99282580	rs2294405	6	99292136	A	G	0.295229	0.0110319	0.00864523	0.20193	0.338801	0.058645	7.60E-09	0.0325616	0.0261322	0.2127521	0.3723017	3	0.71308732
ENSG00000228506	6	RP11-98I9.4	99872798	rs4840044	6	99888013	G	A	0.493042	-0.0012041	0.00807225	0.881422	1.00272	0.0791253	8.39E-37	-0.0012008	0.00805091	0.8814303	0.2381202	20	0.98237677
ENSG00000219755	6	RP1-199J3.5	100023588	rs7753232	6	99961212	T	C	0.808151	0.0107807	0.00879245	0.220147	0.828153	0.116295	1.07E-12	0.0130178	0.0107732	0.2269124	0.9068928	19	0.72746085
ENSG00000112249	6	ASCC3	100956070	rs4840153	6	101213723	A	G	0.500994	0.00215032	0.00807426	0.789994	-0.365722	0.0620528	3.78E-09	-0.0058797	0.0221001	0.7902035	0.5722145	20	0.96012471
ENSG00000085382	6	HACE1	105175968	rs2499660	6	105285750	C	T	0.515905	-0.0033317	0.00807326	0.679836	0.568836	0.0544681	1.57E-25	-0.0058571	0.0142037	0.6800717	0.4546828	20	0.9275455
ENSG00000130348	6	QRSL1	107077453	rs2054365	6	107077502	A	G	0.383698	-0.0065645	0.00831098	0.429614	-0.758972	0.0614586	4.91E-35	0.00864913	0.0109727	0.4305551	0.6719649	20	0.84751306
ENSG00000229654	6	RP1-60O19.2	107143410	rs1986498	6	107128204	A	C	0.379722	0.00172587	0.00821776	0.833654	0.784864	0.0850889	2.86E-20	0.00219894	0.010473	0.8336968	0.1111111	18	0.97259615
ENSG00000081087	6	OSTM1	108362613	rs9400199	6	108400033	C	T	0.210736	-0.0224479	0.00948392	0.0179354	0.351578	0.0490032	7.25E-13	-0.063849	0.0284054	0.02459024	0.1326791	10	0.38644663
ENSG00000135537	6	LACE1	108616098	rs1537860	6	108694275	T	C	0.850895	-0.0185025	0.0112776	0.100871	-0.61624	0.0869901	1.40E-12	0.0300248	0.0187851	0.1099682	0.1163992	11	0.6111904
ENSG00000118690	6	ARMC2	109169619	rs2252345	6	109244436	A	G	0.771372	-0.0047155	0.0103754	0.649479	-0.775917	0.0639694	7.37E-34	0.0060773	0.0133812	0.649708	0.4405947	20	0.92241203
ENSG00000185250	6	PPIL6	109711418	rs10080925	6	109660592	A	C	0.0755467	-0.0132109	0.0131341	0.314491	-0.935465	0.162597	8.75E-09	0.0141223	0.0142531	0.321774	0.09422504	3	0.79179693
ENSG00000155085	6	AK9	109814059	rs12198938	6	109822632	G	A	0.409543	-0.0148856	0.00816083	0.0681475	-0.564826	0.0660334	1.19E-17	0.0263543	0.0147733	0.07443663	0.9003686	20	0.53776146
ENSG00000053328	6	METTL24	110567131	rs4945854	6	110679062	G	T	0.894632	-0.0467437	0.0131289	0.00037034	1.12288	0.150898	9.97E-14	-0.0416284	0.0129616	0.00131961	0.1394295	9	0.16825689
ENSG00000203797	6	DDO	110712974	rs9374176	6	110737247	T	C	0.40159	-0.0131257	0.00810024	0.105144	0.526573	0.0694127	3.30E-14	-0.0249266	0.01573	0.1130433	0.7349118	13	0.61693447
ENSG00000173214	6	KIAA1919	111580551	rs6933627	6	111600809	T	C	0.502982	-0.0026591	0.00805635	0.741355	0.369519	0.0643658	9.42E-09	-0.0071961	0.0218383	0.7417657	0.1924534	4	0.94621977
ENSG00000009413	6	REV3L	111620234	rs9487668	6	111874669	A	G	0.203777	-0.0150704	0.00911671	0.0983196	0.37623	0.0564542	2.66E-11	-0.0400563	0.0249661	0.1086188	0.6753905	9	0.60962213
ENSG00000255389	6	C6orf3	111921078	rs9481169	6	111929862	T	G	0.105368	-0.0270014	0.0150236	0.0722936	-0.904758	0.100189	1.71E-19	0.0298438	0.0169308	0.07795202	0.7764323	20	0.54909325
ENSG00000203778	6	FAM229B	112408802	rs6940134	6	112417353	A	G	0.499006	0.00213896	0.0081114	0.792012	0.512141	0.0624228	2.32E-16	0.00417651	0.0158464	0.7921175	0.06904473	8	0.96044334
ENSG00000178425	6	NT5DC1	116422012	rs9488836	6	116435795	T	C	0.361829	-0.0114409	0.00866003	0.186465	-0.345303	0.0605927	1.21E-08	0.0331329	0.0257446	0.1980996	0.07459649	20	0.70012354
ENSG00000196911	6	KPNA5	117002350	rs9400936	6	116928857	A	G	0.294235	-0.0010067	0.00862151	0.907045	-0.257268	0.0423955	1.29E-09	0.00391308	0.033518	0.9070616	0.6062683	12	0.98739107
ENSG00000111877	6	MCM9	119134605	rs144714889	6	119184075	G	A	0.62326	0.0123205	0.00863776	0.153767	-0.535387	0.0838955	1.75E-10	-0.0230123	0.0165318	0.1639203	0.9055691	8	0.66127026
ENSG00000146350	6	TBC1D32	121400640	rs2884396	6	121500067	C	T	0.913519	-0.0135746	0.0152478	0.373322	-0.646232	0.10508	7.75E-10	0.0210058	0.0238409	0.3782734	0.4876403	5	0.82033551
ENSG00000172594	6	SMPDL3A	123110315	rs72968540	6	123110621	G	C	0.0616302	0.0017797	0.0159829	0.911339	-0.939865	0.126858	1.27E-13	-0.0018936	0.0170074	0.9113486	0.81553	5	0.98753784
ENSG00000186439	6	TRDN	123537483	rs4260764	6	123788344	A	T	0.517893	0.0103682	0.00816104	0.203926	-0.453487	0.0824049	3.73E-08	-0.0228633	0.0184695	0.2157562	0.8312114	3	0.71695913
ENSG00000188580	6	NKAIN2	124125286	rs699378	6	124532196	G	A	0.73161	-0.0076294	0.00926006	0.409994	-0.409677	0.0625957	5.96E-11	0.018623	0.0227817	0.4136695	0.8611231	18	0.83806414
ENSG00000237742	6	RP11-624M8.1	125899704	rs3966775	6	126067655	A	C	0.507952	-0.0038237	0.00805858	0.635155	-0.542135	0.0751144	5.30E-13	0.00705297	0.0148966	0.6358843	0.2019187	20	0.91732007
ENSG00000066651	6	TRMT11	126307576	rs6920788	6	126331988	T	C	0.712724	-0.0262441	0.00950152	0.00574315	-0.343872	0.0510627	1.65E-11	0.0763194	0.0298648	0.01060363	0.2888536	4	0.31487106
ENSG00000198945	6	L3MBTL3	130334844	rs7740107	6	130374461	A	T	0.734592	0.00324847	0.00911463	0.721539	-0.614781	0.098509	4.35E-10	-0.005284	0.01485	0.7219739	0.105236	4	0.9406747
ENSG00000197594	6	ENPP1	132129156	rs1800949	6	132128564	T	C	0.217694	0.00916444	0.0106238	0.38834	-0.658719	0.0897934	2.20E-13	-0.0139125	0.0162391	0.3915941	0.07026656	8	0.82515482
ENSG00000146411	6	SLC2A12	134309835	rs2811689	6	134372711	T	G	0.489066	0.00263727	0.00810098	0.744765	0.525255	0.0759672	4.70E-12	0.00502093	0.01544	0.7450378	0.2340493	5	0.94746104
ENSG00000118514	6	ALDH8A1	135238528	rs4440481	6	135276696	C	T	0.424453	0.00070948	0.00806854	0.929931	-0.913857	0.0618932	2.46E-49	-0.0007764	0.00882926	0.9299324	0.1709631	20	0.99191324
ENSG00000232876	6	CTA-212D2.2	135376171	rs9321481	6	135352648	C	G	0.496024	0.00346172	0.00830474	0.676798	-0.758158	0.0854343	7.05E-19	-0.004566	0.0109659	0.6771337	0.3943223	20	0.92610213
ENSG00000135541	6	AHI1	135604670	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-1.01408	0.0677067	1.03E-50	-0.0043932	0.0103143	0.6701573	0.7441308	17	0.92466627
ENSG00000234084	6	RP3-388E23.2	135622706	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.807684	0.0720499	3.64E-29	-0.0055158	0.0129541	0.6702558	0.7322789	16	0.92466627
ENSG00000197442	6	MAP3K5	136878185	rs9483947	6	137105400	T	C	0.601392	-0.0015664	0.00815092	0.847604	-0.486875	0.0755613	1.17E-10	0.00321727	0.0167487	0.8476714	0.3902561	4	0.97715336
ENSG00000051620	6	HEBP2	138724668	rs4896353	6	138723962	A	G	0.0536779	-0.003124	0.0196522	0.873696	-1.17513	0.107445	7.66E-28	0.00265845	0.0167252	0.873709	0.7363385	13	0.97918343
ENSG00000135540	6	NHSL1	138743180	rs9484174	6	138897613	T	G	0.0705765	-0.0019544	0.0151629	0.89744	0.694056	0.107348	1.01E-10	-0.002816	0.0218511	0.8974606	0.432139	6	0.98597578
ENSG00000225177	6	RP11-390P2.4	139013685	rs3088031	6	139018126	C	A	0.22167	-0.0077173	0.0102508	0.45154	0.639028	0.0734004	3.15E-18	-0.0120766	0.0161011	0.4532249	0.8849036	20	0.85417294
ENSG00000234147	6	RP3-460G2.2	141167095	rs606180	6	141179802	A	G	0.611332	-0.0047829	0.00834873	0.566719	-0.841313	0.0675867	1.44E-35	0.00568503	0.00993396	0.5671306	0.6440069	20	0.88583894
ENSG00000189007	6	ADAT2	143743969	rs9484748	6	143751904	G	A	0.311133	0.0134242	0.00919101	0.144131	0.450536	0.0542837	1.04E-16	0.0297961	0.0207136	0.1502993	0.6810128	8	0.64868045
ENSG00000203727	6	SAMD5	147830063	rs6917579	6	147948076	A	C	0.525845	-0.0330758	0.00807647	4.22E-05	0.621259	0.0797842	6.88E-15	-0.05324	0.0146885	0.00028941	0.554864	20	0.12238708
ENSG00000111962	6	UST	149068464	rs6933206	6	149099798	G	A	0.316103	-0.0099131	0.00850476	0.243779	0.588269	0.0932707	2.84E-10	-0.0168513	0.0147021	0.2517188	0.9557209	6	0.74510539
ENSG00000228408	6	RP1-111D6.3	149539062	rs9498255	6	149538517	G	C	0.302187	-0.0086107	0.00928706	0.353839	0.830205	0.072993	5.65E-30	-0.0103717	0.0112236	0.3554331	0.167613	20	0.81746804
ENSG00000131013	6	PPIL4	149825869	rs9404039	6	149832720	T	C	0.17992	0.0269002	0.00973323	0.00571413	-0.409765	0.0614135	2.52E-11	-0.0656479	0.0257103	0.01066867	0.8839729	4	0.31487106
ENSG00000220848	6	RPS18P9	149915220	rs141120557	6	150043380	A	C	0.0606362	-0.0230268	0.014837	0.120667	0.871834	0.157551	3.14E-08	-0.0264119	0.0176748	0.1350904	0.2151079	7	0.63721248
ENSG00000131023	6	LATS1	149979289	rs9968911	6	149978555	T	A	0.357853	0.0114811	0.00829163	0.166155	0.339956	0.0463462	2.21E-13	0.0337723	0.0248211	0.1736304	0.3216259	20	0.67151653
ENSG00000120253	6	NUP43	150045451	rs12526675	6	150050676	A	C	0.357853	0.0111986	0.00828901	0.176688	0.572712	0.0644439	6.28E-19	0.0195536	0.0146395	0.1816566	0.2274656	17	0.67831927
ENSG00000216906	6	RP11-350J20.9	150225379	rs7763719	6	150186535	G	T	0.435388	0.00563924	0.00816071	0.489551	0.727476	0.0757018	7.27E-22	0.00775179	0.0112468	0.49067	0.2950778	20	0.86252211
ENSG00000203722	6	RAET1G	150238014	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	1.14632	0.0798904	1.09E-46	0.00579099	0.00713402	0.4169389	0.3293243	20	0.83870271
ENSG00000131015	6	ULBP2	150263136	rs1951931	6	150296898	A	C	0.173956	-0.0137391	0.0105387	0.192342	-0.829134	0.0973752	1.67E-17	0.0165704	0.0128586	0.1975149	0.3015997	8	0.70012354
ENSG00000111981	6	ULBP1	150285143	rs62441833	6	150292894	A	G	0.100398	-0.031154	0.0151515	0.0397667	-1.24198	0.109691	1.01E-29	0.0250841	0.012399	0.04306511	0.2220988	15	0.45993902
ENSG00000120254	6	MTHFD1L	151186685	rs78756546	6	151424522	T	G	0.0695825	0.0223032	0.0144769	0.123412	-0.637633	0.11368	2.03E-08	-0.0349781	0.023545	0.1373882	0.7048687	3	0.63721248
ENSG00000112031	6	MTRF1L	153308497	rs9322407	6	153316775	A	C	0.698807	0.0292891	0.00901983	0.00116549	-1.22469	0.0742905	4.69E-61	-0.0239155	0.00750651	0.00144269	0.04099458	20	0.16825689
ENSG00000091844	6	RGS17	153325594	rs6932473	6	153438573	T	A	0.313121	-0.0369776	0.00842409	1.14E-05	-0.30236	0.0523717	7.77E-09	0.122297	0.0349994	0.0004754	0.6377255	8	0.15576743
ENSG00000235381	6	RP11-477D19.2	155574273	rs11752505	6	155563841	A	G	0.428429	-0.0104476	0.00811146	0.197743	0.961103	0.05941	7.27E-59	-0.0108704	0.00846645	0.1991623	0.9344178	20	0.70012354
ENSG00000215712	6	TMEM242	157710418	rs9346754	6	157723634	G	A	0.253479	0.00236076	0.00951857	0.804122	-0.443724	0.0519416	1.31E-17	-0.0053203	0.0214606	0.8042027	0.1981973	9	0.96495736
ENSG00000272047	6	GTF2H5	158589384	rs6900900	6	158496605	A	G	0.473161	0.00752871	0.00807286	0.351029	0.348007	0.0536016	8.44E-11	0.0216338	0.0234355	0.3559445	0.9612033	10	0.81746804
ENSG00000130338	6	TULP4	158733692	rs4710200	6	158702991	C	T	0.416501	0.0069156	0.00811684	0.39421	0.791809	0.0669748	2.99E-32	0.00873392	0.0102776	0.3954349	0.8264417	20	0.82770689
ENSG00000271913	6	RP1-111C20.4	159409210	rs16889420	6	159462896	T	C	0.055666	-0.0112941	0.0172996	0.513853	-0.601198	0.105389	1.17E-08	0.018786	0.028963	0.5165844	0.7853462	4	0.87181184
ENSG00000164694	6	FNDC1	159590429	rs426819	6	159639660	G	C	0.356859	-0.0002297	0.00830277	0.977928	-0.50771	0.0699108	3.81E-13	0.00045243	0.0163535	0.9779286	0.3548506	17	0.99743145
ENSG00000026652	6	AGPAT4	161551011	rs12211968	6	161624566	A	G	0.270378	-0.0047005	0.0103272	0.648993	0.370363	0.0622722	2.72E-09	-0.0126917	0.0279655	0.6499483	0.8626921	13	0.92241203
ENSG00000112530	6	PACRG	163148164	rs68144677	6	163149024	C	T	0.124254	0.0358217	0.0174233	0.039786	0.725479	0.112613	1.18E-10	0.0493766	0.0252097	0.05015503	0.9608035	10	0.48438334
ENSG00000026297	6	RNASET2	167342992	rs2757041	6	167370532	G	C	0.372763	0.0107771	0.00835859	0.197277	0.74864	0.070443	2.22E-26	0.0143956	0.0112469	0.2005595	0.8852787	20	0.70112374
ENSG00000235994	6	RP3-470B24.5	168376604	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.791008	0.0851279	1.51E-20	-0.0091705	0.0105893	0.3864826	0.05944134	20	0.82295689
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.807576	0.0887348	8.95E-20	-0.0089824	0.010374	0.38657	0.06436009	20	0.82295689
ENSG00000125337	6	KIF25	168396921	rs3778670	6	168400266	T	C	0.149105	0.0202577	0.0103974	0.0513748	1.24383	0.142353	2.38E-18	0.0162866	0.00856448	0.05721821	0.09379757	20	0.49855845
ENSG00000112562	6	SMOC2	168841831	rs2342637	6	169020665	T	C	0.701789	0.00179126	0.00856374	0.834317	0.431996	0.074995	8.39E-09	0.00414647	0.0198367	0.8344247	0.1777236	8	0.97259615
ENSG00000226194	6	RP1-137D17.1	169770093	rs9295018	6	169992310	G	A	0.696819	-0.0124447	0.00885116	0.159726	-0.614763	0.103907	3.29E-09	0.0202431	0.0147986	0.1713428	0.7917505	15	0.67130688
ENSG00000184465	6	WDR27	169857307	rs6459652	6	170065894	C	T	0.254473	0.0135163	0.0106041	0.202439	-0.492212	0.066006	8.85E-14	-0.0274603	0.0218562	0.2089682	0.7438974	20	0.70936613
ENSG00000236173	6	RP1-182D15.2	170209414	rs12193054	6	170210741	T	C	0.05666	-0.0187726	0.0198814	0.345052	-1.0845	0.159127	9.41E-12	0.0173099	0.0185074	0.349636	0.8762605	6	0.81376292
ENSG00000273100	6	RP11-302L19.3	170493905	rs6916701	6	170480506	G	A	0.350895	-0.0047717	0.00824723	0.56287	-0.41919	0.0666265	3.14E-10	0.0113832	0.0197572	0.5645114	0.2535066	18	0.88385716
ENSG00000198719	6	DLL1	170591294	rs903627	6	170462313	A	G	0.263419	-0.0014726	0.00856781	0.863537	0.340819	0.0609211	2.21E-08	-0.0043207	0.0251507	0.8636007	0.4692859	8	0.97828063
ENSG00000112584	6	FAM120B	170599791	rs73040868	6	170706730	C	G	0.100398	-2.82E-06	0.0152558	0.999853	0.889944	0.105807	4.06E-17	-3.17E-06	0.0171424	0.9998527	0.3274326	20	0.999953
ENSG00000261003	6	RP1-140C12.2	170723227	rs13207394	6	170713885	G	C	0.0715706	-0.0013	0.0195127	0.946881	1.00744	0.121002	8.38E-17	-0.0012904	0.0193692	0.9468829	0.2891867	16	0.99338916
ENSG00000008018	6	PSMB1	170844205	rs12717	6	170862300	C	G	0.408549	0.00742691	0.00812921	0.360923	-0.298758	0.049611	1.72E-09	-0.0248593	0.0275214	0.3663816	0.5072996	5	0.81816933
ENSG00000071994	6	PDCD2	170884383	rs117386519	6	170919480	G	A	0.0447316	-0.0651568	0.0288834	0.0240796	1.65228	0.119271	1.22E-43	-0.0394345	0.0177112	0.02597877	0.2635196	9	0.39327021
ENSG00000223855	7	AC147651.3	560028	rs9801322	7	564240	G	A	0.175944	0.00829487	0.0105012	0.429588	1.15093	0.0784102	8.88E-49	0.0072071	0.0091373	0.4302546	0.2793057	20	0.84751306
ENSG00000188191	7	PRKAR1B	588834	rs4074132	7	751220	A	G	0.476143	0.0036814	0.00811751	0.650179	0.291464	0.0495323	4.00E-09	0.0126307	0.0279334	0.6511447	0.06831408	5	0.92285128
ENSG00000164818	7	HEATR2	766338	rs4072597	7	772025	A	G	0.44334	-0.0073696	0.00807694	0.361546	0.956434	0.0619492	8.95E-54	-0.0077053	0.00845958	0.3623833	0.8106303	20	0.81796267
ENSG00000273151	7	RP11-449P15.2	919427	rs2141276	7	936449	C	T	0.425447	0.00401815	0.00845889	0.634772	0.281506	0.0502882	2.17E-08	0.0142738	0.0301567	0.635985	0.5873727	14	0.91732007
ENSG00000164849	7	GPR146	1084212	rs2280725	7	1087426	T	G	0.528827	-0.0003662	0.00807203	0.963814	-0.519644	0.0735187	1.57E-12	0.00070473	0.0155341	0.9638151	0.4678107	20	0.99642984
ENSG00000224079	7	AC091729.7	1114086	rs77346188	7	1114023	A	C	0.127237	-0.0076654	0.012165	0.528616	-0.9988	0.114882	3.49E-18	0.00767462	0.0122116	0.5296951	0.7961002	20	0.87557054
ENSG00000229043	7	AC091729.9	1200010	rs7805591	7	1210745	G	A	0.616302	0.00762966	0.00839917	0.363676	-1.2123	0.0712492	6.36E-65	-0.0062935	0.00693816	0.3643588	0.677677	20	0.81816933
ENSG00000273230	7	RP11-1246C19.1	1504133	rs4720789	7	1504976	T	C	0.7167	0.0123546	0.00891673	0.165885	-0.6004	0.0687682	2.53E-18	-0.0205773	0.0150372	0.1711781	0.805217	20	0.67130688
ENSG00000164880	7	INTS1	1509913	rs3752714	7	1542697	A	G	0.464215	0.00563973	0.00806126	0.484171	-0.750998	0.0584947	9.95E-38	-0.0075097	0.01075	0.4848192	0.5079129	20	0.86145166
ENSG00000230487	7	PSMG3-AS1	1609709	rs4518570	7	1629376	C	T	0.38668	0.00166001	0.00833866	0.842205	-0.43091	0.0648674	3.07E-11	-0.0038523	0.01936	0.8422748	0.7385	12	0.97564033
ENSG00000230444	7	TFAMP1	1654226	rs60961513	7	1614367	C	T	0.0656064	-0.0112555	0.0160208	0.482333	0.913701	0.166336	3.95E-08	-0.0123186	0.0176768	0.4858786	0.8850613	10	0.86213095
ENSG00000122687	7	FTSJ2	2273866	rs34418140	7	2278183	T	C	0.341948	-0.0029028	0.00878111	0.740969	0.538642	0.0600908	3.14E-19	-0.0053891	0.0163134	0.7411382	0.27825	20	0.94621977
ENSG00000106012	7	IQCE	2598632	rs11771877	7	2652877	T	C	0.144135	0.0178156	0.00992575	0.0726725	0.485999	0.086718	2.09E-08	0.0366577	0.0214453	0.08738398	0.2540912	5	0.57282528
ENSG00000196204	7	RNF216P1	5013619	rs147237612	7	5015502	T	A	0.10835	-0.0270319	0.0154304	0.0797976	-0.871711	0.106857	3.41E-16	0.0310102	0.0181048	0.08674745	0.5711701	15	0.57087976
ENSG00000146587	7	RBAK	5085452	rs78808268	7	5007588	C	G	0.0666004	-0.0478775	0.0203633	0.0187146	0.625809	0.109277	1.02E-08	-0.076505	0.0351747	0.02963023	0.6027359	7	0.41039362
ENSG00000159904	7	ZNF890P	5160870	rs308080	7	5888663	A	G	0.441352	-0.0029163	0.00808642	0.718365	0.913554	0.083038	3.75E-28	-0.0031923	0.00885636	0.7185102	0.9078388	20	0.93968224
ENSG00000235944	7	ZNF815P	5862791	rs117624746	7	5904664	A	C	0.0596421	0.0034912	0.0180916	0.84698	0.922736	0.143787	1.39E-10	0.00378353	0.0196153	0.847048	0.9944887	3	0.97715336
ENSG00000122674	7	CCZ1	5938356	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	0.99901	0.0924465	3.21E-27	-0.005581	0.00825654	0.4990717	0.2828804	19	0.86521828
ENSG00000122512	7	PMS2	6012870	rs1062372	7	6048973	A	C	0.194831	-0.005967	0.00911671	0.512786	-0.574861	0.0606434	2.56E-21	0.0103798	0.0158967	0.513787	0.09842881	20	0.8701887
ENSG00000207217	7	SNORA42	6056508	rs6953340	7	6041897	C	T	0.140159	-0.0157277	0.0106309	0.139023	-1.17931	0.137743	1.11E-17	0.0133364	0.0091481	0.1448879	0.2401676	20	0.64350652
ENSG00000136238	7	RAC1	6414154	rs836550	7	6440437	G	A	0.402584	0.00423688	0.00806517	0.599353	0.392742	0.0526521	8.71E-14	0.0107879	0.0205864	0.6002559	0.6836707	20	0.899969
ENSG00000164535	7	DAGLB	6448757	rs7807755	7	6488097	C	T	0.78827	-0.0048578	0.00932432	0.602378	-0.738385	0.0897287	1.89E-16	0.00657898	0.0126533	0.6031034	0.227312	16	0.90188201
ENSG00000136240	7	KDELR2	6485584	rs17777087	7	6513779	C	T	0.220676	-0.0018106	0.00941263	0.847465	0.496879	0.0776113	1.53E-10	-0.0036438	0.0189521	0.8475335	0.491256	8	0.97715336
ENSG00000136247	7	ZDHHC4	6617065	rs3088114	7	6628242	C	T	0.329026	-0.003416	0.00898878	0.703923	0.533934	0.0660678	6.39E-16	-0.0063978	0.0168536	0.7042334	0.6973057	16	0.93792353
ENSG00000228010	7	AC073343.13	6703605	rs7786706	7	6747267	T	C	0.157058	0.00596872	0.010705	0.577144	-0.639354	0.0980589	7.03E-11	-0.0093356	0.0168046	0.578528	0.1853441	9	0.89169006
ENSG00000187953	7	PMS2CL	6749759	rs4724766	7	6780906	G	A	0.28827	0.00866497	0.00907425	0.33963	-0.71053	0.0830035	1.13E-17	-0.0121951	0.0128503	0.3426154	0.1158749	20	0.80972215
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.848981	0.0879363	4.70E-22	0.00656727	0.00972041	0.4992838	0.220752	19	0.86521828
ENSG00000205897	7	OR7E136P	6906289	rs7788100	7	6898084	C	T	0.403579	0.0143257	0.00828119	0.0836469	-0.650491	0.0821907	2.48E-15	-0.0220229	0.0130312	0.09102631	0.6460618	12	0.58753346
ENSG00000106392	7	C1GALT1	7196565	rs10246303	7	7286445	T	A	0.439364	-0.0051191	0.00807606	0.526172	0.620497	0.061504	6.20E-24	-0.00825	0.0130411	0.5269867	0.1290082	20	0.87557054
ENSG00000215018	7	COL28A1	7395834	rs3823842	7	7604913	G	A	0.700795	0.0158964	0.00868545	0.0672156	0.95267	0.069719	1.66E-42	0.0166862	0.00919837	0.06967257	0.3860657	20	0.52255701
ENSG00000272732	7	RP5-1159O4.2	7589735	rs12702621	7	7606539	C	G	0.950298	-0.0164613	0.0308951	0.594165	0.800001	0.112944	1.41E-12	-0.0205766	0.0387279	0.5952029	0.2088841	14	0.8982887
ENSG00000272894	7	RP5-1159O4.1	7592093	rs73674582	7	7605391	T	C	0.254473	-0.0185873	0.00881886	0.035059	0.783852	0.0698476	3.17E-29	-0.0237128	0.0114474	0.03831589	0.3504954	20	0.44087342
ENSG00000272361	7	GS1-166A23.2	16633253	rs7807897	7	16626210	T	G	0.397614	0.00652674	0.00821888	0.427128	0.545395	0.0805777	1.30E-11	0.011967	0.015173	0.430284	0.672955	13	0.84751306
ENSG00000237773	7	AC003075.4	17319458	rs138250592	7	17301557	T	G	0.0149105	-0.0727337	0.0391145	0.062955	2.03149	0.289927	2.44E-12	-0.0358031	0.0199206	0.07228889	0.05520763	5	0.52783538
ENSG00000271133	7	CTA-293F17.1	20367922	rs55690213	7	20403740	T	C	0.0586481	-0.0007159	0.0151086	0.962207	-0.9828	0.15154	8.85E-11	0.00072844	0.0153734	0.9622082	0.02431357	5	0.99596391
ENSG00000105889	7	STEAP1B	22459063	rs58351305	7	22542138	A	G	0.0666004	0.024053	0.0125444	0.0551836	0.78086	0.130724	2.32E-09	0.0308032	0.0168722	0.06789891	0.9630202	3	0.51753701
ENSG00000196683	7	TOMM7	22852251	rs2240726	7	22853135	T	C	0.331014	-0.0024555	0.00824393	0.765813	-0.569768	0.0476899	6.70E-33	0.00430963	0.0144734	0.765885	0.9377814	20	0.95514229
ENSG00000230658	7	KLHL7-AS1	23140847	rs10241208	7	23144914	C	G	0.340954	-0.0042985	0.00870702	0.62153	0.950293	0.0798168	1.10E-32	-0.0045234	0.00917033	0.6218285	0.04191045	20	0.91051849
ENSG00000136243	7	NUPL2	23221446	rs858289	7	23248158	T	C	0.370775	0.00096703	0.00829733	0.907219	-0.639576	0.0514803	1.94E-35	-0.001512	0.0129737	0.9072228	0.3401139	20	0.98739107
ENSG00000226816	7	AC005082.12	23245632	rs6961109	7	23252413	A	G	0.360835	0.00317922	0.00879122	0.717624	0.51984	0.0868304	2.14E-09	0.00611577	0.0169422	0.718116	0.4458144	14	0.93968224
ENSG00000136235	7	GPNMB	23275586	rs199357	7	23288309	A	G	0.375746	0.00319838	0.00829287	0.699734	-0.601213	0.0740077	4.52E-16	-0.0053199	0.0138091	0.7000564	0.4501738	20	0.93756225
ENSG00000188732	7	FAM221A	23719749	rs722294	7	23746585	C	A	0.520875	0.0162061	0.00820961	0.0483771	-0.370682	0.0677392	4.44E-08	-0.0437197	0.0235443	0.06332379	0.7520197	6	0.50845953
ENSG00000196335	7	STK31	23749786	rs6962859	7	23747944	T	C	0.636183	0.00535071	0.00849067	0.528572	-0.514614	0.0631885	3.82E-16	-0.0103975	0.0165484	0.5298017	0.411369	20	0.87557054

ENSG00000214870	7	AC004540.5	26438213	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-1.07871	0.0672436	6.52E-58	0.00300461	0.00747449	0.6876974	0.09086976	13	0.93008735
ENSG00000122548	7	KIAA0087	26572740	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.753472	0.0599762	3.38E-36	0.00430155	0.010703	0.6877559	0.03502627	12	0.93008735
ENSG00000233760	7	AC004947.2	26591441	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.830956	0.0847096	1.03E-22	0.00390045	0.00970814	0.6878528	0.08168105	7	0.93008735
ENSG00000005020	7	SKAP2	26706681	rs12333525	7	26847762	T	C	0.22167	0.0132491	0.010337	0.199942	-0.691312	0.105352	5.31E-11	-0.0191652	0.0152353	0.2084119	0.053388	7	0.70795444
ENSG00000234336	7	JAZF1-AS1	28219941	rs10255700	7	28220228	T	C	0.0904573	-0.0231352	0.0152244	0.128609	-0.963428	0.0803388	3.91E-33	0.0240134	0.0159287	0.1316678	0.2128051	20	0.63721248
ENSG00000272568	7	CTB-113D17.1	29019583	rs79618308	7	29036121	G	T	0.084493	0.00460498	0.0170163	0.786682	0.828634	0.104197	1.83E-15	0.00555731	0.0205472	0.7868024	0.9927735	7	0.9600829
ENSG00000223813	7	AC007255.8	29553841	rs190386206	7	29731034	C	G	0.0159046	-0.0144125	0.0423384	0.733547	1.8159	0.261492	3.80E-12	-0.0079368	0.0233434	0.7338537	0.3716355	3	0.94453419
ENSG00000106086	7	PLEKHA8	30067020	rs11981085	7	30030523	G	T	0.164016	0.00419744	0.0115426	0.71612	0.530919	0.0625468	2.10E-17	0.00790599	0.0217607	0.71637	0.09560257	20	0.93968224
ENSG00000006625	7	GGCT	30536237	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-0.801808	0.0856104	7.55E-21	-0.0004251	0.0111269	0.9695214	0.1868717	20	0.99660087
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-1.33724	0.0736943	1.39E-73	-0.0002549	0.00667165	0.9695212	0.2453527	20	0.99660087
ENSG00000244480	7	AC005154.7	30562759	rs2529441	7	30646917	C	T	0.762425	0.00020302	0.0089538	0.98191	-0.928357	0.0793711	1.33E-31	-0.0002187	0.0096448	0.98191	0.2193499	20	0.99756656
ENSG00000180347	7	CCDC129	31553704	rs12701119	7	31587374	A	G	0.235586	-0.002622	0.00945607	0.781565	-0.646589	0.0774662	7.02E-17	0.0040551	0.0146326	0.7816824	0.1678815	9	0.95999897
ENSG00000226468	7	AC018641.7	32496575	rs10274556	7	32513947	G	A	0.16004	-0.019898	0.0118696	0.0936634	1.18329	0.116528	3.16E-24	-0.0168158	0.0101668	0.09812831	0.4644518	20	0.59814366
ENSG00000226421	7	SLC25A5P5	32511125	rs1839601	7	32549837	T	C	0.72664	-0.0020321	0.00850828	0.811231	0.535167	0.0790636	1.30E-11	-0.0037972	0.0159083	0.8113455	0.2906582	6	0.96594546
ENSG00000106355	7	LSM5	32524951	rs6944615	7	32492840	C	T	0.7833	0.00290826	0.0105267	0.782337	0.437468	0.071449	9.19E-10	0.00664794	0.0240873	0.7825528	0.4890687	4	0.95999897
ENSG00000229358	7	DPY19L1P1	32620561	rs10226019	7	32460233	C	T	0.229622	-0.0031713	0.00950659	0.738688	-0.522648	0.0793397	4.47E-11	0.00606779	0.0182126	0.7390099	0.03031023	10	0.94600023
ENSG00000170852	7	KBTBD2	32907784	rs11762628	7	32926571	C	T	0.364811	-0.0062869	0.00874077	0.47198	0.373299	0.0491071	2.92E-14	-0.0168414	0.0235195	0.4739529	0.6995035	20	0.85740342
ENSG00000205763	7	RP9P	32956427	rs2893441	7	32961379	A	C	0.185885	-0.0050358	0.00977905	0.606585	-0.713511	0.0917433	7.41E-15	0.0070577	0.0137355	0.6073724	0.870778	20	0.90341567
ENSG00000122642	7	FKBP9	32997017	rs10259453	7	33001824	C	G	0.227634	-0.0054016	0.00935975	0.563867	-0.486402	0.0709157	6.94E-12	0.0111052	0.0193108	0.5652404	0.9590119	11	0.88420078
ENSG00000122643	7	NT5C3A	33053742	rs6462455	7	33109186	A	G	0.709742	-0.0063588	0.00936719	0.497242	-0.446359	0.063553	2.17E-12	0.0142459	0.0210836	0.4992396	0.3049742	9	0.86521828
ENSG00000164619	7	BMPER	33944523	rs17169634	7	34093997	G	A	0.0984095	0.0136807	0.0176451	0.438148	-1.01455	0.130906	9.17E-15	-0.0134845	0.0174789	0.4404255	0.06562811	9	0.85397914
ENSG00000187258	7	NPSR1	34697851	rs2530566	7	34704823	G	A	0.488072	0.00748026	0.0080762	0.354337	-0.583504	0.0883833	4.06E-11	-0.0128196	0.0139764	0.3590233	0.8011721	15	0.81746804
ENSG00000173852	7	DPY19L1	34968488	rs1207906	7	35151768	C	A	0.611332	0.00569488	0.00825715	0.490389	0.479941	0.0861295	2.51E-08	0.0118658	0.0173358	0.4936797	0.1016117	12	0.86337555
ENSG00000189212	7	DPY19L2P1	35119601	rs28628772	7	35188223	T	C	0.260437	0.0155171	0.00880811	0.0781232	0.548057	0.0802065	8.31E-12	0.0283129	0.0165971	0.0880267	0.382769	20	0.57311415
ENSG00000271122	7	RP11-379H18.1	35734824	rs345404	7	35747285	T	C	0.455268	0.00157333	0.00806135	0.845261	-0.387123	0.060845	1.99E-10	-0.0040642	0.0208335	0.8453321	0.5120663	5	0.97638016
ENSG00000260070	7	RP11-182J23.1	36359384	rs11773889	7	36338589	T	C	0.230616	-0.0068567	0.0116834	0.557288	-0.564946	0.0951756	2.92E-09	0.0121368	0.0207814	0.5592039	0.5323387	4	0.88271976
ENSG00000227191	7	TRGC2	38279181	rs11973716	7	38296768	G	A	0.459245	0.00326631	0.00808161	0.686091	-0.838525	0.0729839	1.50E-30	-0.0038953	0.00964385	0.6862746	0.4166413	20	0.92986305
ENSG00000211689	7	TRGC1	38297480	rs2270169	7	38323398	A	G	0.457256	0.00030713	0.00808912	0.969713	-0.759465	0.0893467	1.89E-17	-0.0004044	0.0106512	0.9697138	0.6700128	19	0.99660087
ENSG00000261019	7	RP11-111K18.2	42940871	rs627521	7	42976197	T	C	0.871769	-0.0080952	0.016216	0.617631	0.715889	0.121762	4.12E-09	-0.0113079	0.0227331	0.6188915	0.9322365	6	0.90957203
ENSG00000136197	7	C7orf25	42948325	rs639459	7	42951936	T	G	0.870775	-0.0076844	0.0162137	0.635537	-0.864998	0.0947054	6.63E-20	0.00888377	0.0187694	0.6359916	0.5267539	17	0.91732007
ENSG00000106591	7	MRPL32	42971799	rs612464	7	42956347	A	C	0.872763	-0.0068074	0.0160479	0.671424	0.440445	0.0730077	1.61E-09	-0.0154558	0.0365256	0.672186	0.2497823	6	0.92466627
ENSG00000232006	7	AC005537.2	42993734	rs6950443	7	43152424	T	C	0.392644	0.0121532	0.00812807	0.134859	0.706926	0.102391	5.05E-12	0.0171916	0.0117643	0.143923	0.1822911	9	0.64189476
ENSG00000164543	7	STK17A	43622357	rs7778665	7	43665136	T	C	0.416501	0.0009526	0.008111	0.906507	0.33178	0.0519192	1.66E-10	0.00287119	0.0244511	0.9065224	0.3334965	4	0.98739107
ENSG00000106603	7	COA1	43648055	rs10951738	7	43673051	G	C	0.494036	-0.0017854	0.00809746	0.825489	-0.50092	0.0492431	2.63E-24	0.00356428	0.016169	0.8255288	0.3862371	20	0.96886182
ENSG00000106605	7	BLVRA	43798279	rs113208524	7	43791566	A	C	0.119284	-0.0022311	0.0117117	0.848917	-0.763271	0.0975019	4.95E-15	0.00292305	0.0153486	0.8489614	0.5822898	16	0.97747911
ENSG00000241057	7	AC004985.12	44001189	rs374639565	7	44019714	A	G	0.0984095	0.0425127	0.0150076	0.00461509	1.35608	0.110518	1.31E-34	0.0313497	0.011358	0.00577758	0.07488748	20	0.26570111
ENSG00000239556	7	AC004951.5	44024593	rs61156504	7	44032258	A	G	0.454274	-0.006998	0.00814072	0.389994	0.642774	0.073168	1.56E-18	-0.0108872	0.0127255	0.3922513	0.4591956	15	0.82527185
ENSG00000272655	7	POLR2J4	44053161	rs56000326	7	44054352	C	T	0.329026	-0.0179907	0.00874643	0.0396945	0.529654	0.0606279	2.41E-18	-0.0339669	0.016965	0.04526633	0.755641	20	0.4674609
ENSG00000228903	7	RASA4CP	44066550	rs7779716	7	44072251	T	C	0.27833	0.0135561	0.00854772	0.112756	-0.932566	0.0812552	1.72E-30	-0.0145363	0.0092529	0.1161818	0.3586738	20	0.61826457
ENSG00000235314	7	LINC00957	44078770	rs6957051	7	44095382	G	T	0.240557	0.00806253	0.00868691	0.353343	-0.938244	0.0806365	2.72E-31	-0.0085932	0.0092881	0.3548695	0.5552995	20	0.81746804
ENSG00000136279	7	DBNL	44084239	rs17546439	7	44100373	T	C	0.0656064	0.00666987	0.0200438	0.739311	0.910248	0.149503	1.14E-09	0.00732753	0.022053	0.7396863	0.2017385	4	0.9461453
ENSG00000122678	7	POLM	44111846	rs6969124	7	44094072	A	G	0.149105	0.00531995	0.0100226	0.595561	-0.422653	0.0657782	1.31E-10	-0.012587	0.0237943	0.59681	0.1311876	6	0.89940784
ENSG00000106624	7	AEBP1	44143960	rs2239614	7	44143124	T	C	0.673956	-0.0024412	0.00868222	0.778574	-0.392009	0.0516938	3.37E-14	0.00622751	0.0221632	0.7787228	0.0053547	6	0.95885238
ENSG00000106628	7	POLD2	44154286	rs137888771	7	44182127	A	T	0.0119284	0.0571982	0.0519478	0.270866	-1.48581	0.230754	1.20E-10	-0.0384963	0.0354701	0.2777814	0.8729901	3	0.76430333
ENSG00000015676	7	NUDCD3	44418720	rs9886060	7	44409474	C	T	0.16501	-0.0007839	0.0103007	0.93934	0.603103	0.0620193	2.37E-22	-0.0012997	0.01708	0.9393417	0.09023056	20	0.99333365
ENSG00000232956	7	SNHG15	45022622	rs117472450	7	45101563	G	T	0.0238569	0.0911028	0.0463065	0.0491394	1.01066	0.178767	1.57E-08	0.0901419	0.0485131	0.0631557	0.5329593	3	0.50845953
ENSG00000136280	7	CCM2	45039074	rs10264280	7	45120453	T	C	0.38171	-0.0110945	0.00851708	0.192705	0.346185	0.0492758	2.13E-12	-0.0320479	0.025022	0.2002681	0.7860379	8	0.70112374
ENSG00000136270	7	TBRG4	45139699	rs1992292	7	45142145	C	T	0.434394	-0.0147263	0.00836311	0.07826	0.346242	0.0586306	3.52E-09	-0.0425318	0.0252048	0.09151735	0.9870058	8	0.58848968
ENSG00000214765	7	SEPT7P2	45763379	rs2471267	7	45759262	T	C	0.406561	0.0156951	0.00814009	0.0538406	-0.363655	0.0455962	1.52E-15	-0.0431593	0.0230289	0.06091191	0.01808177	7	0.50502786
ENSG00000272556	7	RP11-638I8.1	45854201	rs17172610	7	45794955	A	G	0.177932	0.0163019	0.0119759	0.173441	-0.792518	0.113751	3.24E-12	-0.0205698	0.0153969	0.1815606	0.0192284	18	0.67831927
ENSG00000146666	7	LINC00525	47801074	rs2708908	7	48025584	T	C	0.569583	-0.001943	0.00852654	0.819743	-0.743802	0.0901455	1.57E-16	0.00261224	0.0114678	0.8198105	0.4226279	20	0.96829071
ENSG00000158683	7	PKD1L1	47814250	rs57995674	7	47988891	A	G	0.536779	-0.0075152	0.00816977	0.357636	-0.796471	0.0857273	1.53E-20	0.00943564	0.0103076	0.3599794	0.6431509	20	0.81746804
ENSG00000225507	7	AC069282.6	47996390	rs2686839	7	48007800	C	T	0.518887	-0.009075	0.00816764	0.266527	-0.421618	0.064981	8.68E-11	0.0215243	0.0196541	0.2734491	0.305803	11	0.76157841
ENSG00000183696	7	UPP1	48128225	rs36158627	7	48215013	C	T	0.516899	0.00272324	0.00806129	0.735501	0.557768	0.0582051	9.44E-22	0.00488239	0.0144617	0.7356592	0.5002885	20	0.94491286
ENSG00000132436	7	FIGNL1	50511831	rs12670555	7	50465654	G	A	0.466203	0.0142227	0.00820372	0.0829736	0.845337	0.0585854	3.39E-47	0.0168249	0.00977447	0.08519481	0.1070577	20	0.56757906
ENSG00000132432	7	SEC61G	54819943	rs62451663	7	54810546	A	C	0.054672	0.0156555	0.0205223	0.445553	-1.0613	0.132705	1.27E-15	-0.0147512	0.0194247	0.4476097	0.7744071	8	0.85417294
ENSG00000146648	7	EGFR	55086714	rs76928645	7	54941328	T	C	0.127237	-0.0338134	0.012677	0.00764628	-0.309394	0.0506522	1.01E-09	0.109289	0.0447098	0.01450899	0.4976914	5	0.34725322
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.13513	0.0690618	1.05E-60	0.0115199	0.00818631	0.1593632	0.5209935	20	0.6590237
ENSG00000178665	7	ZNF713	55955169	rs12534019	7	55967538	T	G	0.447316	0.00137364	0.0081093	0.865489	-0.653032	0.0673053	2.94E-22	-0.0021035	0.0124198	0.8655096	0.4974938	20	0.97828063
ENSG00000146729	7	GBAS	56019486	rs4947531	7	55993895	T	C	0.0586481	0.0202778	0.0166726	0.223897	0.535708	0.089975	2.62E-09	0.0378523	0.0317652	0.2334074	0.8348382	15	0.7275513
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.617048	0.0767183	8.76E-16	0.0211922	0.0152339	0.1641902	0.6323642	18	0.66127026
ENSG00000129103	7	SUMF2	56131695	rs2242509	7	56151526	A	G	0.207753	0.00180379	0.00896549	0.840548	0.560005	0.0717473	5.94E-15	0.00322102	0.016015	0.8406002	0.7323278	20	0.9750266
ENSG00000106153	7	CHCHD2	56169262	rs73138774	7	56058354	A	G	0.198807	0.00029798	0.00897761	0.973522	-0.262606	0.047196	2.63E-08	-0.0011347	0.0341872	0.9735225	0.6561853	17	0.99743145
ENSG00000185290	7	NUPR1L	56182374	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.859855	0.0894584	7.13E-22	0.0152079	0.010883	0.1622945	0.7580723	20	0.66031201
ENSG00000228014	7	RP11-321E8.5	63929563	rs6969879	7	64023371	C	T	0.274354	0.0023323	0.00868324	0.788239	0.555253	0.101758	4.85E-08	0.00420043	0.0156573	0.7884891	0.5028809	12	0.9600829
ENSG00000182722	7	SEPHS1P1	64312775	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	-0.84341	0.0932864	1.55E-19	0.0156613	0.00973749	0.1077582	0.4850737	20	0.60962213
ENSG00000213640	7	RP11-797H7.3	64323377	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	-1.1365	0.0672364	4.27E-64	0.0116224	0.00714421	0.1037725	0.7985086	20	0.60336467
ENSG00000189316	7	RP11-797H7.5	64348905	rs4398786	7	64359646	G	A	0.440358	-0.0098973	0.00816604	0.225509	-0.400351	0.066166	1.44E-09	0.0247216	0.0208024	0.2346748	0.6616821	14	0.7275513
ENSG00000152926	7	ZNF117	64432154	rs551262051	7	64571019	G	T	0.0586481	-0.0182747	0.0167824	0.276189	1.04958	0.148421	1.53E-12	-0.0174114	0.0161781	0.2818218	0.798865	10	0.76662816
ENSG00000213462	7	ERV3-1	64451187	rs7780836	7	64786351	C	T	0.558648	0.00408532	0.00818809	0.617826	-0.596828	0.0670336	5.42E-19	-0.0068451	0.0137409	0.6183763	0.9777469	20	0.90945787
ENSG00000234585	7	CCT6P3	64498732	rs3088174	7	64451426	T	C	0.560636	0.0050213	0.00814851	0.537747	-1.05573	0.0689648	6.74E-53	-0.0047562	0.00772462	0.5380764	0.8966824	20	0.87610383
ENSG00000227113	7	RP11-460N20.4	64535401	rs12530733	7	64547832	T	C	0.397614	-0.0037329	0.00831429	0.653448	0.799313	0.0802964	2.41E-23	-0.0046702	0.0104124	0.6537768	0.6663965	20	0.92291695
ENSG00000226002	7	RP11-460N20.5	64544481	rs13240485	7	64962022	C	T	0.378728	-0.0050402	0.00836221	0.546686	1.173	0.0840602	2.96E-44	-0.0042968	0.00713556	0.54706	0.7544749	19	0.88133611
ENSG00000164669	7	INTS4L1	64601603	rs13221806	7	64700373	T	C	0.366799	-0.0047443	0.00862641	0.582339	-0.872891	0.0907323	6.55E-22	0.00543513	0.00989871	0.5829539	0.8640545	20	0.89290364
ENSG00000179406	7	LINC00174	65841031	rs4718345	7	65894189	C	G	0.0506958	-0.0082809	0.0150862	0.58307	1.3682	0.141887	5.27E-22	-0.0060524	0.0110442	0.5836783	0.01798764	4	0.89290364
ENSG00000237310	7	GS1-124K5.4	65958693	rs12671357	7	66230524	A	G	0.260437	-0.0113812	0.00939845	0.225907	0.779808	0.0859491	1.16E-19	-0.0145949	0.0121591	0.2300146	0.5011256	10	0.7275513
ENSG00000229180	7	GS1-124K5.11	65991075	rs1796225	7	66038363	G	C	0.630219	0.00840842	0.00821198	0.305873	0.351764	0.0592895	2.97E-09	0.0239036	0.0236902	0.3129721	0.8582282	10	0.78527319
ENSG00000226824	7	RP4-756H11.3	66119525	rs2659909	7	66160279	A	G	0.542744	-0.0145459	0.00826285	0.0783394	-1.10532	0.0803361	4.52E-43	0.0131599	0.00753647	0.08078272	0.8927622	14	0.55631925
ENSG00000273142	7	RP11-458F8.4	66367844	rs4718430	7	66432024	T	G	0.282306	-0.0064886	0.00838195	0.438865	-0.56708	0.0728235	6.86E-15	0.0114421	0.0148538	0.4411129	0.08930666	20	0.85417294
ENSG00000198874	7	TYW1	66460160	rs113737600	7	66615118	A	C	0.212724	-0.0167389	0.0109984	0.128022	0.615292	0.0906637	1.15E-11	-0.0272048	0.0183191	0.1375294	0.6113919	14	0.63721248
ENSG00000067601	7	PMS2P4	66752528	rs12539705	7	66736143	A	G	0.186879	-0.0046415	0.0104364	0.656511	-0.557067	0.0865163	1.20E-10	0.00833196	0.0187792	0.6572736	0.5719993	20	0.92318646
ENSG00000106610	7	STAG3L4	66767608	rs887715	7	66786384	C	T	0.39662	0.00301849	0.00892432	0.735189	-0.77296	0.0642122	2.25E-33	-0.0039051	0.0115502	0.735289	0.3703295	20	0.94491286
ENSG00000273448	7	RP11-166O4.6	66798034	rs7341400	7	66783479	A	G	0.39165	0.00348219	0.00892242	0.696335	0.81859	0.0801791	1.80E-24	0.00425389	0.0109077	0.6965444	0.1666114	20	0.93608415
ENSG00000235475	7	RP11-166O4.5	66800963	rs7804537	7	66811313	A	G	0.267396	-0.0003586	0.00935063	0.969405	0.722484	0.0930802	8.36E-15	-0.0004964	0.0129425	0.9694054	0.08016283	20	0.99660087
ENSG00000185274	7	WBSCR17	70597155	rs139753723	7	70580023	A	G	0.0666004	-0.0122173	0.015476	0.429859	0.694835	0.11701	2.88E-09	-0.017583	0.0224689	0.4338912	0.5149505	13	0.849086
ENSG00000196313	7	POM121	72349936	rs11760353	7	72408286	T	G	0.535785	0.00775158	0.00811318	0.339359	-0.572053	0.0530481	4.11E-27	-0.0135505	0.0142381	0.3412479	0.2557772	20	0.80962327
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.792028	0.0971868	3.65E-16	-0.011346	0.0111731	0.3098818	0.391305	20	0.7814478
ENSG00000146755	7	TRIM50	72726535	rs13243883	7	72389657	A	G	0.137177	0.0012297	0.0113321	0.913587	1.14112	0.152175	6.44E-14	0.00107763	0.00993172	0.9135964	0.5115086	9	0.98753784
ENSG00000106638	7	TBL2	72983262	rs73134986	7	72940370	A	G	0.0437376	0.0168072	0.0219941	0.444766	0.924477	0.115881	1.49E-15	0.0181802	0.0238997	0.4468441	0.369281	3	0.85417294
ENSG00000009950	7	MLXIPL	73007524	rs2178026	7	73062019	G	C	0.104374	-0.0057671	0.0154187	0.708381	0.501565	0.0845843	3.03E-09	-0.0114981	0.0308023	0.7089338	0.314862	3	0.93968224
ENSG00000106077	7	ABHD11	73150424	rs6460052	7	73151644	G	A	0.489066	-0.0041507	0.00806097	0.606616	-0.434531	0.0588451	1.53E-13	0.00955207	0.018596	0.6074882	0.5022663	6	0.90341567
ENSG00000189143	7	CLDN4	73213872	rs4717109	7	73240991	C	A	0.725646	0.00561905	0.00869446	0.518098	-0.703973	0.0814658	5.56E-18	-0.0079819	0.0123851	0.5192646	0.2809076	17	0.87239215
ENSG00000165171	7	WBSCR27	73248920	rs10225983	7	73258750	A	G	0.725646	0.00539923	0.00869587	0.534668	-1.10457	0.07509	5.56E-49	-0.0048881	0.00787964	0.5350316	0.1715774	20	0.87557054
ENSG00000196275	7	GTF2IRD2	74210483	rs800981	7	74196364	C	T	0.801193	-0.0331158	0.0105918	0.00176876	-1.05055	0.0799129	1.79E-39	0.0315223	0.0103634	0.00235238	0.7733189	20	0.20600918
ENSG00000123965	7	PMS2P5	74306894	rs2529275	7	74294925	C	T	0.798211	-0.0232974	0.0104219	0.0253898	-1.22185	0.088314	1.56E-43	0.0190673	0.00864023	0.02732753	0.03576196	20	0.40045953
ENSG00000184616	7	AC004166.6	74320406	rs587659729	7	74337546	A	G	0.0238569	0.024132	0.0205982	0.241374	-1.35064	0.186253	4.12E-13	-0.0178671	0.0154484	0.2474512	0.9911916	8	0.74117736
ENSG00000205583	7	STAG3L1	74988448	rs6944634	7	75061769	C	G	0.810139	0.00809241	0.0112113	0.470413	-0.911047	0.104678	3.22E-18	-0.0088825	0.0123482	0.4719323	0.572423	11	0.85740342
ENSG00000223705	7	NSUN5P1	75039605	rs6944634	7	75061769	C	G	0.810139	0.00809241	0.0112113	0.470413	-0.376765	0.0664979	1.46E-08	-0.0214787	0.0299972	0.4739782	0.1507598	3	0.85740342
ENSG00000127948	7	POR	75528518	rs62475265	7	75547118	G	A	0.0656064	-0.0044555	0.0224124	0.842424	-0.677451	0.0953528	1.21E-12	0.00657682	0.0330964	0.8424841	0.7412416	4	0.97564033
ENSG00000127952	7	STYXL1	75625656	rs10255591	7	75746409	C	T	0.217694	-0.0283265	0.00848349	0.00084076	-0.794762	0.0808371	8.23E-23	0.0356415	0.011273	0.00156875	0.524197	19	0.16825689
ENSG00000188372	7	ZP3	76026835	rs2428896	7	76240183	A	C	0.345924	-0.009935	0.00910748	0.275335	1.03398	0.0958444	3.92E-27	-0.0096085	0.00885309	0.2777782	0.6150175	20	0.76430333
ENSG00000091073	7	DTX2	76090993	rs66906873	7	76143806	A	G	0.323062	-0.0079532	0.00945385	0.400196	0.400753	0.0702509	1.17E-08	-0.0198457	0.0238454	0.4052574	0.6277395	4	0.83261688
ENSG00000243566	7	UPK3B	76139745	rs1636632	7	76144483	G	A	0.403579	0.00087881	0.00806798	0.913262	-0.676086	0.0952877	1.29E-12	-0.0012998	0.0119348	0.9132719	0.7945162	20	0.98753784
ENSG00000205485	7	AC004980.7	76178677	rs2527936	7	76255032	G	A	0.348907	-0.0103621	0.0091158	0.255657	0.821356	0.084329	2.04E-22	-0.0126158	0.0111738	0.2588744	0.94616	20	0.74586579
ENSG00000146707	7	POMZP3	76239303	rs41278779	7	76255061	C	T	0.209742	0.0119927	0.0109203	0.272118	-1.17434	0.0931705	2.00E-36	-0.0102123	0.00933433	0.2739298	0.4060546	20	0.76207512
ENSG00000214243	7	AC004980.10	76279718	rs2110465	7	76137284	C	A	0.682903	0.00761971	0.0094566	0.420384	0.650032	0.111908	6.30E-09	0.0117221	0.0146872	0.4248046	0.9331913	12	0.8444398
ENSG00000186704	7	DTX2P1	76607934	rs7398	7	76135134	A	G	0.404573	0.00068741	0.00807023	0.932119	0.528	0.0866992	1.13E-09	0.00130191	0.015286	0.932126	0.9009943	9	0.99333365
ENSG00000233448	7	PMS2P9	76669261	rs1861028	7	76634033	G	A	0.267396	0.00240157	0.00979998	0.806411	-0.699166	0.107031	6.47E-11	-0.0034349	0.0140265	0.8065444	0.4947755	13	0.96575552
ENSG00000205482	7	AC007000.12	76682095	rs74457569	7	76701346	C	T	0.154076	-0.0098291	0.0092532	0.288129	0.894904	0.138859	1.16E-10	-0.0109834	0.0104794	0.2945951	0.8304839	7	0.77761764
ENSG00000213542	7	RP11-467H10.1	76744716	rs28807140	7	76767073	C	T	0.166998	0.0159982	0.0149825	0.285614	0.67065	0.107508	4.43E-10	0.0238548	0.0226652	0.2925771	0.3009091	4	0.77760108
ENSG00000186088	7	GSAP	76940068	rs4727381	7	77045957	G	A	0.651093	-0.0043396	0.00839518	0.605214	0.563268	0.0543226	3.43E-25	-0.0077043	0.0149229	0.6056619	0.7904412	7	0.90341567
ENSG00000127947	7	PTPN12	77166592	rs6960252	7	77168385	A	G	0.32008	0.00754268	0.00892961	0.398289	0.339139	0.0525471	1.09E-10	0.0222407	0.0265548	0.4022895	0.6682625	10	0.83053613
ENSG00000214293	7	RSBN1L-AS1	77286977	rs10260269	7	77296377	T	A	0.141153	0.00094459	0.012943	0.941821	-0.980745	0.10034	1.45E-22	-0.0009631	0.0131975	0.941823	0.3310291	20	0.99338916
ENSG00000187257	7	RSBN1L	77325760	rs7795371	7	77362504	G	A	0.446322	0.0128802	0.0082689	0.119311	0.308467	0.0484064	1.86E-10	0.0417555	0.0275957	0.1302494	0.9190865	14	0.63721248
ENSG00000234456	7	MAGI2-AS3	79082198	rs7811833	7	78963773	C	A	0.847913	0.0156816	0.0120857	0.194448	0.44316	0.0760776	5.71E-09	0.0353859	0.02794	0.2053362	0.3830985	7	0.70729121
ENSG00000198822	7	GRM3	86273230	rs10235845	7	86058760	T	C	0.111332	-0.0108502	0.0101335	0.284291	-0.626231	0.065539	1.23E-21	0.0173262	0.016283	0.2872988	0.2436656	20	0.77196158
ENSG00000228113	7	AC003991.3	87848674	rs10263111	7	87927392	C	G	0.464215	-0.0078385	0.0082639	0.342866	0.427018	0.0775668	3.69E-08	-0.0183563	0.0196377	0.349919	0.04897767	6	0.81376292
ENSG00000235436	7	DPY19L2P4	89748714	rs7808893	7	89755789	T	G	0.220676	0.0353747	0.0108495	0.00111217	-0.599506	0.0637578	5.31E-21	-0.0590064	0.0191545	0.00206621	0.2709769	20	0.19652424
ENSG00000157214	7	STEAP2	89796904	rs194503	7	89841084	A	G	0.781312	-0.0291259	0.0106451	0.00621727	0.994588	0.0620696	8.72E-58	-0.0292844	0.0108579	0.00699568	0.0419538	20	0.2675694
ENSG00000105793	7	GTPBP10	89964537	rs917660	7	90032932	A	G	0.254473	-0.0085778	0.00959845	0.371504	-0.514084	0.0689672	9.05E-14	0.0166855	0.0188047	0.3749143	0.2145639	20	0.82033551
ENSG00000058091	7	CDK14	90095738	rs17163160	7	90397458	T	C	0.207753	-0.0033156	0.012181	0.785476	0.277239	0.0426416	7.95E-11	-0.0119592	0.0439753	0.7856589	0.2337773	14	0.9600829
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.59611	0.19828	8.29E-16	0.0119513	0.0117069	0.3073145	0.1936071	7	0.77926177
ENSG00000127914	7	AKAP9	91570181	rs7802788	7	91736874	G	A	0.387674	-0.0045709	0.00836239	0.58465	-0.216986	0.0380905	1.22E-08	0.0210655	0.0387159	0.5863689	0.5531302	9	0.89548788
ENSG00000001631	7	KRIT1	91828283	rs80258507	7	91556867	T	C	0.0934394	-0.0127942	0.0133162	0.336653	0.500658	0.0812763	7.28E-10	-0.0255548	0.026919	0.3424572	0.6683233	7	0.80972215
ENSG00000157259	7	GATAD1	92076767	rs10252324	7	92144751	T	C	0.157058	0.0027729	0.0102906	0.787575	-0.40926	0.0633664	1.06E-10	-0.0067754	0.0251663	0.7877563	0.6845997	7	0.9600829
ENSG00000127980	7	PEX1	92116334	rs74730775	7	92060776	G	A	0.0208748	0.126432	0.0555687	0.0228918	1.20846	0.144548	6.26E-17	0.104622	0.0476555	0.02813573	0.3017574	6	0.4027262
ENSG00000231170	7	AC002451.3	95225994	rs10085778	7	95225981	G	A	0.350895	0.0120428	0.00891752	0.176867	0.513326	0.0807324	2.04E-10	0.0234603	0.0177595	0.1865019	0.5227206	9	0.68634888
ENSG00000158560	7	DYNC1I1	95401866	rs2618976	7	95453635	T	G	0.491054	-0.0073958	0.00806517	0.359138	0.366601	0.0484672	3.91E-14	-0.0201741	0.0221609	0.3626417	0.3225462	15	0.81796267
ENSG00000004864	7	SLC25A13	95749532	rs2002810	7	95980004	C	T	0.701789	-0.0120024	0.00872853	0.169107	-0.428082	0.0522845	2.67E-16	0.0280376	0.0206754	0.1750722	0.09731053	14	0.67151653
ENSG00000006128	7	TAC1	97361220	rs2394738	7	97381010	T	G	0.523857	0.0159058	0.00809699	0.0494823	-0.535583	0.07606	1.90E-12	-0.0296981	0.0156954	0.05846979	0.2823969	10	0.50083362
ENSG00000238228	7	OR7E7P	97576299	rs17595064	7	97611341	A	G	0.215706	-0.0098884	0.0111229	0.373997	-0.586246	0.100299	5.07E-09	0.0168674	0.0191913	0.379452	0.1833896	5	0.82033551
ENSG00000164713	7	BRI3	97881691	rs28662014	7	97904505	A	G	0.422465	0.019668	0.00805764	0.0146501	-0.301632	0.0530366	1.29E-08	-0.0652053	0.0290699	0.02489362	0.3646963	4	0.38644663
ENSG00000272950	7	RP11-307C18.1	97952165	rs28662014	7	97904505	A	G	0.422465	0.019668	0.00805764	0.0146501	-0.824168	0.0813737	4.14E-24	-0.0238641	0.0100566	0.01764558	0.00998865	20	0.35607708
ENSG00000146833	7	TRIM4	99474581	rs2527899	7	99529181	G	A	0.533797	0.00023751	0.00821224	0.976927	0.424367	0.066379	1.63E-10	0.00055968	0.0193519	0.9769275	0.04659703	14	0.99743145
ENSG00000166529	7	ZSCAN21	99647390	rs72615158	7	99651383	G	A	0.329026	-0.0110555	0.00896823	0.217672	-0.661899	0.0825899	1.11E-15	0.0167027	0.0137086	0.2230678	0.00938326	20	0.72360668
ENSG00000166508	7	MCM7	99690351	rs6972742	7	99616847	C	T	0.935388	0.0173984	0.0217919	0.424644	-0.656843	0.105791	5.34E-10	-0.0264879	0.0334499	0.4284373	0.09162743	12	0.84720094
ENSG00000221838	7	AP4M1	99699172	rs13236456	7	99675558	G	A	0.605368	0.0132098	0.00817497	0.10612	-0.525891	0.0577335	8.32E-20	-0.0251189	0.0157877	0.1115999	0.01890161	16	0.61545125
ENSG00000214309	7	MBLAC1	99724317	rs117461151	7	99735364	T	C	0.0695825	-0.0025931	0.0208384	0.900967	0.934604	0.134503	3.69E-12	-0.0027746	0.0223001	0.9009823	0.4041546	11	0.9863793
ENSG00000188186	7	LAMTOR4	99746530	rs12878	7	99747130	A	G	0.631213	0.011232	0.00819977	0.170752	-0.50392	0.0426386	3.14E-32	-0.0222893	0.0163809	0.1736131	0.0279596	20	0.67151653
ENSG00000197093	7	GAL3ST4	99756867	rs116667980	7	99835446	A	G	0.0427435	-0.0145336	0.0248419	0.558518	1.00781	0.156949	1.35E-10	-0.014421	0.0247515	0.560142	0.4630918	6	0.88271976
ENSG00000213420	7	GPC2	99767229	rs117861114	7	99962298	G	A	0.0407555	-0.0133063	0.024899	0.593058	1.15705	0.151812	2.51E-14	-0.0115002	0.0215722	0.5939629	0.6317798	7	0.89807048
ENSG00000066923	7	STAG3	99775186	rs34666036	7	99737012	A	G	0.27336	0.0255451	0.00904564	0.00474242	0.549696	0.0491847	5.34E-29	0.0464713	0.0169729	0.00618201	0.9016829	20	0.26570111
ENSG00000213413	7	PVRIG	99815864	rs1727140	7	99815399	A	T	0.73161	-0.0279589	0.00907086	0.00205423	-0.467922	0.0495284	3.47E-21	0.0597512	0.020391	0.00338667	0.4989271	20	0.23296373
ENSG00000242294	7	STAG3L5P	99933702	rs11761426	7	99956893	T	A	0.175944	-0.0149735	0.00985836	0.128796	0.95054	0.0595606	2.46E-57	-0.0157526	0.0104182	0.130526	0.6224784	20	0.63721248
ENSG00000121716	7	PILRB	99933737	rs11761426	7	99956893	T	A	0.175944	-0.0149735	0.00985836	0.128796	1.12453	0.0630175	3.18E-71	-0.0133153	0.00879835	0.1301803	0.6152857	20	0.63721248
ENSG00000085514	7	PILRA	99965153	rs61735533	7	99955866	A	G	0.175944	-0.0149825	0.00985853	0.128573	1.30418	0.0765561	4.47E-65	-0.0114881	0.0075892	0.1300922	0.505504	20	0.63721248
ENSG00000106351	7	AGFG2	100136834	rs2734897	7	100159567	G	A	0.692843	-0.0205252	0.00881113	0.0198344	0.410842	0.0620929	3.68E-11	-0.0499589	0.0227368	0.02800158	0.459347	13	0.4027262
ENSG00000205307	7	SAP25	100169855	rs58509206	7	100186204	G	C	0.0735586	0.0195142	0.0162764	0.230555	0.90232	0.0716206	2.15E-36	0.0216267	0.0181199	0.2326604	0.7465538	20	0.7275513
ENSG00000077454	7	LRCH4	100169855	rs58509206	7	100186204	G	C	0.0735586	0.0195142	0.0162764	0.230555	0.664419	0.0753307	1.14E-18	0.0293703	0.0247225	0.2348332	0.8187188	17	0.7275513
ENSG00000224729	7	PCOLCE-AS1	100187025	rs2686815	7	100200674	T	C	0.478131	-0.0109904	0.00815675	0.17785	0.352665	0.0627451	1.90E-08	-0.0311639	0.0237842	0.1901026	0.00085228	4	0.68934009
ENSG00000146828	7	SLC12A9	100424442	rs13241786	7	100486656	G	T	0.542744	0.0123023	0.0080566	0.126766	0.441461	0.0484638	8.31E-20	0.0278672	0.0185045	0.1320746	0.1998645	20	0.63721248
ENSG00000106400	7	ZNHIT1	100860949	rs1056678	7	100860636	C	T	0.251491	0.0064246	0.0108835	0.554985	0.378482	0.0566657	2.40E-11	0.0169747	0.0288677	0.5565226	0.5999801	6	0.88271976

ENSG00000106404	7	CLDN15	100875373	rs3757462	7	100882116	C	A	0.349901	0.00950411	0.00896017	0.288823	0.567785	0.063857	6.03E-19	0.0167389	0.0158928	0.2922317	0.7435289	14	0.77738259
ENSG00000160963	7	COL26A1	101006101	rs12673177	7	100998895	G	T	0.532803	-0.0186795	0.00807097	0.0206457	1.11632	0.0659779	3.23E-64	-0.0167331	0.00729731	0.02184498	0.08181406	20	0.36953203
ENSG00000257923	7	CUX1	101458959	rs803073	7	101928279	A	G	0.460239	-0.0111299	0.00821313	0.175376	0.272665	0.0493902	3.38E-08	-0.040819	0.0310159	0.188152	0.880905	14	0.6882977
ENSG00000160999	7	SH2B2	101928405	rs803074	7	101928495	G	C	0.365805	0.00347285	0.0081683	0.670718	0.327195	0.0527668	5.62E-10	0.010614	0.0250232	0.6714447	0.2139375	4	0.92466627
ENSG00000161036	7	LRWD1	102105376	rs4473948	7	102112397	T	A	0.734592	-0.0061221	0.00840063	0.466145	-0.704165	0.0638326	2.70E-28	0.00869413	0.0119559	0.4671147	0.112285	20	0.85740342
ENSG00000267368	7	UPK3BL	102277472	rs62483497	7	102332238	G	A	0.687873	-0.0009192	0.00836823	0.912534	-0.590639	0.087827	1.76E-11	0.00155627	0.01417	0.9125454	0.3438711	13	0.98753784
ENSG00000228049	7	POLR2J2	102277474	rs4403333	7	102347590	G	A	0.898608	0.00186862	0.0142083	0.895367	-1.21949	0.128877	3.01E-21	-0.0015323	0.0116521	0.8953771	0.8756735	19	0.98597578
ENSG00000091127	7	PUS7	105080108	rs113736107	7	105184415	T	C	0.190855	-0.002742	0.0102158	0.788384	0.434856	0.065563	3.30E-11	-0.0063056	0.0235116	0.7885529	0.2054423	7	0.9600829
ENSG00000241764	7	AC002467.7	107383262	rs739518	7	107384127	A	G	0.264414	-0.0021504	0.00860055	0.802565	0.521817	0.0872126	2.19E-09	-0.004121	0.0164963	0.8027341	0.1431945	3	0.96439051
ENSG00000091140	7	DLD	107531415	rs6965674	7	107528102	G	A	0.579523	-0.0028116	0.00821853	0.732276	0.205925	0.0367252	2.06E-08	-0.0136533	0.0399845	0.7327534	0.9814019	14	0.94398413
ENSG00000273055	7	CTB-13F3.1	107582561	rs8721	7	107559722	T	A	0.387674	-0.0009488	0.00822345	0.908142	0.532707	0.0737848	5.21E-13	-0.0017812	0.0154391	0.9081541	0.2809	11	0.98743921
ENSG00000091129	7	NRCAM	107788068	rs12531607	7	107842546	G	A	0.335984	-0.0007463	0.00849198	0.929969	0.473741	0.0617555	1.70E-14	-0.0015753	0.0179265	0.9299741	0.1133298	20	0.99191324
ENSG00000177683	7	THAP5	108194987	rs40915	7	108182719	T	C	0.318091	-0.0164083	0.00873705	0.0603796	0.538921	0.0500432	4.82E-27	-0.0304466	0.0164568	0.06430024	0.1313941	20	0.50845953
ENSG00000128512	7	DOCK4	111366166	rs61599933	7	111784241	C	A	0.322068	0.00538695	0.0084755	0.525043	-0.472908	0.0750889	3.02E-10	-0.0113911	0.0180131	0.5271395	0.3488332	5	0.87557054
ENSG00000006652	7	IFRD1	112063023	rs67523617	7	112109174	C	A	0.451292	0.0103954	0.00820313	0.205069	0.387351	0.0551117	2.09E-12	0.0268372	0.021519	0.2123467	0.8637674	13	0.71235334
ENSG00000181016	7	LSMEM1	112120908	rs3183621	7	112116241	G	A	0.251491	-0.0066168	0.00895941	0.460195	0.504351	0.0567397	6.17E-19	-0.0131193	0.0178254	0.4617372	0.6394715	6	0.85658817
ENSG00000105976	7	MET	116312444	rs2023748	7	116436022	A	G	0.44334	-0.0159933	0.00826031	0.052847	-0.464735	0.0745332	4.51E-10	0.0344138	0.0186114	0.06444789	0.8254567	13	0.50845953
ENSG00000128534	7	NAA38	117824086	rs2896242	7	117824239	C	G	0.668986	0.00448209	0.00990156	0.65079	0.533929	0.068735	7.98E-15	0.00839454	0.0185762	0.6513422	0.04285763	20	0.92285128
ENSG00000242593	7	RP5-921G16.1	123672259	rs12706598	7	124020707	A	T	0.241551	-0.0083196	0.00937089	0.374639	-0.824283	0.103107	1.30E-15	0.0100932	0.0114384	0.3775649	0.1058502	20	0.82033551
ENSG00000165055	7	METTL2B	128116783	rs9690423	7	128144492	T	C	0.382704	0.0185108	0.00837649	0.0271156	-0.7229	0.0759223	1.71E-21	-0.0256063	0.0118953	0.03134731	0.640984	17	0.41804706
ENSG00000273270	7	RP11-212P7.2	128164070	rs79328924	7	128171280	G	C	0.292247	-0.0115556	0.0089987	0.199092	-0.364959	0.0649557	1.93E-08	0.0316627	0.0252925	0.2106205	0.4138184	3	0.71114397
ENSG00000230715	7	RP11-274B21.4	128292895	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.50401	0.0576751	2.36E-18	-0.0109137	0.0161312	0.4986852	0.03381128	9	0.86521828
ENSG00000229413	7	AC018638.1	128293740	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.414206	0.0655418	2.62E-10	-0.0132799	0.0196822	0.4998549	0.05377483	3	0.86521828
ENSG00000243679	7	RP11-274B21.3	128294023	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.403442	0.0559865	5.76E-13	-0.0132446	0.0201757	0.5115272	0.09321124	4	0.86997592
ENSG00000271553	7	RP11-274B21.10	128307097	rs339072	7	128364080	T	G	0.597416	-0.0070067	0.00857844	0.414052	0.698358	0.0707853	5.85E-23	-0.0100331	0.0123258	0.4156456	0.1731841	20	0.83806414
ENSG00000205085	7	FAM71F2	128312342	rs56249749	7	128188195	T	C	0.33996	0.0196567	0.00855549	0.0215874	0.651067	0.083206	5.09E-15	0.0301915	0.0136955	0.02749011	0.01751198	20	0.40167433
ENSG00000271344	7	RP11-274B21.9	128330505	rs56249749	7	128188195	T	C	0.33996	0.0196567	0.00855549	0.0215874	0.540851	0.066774	5.51E-16	0.036344	0.0164427	0.0270809	0.03426745	17	0.40033671
ENSG00000128596	7	CCDC136	128430811	rs58044348	7	128433600	C	T	0.22664	0.0114031	0.00931301	0.220792	-0.656948	0.0611377	6.23E-27	-0.0173577	0.0142679	0.2237739	0.2740422	20	0.72449854
ENSG00000135253	7	KCP	128502505	rs76267516	7	128513078	A	G	0.027833	0.0172568	0.0209944	0.411091	-0.538697	0.0885633	1.18E-09	-0.0320343	0.0393268	0.4153198	0.3543446	6	0.83806414
ENSG00000272899	7	RP11-309L24.9	128510821	rs76267516	7	128513078	A	G	0.027833	0.0172568	0.0209944	0.411091	-0.916516	0.101996	2.57E-19	-0.0188287	0.0230024	0.4130409	0.2323353	12	0.83788297
ENSG00000240204	7	SMKR1	129142320	rs610591	7	129142775	A	G	0.898608	-0.0517868	0.0147024	0.00042776	-1.19832	0.119989	1.74E-23	0.0432162	0.0130099	0.00089443	0.00922637	10	0.16825689
ENSG00000106477	7	CEP41	130033612	rs1990790	7	130033630	T	C	0.544732	0.0174528	0.00809094	0.0309992	0.397815	0.0571908	3.50E-12	0.0438717	0.0212939	0.03937101	0.1225614	9	0.44087342
ENSG00000106484	7	MEST	130126012	rs2302826	7	130147307	G	T	0.549702	0.00664291	0.00816713	0.416005	0.532151	0.0735563	4.67E-13	0.0124831	0.0154441	0.4189299	0.8270767	14	0.83995347
ENSG00000158623	7	COPG2	130146089	rs10128	7	130151694	G	T	0.101392	-0.0027743	0.0116565	0.811877	-0.564774	0.0742621	2.85E-14	0.00491223	0.0206493	0.8119679	0.725544	20	0.96594546
ENSG00000226380	7	MIR29B1	130561495	rs11974915	7	130567127	T	C	0.189861	-0.0042292	0.0109809	0.700132	-0.503299	0.0800424	3.22E-10	0.008403	0.0218587	0.7006651	0.5709368	17	0.93769209
ENSG00000236753	7	MKLN1-AS2	130994503	rs4506137	7	130994779	T	C	0.456262	-0.0094802	0.00810591	0.242187	-0.287335	0.0512731	2.09E-08	0.0329935	0.0288185	0.2522618	0.8519202	13	0.74586579
ENSG00000131558	7	EXOC4	132937829	rs62470398	7	133541630	A	G	0.864811	-0.0077799	0.0112515	0.489277	0.697295	0.0886891	3.77E-15	-0.0111573	0.0161982	0.4909501	0.3835813	20	0.86252211
ENSG00000205060	7	SLC35B4	133974084	rs888570	7	134019674	T	C	0.474155	0.0118336	0.00819406	0.148691	-0.21741	0.0355821	9.96E-10	-0.0544299	0.0387279	0.1598893	0.8747093	15	0.65939472
ENSG00000146856	7	AGBL3	134671259	rs17168200	7	134701383	A	G	0.33996	0.00471747	0.00839166	0.574005	-0.511036	0.0823754	5.51E-10	-0.0092312	0.0164882	0.5755696	0.8800302	8	0.89166741
ENSG00000223718	7	AC093107.7	135344787	rs61740269	7	135333172	T	C	0.0497018	-0.0671409	0.0382846	0.0794767	1.6585	0.225814	2.06E-13	-0.0404829	0.0237328	0.08804963	0.06676221	9	0.57311415
ENSG00000243317	7	C7orf73	135347244	rs3110823	7	135357476	C	A	0.148111	-0.0103812	0.0106274	0.328655	-0.69572	0.084772	2.27E-16	0.0149215	0.0153832	0.3320531	0.1513531	20	0.7997514
ENSG00000006459	7	JHDM1D	139784546	rs62491419	7	139835953	G	C	0.0775348	0.00118421	0.014461	0.934734	0.672602	0.097245	4.63E-12	0.00176064	0.0215016	0.9347388	0.9369116	7	0.99333365
ENSG00000157800	7	SLC37A3	139993493	rs9791872	7	140099719	C	T	0.0457256	0.00897667	0.016382	0.583721	-1.14796	0.167094	6.41E-12	-0.0078197	0.0143159	0.5849115	0.04431918	6	0.89402555
ENSG00000133597	7	ADCK2	140372953	rs2930317	7	140384976	C	T	0.0725646	-0.004084	0.0148433	0.78321	0.623827	0.112368	2.83E-08	-0.0065466	0.0238231	0.7834691	0.4655238	4	0.95999897
ENSG00000228775	7	WEE2-AS1	141404138	rs58726075	7	141503999	A	G	0.467197	-0.0008146	0.00806926	0.919589	0.768727	0.077643	4.13E-23	-0.0010597	0.0104975	0.9195929	0.9327143	20	0.98841531
ENSG00000127364	7	TAS2R4	141478242	rs17464086	7	141480936	A	G	0.472167	-0.0013641	0.00804281	0.865322	0.928707	0.0589473	6.36E-56	-0.0014688	0.00866073	0.8653296	0.9758165	20	0.97828063
ENSG00000127366	7	TAS2R5	141490017	rs35046848	7	141475161	A	G	0.413519	-0.000874	0.00825999	0.915734	-0.431425	0.0668018	1.06E-10	0.00202579	0.0191484	0.9157456	0.7917231	20	0.98780912
ENSG00000165076	7	PRSS37	141536086	rs6962760	7	141465363	C	T	0.472167	-0.0015482	0.0080419	0.847334	-0.569222	0.0766365	1.11E-13	0.00271992	0.0141326	0.8473842	0.9688914	20	0.97715336
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.594906	0.0500839	1.54E-32	-0.0197194	0.0147608	0.1815715	0.8904851	20	0.67831927
ENSG00000204947	7	ZNF425	148799876	rs10264686	7	148806246	C	T	0.837972	-0.006319	0.0122061	0.604669	0.602222	0.0848028	1.23E-12	-0.0104929	0.0203222	0.6056274	0.6131319	11	0.90341567
ENSG00000244560	7	RP4-800G7.2	148982372	rs6977581	7	148990933	A	G	0.105368	-0.0023568	0.01296	0.855699	-0.661727	0.0902112	2.21E-13	0.00356159	0.0195911	0.8557428	0.9999787	7	0.97828063
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.771785	0.0687314	2.94E-29	0.00710472	0.0129777	0.5840658	0.3225059	12	0.89301659
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs2373465	7	149563134	C	T	0.604374	-0.0013951	0.00807664	0.86286	0.428293	0.0554689	1.15E-14	-0.0032574	0.0188625	0.8628945	0.04422539	19	0.97828063
ENSG00000171130	7	ATP6V0E2	149570057	rs10247524	7	149579948	C	G	0.599404	-0.0031652	0.00806324	0.69466	0.393131	0.0367333	9.93E-27	-0.0080511	0.0205241	0.6948536	0.2465808	20	0.93573909
ENSG00000273011	7	RP11-728K20.3	149587828	rs62490792	7	149602855	A	C	0.728628	-0.0076849	0.00898719	0.3925	-0.959582	0.0818392	9.47E-32	0.00800857	0.00939061	0.3937548	0.05502937	20	0.82739389
ENSG00000224016	7	RP11-728K20.1	149588280	rs4725317	7	149588429	A	G	0.705765	-0.0025888	0.00901388	0.773959	-0.89164	0.0807606	2.44E-28	0.0029034	0.0101127	0.7740332	0.1842772	20	0.95712351
ENSG00000241449	7	RP11-545G3.1	149737610	rs7796699	7	149740837	C	T	0.867793	0.00692764	0.0114745	0.546016	-1.28257	0.128657	2.09E-23	-0.0054014	0.00896288	0.5467495	0.3997325	12	0.88133611
ENSG00000127399	7	LRRC61	150019728	rs1962004	7	150020381	A	G	0.253479	-0.0084057	0.00915145	0.358353	1.26226	0.0849221	5.67E-50	-0.0066592	0.00726388	0.3592694	0.4658013	20	0.81746804
ENSG00000261305	7	RP4-584D14.7	150038860	rs1047575	7	150035500	G	C	0.26839	-0.013733	0.00847021	0.104947	0.992549	0.0986133	7.88E-24	-0.0138361	0.00864381	0.1094446	0.8129902	20	0.61018579
ENSG00000106565	7	TMEM176B	150488373	rs4015632	7	150516826	G	A	0.145129	0.0126349	0.0119591	0.290734	0.448859	0.0726271	6.40E-10	0.0281489	0.0270298	0.2976888	0.1660232	13	0.77863838
ENSG00000002933	7	TMEM176A	150497491	rs717658	7	150503637	T	A	0.456262	0.00601698	0.00808935	0.456988	0.350006	0.0586943	2.47E-09	0.0171911	0.0232911	0.4604565	0.9148063	9	0.8565704
ENSG00000055118	7	KCNH2	150642049	rs11771808	7	150675868	G	A	0.576541	-0.0152062	0.0085781	0.0762816	-0.412351	0.044147	9.60E-21	0.0368768	0.0211742	0.08158029	0.3978122	20	0.55874
ENSG00000244151	7	RP11-148K1.12	150771829	rs2303942	7	150775306	A	G	0.459245	-0.0113881	0.00809919	0.159701	0.86228	0.088255	1.51E-22	-0.013207	0.00948953	0.164001	0.4031174	20	0.66127026
ENSG00000164896	7	FASTK	150773711	rs34104727	7	150777454	A	G	0.175944	-0.0023847	0.0114325	0.834769	0.355527	0.054543	7.11E-11	-0.0067075	0.0321729	0.834852	0.8221944	5	0.97259615
ENSG00000133612	7	AGAP3	150782918	rs7798453	7	150793959	A	G	0.259443	-0.0099606	0.00892757	0.264543	-0.274012	0.0476696	9.02E-09	0.0363511	0.033189	0.273396	0.250723	10	0.76157841
ENSG00000106617	7	PRKAG2	151253197	rs55793576	7	151505684	A	G	0.220676	0.0118894	0.0108217	0.271915	-0.504515	0.0823928	9.17E-10	-0.023566	0.0217922	0.2795218	0.4571414	4	0.76652901
ENSG00000261455	7	LINC01003	152160871	rs3087586	7	152162209	C	A	0.353877	-0.0087098	0.00825885	0.291605	-0.595292	0.0599717	3.20E-23	0.0146312	0.0139517	0.2943141	0.6872094	16	0.77761764
ENSG00000196584	7	XRCC2	152341864	rs3218410	7	152367084	C	T	0.200795	0.0204215	0.00956917	0.0328345	0.961685	0.084799	8.24E-30	0.0212351	0.0101251	0.03596859	0.2938932	20	0.43440968
ENSG00000130226	7	DPP6	153584182	rs12719631	7	154673176	C	T	0.666998	0.0159542	0.00878037	0.0692134	-0.491392	0.0752516	6.58E-11	-0.0324674	0.0185472	0.08002798	0.3276721	3	0.55491203
ENSG00000273183	7	RP11-5C23.2	154748139	rs4960656	7	154769023	C	T	0.629225	-0.0137834	0.00844073	0.102477	-0.486716	0.0746929	7.21E-11	0.0283192	0.0178785	0.1131976	0.6773655	7	0.61693447
ENSG00000228521	7	AC099552.3	154995857	rs13306879	7	155000929	A	G	0.434394	0.0155122	0.00809067	0.0552001	0.545698	0.0783802	3.35E-12	0.0284263	0.0153782	0.06453247	0.681041	15	0.50845953
ENSG00000273117	7	AC144652.1	155087628	rs12111603	7	155091753	T	A	0.507952	-0.0085146	0.00806668	0.291186	0.380402	0.066487	1.06E-08	-0.0223831	0.0215635	0.2992668	0.1810479	8	0.77863838
ENSG00000236544	7	AC008060.8	155213901	rs4717009	7	155243808	A	C	0.673956	0.00062039	0.00841208	0.94121	0.728813	0.089191	3.05E-16	0.00085123	0.0115426	0.9412123	0.9348439	6	0.99338916
ENSG00000182648	7	LINC01006	156264890	rs6980337	7	156434546	G	A	0.39165	-0.0083835	0.00808293	0.29965	-0.817217	0.0661787	4.95E-35	0.0102586	0.00992563	0.3013494	0.6057888	20	0.77863838
ENSG00000146909	7	NOM1	156742417	rs2302443	7	156762224	C	G	0.570577	0.0135478	0.00808514	0.0938102	0.758345	0.0652201	2.99E-31	0.017865	0.0107717	0.09721484	0.4670248	20	0.59814366
ENSG00000146918	7	NCAPG2	158424003	rs76587633	7	158471852	C	T	0.0974155	0.0255762	0.0170961	0.134646	-0.632139	0.0966365	6.09E-11	-0.0404598	0.0277431	0.144738	0.6524419	11	0.64340763
ENSG00000117868	7	ESYT2	158523686	rs13242353	7	158519114	T	G	0.16998	-0.0013496	0.010446	0.897203	0.571656	0.0752688	3.08E-14	-0.0023608	0.0182759	0.8972175	0.335291	20	0.98597578
ENSG00000126870	7	WDR60	158649269	rs57749831	7	158686626	A	T	0.235586	0.0109161	0.00934022	0.242515	-1.07253	0.0906634	2.74E-32	-0.0101779	0.00875098	0.2448061	0.8369943	19	0.73840068
ENSG00000272293	8	RP11-91J19.3	400714	rs17745365	8	396374	A	T	0.109344	0.0302462	0.0132419	0.0223645	-0.85994	0.156156	3.65E-08	-0.0351725	0.0166707	0.03487194	0.5487348	9	0.42486912
ENSG00000180190	8	TDRP	439803	rs10105131	8	494804	G	C	0.7167	0.00962555	0.0085559	0.260581	0.440983	0.0749061	3.93E-09	0.0218275	0.019753	0.2691496	0.9030615	5	0.75671117
ENSG00000104714	8	ERICH1	564746	rs4735918	8	684972	C	G	0.532803	-0.0195819	0.00809356	0.0155443	0.585569	0.0783541	7.82E-14	-0.0334408	0.014528	0.02134522	0.9858051	20	0.36599066
ENSG00000182372	8	CLN8	1703944	rs6558532	8	1709593	G	C	0.681909	0.0129808	0.00918842	0.157734	0.472756	0.0614118	1.38E-14	0.0274577	0.0197604	0.1646717	0.6837137	20	0.66144226
ENSG00000253982	8	CTD-2336O2.1	1710156	rs6558535	8	1710632	C	T	0.688867	0.0139258	0.00951819	0.143448	0.593721	0.0719013	1.49E-16	0.0234551	0.0162811	0.1496882	0.2104186	18	0.64835856
ENSG00000104728	8	ARHGEF10	1772142	rs3817693	8	1807864	G	A	0.293241	0.0139804	0.00891806	0.116962	0.73981	0.0687629	5.38E-27	0.0188973	0.0121818	0.1208371	0.6816686	10	0.62692666
ENSG00000253696	8	KBTBD11-OT1	1919563	rs6994044	8	1903059	T	C	0.427435	-0.0107654	0.00813953	0.185967	0.440067	0.0750628	4.56E-09	-0.0244631	0.018961	0.1969872	0.0627418	10	0.69930456
ENSG00000176595	8	KBTBD11	1922044	rs6999840	8	1904264	T	C	0.324056	0.00318613	0.00857172	0.710114	-0.89321	0.0738806	1.19E-33	-0.0035671	0.00960107	0.7102451	0.1532028	20	0.93968224
ENSG00000036448	8	MYOM2	1993155	rs1822036	8	2001704	G	A	0.423459	-0.0022767	0.00868995	0.793325	1.07535	0.0887605	8.78E-34	-0.0021172	0.00808293	0.793371	0.9646082	20	0.96095628
ENSG00000254319	8	RP11-134O21.1	2523591	rs7463885	8	2585696	T	C	0.382704	-0.0063204	0.00871816	0.468468	-0.750429	0.0953459	3.53E-15	0.00842244	0.0116667	0.4703449	0.6250931	15	0.85740342
ENSG00000253853	8	GS1-57L11.1	2584858	rs62490172	8	2588443	G	T	0.372763	-0.0059215	0.0086638	0.494303	-0.707916	0.099136	9.28E-13	0.00836475	0.0122944	0.4962694	0.9147584	15	0.86435789
ENSG00000147316	8	MCPH1	6264113	rs74607633	8	6315292	T	A	0.163022	-0.0024579	0.0140999	0.861615	0.693653	0.0949409	2.75E-13	-0.0035434	0.0203328	0.8616538	0.6369413	15	0.97828063
ENSG00000271743	8	CTD-2541M15.3	6473125	rs1974946	8	6488787	A	G	0.274354	0.00791006	0.00907124	0.383212	-0.491476	0.0855002	9.02E-09	-0.0160945	0.0186683	0.388616	0.2033968	14	0.82295689
ENSG00000164825	8	DEFB1	6728097	rs2702884	8	6738892	C	T	0.638171	0.00724703	0.00822944	0.378522	-0.689222	0.0844738	3.38E-16	-0.0105148	0.0120095	0.3812815	0.1765101	12	0.82033551
ENSG00000233295	8	FAM90A20P	7152536	rs181776644	8	7163005	A	T	0.0735586	0.0229737	0.0159143	0.148856	-0.928038	0.142433	7.24E-11	-0.0247551	0.0175642	0.1587139	0.8251899	3	0.65838318
ENSG00000249188	8	ENPP7P1	8011830	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-0.735074	0.0944801	7.24E-15	-0.0253037	0.0116669	0.03009371	0.6050451	20	0.41039362
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-0.989538	0.0841625	6.46E-32	-0.0187968	0.00847527	0.026566	0.969665	20	0.39738637
ENSG00000173295	8	FAM86B3P	8086117	rs2980438	8	8094825	C	T	0.488072	0.0139816	0.00827822	0.0912263	-0.715278	0.0587516	4.24E-34	-0.0195471	0.0116843	0.094339	0.0896212	20	0.58914688
ENSG00000253981	8	ALG1L13P	8093525	rs2980438	8	8094825	C	T	0.488072	0.0139816	0.00827822	0.0912263	-0.441135	0.0763864	7.69E-09	-0.0316946	0.0195518	0.1050052	0.2036045	13	0.60570888
ENSG00000173273	8	TNKS	9413424	rs17734024	8	9635770	A	G	0.0954274	0.0117917	0.0138763	0.39545	0.444637	0.0801899	2.94E-08	0.0265198	0.0315725	0.4009277	0.6289099	6	0.82963504
ENSG00000261451	8	RP11-981G7.1	10291182	rs35324154	8	10290671	T	C	0.272366	-0.0180789	0.00968354	0.0619056	-0.782657	0.0752604	2.50E-25	0.0230994	0.0125705	0.06612228	0.1257682	20	0.51232503
ENSG00000253641	8	RP11-981G7.2	10332075	rs3750314	8	10285810	C	T	0.0337972	0.0444768	0.0218777	0.0420552	-1.12893	0.123221	5.10E-20	-0.0393973	0.0198505	0.04717785	0.28113	7	0.47851819
ENSG00000207128	8	RNU6-729P	10333733	rs11995447	8	10362343	T	A	0.295229	-0.0057705	0.00869751	0.507029	0.577767	0.0877926	4.67E-11	-0.0099877	0.01513	0.5091742	0.7313662	20	0.86831771
ENSG00000253678	8	RP11-981G7.3	10335001	rs4128260	8	10335262	C	T	0.684891	0.00983285	0.00866642	0.256546	-1.01785	0.0728645	2.41E-44	-0.0096604	0.00854248	0.2581107	0.4334726	20	0.74586579
ENSG00000253649	8	PRSS51	10340388	rs3750314	8	10285810	C	T	0.0337972	0.0444768	0.0218777	0.0420552	-1.02431	0.147323	3.58E-12	-0.0434212	0.0222528	0.0510246	0.3517163	6	0.48714964
ENSG00000272505	8	RP11-981G7.6	10344317	rs3750314	8	10285810	C	T	0.0337972	0.0444768	0.0218777	0.0420552	-1.22804	0.155488	2.83E-15	-0.0362177	0.0183959	0.04897641	0.2478424	6	0.48315085
ENSG00000184647	8	PRSS55	10383056	rs112322985	8	10363665	T	G	0.0934394	-0.0155616	0.0135832	0.251941	1.43507	0.136014	5.03E-26	-0.0108438	0.00952082	0.2547216	0.00706762	20	0.74586579
ENSG00000269918	8	AF131215.9	10962201	rs7813802	8	11033976	C	T	0.514911	-0.0181849	0.00820685	0.0267036	-0.26773	0.0481139	2.63E-08	0.0679225	0.0329944	0.0395318	0.1719501	20	0.44087342
ENSG00000255310	8	AF131215.2	10965298	rs2409691	8	10943276	T	C	0.472167	-0.016751	0.00823336	0.0418986	-0.384514	0.0517814	1.12E-13	0.0435641	0.0222015	0.04973787	0.5202088	20	0.48431865
ENSG00000154316	8	TDH	11197146	rs11250129	8	11202154	A	G	0.457256	0.0118103	0.00805506	0.142597	-0.39259	0.0579847	1.28E-11	-0.030083	0.0209933	0.1518632	0.1123825	20	0.6516889
ENSG00000255020	8	AF131216.5	11203257	rs11777746	8	11204755	C	T	0.510934	0.0157765	0.00824059	0.0555572	0.47295	0.0488085	3.33E-22	0.0333576	0.0177606	0.06035664	0.3895962	20	0.50428503
ENSG00000184608	8	C8orf12	11225911	rs7828263	8	11231886	G	A	0.472167	-0.0189837	0.00830116	0.0222029	0.40934	0.0699405	4.84E-09	-0.0463764	0.0217725	0.03316811	0.810905	15	0.42178047
ENSG00000164733	8	CTSB	11700033	rs11250169	8	11699408	G	T	0.522863	0.00692816	0.0081791	0.396964	-0.373479	0.064975	9.03E-09	-0.0185503	0.0221363	0.4020272	0.3015006	7	0.83053613
ENSG00000205882	8	DEFB134	11850692	rs55907235	8	11872734	T	C	0.390656	-0.0040621	0.00904875	0.653496	-0.586882	0.0833314	1.88E-12	0.00692148	0.0154496	0.6541514	0.09837727	20	0.92291695
ENSG00000255174	8	RP11-481A20.4	11856596	rs7829043	8	11860625	T	C	0.620278	0.00451487	0.00873033	0.605054	0.814362	0.106024	1.58E-14	0.00554406	0.0107447	0.6058687	0.0396813	20	0.90341567
ENSG00000254507	8	RP11-481A20.10	11860909	rs6601649	8	11857317	T	C	0.549702	0.0080595	0.00851292	0.343772	0.864192	0.0731909	3.58E-32	0.00932605	0.00988234	0.3453185	0.087513	20	0.8110906
ENSG00000255495	8	FAM85A	12051976	rs3988873	8	11986310	A	T	0.224652	-0.0126636	0.0132716	0.339989	0.64813	0.11149	6.12E-09	-0.0195387	0.0207508	0.3464034	0.774238	3	0.8110906
ENSG00000227888	8	FAM66A	12219527	rs373463701	8	12148504	C	T	0.510934	0.00354856	0.0106175	0.738215	0.709636	0.0874148	4.74E-16	0.00500054	0.0149746	0.7384285	0.2634665	20	0.94584644
ENSG00000254423	8	RP11-351I21.7	12231875	rs2729940	8	11382367	A	G	0.416501	0.0186337	0.00814465	0.0221462	0.514967	0.0849574	1.35E-09	0.0361843	0.0169049	0.0323181	0.6536507	20	0.42178047
ENSG00000255556	8	RP11-351I21.6	12236188	rs9693773	8	12185802	T	C	0.45328	-0.0061023	0.0103773	0.556502	-0.635891	0.0878043	4.42E-13	0.00959647	0.016373	0.5577981	0.2698571	20	0.88271976
ENSG00000251402	8	FAM90A25P	12272589	rs9772207	8	11992188	G	C	0.308151	-0.0051079	0.0115345	0.657884	0.616189	0.107845	1.11E-08	-0.0082895	0.0187752	0.6588426	0.2496385	3	0.92410154
ENSG00000251468	8	RP11-369K16.1	12815896	rs2954193	8	12818373	C	T	0.863817	-0.0089444	0.0105343	0.395841	0.68374	0.10175	1.82E-11	-0.0130816	0.0155294	0.3995774	0.07064523	20	0.82963504
ENSG00000104723	8	TUSC3	15274724	rs9657257	8	15470113	A	G	0.298211	0.00597583	0.00864948	0.489636	-0.401276	0.0597335	1.85E-11	-0.0148921	0.0216686	0.4919165	0.2272828	20	0.86252211
ENSG00000198791	8	CNOT7	17086737	rs73200936	8	17121711	A	C	0.0656064	0.0185374	0.0160384	0.247757	1.0477	0.0987482	2.68E-26	0.0176934	0.0153988	0.2505495	0.7449323	14	0.74405279
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.964673	0.0641913	4.81E-51	0.00528364	0.0087432	0.5456353	0.1253368	20	0.88045574
ENSG00000104763	8	ASAH1	17913934	rs10503609	8	17918768	T	C	0.342942	0.0143069	0.0088554	0.106177	-0.532099	0.0590064	1.92E-19	-0.0268877	0.0169074	0.1117691	0.8966035	20	0.61545125
ENSG00000156011	8	PSD3	18384811	rs6992958	8	18356519	C	G	0.654076	-0.0112132	0.00818277	0.17058	0.445171	0.0486213	5.39E-20	-0.0251885	0.0185859	0.1753386	0.2037231	19	0.67151653
ENSG00000104611	8	SH2D4A	19171128	rs4922018	8	19175988	C	A	0.789264	0.0104784	0.00994919	0.292256	0.675038	0.0924079	2.77E-13	0.0155227	0.0148911	0.2972202	0.5469165	18	0.77863838
ENSG00000147408	8	CSGALNACT1	19261672	rs10888163	8	19315034	T	G	0.431412	-0.0052088	0.00810189	0.520283	0.33359	0.0491545	1.15E-11	-0.0156143	0.0243957	0.5221442	0.5359798	20	0.87239215
ENSG00000104613	8	INTS10	19674651	rs2410612	8	19681647	A	G	0.647117	-0.0001431	0.00861876	0.986749	0.605885	0.0627999	5.02E-22	-0.0002363	0.0142251	0.9867486	0.8811919	20	0.9986305
ENSG00000158806	8	NPM2	21881636	rs13253213	8	21896972	T	G	0.441352	0.00477046	0.00816019	0.558816	0.32274	0.0459403	2.14E-12	0.0147811	0.0253715	0.5601707	0.4169078	9	0.88271976
ENSG00000158815	8	FGF17	21899909	rs7813392	8	21896097	G	A	0.423459	-7.45E-05	0.00815779	0.992713	0.275546	0.0389638	1.53E-12	-0.0002704	0.0296059	0.9927125	0.3702049	7	0.99906546
ENSG00000168490	8	PHYHIP	22077222	rs4872427	8	22086164	C	T	0.883698	-0.0197825	0.0140146	0.15808	-0.571186	0.0567572	8.00E-24	0.0346341	0.0247761	0.1621491	0.4178258	16	0.66025332
ENSG00000197181	8	PIWIL2	22132810	rs4871990	8	22132837	T	C	0.569583	-0.001686	0.00846056	0.842048	-0.497591	0.0840781	3.25E-09	0.00338826	0.0170127	0.8421367	0.2521641	12	0.97564033
ENSG00000120910	8	PPP3CC	22298332	rs2449335	8	22405723	C	A	0.460239	0.00705442	0.00811047	0.384414	-0.407916	0.0638133	1.63E-10	-0.0172938	0.0200659	0.3887701	0.4995238	20	0.82295689
ENSG00000241852	8	C8orf58	22457114	rs13274496	8	22440898	A	G	0.217694	-7.57E-05	0.0107997	0.994405	0.388749	0.0612025	2.13E-10	-0.0001948	0.0277807	0.9944049	0.2434199	11	0.99906546
ENSG00000158941	8	CCAR2	22462145	rs4871841	8	22783008	G	A	0.382704	0.0029896	0.0085208	0.725695	-0.301855	0.0524022	8.39E-09	-0.0099041	0.0282804	0.7261811	0.08020947	5	0.94070655
ENSG00000134020	8	PEBP4	22570769	rs2175192	8	22785159	A	G	0.188867	-0.0183523	0.010148	0.0705326	-0.473526	0.0651053	3.51E-13	0.0387567	0.0220833	0.07925488	0.7273205	9	0.55335713
ENSG00000173535	8	TNFRSF10C	22941868	rs72607400	8	22942117	T	C	0.162028	-0.0195097	0.00971503	0.0446221	0.498237	0.0830754	2.00E-09	-0.0391575	0.0205629	0.0568739	0.5737061	9	0.49855845
ENSG00000147457	8	CHMP7	23101150	rs73224413	8	23108406	G	A	0.256461	-0.023862	0.00867656	0.00595648	-0.653723	0.0857345	2.44E-14	0.0365017	0.0141095	0.00968049	0.0097711	10	0.31483445
ENSG00000197217	8	ENTPD4	23243296	rs4872136	8	23315347	A	T	0.54175	-0.0101968	0.0080538	0.205482	-0.296157	0.0529159	2.18E-08	0.0344304	0.0278815	0.2168742	0.6154855	3	0.71877899
ENSG00000228451	8	SDAD1P1	26236775	rs4872426	8	26199629	C	T	0.136183	0.00061618	0.0105024	0.953215	0.953056	0.121182	3.70E-15	0.00064653	0.01102	0.9532163	0.8279665	5	0.9942403
ENSG00000240694	8	PNMA2	26362202	rs2241910	8	26323767	G	C	0.159046	0.02421	0.0102083	0.0177109	1.23276	0.0923978	1.32E-40	0.0196389	0.00841066	0.01954359	0.4426126	20	0.35949739
ENSG00000104228	8	TRIM35	27142404	rs57996039	8	27139761	C	T	0.0974155	-0.0273632	0.0178436	0.125152	0.8522	0.121561	2.38E-12	-0.0321089	0.0214334	0.1341124	0.07201191	8	0.63721248
ENSG00000120903	8	CHRNA2	27317279	rs72477506	8	27394257	T	C	0.0735586	-0.0186513	0.0199387	0.349567	1.41456	0.171203	1.43E-16	-0.0131852	0.0141854	0.352633	0.4888588	20	0.81467596
ENSG00000120915	8	EPHX2	27348296	rs6990733	8	27404137	A	G	0.144135	0.00552928	0.012045	0.646197	0.721701	0.0837138	6.63E-18	0.00766146	0.0167134	0.6466633	0.04287042	10	0.92223619
ENSG00000147419	8	CCDC25	27590835	rs10097446	8	27625974	C	A	0.530815	0.0213454	0.00805767	0.00807124	-0.56969	0.0567131	9.65E-24	-0.0374684	0.0146275	0.01042204	0.3888955	20	0.31487106
ENSG00000134014	8	ELP3	27947190	rs34247390	8	27948535	G	T	0.337972	0.0070416	0.00849007	0.406882	0.642184	0.0651491	6.38E-23	0.0109651	0.0132673	0.4085364	0.9479223	18	0.83648741
ENSG00000168081	8	PNOC	28174503	rs17058952	8	28174354	G	A	0.369781	0.00402505	0.00875717	0.645782	-0.500861	0.06569	2.45E-14	-0.0080363	0.017516	0.6463805	0.4185285	11	0.92223619
ENSG00000272375	8	RP11-51J9.6	30054920	rs12544416	8	30039573	A	G	0.0914513	-0.0266154	0.0151498	0.0789496	0.792614	0.110376	6.92E-13	-0.0335793	0.0196774	0.08791707	0.1637772	20	0.57311415
ENSG00000104687	8	GSR	30535583	rs2278092	8	30601805	T	C	0.822068	0.00562823	0.00953981	0.555208	-0.757993	0.0800906	2.96E-21	-0.0074252	0.01261	0.5559753	0.1270212	20	0.88271976
ENSG00000272338	8	RP11-722E23.2	33218361	rs2732318	8	33330688	G	A	0.62326	-0.0080153	0.00834313	0.336701	-0.390987	0.0549626	1.13E-12	0.0205001	0.0215324	0.3410659	0.5636558	20	0.80962327
ENSG00000172728	8	FUT10	33228342	rs2732275	8	33348104	A	G	0.625249	-0.0087124	0.00835133	0.296842	-0.36596	0.0578761	2.56E-10	0.0238068	0.0231288	0.3033321	0.1573863	20	0.77894167
ENSG00000085788	8	DDHD2	38082736	rs6992943	8	38096299	G	A	0.254473	-0.0141657	0.0102955	0.16885	0.328292	0.043026	2.35E-14	-0.0431497	0.0318666	0.1757134	0.7612928	7	0.67151653

ENSG00000147535	8	PPAPDC1B	38120648	rs56322953	8	38243227	A	T	0.255467	-0.0173281	0.0102216	0.0900306	0.686625	0.0896437	1.87E-14	-0.0252366	0.015247	0.09788632	0.4640057	11	0.59814366
ENSG00000255201	8	RP11-350N15.4	38279407	rs62505467	8	38257339	T	C	0.0586481	0.00079854	0.0159736	0.960129	0.568621	0.0946254	1.86E-09	0.00140435	0.0280928	0.9601306	0.6532405	5	0.99596391
ENSG00000239218	8	RPS20P22	38291865	rs60527016	8	38299624	C	T	0.242545	-0.0142232	0.0107389	0.185352	0.394487	0.0681074	6.95E-09	-0.0360549	0.0279251	0.1966583	0.954565	8	0.69862896
ENSG00000169490	8	TM2D2	38846327	rs28626007	8	38851204	C	A	0.368787	-0.0062723	0.00838841	0.454618	-0.378071	0.0528257	8.25E-13	0.0165903	0.0223082	0.4570642	0.7253025	16	0.85493901
ENSG00000029534	8	ANK1	41510739	rs7831530	8	41614567	A	G	0.588469	0.0150691	0.00817986	0.0654425	0.292635	0.0519944	1.82E-08	0.0514945	0.0294117	0.07997759	0.3627096	7	0.55491203
ENSG00000070718	8	AP3M2	42010464	rs4481580	8	42031886	A	G	0.399602	0.00855778	0.0081936	0.296279	-0.333092	0.0489276	9.91E-12	-0.0256919	0.0248864	0.3018997	0.4661906	6	0.77863838
ENSG00000176209	8	SMIM19	42396298	rs62509329	8	42438616	G	A	0.585487	-0.0011601	0.00822891	0.887886	-0.389564	0.0463037	3.99E-17	0.00297794	0.0211263	0.8879025	0.5091468	18	0.98447405
ENSG00000147432	8	CHRNB3	42552519	rs7012713	8	42592303	C	T	0.966203	-0.0067098	0.0313389	0.830466	-1.8086	0.234546	1.25E-14	0.00370994	0.0173344	0.8305301	0.08920669	13	0.97101771
ENSG00000147434	8	CHRNA6	42607763	rs7012713	8	42592303	C	T	0.966203	-0.0067098	0.0313389	0.830466	-1.74762	0.24582	1.17E-12	0.00383939	0.0179405	0.8305415	0.06234043	15	0.97101771
ENSG00000104738	8	MCM4	48872745	rs762679	8	48885436	A	T	0.84493	0.0040172	0.01075	0.708632	0.447863	0.0599852	8.25E-14	0.00896971	0.0240329	0.7089804	0.5763573	13	0.93968224
ENSG00000034239	8	EFCAB1	49623348	rs3750259	8	49647910	A	C	0.605368	0.00063178	0.00828332	0.939203	-0.811416	0.0822931	6.20E-23	-0.0007786	0.0102088	0.9392046	0.5561317	20	0.99333365
ENSG00000271148	8	RP11-401N18.1	50819423	rs35793294	8	50115020	C	T	0.485089	-0.0065975	0.00805852	0.412959	-0.528967	0.0925053	1.08E-08	0.0124724	0.0153898	0.4176912	0.9350086	4	0.83949286
ENSG00000147481	8	SNTG1	50822349	rs1876719	8	50072498	A	G	0.484095	-0.0051707	0.00806204	0.521291	-0.694369	0.0906825	1.90E-14	0.00744656	0.0116513	0.5227444	0.4419403	15	0.87256772
ENSG00000168300	8	PCMTD1	52730140	rs13264242	8	52811914	G	C	0.88171	-0.0056371	0.0128447	0.660759	0.72129	0.0653207	2.39E-28	-0.0078153	0.017822	0.6610102	0.6270405	20	0.92466627
ENSG00000254087	8	LYN	56792372	rs62515219	8	56600831	A	G	0.406561	0.0118677	0.00870885	0.17297	-0.354784	0.062851	1.65E-08	-0.0334505	0.0252521	0.1852826	0.1263865	13	0.68485607
ENSG00000236814	8	RP11-446E9.1	56962597	rs112548719	8	57005579	T	C	0.255467	0.00063431	0.0101332	0.950087	-0.692455	0.0720102	6.84E-22	-0.000916	0.014634	0.9500885	0.5005931	18	0.99338916
ENSG00000008988	8	RPS20	56979854	rs556193887	8	57016826	A	G	0.222664	0.0104675	0.0107415	0.329814	0.426635	0.0636441	2.04E-11	0.024535	0.0254419	0.334868	0.6925893	9	0.80238543
ENSG00000181195	8	PENK	57349233	rs1025116	8	57755431	A	G	0.236581	0.0174188	0.00861838	0.0432663	-0.749525	0.104368	6.89E-13	-0.0232398	0.0119451	0.05170963	0.6425825	7	0.4899779
ENSG00000254254	8	RP11-17A4.2	57358366	rs4738546	8	57756288	G	A	0.236581	0.0174413	0.00861845	0.0429992	-0.665766	0.107665	6.26E-10	-0.0261973	0.0136208	0.0544377	0.5055881	5	0.49855845
ENSG00000241431	8	RP11-17A4.1	57500944	rs2582415	8	57477736	A	G	0.465209	0.0125474	0.00810071	0.1214	0.595916	0.0963595	6.24E-10	0.0210557	0.0140136	0.1329639	0.8009579	5	0.63721248
ENSG00000253301	8	RP11-513O17.2	58055248	rs77691549	8	58055126	T	G	0.176938	-0.0124955	0.00993816	0.208634	1.08224	0.137254	3.15E-15	-0.011546	0.00929897	0.2143699	0.6653578	13	0.71470811
ENSG00000177182	8	CLVS1	61969717	rs2931288	8	62187703	T	C	0.329026	-0.0038476	0.00807714	0.633824	-0.46183	0.0632932	2.95E-13	0.00833112	0.0175267	0.6345447	0.8226621	20	0.91732007
ENSG00000137563	8	GGH	63927638	rs35791650	8	63965448	G	A	0.27833	0.006757	0.00929804	0.467402	0.517519	0.0552188	7.11E-21	0.0130565	0.0180205	0.4687358	0.7439427	20	0.85740342
ENSG00000254081	8	CTD-3025N20.2	66439243	rs10091345	8	66552315	A	G	0.532803	0.0121139	0.00808511	0.134055	0.644943	0.0738681	2.52E-18	0.0187829	0.0127194	0.139753	0.2613792	19	0.63721248
ENSG00000272010	8	CTD-3025N20.3	66504085	rs7464223	8	66521890	T	C	0.38668	-0.0151571	0.00859487	0.0778162	-0.430775	0.0628101	6.97E-12	0.0351857	0.0206011	0.08764616	0.2261292	15	0.57305356
ENSG00000104442	8	ARMC1	66514694	rs34851482	8	66518462	A	G	0.316103	-0.0138801	0.00907985	0.126346	0.279666	0.0426384	5.42E-11	-0.049631	0.0333369	0.1365476	0.5278868	10	0.63721248
ENSG00000147576	8	ADHFE1	67342420	rs2555569	8	67381459	T	C	0.501988	0.00327167	0.00808412	0.685697	0.539543	0.0407877	6.04E-40	0.00606378	0.0149903	0.6858348	0.6644894	20	0.92986305
ENSG00000248801	8	RP11-664D7.4	69215703	rs2676648	8	69295941	C	G	0.150099	-0.0194957	0.0116735	0.094903	0.864654	0.10382	8.19E-17	-0.0225474	0.0137695	0.1015295	0.0442781	8	0.6014221
ENSG00000165084	8	C8orf34	69242957	rs2676648	8	69295941	C	G	0.150099	-0.0194957	0.0116735	0.094903	0.735583	0.101448	4.14E-13	-0.0265037	0.0162852	0.1036373	0.9501551	4	0.60336467
ENSG00000221947	8	XKR9	71581600	rs6993170	8	71693519	T	A	0.516899	-0.0152763	0.0080495	0.0577245	0.807905	0.0758832	1.81E-26	-0.0189085	0.0101205	0.06171403	0.340789	11	0.50814002
ENSG00000040341	8	STAU2	74332604	rs7834451	8	74722418	A	G	0.130219	0.0248137	0.0126748	0.050262	0.388703	0.0485409	1.17E-15	0.0638372	0.0335683	0.05720886	0.6661652	16	0.49855845
ENSG00000104343	8	UBE2W	74692332	rs6983756	8	74800786	G	A	0.131213	0.0264857	0.0126318	0.0360164	0.44901	0.0642666	2.81E-12	0.0589869	0.0293721	0.04461553	0.9938338	11	0.46349438
ENSG00000164751	8	PEX2	77892494	rs4551327	8	77904944	C	T	0.580517	0.00355662	0.00807233	0.659508	0.315829	0.0556539	1.39E-08	0.0112612	0.0256361	0.6604644	0.4019829	4	0.92466627
ENSG00000260398	8	RP11-594N15.3	79518187	rs1402067	8	79482385	C	A	0.202783	-0.0126763	0.00983342	0.197362	0.469379	0.0776922	1.53E-09	-0.0270065	0.0214215	0.2074083	0.2785162	10	0.70786449
ENSG00000104432	8	IL7	79587978	rs1441850	8	79657666	C	T	0.285288	-0.0109287	0.00910778	0.230167	-1.12861	0.0783492	4.82E-47	0.00968333	0.00809786	0.2317791	0.1128431	19	0.7275513
ENSG00000254352	8	RP11-578O24.2	79636031	rs1441850	8	79657666	C	T	0.285288	-0.0109287	0.00910778	0.230167	-1.05433	0.0974941	2.95E-27	0.0103655	0.00869147	0.2330217	0.1143632	16	0.7275513
ENSG00000253598	8	SLC10A5	82605842	rs75348453	8	82626146	A	G	0.0437376	0.0198365	0.0259902	0.445327	-1.1189	0.188016	2.66E-09	-0.0177286	0.0234186	0.4490322	0.4345796	5	0.85417294
ENSG00000104231	8	ZFAND1	82613569	rs75348453	8	82626146	A	G	0.0437376	0.0198365	0.0259902	0.445327	-0.801179	0.138484	7.24E-09	-0.0247591	0.032721	0.4492453	0.2775587	6	0.85417294
ENSG00000104497	8	SNX16	82711816	rs10106226	8	82705573	C	T	0.406561	0.024823	0.00844056	0.00327235	0.438799	0.0572039	1.71E-14	0.0565703	0.0206009	0.00603236	0.1671224	13	0.26570111
ENSG00000185015	8	CA13	86132816	rs1809820	8	86231184	G	A	0.761431	0.0245178	0.0107711	0.0228302	-0.762967	0.0784101	2.24E-22	-0.0321348	0.0144985	0.02666274	0.1065421	20	0.39765347
ENSG00000176623	8	RMDN1	87480486	rs4961193	8	87486168	C	T	0.27833	0.015466	0.00916869	0.0916368	0.701546	0.059114	1.74E-32	0.0220456	0.0132006	0.09491099	0.5348314	20	0.58914688
ENSG00000250569	8	NTAN1P2	87493983	rs7820697	8	87502855	C	A	0.550696	0.00630897	0.00823167	0.443423	-0.572523	0.0891305	1.33E-10	-0.0110196	0.0144799	0.4466401	0.6276752	13	0.85417294
ENSG00000085719	8	CPNE3	87497059	rs10504825	8	87567848	C	A	0.384692	0.0168771	0.00854492	0.0482559	0.260638	0.0436604	2.38E-09	0.064753	0.0345324	0.06077399	0.07679467	13	0.50471447
ENSG00000251136	8	RP11-37B2.1	90621638	rs218953	8	90721818	G	T	0.571571	-0.0182755	0.00817345	0.0253548	-0.497296	0.0778265	1.66E-10	0.0367497	0.017413	0.03481726	0.07717338	18	0.42486912
ENSG00000253704	8	RP11-267M23.4	95565950	rs4373498	8	95549126	A	G	0.310139	0.0191706	0.0083235	0.0212682	0.589917	0.107721	4.34E-08	0.0324971	0.0153067	0.03374824	0.5913443	7	0.42178047
ENSG00000156162	8	DPY19L4	95731931	rs7813107	8	95734224	A	C	0.624254	-0.0032483	0.0085114	0.702726	0.34672	0.0576549	1.81E-09	-0.0093687	0.0245977	0.7032935	0.3750193	8	0.93781922
ENSG00000164941	8	INTS8	95825539	rs113338212	8	95878574	A	G	0.0367793	-0.0169981	0.0241428	0.481392	0.998239	0.114518	2.86E-18	-0.0170281	0.0242642	0.4828167	0.3916539	20	0.86066122
ENSG00000156170	8	NDUFAF6	95907995	rs6471502	8	95988484	A	G	0.559642	0.0097943	0.00810038	0.226618	0.476203	0.0586431	4.65E-16	0.0205675	0.0171979	0.2317234	0.4340543	20	0.7275513
ENSG00000245080	8	MIR3150B	96079036	rs13279040	8	96080389	C	A	0.171968	0.00317481	0.0105745	0.763999	1.26274	0.11299	5.36E-29	0.00251422	0.00837727	0.7640823	0.6929814	20	0.95514229
ENSG00000156471	8	PTDSS1	97273943	rs7001397	8	97342582	T	C	0.478131	-0.0197001	0.00812704	0.0153497	-0.296971	0.0499522	2.76E-09	0.0663368	0.0295538	0.02479322	0.4364027	15	0.38644663
ENSG00000180543	8	TSPYL5	98285717	rs28669903	8	98289986	T	C	0.631213	0.0074462	0.00834107	0.372009	-0.474659	0.0651179	3.12E-13	-0.0156875	0.0177041	0.3755665	0.6583118	12	0.82033551
ENSG00000104341	8	LAPTM4B	98787285	rs2438209	8	98796472	C	T	0.152087	-0.0002091	0.012364	0.986504	0.387406	0.0594507	7.20E-11	-0.0005399	0.0319149	0.9865038	0.9510089	7	0.99858748
ENSG00000104361	8	NIPAL2	99202061	rs13263648	8	99222276	C	T	0.159046	0.0316077	0.0124056	0.0108385	-0.614645	0.0903564	1.03E-11	-0.0514243	0.0215526	0.0170334	0.230144	4	0.35094177
ENSG00000164919	8	COX6C	100885428	rs35509895	8	100884321	G	C	0.148111	-0.0243448	0.012036	0.0431082	-0.347829	0.058298	2.43E-09	0.0699907	0.0365376	0.05541835	0.4226112	5	0.49855845
ENSG00000104450	8	SPAG1	101170134	rs7822587	8	101199029	A	G	0.21173	0.0116883	0.00922727	0.205257	0.639148	0.0766317	7.40E-17	0.0182873	0.0146024	0.2104417	0.04160526	12	0.71101649
ENSG00000034677	8	RNF19A	101269288	rs1788193	8	101276677	T	C	0.633201	0.0209356	0.00855471	0.0143946	-0.39096	0.0500702	5.80E-15	-0.0535492	0.0229308	0.01953046	0.1006265	16	0.35949739
ENSG00000174226	8	SNX31	101585116	rs1693551	8	101675584	C	T	0.467197	-0.003388	0.00813056	0.676895	0.767199	0.0695693	2.81E-28	-0.0044161	0.0106053	0.6771121	0.6683876	20	0.92610213
ENSG00000164924	8	YWHAZ	101928753	rs4734500	8	101970119	T	C	0.586481	-0.012527	0.00807781	0.120952	-0.369158	0.0339118	1.35E-27	0.033934	0.0221026	0.1247124	0.3362096	20	0.63282784
ENSG00000164929	8	BAALC	104152938	rs28672985	8	104163922	C	T	0.32008	0.00161954	0.00867164	0.851846	0.228831	0.0413222	3.06E-08	0.00707745	0.0379169	0.8519298	0.5667945	10	0.97754318
ENSG00000164930	8	FZD6	104310661	rs827528	8	104312432	G	A	0.270378	-0.0120362	0.00943361	0.201995	-0.376001	0.0628647	2.22E-09	0.0320111	0.0256538	0.2121007	0.6878003	5	0.71235334
ENSG00000266289	8	RP11-1C8.6	104395306	rs2388720	8	104460050	C	A	0.472167	0.00145852	0.00805108	0.856243	0.635651	0.0733534	4.49E-18	0.00229453	0.0126686	0.8562744	0.4574251	20	0.97828063
ENSG00000271830	8	RP11-1C8.7	104493494	rs35667758	8	104508704	T	A	0.38668	0.0104774	0.00810571	0.196149	0.8079	0.0620322	8.95E-39	0.0129687	0.0100824	0.1983469	0.7093362	20	0.70012354
ENSG00000253477	8	RP11-1C8.4	104495626	rs12544166	8	104480038	T	C	0.38668	0.010549	0.00810726	0.193196	0.731303	0.0642928	5.60E-30	0.0144249	0.0111583	0.196098	0.6237841	20	0.69762175
ENSG00000104412	8	EMC2	109455830	rs16878164	8	109587930	T	C	0.306163	-0.0012398	0.00906025	0.891159	0.434343	0.0526031	1.49E-16	-0.0028544	0.0208625	0.8911743	0.3384015	15	0.98547338
ENSG00000147654	8	EBAG9	110551940	rs1673392	8	110484866	T	A	0.294235	-0.0015129	0.00888925	0.86486	0.378942	0.0672496	1.75E-08	-0.0039924	0.0234688	0.864921	0.2721836	4	0.97828063
ENSG00000147642	8	SYBU	110586207	rs2844249	8	110628433	C	G	0.213718	-0.0065395	0.00983918	0.506281	-0.541071	0.0676848	1.31E-15	0.0120862	0.0182474	0.5077448	0.2133694	20	0.86831771
ENSG00000147679	8	UTP23	117778742	rs16888699	8	117735209	G	A	0.111332	-0.006457	0.0125495	0.60689	-0.711296	0.0941922	4.30E-14	0.00907774	0.0176841	0.6077211	0.7738499	4	0.90341567
ENSG00000147676	8	MAL2	120177273	rs1364708	8	120195363	A	G	0.683897	-0.0085648	0.00834721	0.304858	0.810806	0.0686651	3.54E-32	-0.0105633	0.0103337	0.3066778	0.09479956	20	0.77894167
ENSG00000136999	8	NOV	120428546	rs2432961	8	120197015	C	G	0.521869	-0.0002706	0.00807764	0.973275	0.65725	0.0854889	1.49E-14	-0.0004117	0.0122902	0.9732752	0.1620978	20	0.99743145
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.208	0.0945175	2.10E-37	-0.0044708	0.00801505	0.5769815	0.4739171	16	0.89169006
ENSG00000172167	8	MTBP	121457640	rs7001860	8	121546707	C	T	0.313121	0.0131443	0.00854017	0.123776	0.940362	0.0592604	1.05E-56	0.0139779	0.00912441	0.1255408	0.5739509	16	0.63348466
ENSG00000172164	8	SNTB1	121547985	rs7845391	8	121710942	C	G	0.287276	0.00131328	0.00980308	0.89343	0.310912	0.0496897	3.92E-10	0.00422396	0.0315373	0.8934537	0.9698345	5	0.98597578
ENSG00000156795	8	WDYHV1	124428965	rs3779988	8	124473085	A	G	0.586481	-0.0050901	0.0081724	0.533386	0.695886	0.0696292	1.62E-23	-0.0073146	0.0117667	0.53418	0.2726355	13	0.87557054
ENSG00000153317	8	ASAP1	131064353	rs17210536	8	131217790	C	T	0.138171	-0.0027579	0.0105581	0.79393	0.762415	0.0793471	7.35E-22	-0.0036173	0.0138533	0.7940043	0.3998653	20	0.96123335
ENSG00000253507	8	CTD-2501M5.1	132320792	rs4427152	8	132332751	G	A	0.675944	0.00840901	0.0084926	0.322097	0.622428	0.0992446	3.57E-10	0.01351	0.0138133	0.3280529	0.2073965	3	0.79781449
ENSG00000259820	8	AC083843.1	135804263	rs16905254	8	135841964	G	A	0.0775348	0.0246718	0.0164763	0.134287	-0.906661	0.127689	1.24E-12	-0.0272117	0.0185722	0.1428704	0.3636872	7	0.64075595
ENSG00000131773	8	KHDRBS3	136469700	rs7814368	8	136900947	G	A	0.304175	-0.0039212	0.00817147	0.631324	-0.34791	0.0591016	3.94E-09	0.0112707	0.0235652	0.6324522	0.7255857	7	0.91688388
ENSG00000169398	8	PTK2	141667999	rs2369409	8	141989870	G	A	0.444334	-0.0159232	0.00806151	0.0482436	-0.409377	0.0513796	1.62E-15	0.0388962	0.0202882	0.055215	0.5547854	20	0.49855845
ENSG00000171045	8	TSNARE1	143293441	rs13261479	8	143398255	C	T	0.15507	-0.0038606	0.0113202	0.733074	0.99473	0.0832923	7.09E-33	-0.0038811	0.0113848	0.7331801	0.1805609	20	0.94405672
ENSG00000261693	8	RP13-467H17.1	143485013	rs34954834	8	143451046	C	T	0.157058	0.00753154	0.0114324	0.510032	-0.736945	0.130116	1.48E-08	-0.0102199	0.0156178	0.5128688	0.9971493	9	0.87006491
ENSG00000160886	8	LY6K	143781529	rs13272904	8	143782614	C	T	0.459245	0.00419643	0.00812855	0.605674	-0.49175	0.0879872	2.29E-08	-0.0085337	0.0166002	0.6072033	0.02175787	11	0.90341567
ENSG00000253741	8	CTD-2292P10.4	143783670	rs2585175	8	143781289	C	G	0.473161	0.00767379	0.00809033	0.342868	-0.519533	0.0601818	5.99E-18	-0.0147706	0.015666	0.3457629	0.04505389	20	0.8110906
ENSG00000130193	8	THEM6	143808621	rs2585145	8	143799457	A	G	0.469185	0.00858798	0.0081141	0.289872	-0.653248	0.0495376	1.04E-39	-0.0131466	0.0124611	0.291421	0.00477439	20	0.77604504
ENSG00000253196	8	RP11-706C16.7	143844534	rs35290104	8	143847558	A	G	0.302187	-0.0231449	0.00854108	0.00673178	-0.480848	0.0852696	1.71E-08	0.0481335	0.019707	0.01458743	0.6543658	15	0.34725322
ENSG00000180155	8	LYNX1	143845752	rs2572932	8	143858280	G	C	0.885686	-0.0115204	0.0136494	0.398656	0.411755	0.0720884	1.12E-08	-0.0279788	0.0335093	0.4037425	0.639687	4	0.83158332
ENSG00000247317	8	RP11-273G15.2	144063155	rs4270938	8	144093864	T	C	0.581511	0.0129925	0.00807615	0.107671	-0.607289	0.0830496	2.62E-13	-0.0213943	0.0136167	0.1161421	0.2679459	15	0.61826457
ENSG00000177335	8	C8orf31	144120626	rs10090102	8	144120308	T	C	0.642147	0.00667839	0.00898019	0.45707	-0.574246	0.0928121	6.12E-10	-0.0116298	0.0157508	0.4602923	0.558303	6	0.8565704
ENSG00000176956	8	LY6H	144239331	rs10109061	8	144239859	G	A	0.403579	-0.0024386	0.00859119	0.776524	-0.631739	0.0862552	2.41E-13	0.00386017	0.0136095	0.7766876	0.1490194	6	0.95802127
ENSG00000253716	8	RP13-582O9.5	144362331	rs1063753	8	144362674	G	C	0.485089	0.00194367	0.00809113	0.810158	-0.805697	0.0735304	6.13E-28	-0.0024124	0.0100448	0.8102026	0.7679286	20	0.96594546
ENSG00000184428	8	TOP1MT	144386554	rs28549024	8	144389205	C	T	0.460239	0.00593706	0.00806876	0.461847	0.503305	0.0784671	1.42E-10	0.0117961	0.0161367	0.4647706	0.3103964	13	0.85740342
ENSG00000014164	8	ZC3H3	144519825	rs896933	8	144615201	C	T	0.582505	0.00367501	0.00845493	0.66381	-0.311459	0.0474191	5.09E-11	-0.0117993	0.0272056	0.6644989	0.6057814	7	0.92466627
ENSG00000104518	8	GSDMD	144635377	rs80346174	8	144640506	C	G	0.191849	-0.0122576	0.00956143	0.199848	-0.354171	0.052654	1.74E-11	0.0346093	0.0274826	0.2079163	0.8653836	19	0.70786449
ENSG00000204839	8	MROH6	144648357	rs4874156	8	144661564	A	G	0.0944334	-0.0077018	0.0128614	0.54929	-1.01139	0.0936167	3.31E-27	0.00761502	0.0127361	0.5499007	0.9096622	20	0.88133611
ENSG00000255050	8	RP11-661A12.9	144655660	rs10112966	8	144683934	T	C	0.800199	-0.0007142	0.00977846	0.941776	1.04636	0.0858996	3.91E-34	-0.0006826	0.00934538	0.9417769	0.7868581	20	0.99338916
ENSG00000147813	8	NAPRT1	144656955	rs10093709	8	144684215	G	A	0.803181	-0.0006868	0.00978006	0.944013	1.23311	0.0803479	3.70E-53	-0.000557	0.0079313	0.9440137	0.6093119	20	0.99338916
ENSG00000179886	8	TIGD5	144680074	rs28606985	8	144665680	A	C	0.298211	-0.002559	0.00849735	0.763298	0.297196	0.0515696	8.26E-09	-0.0086105	0.0286307	0.7636101	0.6393845	10	0.95514229
ENSG00000183309	8	ZNF623	144718183	rs7836923	8	144720873	T	C	0.227634	-0.0011134	0.00912057	0.902837	0.622241	0.0669565	1.50E-20	-0.0017894	0.0146589	0.9028448	0.9000516	20	0.98662577
ENSG00000181097	8	RP11-429J17.2	144778324	rs1141722	8	144780284	T	A	0.832008	0.00400449	0.00985641	0.684536	0.711545	0.111249	1.60E-10	0.00562788	0.01388	0.6851353	0.993943	7	0.92968157
ENSG00000180921	8	FAM83H	144806103	rs12156265	8	144848756	A	G	0.559642	8.66E-05	0.00807375	0.991441	-0.850263	0.0747331	5.42E-30	-0.0001019	0.0094956	0.991441	0.6380032	20	0.99897143
ENSG00000203499	8	FAM83H-AS1	144816310	rs12156265	8	144848756	A	G	0.559642	8.66E-05	0.00807375	0.991441	-0.812243	0.0805862	6.83E-24	-0.0001066	0.00994007	0.991441	0.6712786	20	0.99897143
ENSG00000254973	8	RP11-429J17.7	144840323	rs6558390	8	144852565	T	G	0.195825	0.0003489	0.00927897	0.970005	0.663173	0.0790959	5.10E-17	0.00052611	0.0139919	0.9700057	0.6034507	20	0.99667023
ENSG00000178209	8	PLEC	144989321	rs7155	8	144989462	G	A	0.43837	0.00919259	0.00819166	0.261782	-0.566607	0.0510604	1.30E-28	-0.0162239	0.0145311	0.2642106	0.7805274	20	0.74844633
ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	1.55423	0.112805	3.46E-43	-0.0065472	0.00956741	0.4937734	0.6491127	13	0.86337555
ENSG00000071894	8	CPSF1	145618444	rs2977834	8	145623098	T	C	0.632207	-0.0031514	0.00828429	0.703641	1.08474	0.059349	1.25E-74	-0.0029053	0.00763877	0.703701	0.3163504	19	0.93781922
ENSG00000147804	8	SLC39A4	145635126	rs7842602	8	145651888	A	G	0.525845	-0.0117794	0.00807944	0.144854	0.535638	0.0846831	2.53E-10	-0.0219913	0.0154793	0.1554053	0.7216228	11	0.65547541
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	1.29999	0.113747	3.00E-30	0.0095733	0.0134816	0.4776416	0.01834801	13	0.85740342
ENSG00000160949	8	TONSL	145654165	rs760477	8	145668443	A	G	0.468191	0.0124523	0.00811651	0.12498	-0.391146	0.0535516	2.79E-13	-0.0318354	0.0212034	0.1332443	0.911882	12	0.63721248
ENSG00000232600	8	AC084125.4	145660602	rs1011211	8	145663689	C	A	0.533797	-0.0128837	0.00807255	0.110491	-0.506568	0.0919469	3.60E-08	0.0254333	0.016591	0.1252851	0.8842109	6	0.63282784
ENSG00000187954	8	CYHR1	145674965	rs1871541	8	145681713	T	G	0.515905	-0.0199098	0.00809327	0.0138922	-0.204789	0.034056	1.82E-09	0.097221	0.0426993	0.02279346	0.3406958	4	0.38159045
ENSG00000167702	8	KIFC2	145691426	rs72697630	8	145678363	T	C	0.0765408	-0.0238873	0.014379	0.0966607	-0.628975	0.0781629	8.49E-16	0.0379781	0.0233431	0.1037468	0.5406603	20	0.60336467
ENSG00000255182	8	CTD-2517M22.14	145721001	rs12542925	8	145892022	A	G	0.0964215	0.00565254	0.0125761	0.653094	0.883995	0.0951106	1.48E-20	0.00639431	0.0142431	0.6534733	0.01875636	20	0.92291695
ENSG00000167701	8	GPT	145728356	rs12542925	8	145892022	A	G	0.0964215	0.00565254	0.0125761	0.653094	0.52301	0.0932995	2.07E-08	0.0108077	0.0241228	0.6541323	0.1423787	9	0.92291695
ENSG00000160957	8	RECQL4	145736667	rs13277542	8	145747920	G	T	0.478131	0.0249122	0.00818903	0.00234904	0.374334	0.0535257	2.68E-12	0.0665507	0.0238564	0.00527662	0.8090755	14	0.26570111
ENSG00000198169	8	ZNF251	145946298	rs2958480	8	145983442	G	C	0.446322	0.00525454	0.0080726	0.515104	-0.711783	0.0630947	1.63E-29	-0.0073822	0.0113602	0.5158022	0.2277903	20	0.87139564
ENSG00000196378	8	ZNF34	145998499	rs2958516	8	146018726	T	G	0.559642	-0.004751	0.0081114	0.558061	0.482266	0.0579291	8.42E-17	-0.0098515	0.0168609	0.5590323	0.7925882	16	0.88271976
ENSG00000161016	8	RPL8	146015150	rs2954658	8	146017782	T	C	0.542744	-0.0054909	0.00807492	0.49651	-0.527408	0.0440666	5.20E-33	0.010411	0.0153353	0.4972039	0.6208889	20	0.86509196
ENSG00000197363	8	ZNF517	146024261	rs2953858	8	146001737	C	T	0.656064	-0.0036065	0.00846823	0.670189	-0.393993	0.0529789	1.03E-13	0.00915379	0.0215286	0.6706961	0.1448347	15	0.92466627
ENSG00000170619	8	COMMD5	146066427	rs1735405	8	146070554	T	C	0.271372	0.00488127	0.00874298	0.576635	0.463145	0.0697244	3.08E-11	0.0105394	0.018944	0.5779746	0.4867931	10	0.89169006
ENSG00000196922	8	ZNF252P	146198975	rs6981609	8	146222424	T	C	0.0974155	-0.0059316	0.0120684	0.623072	0.805015	0.0769074	1.22E-25	-0.0073683	0.015008	0.6234553	0.62419	16	0.91123171
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407064	9	47303	G	A	0.45825	-0.0026519	0.0084702	0.754213	-0.773502	0.0843677	4.81E-20	0.00342847	0.0109568	0.7543513	0.7710056	13	0.95258055
ENSG00000170122	9	FOXD4	116237	rs7468047	9	109860	G	C	0.459245	0.00361431	0.00830371	0.66337	-0.508067	0.0788686	1.18E-10	-0.0071139	0.016381	0.6640893	0.6665714	6	0.92466627
ENSG00000172785	9	CBWD1	121041	rs573246	9	204014	G	A	0.432406	-0.0011171	0.0081247	0.890642	0.577202	0.0817416	1.65E-12	-0.0019353	0.0140787	0.8906626	0.08186663	20	0.98547338
ENSG00000107099	9	DOCK8	214854	rs12156499	9	370199	G	A	0.144135	0.0118156	0.0126921	0.351885	0.52607	0.0933369	1.74E-08	0.0224601	0.0244531	0.3583589	0.5647304	16	0.81746804
ENSG00000236404	9	RP11-125B21.2	2422702	rs2183734	9	2493058	T	C	0.812127	0.0149171	0.0107259	0.164298	-0.654406	0.102612	1.80E-10	-0.0227949	0.0167755	0.1742035	0.2599827	17	0.67151653
ENSG00000227835	9	CARM1P1	2907073	rs12340000	9	3176753	A	G	0.39165	-7.58E-05	0.00859646	0.992966	0.493351	0.079587	5.69E-10	-0.0001536	0.0174246	0.9929658	0.9536108	18	0.99906546
ENSG00000232104	9	RP11-509J21.1	3526723	rs12553270	9	3393348	C	T	0.0725646	0.0266586	0.0156728	0.0889529	0.878712	0.160621	4.48E-08	0.0303383	0.0186783	0.1043226	0.110752	6	0.60498953
ENSG00000106686	9	SPATA6L	4553386	rs6476893	9	4671409	A	C	0.314115	0.00909955	0.00875126	0.298433	0.565594	0.0774699	2.86E-13	0.0160885	0.0156288	0.3032866	0.0153663	17	0.77894167
ENSG00000147853	9	AK3	4711155	rs3818669	9	4718165	G	C	0.232604	-0.0128403	0.00986608	0.193102	-0.374648	0.0562437	2.72E-11	0.034273	0.0268322	0.2014936	0.9897545	16	0.70136928
ENSG00000107020	9	PLGRKT	5357973	rs4742085	9	5350548	T	C	0.402584	-0.0032522	0.00860215	0.705383	-0.397739	0.0671559	3.17E-09	0.00817659	0.0216716	0.7059547	0.07499526	6	0.93847294
ENSG00000120217	9	CD274	5450503	rs822342	9	5453973	C	T	0.715706	-0.0059366	0.00904253	0.511493	0.879503	0.100023	1.46E-18	-0.0067499	0.01031	0.5126654	0.1040888	12	0.87006491
ENSG00000197646	9	PDCD1LG2	5510545	rs10975151	9	5502186	A	T	0.310139	-0.008916	0.00908553	0.326425	0.553908	0.0912929	1.30E-09	-0.0160965	0.0166158	0.3326699	0.5908937	11	0.80085433
ENSG00000107036	9	KIAA1432	5629025	rs34232374	9	5636080	A	G	0.0795229	-0.0063735	0.0282211	0.821326	-0.831774	0.0949295	1.92E-18	0.00766249	0.0339401	0.821384	0.3803655	6	0.96842597
ENSG00000137033	9	IL33	6215805	rs2000199	9	6268893	A	G	0.929423	-0.0108447	0.0164219	0.509011	-0.46598	0.0661245	1.83E-12	0.0232729	0.035396	0.5108597	0.2902508	20	0.86972749
ENSG00000178445	9	GLDC	6532464	rs57463825	9	6904643	G	T	0.184891	-0.016237	0.0105245	0.122882	0.579213	0.0949099	1.04E-09	-0.0280329	0.018742	0.1347248	0.4340108	4	0.63721248
ENSG00000107077	9	KDM4C	6720863	rs57463825	9	6904643	G	T	0.184891	-0.016237	0.0105245	0.122882	0.491395	0.0644881	2.54E-14	-0.0330427	0.0218522	0.1305084	0.7247856	7	0.63721248
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	1.20419	0.113037	1.69E-26	-0.0004811	0.00917516	0.9581791	0.3486108	20	0.99596391
ENSG00000272871	9	RP11-408A13.4	14588795	rs13290060	9	14612732	C	A	0.402584	0.014129	0.00811972	0.0818446	0.523482	0.0554254	3.56E-21	0.0269904	0.015772	0.08702876	0.4067567	20	0.5718196
ENSG00000229029	9	RP11-408A13.1	14593575	rs1134457	9	14605628	A	C	0.403579	0.0142819	0.00812743	0.0788751	0.40623	0.0720696	1.73E-08	0.0351572	0.0209567	0.09342279	0.4694938	18	0.58914688
ENSG00000175893	9	ZDHHC21	14611069	rs62539798	9	14687361	A	T	0.332008	-0.0146525	0.00874219	0.093726	-0.25117	0.0432557	6.37E-09	0.058337	0.0362268	0.1073268	0.8429594	10	0.60962213
ENSG00000147869	9	CER1	14719722	rs10810226	9	14724502	C	T	0.249503	0.00350526	0.00902946	0.697866	0.984088	0.101462	3.04E-22	0.00356194	0.00918281	0.6980959	0.09605766	18	0.93660278
ENSG00000214110	9	LDHAP4	14921335	rs10961806	9	14948696	A	G	0.508946	-0.0068922	0.00809142	0.394328	-0.520764	0.0948034	3.95E-08	0.0132348	0.0157233	0.399937	0.318431	10	0.82963504
ENSG00000215237	9	RP11-54D18.2	14993310	rs10810317	9	15014021	G	A	0.5	-0.0053864	0.00807778	0.504891	0.955412	0.0733758	9.32E-39	-0.0056378	0.00846584	0.5054491	0.1751329	20	0.86813251
ENSG00000164989	9	CCDC171	15552895	rs10733305	9	15866759	A	G	0.467197	0.0201876	0.00806093	0.0122668	0.720651	0.0640073	2.09E-29	0.028013	0.011459	0.01450012	0.2420935	20	0.34725322
ENSG00000178031	9	ADAMTSL1	18473892	rs10963416	9	18051534	G	C	0.39165	-0.0098108	0.00812383	0.227182	-0.41722	0.05158	6.03E-16	0.0235146	0.0196871	0.2323167	0.1052275	20	0.7275513
ENSG00000147874	9	HAUS6	19053141	rs4977495	9	19096832	T	A	0.10338	-0.0065485	0.0124117	0.597774	0.455212	0.0750192	1.30E-09	-0.0143856	0.0273686	0.5991507	0.8630123	10	0.89978219
ENSG00000272842	9	RP11-513M16.7	19371384	rs35548281	9	19356211	A	G	0.0964215	-0.0012745	0.0172747	0.941188	0.751086	0.116684	1.22E-10	-0.0016969	0.0230011	0.9411915	0.05075933	16	0.99338916
ENSG00000273226	9	RP11-513M16.8	19375449	rs67906804	9	19376258	C	G	0.0944334	-0.0011094	0.0172729	0.948788	0.660844	0.0921681	7.50E-13	-0.0016788	0.0261387	0.94879	0.09569969	17	0.99338916
ENSG00000137154	9	RPS6	19375713	rs41270113	9	19380239	T	A	0.0914513	0.0184263	0.0145104	0.204132	0.524395	0.0912416	9.07E-09	0.0351382	0.0283381	0.2149893	0.07618595	5	0.71629945
ENSG00000261402	9	RP11-378I6.1	19926092	rs2051134	9	19889326	C	A	0.619284	-0.0049292	0.00817859	0.546711	-0.684255	0.084663	6.37E-16	0.00720375	0.0119857	0.5478222	0.8268859	14	0.88133611
ENSG00000226393	9	IFNA20P	21321299	rs7853081	9	21311687	C	T	0.190855	-0.0056568	0.0100085	0.571942	-0.677221	0.101038	2.05E-11	0.00835292	0.0148312	0.5733002	0.8215392	17	0.89066314
ENSG00000198642	9	KLHL9	21329670	rs596180	9	21370864	C	T	0.152087	-0.0068496	0.0104195	0.510934	0.27577	0.049905	3.28E-08	-0.0248382	0.0380497	0.5138964	0.8403501	8	0.8701887
ENSG00000238271	9	IFNWP19	21455483	rs76566843	9	21416058	A	T	0.0149105	0.0211806	0.0212321	0.318485	1.79332	0.299874	2.23E-09	0.0118108	0.0120031	0.3251262	0.726134	5	0.79550306

ENSG00000171889	9	MIR31HG	21455641	rs76566843	9	21416058	A	T	0.0149105	0.0211806	0.0212321	0.318485	1.6899	0.274296	7.23E-10	0.0125336	0.0127278	0.3247475	0.9913718	3	0.79507147
ENSG00000184995	9	IFNE	21480841	rs76566843	9	21416058	A	T	0.0149105	0.0211806	0.0212321	0.318485	1.61319	0.258595	4.42E-10	0.0131296	0.0133288	0.3245951	0.99399	3	0.79507147
ENSG00000096872	9	IFT74	26947037	rs10967609	9	26933552	T	C	0.0467197	0.0180628	0.013485	0.180417	1.54725	0.227194	9.74E-12	0.0116741	0.00888244	0.1887476	0.991423	12	0.68926194
ENSG00000184434	9	LRRC19	26993134	rs10812507	9	26991407	G	A	0.255467	-0.0012149	0.00941012	0.897277	0.63734	0.113201	1.80E-08	-0.0019061	0.0147686	0.8973042	0.1350939	9	0.98597578
ENSG00000120156	9	TEK	27109139	rs16911092	9	27142444	G	A	0.102386	0.00804782	0.0146195	0.581985	1.28455	0.143198	2.95E-19	0.00626509	0.0114024	0.5826955	0.4813454	7	0.89290364
ENSG00000120162	9	MOB3B	27325207	rs17835843	9	27542409	C	A	0.055666	0.0114814	0.0179098	0.521478	1.72863	0.126335	1.28E-42	0.00664191	0.0103721	0.521935	0.139315	16	0.87239215
ENSG00000147894	9	C9orf72	27546544	rs774358	9	27559997	A	T	0.718688	-0.0039388	0.00900197	0.661718	0.733409	0.0688054	1.58E-26	-0.0053705	0.0122845	0.6619845	0.00406406	20	0.92466627
ENSG00000260412	9	RP11-438B23.2	27937615	rs1029105	9	28942783	C	G	0.161034	0.0168629	0.0116978	0.149431	1.3092	0.133348	9.43E-23	0.0128803	0.00903087	0.1537954	0.3430935	12	0.65259479
ENSG00000174482	9	LINGO2	27948076	rs10813006	9	29145265	C	G	0.171968	0.00263755	0.0111888	0.813642	1.46113	0.118643	7.49E-35	0.00180514	0.00765904	0.8136747	0.05661392	20	0.96637758
ENSG00000122729	9	ACO1	32384618	rs7022554	9	32436014	G	A	0.564612	-0.0087071	0.00809655	0.28219	-0.766602	0.0746795	1.01E-24	0.0113581	0.0106194	0.2848178	0.9166028	20	0.76860281
ENSG00000241043	9	GVQW1	32566787	rs17218354	9	32553171	G	A	0.457256	0.00054406	0.00828244	0.947626	-0.623342	0.0843174	1.44E-13	-0.0008728	0.0132877	0.9476278	0.330892	14	0.99338916
ENSG00000137074	9	APTX	32972604	rs7036559	9	33064927	G	C	0.413519	0.00043529	0.00840539	0.958699	-0.532627	0.0745984	9.34E-13	-0.0008172	0.0157814	0.9586999	0.2344925	20	0.99596391
ENSG00000165269	9	AQP7	33384765	rs62544583	9	33397790	T	G	0.281312	-0.0090873	0.00921672	0.324151	-0.463839	0.0761579	1.13E-09	0.0195916	0.0201292	0.3304085	0.7493911	8	0.79922709
ENSG00000223678	9	RP11-311H10.4	33402855	rs13295977	9	33394044	T	C	0.384692	0.0029222	0.00826842	0.723776	0.595335	0.0910915	6.34E-11	0.0049085	0.013909	0.7241624	0.7784821	5	0.94070655
ENSG00000165272	9	AQP3	33441152	rs10813981	9	33444758	G	A	0.638171	-0.0025435	0.00899536	0.777367	-0.754387	0.0933189	6.27E-16	0.00337156	0.0119314	0.7774991	0.2626833	10	0.9582819
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.682779	0.0527028	2.19E-38	-0.0008222	0.0135026	0.9514464	0.8748246	20	0.99362778
ENSG00000226562	9	RP11-255A11.21	33580693	rs7866888	9	33524775	A	C	0.425447	0.00190549	0.00854565	0.823553	0.890962	0.0828517	5.69E-27	0.00213869	0.00959355	0.8235901	0.4149304	16	0.96886182
ENSG00000204982	9	PRSS3P4	33613846	rs7866888	9	33524775	A	C	0.425447	0.00190549	0.00854565	0.823553	0.598983	0.0882847	1.16E-11	0.00318121	0.0142746	0.8236465	0.5294399	7	0.96886182
ENSG00000205274	9	TRBV20OR9-2	33617760	rs2992821	9	33487198	C	T	0.710736	0.00792929	0.0102312	0.438332	-0.470255	0.0814442	7.74E-09	-0.0168617	0.0219518	0.4424146	0.2842893	3	0.85417294
ENSG00000231165	9	TRBV26OR9-2	33695765	rs573176274	9	33677185	C	G	0.0675944	0.0300962	0.015529	0.0526151	1.4217	0.229224	5.57E-10	0.0211692	0.0114437	0.06433444	0.9554451	4	0.50845953
ENSG00000260947	9	RP11-384P7.7	33697457	rs573176274	9	33677185	C	G	0.0675944	0.0300962	0.015529	0.0526151	1.83556	0.177206	3.84E-25	0.0163962	0.0086069	0.0567792	0.7537739	13	0.49855845
ENSG00000164978	9	NUDT2	34329504	rs10971957	9	34151463	T	C	0.590457	-0.0061091	0.0082792	0.460581	0.761413	0.0734824	3.70E-25	-0.0080234	0.010901	0.4617147	0.3892068	20	0.85658817
ENSG00000164972	9	C9orf24	34379017	rs11790577	9	34397545	G	A	0.523857	0.0110467	0.00809368	0.172297	0.467677	0.072664	1.23E-10	0.0236204	0.017691	0.1818226	0.7650415	9	0.67831927
ENSG00000237159	9	CNTFR-AS1	34568013	rs3802428	9	34567200	C	A	0.967197	0.0011609	0.0189609	0.951179	1.20223	0.170143	1.59E-12	0.00096562	0.015772	0.9511811	0.2732766	14	0.99362778
ENSG00000137070	9	IL11RA	34650699	rs2070074	9	34649442	G	A	0.102386	-0.0116565	0.0127672	0.361243	0.835097	0.0966664	5.67E-18	-0.0139583	0.0153734	0.3639061	0.3316654	10	0.81816933
ENSG00000230074	9	RP11-195F19.9	34665662	rs2026118	9	34666093	A	G	0.131213	0.00494305	0.0173812	0.776111	-0.861953	0.107319	9.61E-16	-0.0057347	0.0201775	0.7762475	0.1747123	20	0.95802127
ENSG00000221829	9	FANCG	35073832	rs587118	9	35074917	C	T	0.480119	0.0161984	0.0080528	0.04427	-0.294518	0.0418315	1.91E-12	-0.0549997	0.0284364	0.05309673	0.657953	20	0.49408776
ENSG00000107140	9	TESK1	35605367	rs10814257	9	35601101	A	G	0.205765	-0.0202428	0.0102054	0.0473064	0.462601	0.0601601	1.48E-14	-0.0437587	0.0227831	0.05477378	0.8574629	8	0.49855845
ENSG00000137101	9	CD72	35609530	rs10814260	9	35618523	A	G	0.213718	-0.022446	0.0100285	0.0252069	0.733857	0.0846176	4.22E-18	-0.0305863	0.0141132	0.03021875	0.9985425	17	0.41039362
ENSG00000137135	9	ARHGEF39	35658872	rs10972553	9	35659902	T	C	0.252485	-0.00952	0.00900334	0.290335	-0.620281	0.0751402	1.52E-16	0.0153479	0.0146335	0.2942627	0.2887099	11	0.77761764
ENSG00000107159	9	CA9	35673853	rs67765684	9	35673635	T	G	0.0934394	0.0197471	0.016746	0.238313	0.868249	0.109959	2.88E-15	0.0227436	0.019501	0.2435016	0.4370175	12	0.73716233
ENSG00000198467	9	TPM2	35681989	rs3793540	9	35689951	T	A	0.275348	0.0154087	0.00937767	0.100357	-0.95828	0.0688364	4.71E-44	-0.0160795	0.00985387	0.1027217	0.9625199	20	0.60281733
ENSG00000137103	9	TMEM8B	35814448	rs10738948	9	35833448	C	T	0.611332	-0.0127613	0.00813541	0.116738	-0.365782	0.0435349	4.39E-17	0.0348877	0.0226254	0.123081	0.0120195	20	0.6305293
ENSG00000122694	9	GLIPR2	36136732	rs7874594	9	36149031	G	T	0.291252	-0.0070385	0.00902161	0.435281	-0.652946	0.0818288	1.47E-15	0.0107797	0.0138827	0.4374639	0.5874825	15	0.85243739
ENSG00000137106	9	GRHPR	37422663	rs4878690	9	37422656	T	C	0.340954	-0.0062291	0.00829899	0.452902	0.519733	0.0525628	4.70E-23	-0.0119852	0.0160137	0.4541996	0.1058717	5	0.85417294
ENSG00000122696	9	SLC25A51	37879400	rs17515459	9	37858396	G	A	0.162028	0.00074534	0.0101818	0.941645	0.959394	0.108605	1.01E-18	0.00077688	0.0106131	0.9416468	0.0352385	15	0.99338916
ENSG00000137142	9	IGFBPL1	38408991	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	0.610391	0.0885947	5.59E-12	0.00272211	0.0164118	0.8682647	0.6468823	3	0.97828063
ENSG00000273036	9	RP11-392E22.12	38540564	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	1.09935	0.0894116	9.59E-35	0.00151139	0.00911049	0.8682388	0.7931933	4	0.97828063
ENSG00000180071	9	ANKRD18A	38540566	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	1.11259	0.0971925	2.43E-30	0.00149341	0.0090022	0.8682406	0.7877071	4	0.97828063
ENSG00000225345	9	SNX18P3	38566257	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	0.770907	0.0969567	1.85E-15	0.00215532	0.0129936	0.8682553	0.7897038	4	0.97828063
ENSG00000204860	9	FAM201A	38620471	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	1.22316	0.0958816	2.85E-37	0.00135841	0.00818826	0.8682379	0.7906679	4	0.97828063
ENSG00000106714	9	CNTNAP3	39072764	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	1.35108	0.0866652	8.56E-55	0.00122979	0.00741279	0.8682343	0.7922134	4	0.97828063
ENSG00000237846	9	RP11-216M21.1	42250840	rs62542397	9	42204111	A	G	0.687873	-0.0024169	0.0103234	0.814897	-0.904734	0.0798295	8.97E-30	0.00267134	0.0114129	0.8149354	0.7005633	3	0.96637758
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.80962	0.0856886	3.44E-21	0.0181821	0.0124335	0.1436457	0.8686555	9	0.64189476
ENSG00000224185	9	SNX18P9	69451764	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.550617	0.0830708	3.40E-11	0.0267347	0.0185066	0.1485695	0.8632398	4	0.64805195
ENSG00000229156	9	RP11-250H24.2	69475237	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.659117	0.0847353	7.34E-15	0.0223338	0.0153593	0.1459208	0.9405421	9	0.64444947
ENSG00000235310	9	RP11-250H24.4	69501018	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.679578	0.089645	3.44E-14	0.0216614	0.0149106	0.1462929	0.7670859	7	0.64463506
ENSG00000154330	9	PGM5	70943224	rs453521	9	71025107	A	T	0.587475	0.00549324	0.00817965	0.501855	0.560253	0.0819852	8.28E-12	0.00980493	0.0146703	0.5039075	0.4616109	7	0.86796708
ENSG00000224958	9	PGM5-AS1	70970105	rs453521	9	71025107	A	T	0.587475	0.00549324	0.00817965	0.501855	0.485786	0.0830043	4.84E-09	0.0113079	0.0169485	0.5046471	0.9512851	4	0.86796708
ENSG00000229019	9	RP11-88I18.3	71041759	rs7860270	9	71050219	G	A	0.0675944	-0.0089418	0.0157494	0.5702	-0.800708	0.140249	1.14E-08	0.0111674	0.0197664	0.5720945	0.542209	3	0.89010135
ENSG00000181778	9	TMEM252	71151496	rs453521	9	71025107	A	T	0.587475	0.00549324	0.00817965	0.501855	0.536379	0.0846486	2.35E-10	0.0102413	0.0153352	0.5042398	0.5429562	8	0.86796708
ENSG00000188647	9	PTAR1	72324438	rs12553396	9	72378910	A	G	0.34493	-0.0087808	0.00815515	0.281609	-0.291023	0.0439621	3.60E-11	0.030172	0.0283906	0.2878968	0.5134126	7	0.77196158
ENSG00000156017	9	C9orf41	77595936	rs10869491	9	77679038	A	G	0.436382	0.00787701	0.00842809	0.349987	0.661229	0.0542362	3.44E-34	0.0119127	0.0127835	0.3513987	0.1798688	20	0.81376292
ENSG00000106733	9	NMRK1	77675489	rs3752955	9	77684690	C	A	0.526839	0.00382207	0.0082009	0.641176	-1.04207	0.0737356	2.39E-45	-0.0036678	0.00787409	0.6413574	0.4068247	20	0.91912729
ENSG00000106772	9	PRUNE2	79226292	rs7866240	9	79340901	A	G	0.450298	0.003787	0.00850578	0.656156	0.385649	0.0436788	1.05E-18	0.00981981	0.0220838	0.6565643	0.6518246	20	0.92318646
ENSG00000225937	9	PCA3	79379352	rs566584	9	79319195	A	C	0.771372	0.0139153	0.0102653	0.175239	0.858663	0.100908	1.75E-17	0.0162058	0.0121057	0.1806725	0.9367166	20	0.67831927
ENSG00000156052	9	GNAQ	80331003	rs10521480	9	80471440	A	G	0.699801	0.00304283	0.00857346	0.722655	0.443502	0.0522935	2.23E-17	0.00686092	0.0193482	0.7228875	0.4985455	20	0.94070655
ENSG00000254473	9	RP11-522I20.3	86322509	rs3814507	9	86323309	T	C	0.153082	-0.0198815	0.0125198	0.112285	0.578714	0.103495	2.25E-08	-0.0343546	0.0224893	0.1266127	0.6941931	4	0.63619479
ENSG00000165113	9	GKAP1	86354336	rs295276	9	86433794	C	G	0.425447	0.0140995	0.00806528	0.0804341	-0.328112	0.054286	1.50E-09	-0.0429716	0.0255884	0.09308593	0.9890031	15	0.58914688
ENSG00000178966	9	RMI1	86595626	rs10868081	9	86636430	G	A	0.479125	-0.0058269	0.00806997	0.470262	0.38182	0.051291	9.75E-14	-0.0152609	0.0212347	0.4723392	0.5687228	11	0.85740342
ENSG00000226237	9	RP11-276H19.1	89563614	rs1927078	9	89612574	C	T	0.728628	0.0030829	0.00911435	0.735177	0.804267	0.0816837	7.12E-23	0.00383318	0.0113392	0.7353275	0.6940392	20	0.94491286
ENSG00000231007	9	CDC20P1	89626567	rs7043328	9	89607343	C	A	0.725646	0.00374823	0.00911241	0.680829	-0.883357	0.0767208	1.12E-30	-0.0042432	0.0103222	0.681021	0.8840591	20	0.9275455
ENSG00000123975	9	CKS2	91926113	rs10119002	9	91963682	A	G	0.915507	-0.007827	0.0178097	0.660315	1.07329	0.108791	5.87E-23	-0.0072925	0.01661	0.6606303	0.182858	12	0.92466627
ENSG00000187742	9	SECISBP2	91933421	rs45489796	9	91980708	G	A	0.0238569	0.0275608	0.0255869	0.281415	-1.61113	0.188456	1.24E-17	-0.0171065	0.0160069	0.2852068	0.4369664	3	0.76883822
ENSG00000231107	9	RP11-389K14.3	93063184	rs2114345	9	93195886	C	T	0.826044	0.00876071	0.010012	0.38156	0.829172	0.0986769	4.36E-17	0.0105656	0.01214	0.3841283	0.6137727	14	0.8215489
ENSG00000229694	9	RP11-305L7.6	93881344	rs4743819	9	93922364	A	G	0.109344	-0.0169674	0.014027	0.226424	-1.07261	0.146853	2.79E-13	0.0158188	0.0132556	0.2327246	0.9096571	10	0.7275513
ENSG00000235641	9	LINC00484	93921855	rs4743819	9	93922364	A	G	0.109344	-0.0169674	0.014027	0.226424	-0.828626	0.129743	1.70E-10	0.0204765	0.017229	0.2346383	0.9767968	6	0.7275513
ENSG00000234537	9	RP11-100G15.7	94894680	rs3901406	9	94896482	A	C	0.32505	-0.0072265	0.00839577	0.389389	0.65123	0.0568117	2.03E-30	-0.0110966	0.0129285	0.3907219	0.9773571	20	0.82413137
ENSG00000188312	9	CENPP	95087766	rs10992314	9	95117419	T	C	0.175944	-0.0138549	0.0117778	0.239453	1.23547	0.0974519	7.86E-37	-0.0112143	0.009574	0.2414679	0.6062798	20	0.73594668
ENSG00000127080	9	IPPK	95375466	rs9299401	9	94940133	T	C	0.332008	-0.0183745	0.00892627	0.0395449	0.378415	0.056649	2.39E-11	-0.0485565	0.0246832	0.04916123	0.9949265	17	0.48387846
ENSG00000187984	9	ANKRD19P	95571670	rs72618187	9	95570578	C	T	0.245527	-0.0095889	0.0098232	0.328993	0.630448	0.0957371	4.54E-11	-0.0152096	0.0157516	0.3342472	0.9554261	8	0.80220905
ENSG00000127081	9	ZNF484	95607874	rs72618187	9	95570578	C	T	0.245527	-0.0095889	0.0098232	0.328993	0.563927	0.0853043	3.82E-11	-0.0170037	0.0176082	0.3342071	0.8248982	20	0.80220905
ENSG00000127084	9	FGD3	95709733	rs13287304	9	95798871	A	G	0.158052	-0.0161542	0.010532	0.125074	0.6558	0.116799	1.97E-08	-0.0246328	0.0166482	0.1389785	0.1668008	4	0.63721248
ENSG00000165233	9	C9orf89	95858500	rs4743882	9	95865383	T	G	0.771372	0.00892242	0.00987039	0.366018	0.655135	0.0724059	1.45E-19	0.0136192	0.0151412	0.3683968	0.521821	6	0.81816933
ENSG00000131669	9	NINJ1	95883771	rs10761194	9	95899884	A	G	0.488072	-0.0052748	0.00808527	0.514144	0.539858	0.0596054	1.34E-19	-0.0097707	0.0150155	0.5152327	0.9871548	20	0.87139564
ENSG00000165238	9	WNK2	95947198	rs12000524	9	95952938	A	G	0.32008	0.00774631	0.00854084	0.364421	0.23704	0.0408859	6.73E-09	0.0326793	0.0364695	0.3702131	0.1815781	5	0.81816933
ENSG00000237385	9	RP11-165J3.5	96192624	rs12555047	9	96186490	G	A	0.133201	0.0201453	0.0104576	0.054058	0.989272	0.110601	3.74E-19	0.0203638	0.0108134	0.05967346	0.6071053	20	0.50428503
ENSG00000227603	9	RP11-165J3.6	96197614	rs7857183	9	96332044	G	A	0.128231	0.0160161	0.0117573	0.173125	0.978935	0.0978211	1.41E-23	0.0163607	0.0121211	0.1770871	0.4859088	20	0.67373288
ENSG00000175787	9	ZNF169	97021593	rs9409514	9	97065439	T	C	0.358847	-0.0092324	0.00845965	0.27512	0.376311	0.0523421	6.50E-13	-0.024534	0.022738	0.280594	0.1117708	20	0.76652901
ENSG00000158169	9	FANCC	97861336	rs4647554	9	97862701	G	A	0.446322	0.0139644	0.00807973	0.0839305	0.304132	0.0469127	9.00E-11	0.0459156	0.0274944	0.09491987	0.622426	10	0.58914688
ENSG00000175611	9	LINC00476	98521513	rs10988792	9	98719799	A	C	0.133201	-0.0051604	0.0103092	0.616676	0.745357	0.0885242	3.77E-17	-0.0069234	0.0138556	0.6172981	0.0514403	20	0.90908552
ENSG00000268926	9	DKFZP434H0512	98534605	rs609296	9	98735886	G	A	0.317097	0.0202345	0.00890419	0.0230584	0.600674	0.0998726	1.81E-09	0.0336863	0.0158465	0.03352079	0.9720021	19	0.42178047
ENSG00000182150	9	ERCC6L2	98637983	rs10989035	9	98806334	T	G	0.303181	0.0216102	0.00904917	0.0169364	0.317244	0.0547093	6.68E-09	0.0681185	0.0308485	0.02723309	0.9159567	13	0.40045953
ENSG00000224848	9	RP11-535M15.1	99449338	rs10816457	9	99477258	A	G	0.128231	0.0174919	0.0119303	0.142599	-1.16902	0.129409	1.66E-19	-0.0149629	0.0103389	0.1478307	0.03822017	11	0.64632659
ENSG00000233820	9	RP11-535M15.2	99488172	rs6477657	9	99486817	G	A	0.16004	0.0263403	0.00988568	0.00771045	-0.797369	0.0947137	3.81E-17	-0.033034	0.013004	0.01107586	0.1045779	13	0.31487106
ENSG00000196312	9	HIATL2	99660348	rs28470221	9	99789125	G	A	0.0328032	0.0391186	0.0152052	0.0100904	-1.07276	0.160211	2.14E-11	-0.0364654	0.0151841	0.01632593	0.3103422	12	0.34725322
ENSG00000228376	9	RP11-520B13.4	99837953	rs10817286	9	100001077	C	G	0.614314	0.00105826	0.00841749	0.899952	0.748714	0.077271	3.34E-22	0.00141344	0.0112435	0.8999607	0.2310608	20	0.98623954
ENSG00000228038	9	VN1R51P	99855976	rs10817286	9	100001077	C	G	0.614314	0.00105826	0.00841749	0.899952	0.777017	0.0753394	6.12E-25	0.00136195	0.0108339	0.8999597	0.1137634	20	0.98623954
ENSG00000159712	9	ANKRD18CP	99918852	rs10981278	9	99995270	G	C	0.61332	0.00101113	0.00841964	0.90441	0.808672	0.0829228	1.81E-22	0.00125036	0.0104125	0.9044176	0.06932073	17	0.98689075
ENSG00000203279	9	RP11-498P14.5	99962757	rs6478131	9	100140742	G	A	0.392644	0.0123997	0.00833916	0.137035	-1.08568	0.0805189	1.95E-41	-0.0114211	0.00772761	0.1394172	0.01115241	20	0.63721248
ENSG00000197816	9	CCDC180	100000765	rs11581	9	100139161	G	A	0.195825	0.0167239	0.00970179	0.0847442	-0.605774	0.0789559	1.69E-14	-0.0276075	0.0164148	0.09259453	0.05570895	11	0.58914688
ENSG00000136842	9	TMOD1	100263462	rs2805786	9	100356839	C	G	0.189861	-0.0069713	0.0099167	0.482063	-0.777194	0.0768043	4.54E-24	0.00896987	0.0127904	0.4831167	0.9878606	12	0.86066122
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.720597	0.0696187	4.16E-25	0.00123754	0.0112494	0.9124018	0.1990557	17	0.98753784
ENSG00000095383	9	TBC1D2	100961311	rs2900463	9	100977457	C	T	0.5666	0.0134016	0.00814344	0.0998275	0.789204	0.0589406	6.94E-41	0.0169812	0.0103962	0.1023845	0.08482021	20	0.60248939
ENSG00000136881	9	BAAT	104122699	rs11792975	9	104155550	C	T	0.0924453	-0.0121496	0.0165031	0.461609	-0.711311	0.127098	2.19E-08	0.0170806	0.0234008	0.4654434	0.4060893	3	0.85740342
ENSG00000136870	9	ZNF189	104161155	rs682	9	104187020	T	C	0.489066	0.00611216	0.00808132	0.449451	0.470395	0.0508757	2.33E-20	0.0129937	0.0172372	0.4509609	0.7276547	10	0.85417294
ENSG00000198785	9	GRIN3A	104331635	rs7863180	9	104482845	T	C	0.535785	-0.0103248	0.00807169	0.200848	-0.48198	0.0855683	1.77E-08	0.0214216	0.0171733	0.2122591	0.4148343	8	0.71235334
ENSG00000270332	9	RP11-82L2.1	106842305	rs10991043	9	106797388	C	T	0.354871	0.00095154	0.00864084	0.912313	-0.502613	0.080883	5.16E-10	-0.0018932	0.0171945	0.9123269	0.5097815	12	0.98753784
ENSG00000136824	9	SMC2	106856541	rs4743687	9	106856910	T	C	0.576541	0.00455775	0.00830491	0.583142	-0.888619	0.0561444	2.01E-56	-0.005129	0.00935148	0.5833677	0.8767318	20	0.89290364
ENSG00000136783	9	NIPSNAP3A	107509969	rs2487715	9	107532394	G	A	0.61332	0.00191124	0.0080618	0.812599	0.596743	0.0596148	1.38E-23	0.00320279	0.0135135	0.8126512	0.1743581	20	0.96594546
ENSG00000148143	9	ZNF462	109625378	rs7853813	9	109787178	T	C	0.082505	-0.0166481	0.0143495	0.245972	0.631428	0.111957	1.70E-08	-0.0263658	0.0232013	0.2557927	0.6229254	4	0.74586579
ENSG00000070061	9	IKBKAP	111629797	rs12343956	9	111774463	G	T	0.0864811	0.0043906	0.0127403	0.730379	-0.482588	0.0835446	7.63E-09	-0.009098	0.0264469	0.7308378	0.6391057	5	0.94296221
ENSG00000119326	9	CTNNAL1	111704851	rs10435834	9	111640631	T	C	0.379722	-0.0156715	0.0083184	0.0595717	-0.346316	0.0615187	1.81E-08	0.045252	0.0253291	0.07400785	0.06630376	4	0.53679651
ENSG00000106771	9	TMEM245	111777432	rs16913837	9	111872809	C	A	0.170974	0.0114703	0.0125678	0.361415	0.430705	0.0528141	3.49E-16	0.0266315	0.0293618	0.3644008	0.12897	19	0.81816933
ENSG00000260230	9	FRRS1L	111892573	rs10979721	9	111926213	T	A	0.289264	0.00651989	0.00921548	0.47926	-0.260617	0.0412604	2.68E-10	-0.0250171	0.0355814	0.4819956	0.9654727	16	0.86066122
ENSG00000188959	9	C9orf152	112952328	rs4135220	9	113007289	G	T	0.483101	-0.0083759	0.00804676	0.297919	-0.510278	0.0835611	1.02E-09	0.0164144	0.0159968	0.3048411	0.1312663	3	0.77894167
ENSG00000165124	9	SVEP1	113127531	rs10980387	9	113200697	T	C	0.182903	0.0106809	0.00935874	0.253755	0.583365	0.0854102	8.48E-12	0.0183091	0.0162651	0.2603056	0.231418	20	0.74586579
ENSG00000106853	9	PTGR1	114312002	rs59165439	9	114357952	T	C	0.235586	-0.0154837	0.00906671	0.0876819	-0.37342	0.0636561	4.46E-09	0.0414646	0.0252881	0.1010707	0.01958987	7	0.5994087
ENSG00000204173	9	LRRC37A5P	114353872	rs2065100	9	114393246	C	T	0.276342	0.024031	0.00842944	0.00436044	-0.743961	0.0963692	1.16E-14	-0.0323014	0.0120784	0.00748814	0.00082538	18	0.27755679
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.67296	0.0642163	1.07E-25	-0.0014562	0.0132192	0.9122846	0.08544645	20	0.98753784
ENSG00000259953	9	RP11-4O1.2	114794835	rs78617913	9	114937234	A	C	0.327038	0.004888	0.00817516	0.5499	-0.723586	0.0885555	3.06E-16	-0.0067552	0.0113283	0.5509652	0.6620801	12	0.88133611
ENSG00000106868	9	SUSD1	114803065	rs10817281	9	114948526	C	G	0.327038	0.00252701	0.00815987	0.756798	-0.616483	0.0802633	1.58E-14	-0.0040991	0.0132469	0.7569898	0.2896733	13	0.95324857
ENSG00000119314	9	PTBP3	114980715	rs10739336	9	114971644	G	A	0.77833	0.0104555	0.0107726	0.331768	-0.432409	0.0635715	1.03E-11	-0.0241797	0.0251653	0.3366366	0.744715	6	0.80463969
ENSG00000119457	9	SLC46A2	115641200	rs71503544	9	115613878	T	C	0.28827	-0.0028431	0.00913326	0.755583	-0.865183	0.0863844	1.30E-23	0.00328607	0.0105615	0.7556979	0.6626721	19	0.95258055
ENSG00000176386	9	CDC26	116018115	rs10981712	9	116046126	C	G	0.280318	-0.0043153	0.00886331	0.626347	-0.718231	0.0886737	5.51E-16	0.00600826	0.0123627	0.6269691	0.6619647	20	0.91371819
ENSG00000148225	9	WDR31	116075502	rs78005230	9	115971903	G	A	0.0755467	-0.0102431	0.0191824	0.593353	-0.62949	0.114219	3.56E-08	0.0162721	0.0306156	0.5950756	0.4855889	7	0.8982887
ENSG00000119431	9	HDHD3	116135699	rs560296237	9	116139271	C	A	0.026839	-0.0046701	0.0342143	0.891429	-2.17557	0.245937	9.07E-19	0.00214662	0.0157285	0.8914419	0.2897891	5	0.98547338
ENSG00000148218	9	ALAD	116148597	rs1805312	9	116152990	G	C	0.05666	0.0129348	0.014942	0.386672	1.27454	0.112726	1.22E-29	0.0101486	0.0117578	0.3880599	0.039584	5	0.82295689
ENSG00000157657	9	ZNF618	116638562	rs7029830	9	116681888	T	G	0.501988	-0.0028778	0.00804107	0.720427	-0.638852	0.0665217	7.72E-22	0.00450466	0.0125955	0.7206122	0.1020049	20	0.94000124
ENSG00000106927	9	AMBP	116822407	rs2418265	9	116865784	G	A	0.460239	0.00803874	0.00805414	0.318237	0.601068	0.0875242	6.54E-12	0.0133741	0.0135405	0.3232942	0.4662765	11	0.79421348
ENSG00000136883	9	KIF12	116848406	rs2418265	9	116865784	G	A	0.460239	0.00803874	0.00805414	0.318237	0.839987	0.0729838	1.19E-30	0.00957008	0.0096244	0.3200496	0.2230365	19	0.79066347
ENSG00000106948	9	AKNA	117096436	rs10739412	9	117183166	C	T	0.26839	0.0274189	0.00889016	0.00204113	-0.324688	0.0564032	8.58E-09	-0.0844469	0.0310628	0.00655618	0.8427926	18	0.26652974
ENSG00000095397	9	DFNB31	117164360	rs74597121	9	117218252	C	T	0.263419	-0.0230681	0.00887147	0.00931537	1.07066	0.106793	1.18E-23	-0.0215457	0.00856014	0.01183667	0.4824827	20	0.32568321
ENSG00000157693	9	C9orf91	117373486	rs62579731	9	117414194	T	C	0.173956	-0.0019726	0.0109609	0.857179	-0.497369	0.0849182	4.71E-09	0.00396605	0.0220482	0.8572459	0.5749843	6	0.97828063
ENSG00000148219	9	ASTN2	119187504	rs72760120	9	119866947	T	C	0.209742	0.0012373	0.00900469	0.89071	-0.842147	0.0643306	3.71E-39	-0.0014692	0.0106931	0.8907157	0.0813656	20	0.98547338
ENSG00000233569	9	RP11-500B12.1	120410884	rs2183150	9	120405181	C	G	0.82008	0.00286567	0.0125343	0.819159	-0.954443	0.107178	5.33E-19	-0.0030025	0.0131369	0.819218	0.4868348	17	0.96823008
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.18398	0.0638225	7.98E-77	-0.007458	0.0069049	0.2800981	0.5992896	20	0.76652901
ENSG00000056558	9	TRAF1	123664671	rs2900180	9	123706382	C	T	0.640159	0.012178	0.00811195	0.133294	0.715091	0.0683998	1.40E-25	0.01703	0.0114603	0.1372792	0.7118307	20	0.63721248
ENSG00000106804	9	C5	123714616	rs2159777	9	123783056	G	T	0.526839	0.00067831	0.00811726	0.933403	0.332637	0.0586876	1.45E-08	0.0020392	0.0244054	0.93341	0.2135105	3	0.99333365
ENSG00000261534	9	RP11-244O19.1	124577953	rs56091347	9	124788846	C	T	0.0427435	-0.0072386	0.0437572	0.868608	1.08721	0.128873	3.28E-17	-0.006658	0.040255	0.8686333	0.3482778	13	0.97828063
ENSG00000175764	9	TTLL11	124584207	rs10121679	9	124850365	A	G	0.0506958	0.0144258	0.0255587	0.57247	0.593021	0.0861381	5.80E-12	0.024326	0.0432437	0.5737542	0.3069809	7	0.89103356
ENSG00000136930	9	PSMB7	127115745	rs3780198	9	127175598	C	G	0.384692	-0.0004017	0.00820294	0.960944	-0.234261	0.0377624	5.52E-10	0.0017147	0.0350173	0.9609455	0.4475565	20	0.99596391
ENSG00000180264	9	GPR144	127213423	rs10818968	9	127211357	C	A	0.49006	-0.003543	0.00816906	0.664498	0.757485	0.0947069	1.26E-15	-0.0046773	0.0108003	0.6649606	0.9287311	6	0.92466627
ENSG00000136950	9	ARPC5L	127624409	rs10986471	9	127635713	G	A	0.582505	0.0101126	0.00913879	0.268487	-0.484667	0.049354	9.22E-23	-0.020865	0.0189751	0.2715069	0.2596575	20	0.75994796
ENSG00000136935	9	GOLGA1	127640646	rs12352989	9	127768928	A	G	0.400596	0.0130824	0.00815379	0.108613	-0.258703	0.0462494	2.22E-08	-0.0505692	0.0327889	0.123009	0.2749614	11	0.6305293
ENSG00000232630	9	PRPS1P2	127912932	rs500438	9	127970845	T	C	0.317097	-0.0159345	0.0104797	0.128381	0.502525	0.0764436	4.90E-11	-0.0317089	0.0214047	0.1384999	0.7036637	18	0.63721248
ENSG00000165219	9	GAPVD1	128024073	rs662637	9	128021166	T	C	0.481113	0.0200483	0.00805543	0.012818	0.343127	0.0502056	8.23E-12	0.0584282	0.0249847	0.01935812	0.1610438	18	0.35949739
ENSG00000136828	9	RALGPS1	129677053	rs1974291	9	129874095	A	G	0.475149	-0.0083692	0.00818377	0.30647	0.305009	0.0426647	8.74E-13	-0.0274392	0.0271044	0.31137	0.01470357	11	0.78285096
ENSG00000136859	9	ANGPTL2	129849611	rs4836559	9	129931593	T	A	0.960239	0.0182039	0.0264832	0.491847	-1.01579	0.178419	1.25E-08	-0.0179209	0.0262609	0.4949737	0.205175	4	0.86367134
ENSG00000136856	9	SLC2A8	130159421	rs11790967	9	130170561	A	G	0.248509	0.0043234	0.00832952	0.603729	-0.563462	0.060674	1.59E-20	-0.0076729	0.0148058	0.6042931	0.7590387	20	0.90259008
ENSG00000197958	9	RPL12	130209953	rs2247573	9	130210946	G	A	0.632207	0.00732804	0.00859497	0.393884	0.519699	0.0521579	2.19E-23	0.0141005	0.0165988	0.3956075	0.5351616	20	0.82770689
ENSG00000148356	9	LRSAM1	130213765	rs1139400	9	130210111	C	T	0.664016	0.00379576	0.00874237	0.664159	-0.408343	0.055628	2.13E-13	-0.0092955	0.0214468	0.664708	0.4428442	12	0.92466627
ENSG00000187024	9	PTRH1	130455257	rs1573178	9	130372487	C	T	0.569583	0.00753983	0.00842261	0.370687	-0.495791	0.0620175	1.30E-15	-0.0152077	0.0170944	0.3736651	0.1511275	20	0.82005224
ENSG00000160404	9	TOR2A	130493803	rs564754	9	130495633	G	C	0.633201	0.00681563	0.00888108	0.442824	0.338979	0.0482477	2.13E-12	0.0201063	0.0263553	0.4455261	0.1847583	12	0.85417294
ENSG00000225032	9	RP11-228B15.4	130578345	rs77975270	9	130594862	G	C	0.0129225	-0.0160126	0.0211678	0.449373	1.44998	0.249856	6.50E-09	-0.0110433	0.0147222	0.4531858	0.9992322	4	0.85417294
ENSG00000136908	9	DPM2	130697378	rs4836592	9	130694244	G	A	0.918489	-0.0062761	0.0158901	0.692866	-0.416447	0.068149	9.91E-10	0.0150706	0.038236	0.6934727	0.375296	6	0.93468508
ENSG00000273186	9	RP11-339B21.10	131193877	rs1009851	9	131193605	C	T	0.188867	-0.0005933	0.00970215	0.951237	0.709784	0.113283	3.71E-10	-0.0008359	0.0136698	0.9512396	0.5294597	9	0.99362778
ENSG00000136811	9	ODF2	131217465	rs75078886	9	131203574	A	C	0.228628	-0.0064477	0.00965622	0.504313	0.570732	0.0800021	9.75E-13	-0.0112972	0.016993	0.5061693	0.9227696	14	0.86831354
ENSG00000119392	9	GLE1	131266979	rs60811630	9	131308732	A	G	0.0516899	-0.0329245	0.0149197	0.0273294	-0.659786	0.098619	2.23E-11	0.0499018	0.0238113	0.03610745	0.9465317	6	0.43440968
ENSG00000167136	9	ENDOG	131580753	rs2997917	9	131586918	A	G	0.746521	0.00313725	0.0106294	0.767881	0.497353	0.0717539	4.17E-12	0.00630789	0.0213913	0.7680847	0.3180998	11	0.95514229
ENSG00000095321	9	CRAT	131857089	rs3118625	9	131873256	C	A	0.265408	0.0145512	0.00959657	0.129445	-0.343972	0.0453308	3.25E-14	-0.0423034	0.0284508	0.1370423	0.9708924	18	0.63721248
ENSG00000119383	9	PPP2R4	131873229	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	-0.597874	0.0821428	3.38E-13	-0.0226352	0.0247273	0.3599845	0.1115483	20	0.81746804

ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.46919	0.127776	1.35E-30	0.0092112	0.0100147	0.3576959	0.06537134	20	0.81746804
ENSG00000204055	9	RP11-247A12.2	131939050	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	0.938758	0.129455	4.12E-13	0.0144159	0.0157492	0.3600127	0.0105221	13	0.81746804
ENSG00000136816	9	TOR1B	132565432	rs12634	9	132573536	T	G	0.272366	0.00072973	0.00943197	0.938331	0.435109	0.0612221	1.19E-12	0.00167713	0.0216785	0.9383343	0.8339834	6	0.99333365
ENSG00000136827	9	TOR1A	132575223	rs12634	9	132573536	T	G	0.272366	0.00072973	0.00943197	0.938331	-0.895527	0.0736336	4.96E-34	-0.0008149	0.0105325	0.9383319	0.736365	20	0.99333365
ENSG00000136878	9	USP20	132596977	rs28718118	9	132557885	G	T	0.287276	0.00105671	0.00935518	0.910066	0.51202	0.0493488	3.20E-25	0.00206381	0.0182722	0.9100719	0.6540049	15	0.98753784
ENSG00000148357	9	HMCN2	133046882	rs12336255	9	133028155	A	G	0.316103	0.00274489	0.00882215	0.755698	-0.704821	0.091787	1.60E-14	-0.0038945	0.0125271	0.755891	0.9706765	4	0.95258055
ENSG00000130714	9	POMT1	134378289	rs946713	9	134389870	T	C	0.781312	0.00404451	0.00962483	0.674328	0.684935	0.0673093	2.54E-24	0.00590495	0.0140642	0.6745889	0.4633057	20	0.92508233
ENSG00000107263	9	RAPGEF1	134452157	rs10901081	9	134596675	C	T	0.816103	-0.0078071	0.0111903	0.485387	-0.421169	0.0688183	9.36E-10	0.0185367	0.0267417	0.4881984	0.8375286	6	0.86252211
ENSG00000165695	9	AK8	135600965	rs11243919	9	135701283	C	T	0.517893	-0.0044271	0.00807044	0.583309	0.45224	0.0801983	1.71E-08	-0.0097893	0.0179297	0.5850804	0.6682474	10	0.89402555
ENSG00000165699	9	TSC1	135766735	rs9696501	9	135783754	A	G	0.144135	-0.0104169	0.0123331	0.398316	-0.508436	0.0600192	2.43E-17	0.0204881	0.0243772	0.4006493	0.5725764	10	0.82963504
ENSG00000148308	9	GTF3C5	135906076	rs685959	9	135955171	C	T	0.420477	0.0002058	0.00825462	0.980109	-0.353404	0.0478858	1.58E-13	-0.0005823	0.0233576	0.9801096	0.1675655	18	0.99743376
ENSG00000170827	9	CELP	135957926	rs687753	9	135955596	T	C	0.429423	0.00023269	0.00826494	0.977539	-0.780266	0.0800273	1.84E-22	-0.0002982	0.0105925	0.9775394	0.0289754	20	0.99743145
ENSG00000160271	9	RALGDS	135973107	rs487561	9	135957117	T	G	0.406561	0.00229333	0.00830211	0.782368	-0.437121	0.0590811	1.38E-13	-0.0052464	0.0190059	0.7825156	0.1080317	19	0.95999897
ENSG00000148296	9	SURF6	136197552	rs886090	9	136199503	A	G	0.356859	-0.0034593	0.00807883	0.66851	-0.651398	0.0720928	1.63E-19	0.00531058	0.0124162	0.66886	0.1329276	20	0.92466627
ENSG00000148290	9	SURF1	136218610	rs2073932	9	136305439	G	A	0.578529	-0.0069116	0.00843074	0.412326	0.693375	0.067811	1.53E-24	-0.009968	0.012198	0.4138229	0.4641706	20	0.83806414
ENSG00000160323	9	ADAMTS13	136279478	rs3118665	9	136283389	C	T	0.873757	0.0358308	0.0166726	0.0316279	0.781564	0.103202	3.64E-14	0.045845	0.0221747	0.03869185	0.00493058	20	0.44087342
ENSG00000196990	9	FAM163B	136444079	rs732833	9	136520662	C	T	0.459245	0.020353	0.00817189	0.0127523	0.662327	0.0792101	6.18E-17	0.0307295	0.0128738	0.01698772	0.2670384	17	0.35094177
ENSG00000225756	9	DBH-AS1	136519708	rs2073836	9	136532134	T	A	0.353877	0.0117871	0.00834215	0.157668	-0.414921	0.067643	8.57E-10	-0.0284081	0.0206319	0.1685433	0.5894278	10	0.66623176
ENSG00000123453	9	SARDH	136528682	rs7033395	9	136532545	T	C	0.168986	-0.0140823	0.0110031	0.200599	-0.351336	0.0508918	5.07E-12	0.0400821	0.0318515	0.208245	0.4015506	7	0.70786449
ENSG00000196363	9	WDR5	137000487	rs28410119	9	136995046	T	C	0.489066	-0.0093651	0.00807255	0.246004	-0.464055	0.0505314	4.17E-20	0.0201809	0.0175339	0.2497474	0.6230216	20	0.74319755
ENSG00000122136	9	OBP2A	138437985	rs2590499	9	138440202	G	A	0.684891	-0.0116561	0.0085372	0.172148	-0.860697	0.0843756	1.97E-24	0.0135426	0.0100074	0.1759717	0.5965439	18	0.67151653
ENSG00000107147	9	KCNT1	138594031	rs11103190	9	138679895	C	T	0.235586	-0.0154482	0.0108632	0.155007	-0.600633	0.069938	8.84E-18	0.0257199	0.0183325	0.1606277	0.4553608	20	0.65939472
ENSG00000130560	9	UBAC1	138824815	rs11103241	9	138858369	T	C	0.2167	0.0102484	0.011574	0.375904	0.490858	0.075301	7.10E-11	0.0208785	0.0237957	0.3802642	0.5305041	12	0.82033551
ENSG00000165661	9	QSOX2	139098179	rs3758197	9	139095271	G	C	0.625249	-0.0116384	0.00840674	0.166233	0.423664	0.0615757	5.97E-12	-0.0274708	0.0202406	0.174714	0.00049726	8	0.67151653
ENSG00000160360	9	GPSM1	139221932	rs28721414	9	139239867	G	C	0.390656	0.0041967	0.00816197	0.607128	-0.593748	0.057276	3.52E-25	-0.0070682	0.0137634	0.6075694	0.405965	20	0.90341567
ENSG00000213221	9	DNLZ	139253932	rs76313736	9	139276923	G	A	0.028827	0.0717123	0.0506454	0.156785	1.82958	0.188076	2.29E-22	0.039196	0.0279731	0.1611534	0.2990612	15	0.65939472
ENSG00000187796	9	CARD9	139256355	rs140876101	9	139257903	A	G	0.0347913	-0.0033135	0.0360195	0.926705	1.02134	0.150853	1.28E-11	-0.0032443	0.0352702	0.9267117	0.08298521	3	0.99191324
ENSG00000165684	9	SNAPC4	139270029	rs41298149	9	139298732	A	G	0.0238569	-0.0336557	0.0352444	0.339617	1.13289	0.164744	6.13E-12	-0.0297078	0.0314087	0.3442264	0.529412	8	0.8110906
ENSG00000148384	9	INPP5E	139323071	rs10781542	9	139327439	G	A	0.414513	-0.0017256	0.00851741	0.839448	-0.50363	0.0514674	1.30E-22	0.00342636	0.0169157	0.8394823	0.3170523	20	0.97484049
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-0.895198	0.0733172	2.75E-34	-0.0091536	0.0177868	0.606814	0.2608651	11	0.90341567
ENSG00000204001	9	LCN8	139648838	rs2811735	9	139651885	G	A	0.690855	-0.0010155	0.00871863	0.907276	-1.15915	0.081232	3.38E-46	0.00087607	0.00752182	0.9072794	0.0527114	20	0.98739107
ENSG00000196642	9	RABL6	139702374	rs2077550	9	139736457	G	A	0.810139	0.00168744	0.0104256	0.871419	-0.266821	0.0465846	1.02E-08	-0.0063242	0.039089	0.8714706	0.5827728	4	0.97882059
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-1.07708	0.155255	3.99E-12	-0.0033235	0.0217697	0.8786618	0.9738118	14	0.98147823
ENSG00000148362	9	C9orf142	139886870	rs3829902	9	139892629	T	G	0.276342	-0.0050572	0.008707	0.561362	-0.517136	0.0450134	1.51E-30	0.00977923	0.0168585	0.561862	0.6574015	20	0.88385716
ENSG00000197355	9	UAP1L1	139971953	rs10870177	9	139987350	T	C	0.365805	0.00224091	0.00909067	0.80529	0.575996	0.0880327	6.03E-11	0.0038905	0.0157937	0.8054254	0.3901324	6	0.96532321
ENSG00000268996	9	AL807752.1	139980807	rs10118245	9	139979592	T	C	0.32505	0.00098819	0.00853763	0.907855	0.405626	0.0541623	6.94E-14	0.0024362	0.0210505	0.9078658	0.750477	11	0.98743921
ENSG00000177239	9	MAN1B1	139981379	rs4880091	9	140002989	C	T	0.756461	0.00413091	0.00863522	0.63238	-0.583668	0.0601559	2.94E-22	-0.0070775	0.0148127	0.6327934	0.2187142	20	0.91688388
ENSG00000176978	9	DPP7	140004994	rs13631	9	140006202	A	G	0.394632	-0.0034121	0.0082857	0.680486	-0.252334	0.0364991	4.73E-12	0.013522	0.0328944	0.6810194	0.415641	13	0.9275455
ENSG00000197768	9	C9orf173	140145713	rs1133439	9	140144732	G	A	0.852883	-0.0213822	0.0101179	0.034574	-0.671033	0.119211	1.81E-08	0.0318646	0.0161057	0.04787626	0.1595936	5	0.47948912
ENSG00000188986	9	NELFB	140149625	rs9330194	9	140159682	A	G	0.728628	-0.0013268	0.00893033	0.881891	0.262871	0.0443308	3.03E-09	-0.0050474	0.033983	0.881927	0.00235241	6	0.98271309
ENSG00000130653	9	PNPLA7	140354404	rs10746563	9	140444078	C	T	0.447316	0.00739088	0.00829792	0.373095	0.489264	0.0656461	9.12E-14	0.0151061	0.0170807	0.3764816	0.00831172	14	0.82033551
ENSG00000182154	9	MRPL41	140445651	rs111730524	9	140445648	T	G	0.255467	-0.0330221	0.0106159	0.0018669	-0.550512	0.0656617	5.11E-17	0.0599843	0.0205681	0.00354128	0.05287911	13	0.23296373
ENSG00000148399	9	DPH7	140449356	rs863701	9	140470119	G	A	0.187873	0.0349428	0.00934389	0.00018428	-0.40612	0.0476518	1.56E-17	-0.0860406	0.0251252	0.00061598	0.00690695	18	0.1634297
ENSG00000197070	9	ARRDC1	140500106	rs4494021	9	140499646	C	T	0.217694	0.0397315	0.00828016	1.60E-06	0.673914	0.0540286	1.04E-35	0.0589563	0.0131645	7.52E-06	0.6995567	20	0.02385156
ENSG00000148408	9	CACNA1B	140772241	rs3750508	9	141017240	T	C	0.352883	-0.0025416	0.00950304	0.789125	0.423802	0.0467557	1.26E-19	-0.005997	0.0224331	0.7892154	0.5749191	20	0.9600829
ENSG00000159247	9	TUBBP5	141044565	rs13297914	9	141069521	C	T	0.452286	0.00164241	0.0083159	0.843435	-0.704575	0.089127	2.67E-15	-0.0023311	0.0118064	0.8434826	0.8654536	20	0.9763578
ENSG00000151240	10	DIP2C	320130	rs7071903	10	588141	G	T	0.163022	-0.0166062	0.0115213	0.149485	-0.548521	0.0674383	4.16E-16	0.0302745	0.0213315	0.1558301	0.8167261	20	0.65590515
ENSG00000232656	10	IDI2-AS1	1068606	rs1871624	10	1045824	G	A	0.524851	-0.0005111	0.00810433	0.949714	-0.40845	0.0727148	1.94E-08	0.00125133	0.0198429	0.9497175	0.1058521	4	0.99338916
ENSG00000047056	10	WDR37	1095478	rs11250253	10	1125769	C	A	0.149105	-0.0040146	0.0100957	0.690885	-0.421614	0.0737776	1.10E-08	0.00952198	0.0240033	0.6915922	0.2371442	8	0.9339181
ENSG00000107959	10	PITRM1	3179920	rs61837966	10	3190499	T	A	0.0994036	-0.0007092	0.015177	0.962729	1.09397	0.110247	3.31E-23	-0.0006483	0.0138735	0.9627292	0.9423482	20	0.99596391
ENSG00000237399	10	PITRM1-AS1	3183824	rs10508247	10	3181577	C	G	0.387674	-0.0024155	0.0082791	0.770474	-0.868505	0.0871395	2.13E-23	0.00278118	0.00953667	0.7705694	0.9924794	20	0.95603464
ENSG00000187134	10	AKR1C1	4934796	rs67362530	10	5043504	A	G	0.131213	-0.0031119	0.0120072	0.795503	-0.972967	0.120651	7.37E-16	0.00319838	0.0123472	0.7956064	0.6959426	20	0.96137537
ENSG00000151632	10	AKR1C2	5029967	rs67362530	10	5043504	A	G	0.131213	-0.0031119	0.0120072	0.795503	0.954091	0.119317	1.28E-15	-0.0032617	0.0125916	0.7956081	0.7509333	15	0.96137537
ENSG00000173848	10	NET1	5454514	rs11253181	10	5486887	C	A	0.0417495	0.0127184	0.0465268	0.78458	1.76499	0.207617	1.88E-17	0.00720593	0.0263746	0.7846878	0.9394792	3	0.9600829
ENSG00000196372	10	ASB13	5680830	rs871749	10	5701833	A	G	0.235586	0.016858	0.010122	0.0958164	0.373405	0.0635667	4.25E-09	0.0451467	0.0281758	0.109084	0.3164028	3	0.60983917
ENSG00000057608	10	GDI2	5807186	rs55910451	10	5794652	G	A	0.200795	0.0272668	0.00963937	0.0046738	-0.410598	0.0581262	1.62E-12	-0.0664075	0.0252887	0.00864018	0.9473088	20	0.29231653
ENSG00000151657	10	KIN	7792925	rs11255344	10	7800881	C	T	0.243539	0.0160421	0.010094	0.111998	0.493101	0.0630922	5.47E-15	0.0325331	0.0208894	0.1193761	0.3592935	10	0.62616883
ENSG00000065665	10	SEC61A2	12171636	rs11257565	10	12190525	C	T	0.405567	0.011125	0.00827442	0.178785	-0.806417	0.0625998	5.68E-38	-0.0137956	0.0103165	0.1811438	0.8097199	20	0.67831927
ENSG00000151468	10	CCDC3	12938627	rs825415	10	13056193	T	C	0.691849	-0.0114303	0.00942112	0.225028	0.49056	0.0681097	5.91E-13	-0.0233005	0.0194754	0.2315375	0.221647	16	0.7275513
ENSG00000225251	10	RPL5P25	13099902	rs61851397	10	13118724	T	C	0.246521	0.00145673	0.00872373	0.867382	0.740853	0.103048	6.51E-13	0.00196629	0.0117784	0.8674175	0.8571817	6	0.97828063
ENSG00000107537	10	PHYH	13319796	rs825619	10	13329103	T	G	0.530815	-0.0047052	0.00809094	0.560879	-0.333325	0.0582356	1.04E-08	0.0141159	0.0243984	0.5628872	0.4017271	11	0.88385716
ENSG00000086475	10	SEPHS1	13359424	rs7083997	10	13384554	A	C	0.0725646	0.0247286	0.0142381	0.0824233	-0.505294	0.083169	1.24E-09	-0.048939	0.0293066	0.09493949	0.69828	5	0.58914688
ENSG00000165626	10	BEND7	13480484	rs7095654	10	13598142	C	G	0.266402	-0.0118515	0.00959436	0.216735	0.857219	0.0808238	2.79E-26	-0.0138255	0.0112681	0.2198364	0.5371793	17	0.72284625
ENSG00000239665	10	RP11-295P9.3	13652047	rs12358828	10	13678192	T	C	0.171968	-0.0118161	0.0115098	0.304601	-0.660765	0.0789211	5.64E-17	0.0178825	0.0175494	0.3082122	0.4191067	14	0.78036047
ENSG00000176236	10	C10orf111	15137384	rs11259480	10	15134527	C	T	0.196819	0.00021941	0.0108704	0.983897	-0.467995	0.0795264	3.99E-09	-0.0004688	0.0232277	0.9838968	0.4910204	16	0.99756656
ENSG00000152465	10	NMT2	15144583	rs10906841	10	15203275	T	C	0.338966	-6.53E-05	0.0085642	0.993916	-0.42621	0.0456463	9.89E-21	0.00015321	0.0200939	0.9939164	0.1774408	15	0.99906546
ENSG00000077943	10	ITGA8	15555948	rs4430406	10	15478816	A	C	0.275348	-0.0107886	0.00981474	0.271671	0.479832	0.0851712	1.76E-08	-0.0224841	0.0208402	0.2806414	0.5065406	6	0.76652901
ENSG00000148484	10	RSU1	16632610	rs2603794	10	16860063	G	A	0.176938	0.0107866	0.00950345	0.256369	0.635012	0.0808407	3.99E-15	0.0169865	0.0151212	0.2612876	0.7022306	9	0.74586579
ENSG00000225213	10	RP11-197M22.2	16763351	rs2356378	10	16762215	A	G	0.471173	0.00772915	0.00809162	0.339474	0.570654	0.0915614	4.59E-10	0.0135444	0.0143451	0.3450779	0.978461	12	0.8110906
ENSG00000107611	10	CUBN	16865963	rs7096079	10	17180675	C	A	0.505964	0.00374753	0.00807307	0.642504	-0.596247	0.0803627	1.18E-13	-0.0062852	0.0135663	0.6431526	0.120328	6	0.92053727
ENSG00000107614	10	TRDMT1	17184253	rs56394211	10	17186447	T	C	0.342942	0.00297963	0.00931759	0.749131	-0.403062	0.0513441	4.15E-15	-0.0073925	0.0231362	0.7493319	0.2750689	6	0.95052393
ENSG00000229124	10	VIM-AS1	17256238	rs76141382	10	17248207	A	T	0.842942	0.00941504	0.00997382	0.345182	-0.804511	0.118919	1.33E-11	-0.0117028	0.0125175	0.3498306	0.05232277	6	0.81376292
ENSG00000148483	10	TMEM236	17794251	rs12761561	10	17762445	G	T	0.352883	0.00658923	0.00871467	0.449584	-0.533475	0.0887954	1.88E-09	-0.0123515	0.0164645	0.4531402	0.8829583	13	0.85417294
ENSG00000226083	10	SLC39A12-AS1	18290715	rs11012783	10	18425418	G	A	0.420477	-0.0124368	0.00811649	0.125452	0.702795	0.0815623	6.89E-18	-0.0176962	0.0117301	0.1313959	0.5965546	20	0.63721248
ENSG00000165995	10	CACNB2	18429606	rs7082235	10	18825694	T	C	0.749503	-0.0028377	0.00947858	0.764654	0.426124	0.0739461	8.28E-09	-0.0066592	0.0222737	0.7649607	0.2688817	8	0.95514229
ENSG00000240291	10	RP11-499P20.2	18802044	rs4747349	10	18801234	C	G	0.372763	-0.0015247	0.00851168	0.85784	0.429502	0.0576995	9.79E-14	-0.0035498	0.0198233	0.8578807	0.01864132	10	0.97828063
ENSG00000241058	10	NSUN6	18834490	rs10829133	10	18941670	G	A	0.536779	-0.0097862	0.00805594	0.22445	0.578618	0.0577868	1.34E-23	-0.0169131	0.0140248	0.2278413	0.02675477	20	0.7275513
ENSG00000107890	10	ANKRD26	27280843	rs10443989	10	27405776	A	G	0.16004	0.0106276	0.011185	0.342026	-0.380097	0.0681881	2.49E-08	-0.0279602	0.0298511	0.3489358	0.8740867	14	0.81376292
ENSG00000120539	10	MASTL	27443753	rs882474	10	27477865	T	G	0.602386	0.00532259	0.00850032	0.531207	0.889721	0.0694475	1.42E-37	0.00598231	0.00956532	0.5316975	0.6395374	20	0.87557054
ENSG00000230445	10	LRRC37A6P	27535279	rs1144511	10	27536232	G	A	0.632207	0.00392864	0.0087287	0.652651	0.837645	0.0855565	1.24E-22	0.0046901	0.0104315	0.652993	0.5096172	20	0.92291695
ENSG00000150054	10	MPP7	28339922	rs1249575	10	28659440	G	C	0.348907	0.00108133	0.0083574	0.897052	0.861928	0.0840685	1.15E-24	0.00125455	0.00969694	0.8970604	0.8950168	19	0.98597578
ENSG00000254635	10	WAC-AS1	28811581	rs332147	10	28869729	C	T	0.249503	0.00400089	0.0103924	0.70025	0.462339	0.0607075	2.62E-14	0.00865359	0.0225066	0.7006143	0.5749382	16	0.93769209
ENSG00000224597	10	PTCHD3P1	29698331	rs2281940	10	29780160	C	T	0.375746	-0.0126008	0.00807297	0.118555	0.573378	0.0991793	7.42E-09	-0.0219764	0.0145838	0.1318345	0.01502721	9	0.63721248
ENSG00000216937	10	CCDC7	32735068	rs71493126	10	32715709	T	C	0.171968	-0.0011148	0.0113306	0.921621	0.591292	0.0873345	1.28E-11	-0.0018854	0.0191645	0.9216293	0.7124609	13	0.98950443
ENSG00000273038	10	RP11-479G22.8	33176189	rs2490485	10	32712807	C	T	0.595427	0.00060603	0.00844959	0.942823	0.531244	0.0678023	4.68E-15	0.00114077	0.015906	0.9428251	0.5109632	17	0.99338916
ENSG00000233200	10	RP11-324I22.2	35508822	rs4934744	10	35577194	T	C	0.341948	0.0015468	0.00888548	0.861802	0.798665	0.0883222	1.53E-19	0.00193673	0.0111275	0.8618266	0.9898738	16	0.97828063
ENSG00000271335	10	RP11-324I22.4	35603480	rs3802509	10	35772402	A	G	0.324056	0.00252691	0.00892207	0.777009	0.449339	0.0507773	8.81E-19	0.00562362	0.0198662	0.7771192	0.9823837	19	0.95809192
ENSG00000272983	10	RP11-508N22.12	38426265	rs112620163	10	39090218	C	T	0.0795229	0.00504084	0.0173249	0.771083	-0.972126	0.123209	3.02E-15	-0.0051854	0.0178338	0.7712336	0.9997537	4	0.95603464
ENSG00000215146	10	RP11-313J2.1	42827314	rs2505818	10	42846370	C	A	0.44831	0.014825	0.00804556	0.0653823	1.10766	0.0805898	5.50E-43	0.0133841	0.00732855	0.06780626	0.7891326	20	0.51753701
ENSG00000185904	10	LINC00839	42970991	rs1255400	10	42971925	T	C	0.597416	-0.0011959	0.0084091	0.886915	-0.529544	0.0953891	2.83E-08	0.00225826	0.0158851	0.8869517	0.3730385	11	0.98417863
ENSG00000196693	10	ZNF33B	43084555	rs531132548	10	42684679	A	T	0.0238569	-0.0253062	0.0399561	0.526504	-0.849054	0.153474	3.16E-08	0.0298052	0.0473669	0.529192	0.9659856	3	0.87557054
ENSG00000165733	10	BMS1	43278249	rs3121325	10	43380113	C	G	0.620278	-0.0114057	0.00823069	0.165822	-0.48129	0.0708195	1.08E-11	0.0236982	0.0174532	0.1745232	0.01136408	20	0.67151653
ENSG00000169826	10	CSGALNACT2	43633934	rs1270015	10	43698240	T	G	0.170974	0.00892233	0.0101671	0.38018	0.882541	0.0826072	1.21E-26	0.0101098	0.0115591	0.381779	0.05477648	17	0.82033551
ENSG00000230555	10	RP11-517P14.2	43916186	rs4948737	10	44014339	C	T	0.0745527	-0.0352837	0.0141736	0.0127959	0.900425	0.147065	9.20E-10	-0.0391856	0.0169924	0.02110674	0.1349447	6	0.36316121
ENSG00000196793	10	ZNF239	44051792	rs11238588	10	44057392	G	C	0.15507	0.0398565	0.0111271	0.00034108	0.635193	0.0934852	1.09E-11	0.0627471	0.0198028	0.00153178	0.749751	6	0.16825689
ENSG00000224812	10	TMEM72-AS1	45306472	rs72780655	10	45455543	G	C	0.109344	-0.002751	0.0121253	0.820518	-0.910077	0.117104	7.75E-15	0.00302281	0.0133291	0.8205921	0.7018532	15	0.96842597
ENSG00000256574	10	OR13A1	45798102	rs4987105	10	45869748	T	C	0.175944	-0.0077593	0.0101535	0.444746	-0.740781	0.100561	1.75E-13	0.0104745	0.01378	0.4471821	0.8553016	14	0.85417294
ENSG00000012779	10	ALOX5	45869661	rs4987105	10	45869748	T	C	0.175944	-0.0077593	0.0101535	0.444746	-0.829899	0.0915491	1.25E-19	0.0093497	0.012278	0.4463588	0.6253719	15	0.85417294
ENSG00000231964	10	RP11-67C2.2	45940018	rs56150414	10	45871432	A	G	0.182903	-0.0087743	0.010097	0.38485	-0.749703	0.0918994	3.41E-16	0.0117037	0.0135442	0.387528	0.781986	19	0.82295689
ENSG00000165406	10	8-Mar	45950035	rs3824616	10	45952929	C	T	0.0795229	0.0201147	0.015242	0.186939	-0.745722	0.10493	1.19E-12	-0.0269735	0.0207887	0.1944563	0.2618401	13	0.69620327
ENSG00000172671	10	ZFAND4	46111043	rs3824617	10	46167847	T	C	0.23161	0.00088412	0.0100872	0.930157	-0.368945	0.0608182	1.31E-09	-0.0023964	0.0273435	0.9301639	0.5915098	5	0.99191324
ENSG00000172661	10	FAM21C	46222648	rs12246276	10	46234434	C	T	0.271372	-0.0040631	0.00945324	0.667337	-0.557571	0.0675619	1.55E-16	0.00728709	0.0169773	0.6677592	0.2891537	18	0.92466627
ENSG00000188234	10	AGAP4	46321042	rs2279435	10	45923528	A	C	0.558648	0.00046839	0.00813579	0.95409	0.640512	0.105967	1.50E-09	0.00073127	0.0127026	0.954092	0.528327	17	0.99474204
ENSG00000204177	10	BMS1P1	46737612	rs545565249	10	47048832	T	C	0.0357853	0.0192523	0.0344659	0.576441	-1.14747	0.194296	3.51E-09	-0.016778	0.0301705	0.5781371	0.7789463	3	0.89169006
ENSG00000251079	10	BMS1P2	47228366	rs57959939	10	47386073	A	C	0.243539	-0.0004369	0.00974389	0.96424	-0.796008	0.106642	8.37E-14	0.00054881	0.0122412	0.9642404	0.06201537	4	0.99660087
ENSG00000170324	10	FRMPD2	49364601	rs11101258	10	49410358	T	C	0.285288	0.0163991	0.00884577	0.0637544	-0.337658	0.0560328	1.68E-09	-0.0485672	0.0274091	0.07640543	0.1752645	4	0.54632592
ENSG00000107643	10	MAPK8	49514698	rs4575219	10	49687925	G	C	0.217694	0.0043837	0.00901522	0.626786	-0.38205	0.0640558	2.46E-09	-0.0114742	0.0236753	0.6279264	0.620105	8	0.91458451
ENSG00000197444	10	OGDHL	50942689	rs3829175	10	51127454	A	G	0.447316	-0.0030981	0.0081301	0.703158	-0.234713	0.039704	3.39E-09	0.0131994	0.0347104	0.7037431	0.442621	8	0.93781922
ENSG00000204152	10	TIMM23B	51371390	rs147927137	10	51770478	T	C	0.143141	0.00292012	0.00962858	0.761679	0.30622	0.0533746	9.63E-09	0.00953602	0.0314872	0.7620016	0.4820403	3	0.95514229
ENSG00000235618	10	RP11-324H6.5	51780942	rs7088088	10	51816767	T	C	0.163022	-0.013771	0.0103808	0.184646	-0.803307	0.125913	1.77E-10	0.0171429	0.013199	0.1940115	0.8548168	3	0.6955129
ENSG00000188611	10	ASAH2	51942538	rs4617537	10	52550560	G	C	0.49006	-0.0034853	0.00820425	0.670968	0.834037	0.0784307	2.07E-26	-0.0041789	0.00984464	0.6712147	0.6357999	20	0.92466627
ENSG00000204147	10	ASAH2B	52499078	rs67440360	10	52508516	T	C	0.347913	-0.0005871	0.00840555	0.944312	-0.72969	0.0683482	1.32E-26	0.00080465	0.0115196	0.9443128	0.2253855	19	0.99338916
ENSG00000122952	10	ZWINT	58116989	rs72800978	10	58162052	G	A	0.0526839	-0.0136475	0.0262482	0.603104	-1.32667	0.242392	4.42E-08	0.010287	0.0198741	0.6047303	0.01320272	3	0.90270816
ENSG00000108064	10	TFAM	60144782	rs11006132	10	60156166	G	A	0.229622	-0.0055609	0.0117526	0.636095	-0.307184	0.0448434	7.38E-12	0.0181029	0.0383503	0.6368986	0.3597492	11	0.91799509
ENSG00000165449	10	SLC16A9	61410523	rs6479648	10	61510559	A	G	0.460239	0.00129785	0.00808335	0.872441	-0.866249	0.0657586	1.25E-39	-0.0014982	0.00933213	0.8724506	0.6048029	20	0.97882059
ENSG00000227877	10	LINC00948	61496753	rs6479648	10	61510559	A	G	0.460239	0.00129785	0.00808335	0.872441	-0.430833	0.0552082	6.01E-15	-0.0030124	0.0187661	0.872468	0.7520941	17	0.97882059
ENSG00000183346	10	C10orf107	63422719	rs12781756	10	63438614	G	A	0.0854871	-0.0190748	0.0112918	0.0911696	1.20067	0.158094	3.09E-14	-0.0158868	0.00963442	0.09915521	0.717734	6	0.5994087
ENSG00000216740	10	ANXA2P3	66585329	rs10995669	10	65632812	G	A	0.439364	0.00699908	0.00826375	0.397017	0.590597	0.0918893	1.30E-10	0.0118509	0.0141132	0.4010753	0.6050677	4	0.82963504
ENSG00000108187	10	PBLD	70042417	rs78041174	10	70038771	A	G	0.198807	-0.0056364	0.00909113	0.535266	0.465531	0.0663537	2.28E-12	-0.0121074	0.0196046	0.5368522	0.5807607	15	0.87578658
ENSG00000138346	10	DNA2	70173821	rs12220392	10	70246495	C	T	0.106362	-0.0090575	0.0116969	0.438728	-1.42426	0.106436	7.77E-41	0.00635941	0.00822635	0.4394911	0.5982112	20	0.85341858
ENSG00000122912	10	SLC25A16	70237756	rs12220392	10	70246495	C	T	0.106362	-0.0090575	0.0116969	0.438728	0.914165	0.102906	6.48E-19	-0.0099079	0.0128437	0.4404574	0.6950058	20	0.85397914
ENSG00000165730	10	STOX1	70587298	rs11812551	10	70599221	T	C	0.133201	-0.0033583	0.0103167	0.744785	0.692564	0.0815379	2.00E-17	-0.0048491	0.0149073	0.7449648	0.1287613	19	0.94746104
ENSG00000099282	10	TSPAN15	71211229	rs10823398	10	71270363	A	C	0.446322	0.00470692	0.00822371	0.567078	0.426242	0.0587502	4.01E-13	0.0110428	0.0193535	0.5682797	0.9100368	7	0.8869034
ENSG00000197467	10	COL13A1	71561644	rs7080527	10	71596390	T	C	0.27336	0.00258403	0.00875666	0.767922	-0.62671	0.0912826	6.62E-12	-0.0041232	0.0139853	0.7681307	0.639464	9	0.95514229
ENSG00000042286	10	AIFM2	71857979	rs6480442	10	71900246	T	C	0.406561	0.00746552	0.00815519	0.359966	-0.844157	0.0770184	5.92E-28	-0.0088438	0.00969439	0.3616343	0.5808366	20	0.81794669
ENSG00000079332	10	SAR1A	71907045	rs10999165	10	71919271	A	G	0.441352	0.00124241	0.00805846	0.877472	0.368926	0.0499893	1.58E-13	0.00336764	0.0218478	0.8774986	0.2198256	20	0.98124899
ENSG00000148734	10	NPFFR1	72007085	rs56076025	10	72045054	C	G	0.0675944	0.00033526	0.0148553	0.981995	-1.14012	0.150844	4.08E-14	-0.0002941	0.0130297	0.9819949	0.3268715	5	0.99756656
ENSG00000156574	10	NODAL	72192071	rs1904589	10	72195439	C	T	0.530815	0.00859777	0.00818276	0.293388	0.31655	0.0578205	4.38E-08	0.0271609	0.0263216	0.3021259	0.01739958	4	0.77863838
ENSG00000138316	10	ADAMTS14	72432559	rs7095992	10	72428563	C	T	0.237575	0.00912258	0.00906893	0.314456	0.551176	0.0650948	2.51E-17	0.0165511	0.0165695	0.3178472	0.8728352	20	0.79007285
ENSG00000107742	10	SPOCK2	73818793	rs1245547	10	73846341	G	A	0.403579	0.0126887	0.00823939	0.123559	-0.312692	0.0351929	6.39E-19	-0.0405789	0.0267427	0.1291704	0.2321098	15	0.63721248
ENSG00000156026	10	MCU	74451889	rs11000411	10	74539882	G	A	0.630219	0.00108355	0.00814083	0.894113	-0.569063	0.0511062	8.48E-29	-0.0019041	0.0143067	0.8941213	0.05381385	20	0.98597578
ENSG00000138315	10	OIT3	74653339	rs6415912	10	74611240	G	A	0.681909	0.00587729	0.00822618	0.474942	-0.350117	0.0628378	2.52E-08	-0.0167866	0.0236879	0.478536	0.9296381	9	0.85809419
ENSG00000272630	10	RP11-344N10.5	74857802	rs79237946	10	74602886	C	T	0.0238569	0.0322779	0.0263653	0.220856	-1.37154	0.205238	2.35E-11	-0.0235341	0.0195431	0.2285062	0.933416	8	0.7275513
ENSG00000166321	10	NUDT13	74870217	rs111288599	10	74785417	G	C	0.055666	-0.006691	0.0190421	0.725302	-0.825576	0.133929	7.08E-10	0.00810469	0.0231027	0.7257294	0.9849022	9	0.94070655
ENSG00000156042	10	TTC18	75013517	rs11000630	10	75133893	C	T	0.0646123	-0.0012805	0.0183376	0.944328	-0.847372	0.116116	2.93E-13	0.00151118	0.0216415	0.9443308	0.6358699	12	0.99338916
ENSG00000165655	10	ZNF503	77157588	rs17184356	10	77878408	G	A	0.178926	0.0128252	0.0112127	0.252702	0.633623	0.0978566	9.48E-11	0.0202411	0.0179702	0.2600086	0.525559	3	0.74586579
ENSG00000151208	10	DLG5	79550549	rs1866437	10	79526766	C	T	0.337972	0.00204797	0.00905223	0.821015	0.61301	0.0597036	9.87E-25	0.00334084	0.0147704	0.821058	0.07751811	18	0.96842597
ENSG00000138326	10	RPS24	79793518	rs2263889	10	79869704	G	A	0.393638	-0.0049541	0.00842786	0.556648	-0.354362	0.0511141	4.13E-12	0.0139804	0.0238685	0.5580596	0.2637076	12	0.88271976
ENSG00000244733	10	RP11-506M13.3	81420647	rs1626423	10	81427138	G	C	0.201789	0.00668071	0.00894517	0.455154	-0.512616	0.0773592	3.44E-11	-0.0130326	0.0175605	0.4579951	0.7491651	20	0.85572769
ENSG00000188199	10	NUTM2B	81462983	rs61861429	10	81569105	A	G	0.583499	-0.0049416	0.0082308	0.548256	0.777283	0.0913514	1.76E-17	-0.0063575	0.0106155	0.5492486	0.7934824	20	0.88133611
ENSG00000225484	10	RP11-773D16.1	81563813	rs7921005	10	81517762	A	G	0.315109	0.00421518	0.0089999	0.639529	-0.751405	0.08161	3.35E-20	-0.0056097	0.0119929	0.6399607	0.6323999	20	0.91831537
ENSG00000228570	10	NUTM2E	81601114	rs11195631	10	81572274	T	C	0.659046	-0.0017714	0.00846014	0.834153	-0.935359	0.090756	6.60E-25	0.00189379	0.00904667	0.8341866	0.594614	20	0.97259615
ENSG00000242600	10	MBL1P	81664654	rs55798571	10	81617563	C	T	0.0715706	0.0128223	0.0179003	0.473793	1.02	0.169645	1.83E-09	0.0125709	0.0176734	0.4769061	0.4740912	20	0.85740342
ENSG00000133661	10	SFTPD	81697496	rs7908468	10	81758718	C	T	0.526839	0.0161176	0.00813164	0.0474701	0.536226	0.0764693	2.34E-12	0.0300575	0.0157587	0.05647474	0.93935	20	0.49855845
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	1.08612	0.108883	1.96E-23	0.00608374	0.0114855	0.5963269	0.4220915	20	0.89921744
ENSG00000189129	10	PLAC9	81891438	rs2819875	10	81903517	T	C	0.50497	-0.0095991	0.00809018	0.23542	0.444409	0.0708792	3.61E-10	-0.0215997	0.0185274	0.2436866	0.4625761	19	0.73716233
ENSG00000108219	10	TSPAN14	82213922	rs873257	10	82280140	T	C	0.465209	-0.0068265	0.00822824	0.406742	-0.215716	0.0374674	8.54E-09	0.0316457	0.0385378	0.4115552	0.7641463	20	0.83688257
ENSG00000165678	10	GHITM	85899196	rs72833940	10	85683405	T	C	0.027833	-0.0202435	0.0176219	0.250651	-0.57764	0.103269	2.22E-08	0.0350452	0.0311434	0.2604691	0.8810629	4	0.74586579
ENSG00000148604	10	RGR	86004809	rs2279228	10	86004736	G	A	0.491054	0.00276043	0.0080484	0.731616	0.755289	0.0739123	1.63E-24	0.0036548	0.0106621	0.7317597	0.9662126	12	0.94342728
ENSG00000107779	10	BMPR1A	88516407	rs6586042	10	88678424	G	A	0.390656	-0.0073676	0.00808486	0.362148	-0.304055	0.0548778	3.01E-08	0.024231	0.0269474	0.3685469	0.2433908	5	0.81816933
ENSG00000122376	10	FAM35A	88853918	rs1923935	10	88849769	T	C	0.289264	-0.0216382	0.00867887	0.0126596	0.361068	0.0627493	8.71E-09	-0.0599283	0.026196	0.02215554	0.3411006	5	0.37353203
ENSG00000184923	10	NUTM2A	88985205	rs12262768	10	88998470	C	T	0.16501	-0.0002224	0.0111665	0.98411	0.870447	0.12991	2.08E-11	-0.0002555	0.0128285	0.98411	0.4429192	10	0.99756656

ENSG00000185745	10	IFIT1	91152303	rs303215	10	91156831	C	T	0.201789	0.0113107	0.00988234	0.252399	-0.604683	0.0819588	1.61E-13	-0.0187052	0.0165385	0.2580516	0.6592716	12	0.74586579
ENSG00000152778	10	IFIT5	91174343	rs303209	10	91164816	A	T	0.205765	0.0117983	0.00987992	0.232413	-0.440834	0.0669025	4.42E-11	-0.0267636	0.022777	0.2399832	0.419999	10	0.73407482
ENSG00000138182	10	KIF20B	91461367	rs11594682	10	91567951	T	C	0.228628	0.0125935	0.010063	0.210767	0.360713	0.0631228	1.10E-08	0.0349128	0.0285587	0.2215212	0.415964	8	0.72284625
ENSG00000232229	10	LINC00865	91589267	rs3802651	10	91599043	T	C	0.168986	-0.0071767	0.0110192	0.514861	1.33742	0.126727	4.89E-26	-0.005366	0.00825482	0.5156604	0.9232679	20	0.87139564
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.743106	0.0929104	1.26E-15	-0.0017112	0.0117334	0.8840451	0.7017259	15	0.98303047
ENSG00000095564	10	BTAF1	93683526	rs833383	10	93758689	G	A	0.737575	-0.0001734	0.00945091	0.985363	0.339427	0.0445687	2.62E-14	-0.0005108	0.0278438	0.9853627	0.4378955	13	0.9980451
ENSG00000232709	10	MARK2P9	94178424	rs17875327	10	94274809	G	A	0.112326	0.00691096	0.0110739	0.532579	1.11381	0.148258	5.79E-14	0.00620479	0.00997661	0.5339851	0.2294055	6	0.87557054
ENSG00000148690	10	FRA10AC1	95427640	rs1998840	10	95460373	G	T	0.132207	-0.0175233	0.0146115	0.230419	0.785617	0.0961945	3.16E-16	-0.0223051	0.0187982	0.2354026	0.8962199	16	0.72846194
ENSG00000119969	10	HELLS	96305547	rs581165	10	96141607	G	A	0.399602	0.00143895	0.00837742	0.863622	0.355531	0.0554988	1.49E-10	0.00404733	0.0235716	0.8636706	0.9612414	7	0.97828063
ENSG00000059573	10	ALDH18A1	97365696	rs1270505	10	97353584	A	G	0.477137	-0.0049331	0.00809557	0.542291	0.458105	0.060411	3.37E-14	-0.0107684	0.0177288	0.5435887	0.6403503	20	0.87884241
ENSG00000235677	10	NPM1P26	98319942	rs3818390	10	98319503	T	A	0.648111	0.0029025	0.00875118	0.740139	0.581961	0.0910203	1.62E-10	0.00498745	0.0150576	0.7404751	0.5080381	9	0.94621977
ENSG00000187122	10	SLIT1	98757795	rs12765160	10	97997174	G	A	0.307157	0.0103371	0.00847554	0.222602	0.478154	0.0796818	1.96E-09	0.0216188	0.018088	0.2320079	0.3992904	12	0.7275513
ENSG00000213390	10	ARHGAP19	98978996	rs7901853	10	99082360	C	T	0.651093	-0.0190558	0.00823436	0.0206581	0.31063	0.0567894	4.50E-08	-0.0613457	0.0287834	0.03306577	0.730374	7	0.42178047
ENSG00000052749	10	RRP12	99116115	rs1537646	10	99149922	C	T	0.336978	-0.001439	0.00843651	0.864566	0.558284	0.067055	8.38E-17	-0.0025775	0.0151147	0.8645943	0.1057344	12	0.97828063
ENSG00000171314	10	PGAM1	99185917	rs77309868	10	99195200	T	C	0.05666	0.041998	0.0178285	0.0184897	-0.78015	0.100897	1.06E-14	-0.0538332	0.0238897	0.02423333	0.8145482	6	0.38644663
ENSG00000171160	10	MORN4	99374310	rs11189315	10	99428208	A	G	0.196819	-0.027792	0.00986684	0.00485188	-0.576767	0.0624342	2.51E-20	0.0481858	0.0178847	0.00705467	0.2810361	9	0.2675694
ENSG00000119943	10	PYROXD2	100143322	rs942809	10	100168001	A	G	0.235586	-0.0064371	0.0095345	0.499589	0.385767	0.0643676	2.06E-09	-0.0166865	0.024872	0.5022886	0.9163735	9	0.86667263
ENSG00000198018	10	ENTPD7	101419263	rs3184991	10	101515316	C	T	0.28827	-0.0188217	0.00878511	0.0321573	0.465314	0.0779846	2.42E-09	-0.0404495	0.0200602	0.04375733	0.07710802	9	0.46243333
ENSG00000233690	10	EBAG9P1	101457164	rs11190255	10	101474499	C	T	0.302187	-0.0269531	0.00847831	0.00147751	0.813071	0.088525	4.13E-20	-0.0331497	0.0110345	0.00266284	0.237084	16	0.21516834
ENSG00000107554	10	DNMBP	101635334	rs7896859	10	101663438	T	G	0.423459	0.0125482	0.00833774	0.132328	0.519015	0.0749066	4.24E-12	0.0241769	0.0164391	0.1413736	0.5897478	20	0.63973458
ENSG00000095485	10	CWF19L1	101992055	rs11596950	10	101996360	T	C	0.427435	-0.0058068	0.0085312	0.496087	0.673745	0.0601073	3.68E-29	-0.0086188	0.0126857	0.4968795	0.01420332	20	0.86490662
ENSG00000196072	10	BLOC1S2	102033713	rs71488053	10	102044312	A	G	0.0487078	0.0174793	0.0182725	0.338776	-0.795638	0.105371	4.33E-14	-0.0219689	0.0231494	0.342618	0.00324818	11	0.80972215
ENSG00000075826	10	SEC31B	102246399	rs10509744	10	102271579	T	C	0.191849	0.0295779	0.00955345	0.00196119	-0.676835	0.0653105	3.64E-25	-0.0437003	0.0147313	0.00301219	0.7644761	13	0.22330073
ENSG00000272572	10	RP11-179B2.2	102670860	rs12355141	10	102703133	T	G	0.449304	0.0154771	0.00807379	0.0552433	0.616483	0.0795311	9.08E-15	0.0251055	0.0134911	0.0627589	0.2985483	14	0.50845953
ENSG00000055950	10	MRPL43	102729215	rs3740484	10	102747363	T	G	0.316103	-0.0009867	0.00918423	0.914444	0.352325	0.0516285	8.84E-12	-0.0028006	0.0260707	0.9144543	0.1197112	16	0.98780912
ENSG00000186862	10	PDZD7	102767440	rs11190803	10	102790799	A	C	0.314115	0.00274844	0.00919388	0.764983	-0.966203	0.0656199	4.50E-49	-0.0028446	0.00951744	0.765031	0.4700198	9	0.95514229
ENSG00000107819	10	SFXN3	102790991	rs2275382	10	102797259	T	C	0.2833	-0.0144209	0.00985939	0.143562	0.344613	0.0483083	9.78E-13	-0.0418467	0.0292052	0.1519013	0.7816929	8	0.6516889
ENSG00000107874	10	CUEDC2	104183002	rs6584499	10	104188259	T	G	0.65507	0.00789432	0.00851774	0.354026	0.263329	0.0416126	2.48E-10	0.0299789	0.0326915	0.3591289	0.9480184	7	0.81746804
ENSG00000269609	10	RP11-18I14.10	104209574	rs112968127	10	104217280	A	C	0.145129	0.00281428	0.013345	0.832976	-0.589981	0.0916239	1.20E-10	-0.0047701	0.0226315	0.833064	0.9253912	15	0.97259615
ENSG00000138111	10	TMEM180	104221149	rs11593589	10	104228299	A	C	0.563618	0.0060069	0.00807346	0.456858	-0.729917	0.0608362	3.64E-33	-0.0082296	0.011082	0.4577215	0.9107289	20	0.85553359
ENSG00000138175	10	ARL3	104433488	rs12764899	10	104635103	A	G	0.234592	-0.0198162	0.00934254	0.0339156	0.412703	0.0719871	9.87E-09	-0.0480156	0.0241371	0.04666934	0.6830193	17	0.47527302
ENSG00000156398	10	SFXN2	104474295	rs12775376	10	104523634	A	G	0.318091	0.00543269	0.00890981	0.542032	0.357745	0.0630019	1.36E-08	0.0151859	0.0250487	0.5443439	0.237793	9	0.87924037
ENSG00000166275	10	C10orf32	104613980	rs12416687	10	104629011	C	T	0.254473	-0.0074018	0.00965458	0.443281	-0.742411	0.0683646	1.80E-27	0.00996999	0.0130367	0.4444135	0.2611193	20	0.85417294
ENSG00000214435	10	AS3MT	104629273	rs12241517	10	104621068	G	A	0.349901	-0.0166043	0.00860775	0.0537316	-1.09688	0.0805869	3.44E-42	0.0151378	0.0079259	0.0561449	0.3599818	20	0.49855845
ENSG00000235266	10	RP11-753C18.8	104647631	rs10883816	10	104749725	G	A	0.416501	-0.0126208	0.00834765	0.130558	-0.554273	0.0852294	7.86E-11	0.02277	0.0154622	0.1408519	0.2169303	11	0.63973458
ENSG00000272912	10	RP11-724N1.1	104674342	rs11191424	10	104625886	A	G	0.349901	-0.0167289	0.00860721	0.0519446	-0.785115	0.0825758	1.95E-21	0.0213076	0.0111897	0.05688254	0.3569404	20	0.49855845
ENSG00000148843	10	PDCD11	105156405	rs6584542	10	104995495	G	A	0.662028	0.00015727	0.00828206	0.98485	0.388458	0.0636477	1.04E-09	0.00040484	0.0213205	0.9848502	0.7700261	7	0.99791555
ENSG00000260461	10	RP11-541N10.3	105637132	rs12573103	10	105639241	G	A	0.555666	-0.0080321	0.00830115	0.33325	0.437843	0.0705698	5.49E-10	-0.0183447	0.0191884	0.3390557	0.9829524	5	0.80766221
ENSG00000148834	10	GSTO1	105995114	rs116998616	10	106038831	A	T	0.0178926	0.0454459	0.039093	0.245029	-1.28202	0.226605	1.54E-08	-0.0354487	0.0311304	0.2548214	0.9844636	3	0.74586579
ENSG00000065621	10	GSTO2	106028631	rs276204	10	106035313	G	C	0.368787	-0.0128347	0.00868268	0.139355	-1.0654	0.077726	9.20E-43	0.0120468	0.00819694	0.14165	0.02699653	20	0.63982352
ENSG00000148700	10	ADD3	111756126	rs72828245	10	111746596	T	G	0.166004	-0.0228703	0.0114326	0.0454517	0.85399	0.0696036	1.32E-34	-0.0267805	0.013564	0.04833908	0.2930782	20	0.48070399
ENSG00000203867	10	RBM20	112404155	rs1417638	10	112510100	T	C	0.402584	0.00673563	0.0080649	0.403618	-0.471291	0.0770449	9.53E-10	-0.0142919	0.0172711	0.407953	0.4238547	3	0.83631195
ENSG00000197142	10	ACSL5	114133776	rs11195908	10	114109360	C	T	0.271372	0.0210886	0.00911497	0.0206881	0.31526	0.0573032	3.76E-08	0.0668927	0.0313651	0.03294846	0.8735027	5	0.42178047
ENSG00000232934	10	RP11-324O2.3	114165977	rs2900946	10	114191550	C	T	0.297217	0.0216002	0.00872005	0.0132465	0.525576	0.0728581	5.45E-13	0.0410981	0.0175423	0.01913976	0.4876859	9	0.35949739
ENSG00000165806	10	CASP7	115438942	rs7918733	10	115439394	T	C	0.39662	0.00469551	0.00841353	0.576782	0.334805	0.047026	1.08E-12	0.0140246	0.0252067	0.5779487	0.2554503	4	0.89169006
ENSG00000107518	10	ATRNL1	116853124	rs76614823	10	116772349	A	G	0.0397614	-0.0510185	0.034408	0.13814	0.403817	0.0670996	1.76E-09	-0.126341	0.087755	0.1499528	0.7214581	6	0.64835856
ENSG00000165650	10	PDZD8	119040000	rs181440	10	119103471	C	A	0.500994	0.00713129	0.00806026	0.376294	0.372002	0.0417801	5.40E-19	0.01917	0.021774	0.3786367	0.05227822	13	0.82033551
ENSG00000151893	10	CACUL1	120433679	rs41314489	10	120514834	A	G	0.369781	-0.002219	0.00840256	0.791713	-0.471596	0.0680095	4.08E-12	0.0047053	0.0178302	0.7918609	0.8582002	7	0.96044334
ENSG00000188613	10	NANOS1	120789228	rs592580	10	120786704	C	T	0.416501	-0.0090932	0.00815214	0.264663	0.384615	0.0640746	1.94E-09	-0.0236424	0.0215584	0.272788	0.495715	13	0.76067603
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	1.01597	0.0641415	1.66E-56	0.0109234	0.00805672	0.1751605	0.7433831	20	0.67151653
ENSG00000203805	10	PPAPDC1A	122216466	rs4751791	10	122334561	T	C	0.382704	-0.0034552	0.00839451	0.68063	1.26516	0.0779139	2.72E-59	-0.0027311	0.00663727	0.6807261	0.07534717	20	0.9275455
ENSG00000177234	10	C10orf85	122357721	rs4751791	10	122334561	T	C	0.382704	-0.0034552	0.00839451	0.68063	1.24097	0.0743852	1.74E-62	-0.0027843	0.00676653	0.680721	0.07189791	20	0.9275455
ENSG00000227165	10	WDR11-AS1	122521324	rs11199412	10	122330200	T	G	0.38171	-0.0033947	0.00839429	0.685916	0.649508	0.0866653	6.66E-14	-0.0052265	0.0129429	0.6863489	0.06260366	14	0.92986305
ENSG00000120008	10	WDR11	122610687	rs2000378	10	122636139	A	C	0.333996	-0.0054159	0.00883007	0.53965	-0.619583	0.0606572	1.71E-24	0.00874114	0.0142773	0.5403789	0.8878619	20	0.87702834
ENSG00000271670	10	RP11-95I16.4	122638768	rs11199637	10	122663950	A	G	0.333996	-0.0056958	0.00882736	0.518773	-0.763279	0.0821734	1.56E-20	0.00746221	0.0115929	0.5197784	0.5688436	18	0.87239215
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-1.04685	0.0818493	1.87E-37	-0.0028845	0.00802249	0.7191839	0.2702481	20	0.93968224
ENSG00000107679	10	PLEKHA1	124134212	rs10082476	10	124164654	G	A	0.228628	-0.0137977	0.0119396	0.247834	0.341321	0.0547053	4.40E-10	-0.0404244	0.0355755	0.2558316	0.3221866	5	0.74586579
ENSG00000065154	10	OAT	126085872	rs4144117	10	126107506	C	A	0.814115	-0.0036186	0.0131363	0.782955	0.497224	0.0641091	8.77E-15	-0.0072777	0.0264359	0.7830895	0.7344097	7	0.95999897
ENSG00000107902	10	LHPP	126150403	rs4962386	10	126266756	A	G	0.486083	0.00499095	0.00813273	0.539422	0.265886	0.0451201	3.80E-09	0.018771	0.0307527	0.5416062	0.6803405	20	0.87809147
ENSG00000175029	10	CTBP2	126676421	rs3781415	10	126712615	T	C	0.478131	0.00025568	0.00808612	0.974776	0.327676	0.0578135	1.45E-08	0.00078027	0.0246776	0.9747762	0.6966602	9	0.99743145
ENSG00000154485	10	MMP21	127455022	rs11244648	10	127475630	T	C	0.332008	-0.0132452	0.00819044	0.105845	-0.544687	0.0830771	5.51E-11	0.0243171	0.0154876	0.1163922	0.3818748	9	0.61826457
ENSG00000188690	10	UROS	127477146	rs10751532	10	127474707	T	C	0.444334	0.021254	0.00813939	0.00902132	-0.335697	0.0472092	1.15E-12	-0.063313	0.0258294	0.01423796	0.9774619	19	0.34725322
ENSG00000170430	10	MGMT	131265448	rs12266534	10	131269756	T	C	0.345924	0.00019521	0.00849164	0.981659	-0.745284	0.0736712	4.67E-24	-0.0002619	0.0113939	0.9816594	0.2309163	20	0.99756656
ENSG00000108001	10	EBF3	131633547	rs12356501	10	131265852	T	C	0.614314	-0.0054723	0.00845735	0.517601	0.439835	0.0760121	7.19E-09	-0.0124417	0.0193483	0.5201982	0.9728515	11	0.87239215
ENSG00000176769	10	TCERG1L	132890654	rs11017585	10	132729126	T	C	0.508946	0.00500221	0.00806545	0.535125	-0.390652	0.0672043	6.14E-09	-0.0128048	0.0207633	0.5374313	0.725324	7	0.87578658
ENSG00000175470	10	PPP2R2D	133747955	rs10870232	10	133738537	G	T	0.264414	-0.0016624	0.00897279	0.853017	-0.54457	0.0600292	1.17E-19	0.00305267	0.0164803	0.8530475	0.3870549	14	0.97754318
ENSG00000176171	10	BNIP3	133781578	rs4342945	10	133751657	C	T	0.482107	-0.0009184	0.00807917	0.909491	-0.545373	0.0761668	8.05E-13	0.00168407	0.0148159	0.909502	0.5978304	12	0.98753784
ENSG00000188385	10	JAKMIP3	133918175	rs11592585	10	133955427	G	A	0.341948	0.00114395	0.00836815	0.891265	0.832864	0.065017	1.44E-37	0.00137351	0.010048	0.8912718	0.1019178	20	0.98547338
ENSG00000151640	10	DPYSL4	134000404	rs2814158	10	134011002	T	C	0.637177	0.00120023	0.00818266	0.883385	-0.895862	0.07128	3.16E-36	-0.0013398	0.00913446	0.8833927	0.303521	20	0.98282556
ENSG00000148814	10	LRRC27	134145614	rs7085852	10	134144005	C	T	0.188867	-0.0016827	0.0101329	0.868107	0.732762	0.0879362	7.89E-17	-0.0022964	0.0138311	0.8681325	0.3842558	10	0.97828063
ENSG00000229081	10	RP11-432J24.6	134334331	rs4293055	10	134323744	A	G	0.4334	0.00012833	0.00822394	0.98755	0.512546	0.0787795	7.71E-11	0.00025038	0.0160453	0.9875501	0.0452758	7	0.9989377
ENSG00000171811	10	TTC40	134621896	rs12262974	10	134710935	C	T	0.457256	-0.0032377	0.00805243	0.68763	-0.68549	0.0872406	3.92E-15	0.00472313	0.0117623	0.6880174	0.3818501	20	0.93008735
ENSG00000232903	10	RP13-137A17.4	134757471	rs9419130	10	134786503	T	C	0.0238569	-0.0027884	0.040957	0.945721	1.62571	0.248804	6.40E-11	-0.0017152	0.0251947	0.9457236	0.958753	4	0.99338916
ENSG00000224758	10	RP13-137A17.5	134774844	rs9419130	10	134786503	T	C	0.0238569	-0.0027884	0.040957	0.945721	1.45893	0.250813	6.00E-09	-0.0019113	0.0280752	0.9457244	0.95879	4	0.99338916
ENSG00000148824	10	MTG1	135207598	rs56153177	10	135216975	A	G	0.242545	-0.0068093	0.00970555	0.482935	0.679911	0.0750987	1.38E-19	-0.010015	0.0143175	0.4842439	0.6416546	16	0.86074524
ENSG00000214279	10	RP11-108K14.4	135267432	rs2297031	10	135232654	T	C	0.222664	-0.0004777	0.010111	0.962318	-0.66382	0.095018	2.82E-12	0.00071962	0.0152319	0.9623187	0.1191587	6	0.99596391
ENSG00000171772	10	SYCE1	135367404	rs1536826	10	135357239	C	A	0.77833	0.00838	0.0102311	0.412746	0.557054	0.10098	3.46E-08	0.0150434	0.0185678	0.4178313	0.3045708	5	0.83949286
ENSG00000142082	11	SIRT3	215458	rs3216	11	214421	C	G	0.205765	-0.0008357	0.00993294	0.932954	-0.43032	0.0733357	4.42E-09	0.00194193	0.0230851	0.9329605	0.9725131	8	0.99333365
ENSG00000185627	11	PSMD13	236546	rs6598071	11	219800	C	T	0.728628	-0.0038418	0.00944246	0.684104	-0.834472	0.0688133	7.63E-34	0.00460392	0.0113219	0.6842726	0.808014	20	0.92876095
ENSG00000142102	11	ATHL1	289135	rs1060819	11	295527	C	T	0.747515	-0.0131952	0.00907825	0.146085	0.721108	0.0701206	8.34E-25	-0.0182985	0.0127144	0.1500961	0.01684451	17	0.64835856
ENSG00000251661	11	RP11-326C3.11	318640	rs11246065	11	324170	G	A	0.353877	-0.0084383	0.00927664	0.36302	0.527523	0.0757931	3.40E-12	-0.015996	0.0177348	0.3670811	0.9022531	12	0.81816933
ENSG00000255328	11	RP11-326C3.12	327171	rs6598042	11	324635	A	G	0.419483	0.00660631	0.00809749	0.414588	0.804553	0.0801337	1.02E-23	0.00821116	0.0100978	0.4161227	0.5257605	20	0.83806414
ENSG00000270972	11	RP11-326C3.15	333192	rs6421983	11	320394	T	C	0.451292	0.00676262	0.00813634	0.405881	0.473254	0.0793333	2.44E-09	0.0142896	0.0173584	0.4103884	0.3394239	10	0.83688257
ENSG00000185187	11	SIGIRR	405716	rs35828848	11	403545	T	C	0.217694	-0.007046	0.00975895	0.47029	-0.405806	0.0634441	1.59E-10	0.0173631	0.024201	0.4730961	0.4011446	5	0.85740342
ENSG00000174915	11	PTDSS2	448268	rs116101630	11	506826	C	G	0.0974155	-0.0015535	0.0127571	0.903075	-0.718474	0.0761805	4.05E-21	0.00216226	0.0177573	0.9030831	0.7228432	20	0.98665841
ENSG00000023191	11	RNH1	494512	rs3868122	11	493068	G	A	0.475149	0.00086332	0.00810045	0.915125	-0.427593	0.054663	5.18E-15	-0.002019	0.0189461	0.9151327	0.9672175	20	0.98780912
ENSG00000174775	11	HRAS	532242	rs12628	11	534242	G	A	0.312127	0.0009326	0.00897372	0.917228	-0.286645	0.039657	4.90E-13	-0.0032535	0.0313093	0.9172366	0.7211145	20	0.98780912
ENSG00000161328	11	LRRC56	537527	rs11820122	11	488135	A	G	0.208748	-0.0002758	0.0101852	0.978398	-0.555404	0.0872278	1.92E-10	0.00049656	0.0183385	0.978398	0.1749443	20	0.99743376
ENSG00000070047	11	PHRF1	576486	rs3758650	11	616865	A	G	0.0536779	0.0154382	0.0136085	0.256603	-0.553983	0.0883413	3.59E-10	-0.0278676	0.0249636	0.2642798	0.1608177	8	0.74844633
ENSG00000177030	11	DEAF1	644233	rs7483337	11	680866	G	A	0.298211	0.006074	0.00836802	0.467926	0.320452	0.0484635	3.79E-11	0.0189545	0.02627	0.470587	0.8794174	9	0.85740342
ENSG00000177106	11	EPS8L2	694438	rs11246278	11	706510	G	C	0.168986	-4.67E-05	0.012341	0.996979	1.02015	0.0982067	2.82E-25	-4.58E-05	0.0120972	0.9969785	0.9117052	20	0.99915877
ENSG00000177042	11	TMEM80	695428	rs12277188	11	688091	T	C	0.492048	-0.0030327	0.0080503	0.706379	-0.893761	0.0717184	1.20E-35	0.00339322	0.00901133	0.7065076	0.879145	20	0.93847294
ENSG00000269915	11	AP006621.9	708564	rs7945422	11	695854	T	C	0.17495	-0.0051877	0.0120785	0.667563	0.73206	0.124838	4.52E-09	-0.0070864	0.0165435	0.6683984	0.7774856	12	0.92466627
ENSG00000255284	11	AP006621.5	777578	rs4963156	11	780827	T	C	0.440358	-0.000728	0.0080981	0.928369	0.967726	0.0730575	4.75E-40	-0.0007523	0.00836837	0.9283709	0.2384578	20	0.99191324
ENSG00000255142	11	AP006621.6	781645	rs4963156	11	780827	T	C	0.440358	-0.000728	0.0080981	0.928369	0.856907	0.0826362	3.41E-25	-0.0008496	0.00945074	0.9283719	0.2293982	20	0.99191324
ENSG00000177595	11	PIDD	799179	rs11246314	11	805589	A	G	0.489066	0.0016095	0.00815605	0.843563	0.751609	0.0561801	8.07E-41	0.00214141	0.0108526	0.8435797	0.2946607	20	0.9763578
ENSG00000177666	11	PNPLA2	818902	rs1138693	11	824789	C	T	0.705765	0.0116865	0.00928192	0.208007	-0.503773	0.0557468	1.61E-19	-0.0231979	0.0186028	0.2123918	0.6137026	15	0.71235334
ENSG00000177685	11	EFCAB4A	826144	rs35567200	11	830044	A	G	0.0516899	-0.0087972	0.0207586	0.671723	-0.869422	0.154389	1.79E-08	0.0101184	0.0239438	0.6725948	0.0336187	5	0.92466627
ENSG00000177697	11	CD151	832843	rs7947690	11	833589	G	T	0.664016	-0.014861	0.00940899	0.114234	0.552419	0.0594698	1.56E-20	-0.0269017	0.0172768	0.1194471	0.5761487	11	0.62616883
ENSG00000214063	11	TSPAN4	842808	rs7946756	11	851623	A	T	0.65507	0.00380781	0.00851187	0.65462	-0.397073	0.0591321	1.88E-11	-0.0095897	0.0214841	0.6553347	0.0806304	19	0.92318646
ENSG00000183020	11	AP2A2	924894	rs7394992	11	980690	C	G	0.563618	-0.0034827	0.00805654	0.665537	-0.340335	0.0617781	3.61E-08	0.0102332	0.0237451	0.6664992	0.01046389	3	0.92466627
ENSG00000254872	11	RP13-870H17.3	1049880	rs7396049	11	1001561	A	G	0.569583	0.00579781	0.00807251	0.472623	-0.487198	0.0707032	5.55E-12	-0.0119003	0.016659	0.4750128	0.02813928	9	0.85740342
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.805689	0.0532931	1.23E-51	0.0123529	0.0103427	0.232337	0.7696813	20	0.7275513
ENSG00000241598	11	KRTAP5-4	1642188	rs113447531	11	1622568	G	A	0.121272	0.00209999	0.012906	0.870743	0.799505	0.146495	4.83E-08	0.00262661	0.0161497	0.8708003	0.6344053	14	0.97853418
ENSG00000185940	11	KRTAP5-5	1651033	rs28409827	11	1643551	C	T	0.710736	-0.0139332	0.00866846	0.107978	1.0923	0.0982381	1.02E-28	-0.0127558	0.00801846	0.1116527	0.4510307	20	0.61545125
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.946422	0.0923285	1.18E-24	-0.0005382	0.0115305	0.9627716	0.801161	7	0.99596391
ENSG00000226416	11	MRPL23-AS1	2004467	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-1.00929	0.107442	5.79E-21	-0.0005047	0.0108123	0.9627717	0.8592191	4	0.99596391
ENSG00000232987	11	AC051649.6	2012326	rs61868802	11	1925953	G	A	0.292247	0.00440659	0.00889001	0.62012	0.633846	0.0895537	1.46E-12	0.00695215	0.0140599	0.6209759	0.6138242	3	0.91051849
ENSG00000184281	11	TSSC4	2421718	rs117021869	11	2422034	A	T	0.104374	0.0191971	0.0138882	0.166891	0.947103	0.100053	2.91E-21	0.0202693	0.0148194	0.171389	0.5715563	3	0.67130688
ENSG00000183562	11	AC131971.1	3011093	rs73406362	11	2977633	C	A	0.101392	0.0149674	0.0153431	0.329306	0.927019	0.137941	1.81E-11	0.0161457	0.0167245	0.3343466	0.8490016	13	0.80220905
ENSG00000021762	11	OSBPL5	3108346	rs4285853	11	3233344	T	C	0.73161	-0.0014032	0.00881129	0.873476	0.560204	0.0748227	7.04E-14	-0.0025047	0.0157323	0.8735046	0.3719727	15	0.97917205
ENSG00000005801	11	ZNF195	3360491	rs6578338	11	3385468	A	G	0.791252	0.00636596	0.00989405	0.519956	0.482881	0.0502886	7.83E-22	0.0131833	0.0205356	0.5208905	0.6989048	18	0.87239215
ENSG00000223756	11	TSSC2	3402191	rs10734319	11	3383962	C	T	0.900596	0.00691215	0.0135438	0.609804	-1.15107	0.150632	2.15E-14	-0.006005	0.0117925	0.6105974	0.9364063	7	0.90530044
ENSG00000167325	11	RRM1	4115937	rs10835650	11	4145415	A	G	0.571571	-0.0085022	0.0080546	0.291164	-0.348824	0.0400621	3.12E-18	0.0243739	0.0232598	0.2946849	0.1797146	20	0.77761764
ENSG00000167333	11	TRIM68	4619902	rs2499990	11	5062292	C	T	0.32505	0.00350715	0.00853784	0.681235	-0.606515	0.0820924	1.49E-13	-0.0057825	0.0140986	0.6817005	0.3506373	19	0.9275455
ENSG00000132259	11	CNGA4	6255995	rs77094397	11	6256668	G	A	0.0188867	0.0261372	0.0225678	0.246797	1.92841	0.278126	4.10E-12	0.0135538	0.0118649	0.2533141	0.06861599	3	0.74586579
ENSG00000110148	11	CCKBR	6280966	rs1552515	11	6354524	A	G	0.916501	-0.0366618	0.0149647	0.0142903	-0.472516	0.0847927	2.51E-08	0.0775885	0.0345957	0.02491473	0.9666308	4	0.38644663
ENSG00000170955	11	PRKCDBP	6340176	rs1552514	11	6356217	T	G	0.841948	-0.0274686	0.010996	0.0124876	-0.419248	0.0768347	4.86E-08	0.0655187	0.0288458	0.02312638	0.07937252	6	0.38159045
ENSG00000166311	11	SMPD1	6411655	rs1800606	11	6416959	T	C	0.879722	0.00434524	0.0128839	0.735921	0.451428	0.0596562	3.81E-14	0.00962554	0.0285687	0.7361721	0.3108538	6	0.94491286
ENSG00000175390	11	EIF3F	7991798	rs4559682	11	8015651	C	T	0.276342	0.00969353	0.00887181	0.27456	0.413561	0.0594789	3.57E-12	0.0234392	0.0217155	0.2804202	0.8276431	3	0.76652901
ENSG00000166405	11	RIC3	8127597	rs11607166	11	8168151	C	G	0.219682	-0.0130304	0.00925742	0.15926	0.660921	0.0598867	2.56E-28	-0.0197155	0.0141203	0.1626385	0.2604798	20	0.6608613
ENSG00000130413	11	STK33	8413418	rs11041980	11	8579081	A	T	0.492048	-0.0027052	0.00811931	0.738996	-0.622855	0.0775302	9.46E-16	0.00434324	0.0130468	0.7392127	0.9504086	20	0.9460196
ENSG00000166452	11	AKIP1	8932686	rs2653606	11	8858377	C	T	0.409543	0.0009499	0.00806019	0.906186	0.534258	0.0813213	5.04E-11	0.00177797	0.0150891	0.9062014	0.314497	18	0.98739107
ENSG00000175348	11	TMEM9B	8968841	rs75146099	11	9010134	T	G	0.0586481	0.00521063	0.0144158	0.717761	-0.400488	0.0717157	2.35E-08	-0.0130107	0.0360709	0.7183253	0.6991452	4	0.93968224
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	1.26331	0.113975	1.50E-28	0.00917661	0.00824567	0.2657514	0.5760595	17	0.75050577
ENSG00000133789	11	SWAP70	9685624	rs10840282	11	9685570	C	T	0.956262	-0.0460195	0.0195319	0.0184667	-0.584511	0.100693	6.44E-09	0.0787316	0.0360634	0.02902522	0.09425824	4	0.40979852
ENSG00000177112	11	MRVI1-AS1	10562819	rs1462941	11	10563090	T	G	0.0954274	-0.0038471	0.0149741	0.797244	-0.921295	0.162471	1.42E-08	0.00417574	0.01627	0.7974467	0.4528326	4	0.9628572
ENSG00000255260	11	CTD-3224I3.3	11264735	rs12282401	11	11292864	T	C	0.218688	-0.0074431	0.00967366	0.441644	-0.83376	0.0965366	5.78E-18	0.00892716	0.0116484	0.4434472	0.4333134	16	0.85417294
ENSG00000133816	11	MICAL2	12115543	rs11022131	11	12072213	G	C	0.222664	0.0116637	0.00914708	0.202265	-0.532557	0.0494407	4.69E-27	-0.0219013	0.0172957	0.2054105	0.2532881	6	0.70729121
ENSG00000197702	11	PARVA	12398732	rs11022331	11	12399750	A	G	0.895626	0.00292968	0.0134111	0.827077	-0.877069	0.0956495	4.75E-20	-0.0033403	0.0152952	0.8271253	0.4195	9	0.96886182
ENSG00000254847	11	RP11-51B23.3	12559630	rs11022331	11	12399750	A	G	0.895626	0.00292968	0.0134111	0.827077	-0.756283	0.125109	1.49E-09	-0.0038738	0.0177445	0.8271881	0.7992353	7	0.96886182
ENSG00000251381	11	LINC00958	12984057	rs61878848	11	13010975	G	A	0.227634	-0.0133964	0.0102228	0.190044	-0.578379	0.0939253	7.37E-10	0.023162	0.0180707	0.1999334	0.412036	8	0.70112374
ENSG00000175868	11	CALCB	14926543	rs11023380	11	14930058	G	A	0.474155	-0.0005441	0.00824021	0.947358	-0.557409	0.0877489	2.12E-10	0.00097606	0.0147839	0.9473604	0.488148	4	0.99338916
ENSG00000070081	11	NUCB2	17229700	rs214097	11	17291499	T	G	0.571571	-0.010775	0.00810232	0.183563	-0.425523	0.0523194	4.18E-16	0.0253218	0.0192937	0.1893727	0.8151337	20	0.68926194
ENSG00000006071	11	ABCC8	17414432	rs4148638	11	17422955	A	C	0.313121	0.0157178	0.00865046	0.0692197	0.578531	0.0606697	1.49E-21	0.0271685	0.0152215	0.07428129	0.8901829	20	0.53776146
ENSG00000129167	11	TPH1	18039111	rs2237919	11	17950289	C	G	0.447316	0.00243944	0.00810562	0.763447	0.373623	0.0667945	2.22E-08	0.00652915	0.021726	0.7637791	0.4151702	5	0.95514229
ENSG00000166788	11	SAAL1	18091482	rs907922	11	18133042	A	G	0.580517	-0.000571	0.00820173	0.944493	0.620395	0.0835679	1.14E-13	-0.0009204	0.0132208	0.9444952	0.6114541	18	0.99338916
ENSG00000110756	11	HPS5	18300223	rs7128060	11	18291528	T	G	0.640159	-0.0138082	0.00825503	0.0943865	-0.446605	0.0682043	5.83E-11	0.0309181	0.0190775	0.1050908	0.8416015	11	0.60570888
ENSG00000110768	11	GTF2H1	18343842	rs10766468	11	18321943	T	C	0.536779	-0.0108044	0.00807024	0.180636	0.326958	0.0419725	6.71E-15	-0.0330452	0.0250447	0.1870185	0.8452054	11	0.68664258
ENSG00000166796	11	LDHC	18433854	rs11605386	11	18433720	G	C	0.115308	0.0315272	0.0136316	0.0207339	1.41777	0.123505	1.67E-30	0.0222372	0.00980802	0.02337527	0.9360157	20	0.38159045
ENSG00000166800	11	LDHAL6A	18477371	rs4757666	11	18480499	A	G	0.303181	0.0206672	0.00936134	0.0272634	0.786985	0.0868234	1.26E-19	0.0262612	0.0122429	0.03195206	0.5408726	11	0.42178047
ENSG00000171714	11	ANO5	22214722	rs7935686	11	22243796	G	T	0.794235	0.00878644	0.0102903	0.393187	-0.682572	0.0743947	4.52E-20	-0.0128725	0.0151409	0.3952234	0.1529853	16	0.82770689
ENSG00000198168	11	SVIP	22835345	rs10833823	11	22832056	C	T	0.301193	-0.0158508	0.00867886	0.0677954	-0.342935	0.0555822	6.83E-10	0.046221	0.0263931	0.07990222	0.260287	7	0.55491203
ENSG00000255418	11	RP11-266A24.1	23186446	rs10767019	11	23234911	T	C	0.604374	0.00020123	0.00819199	0.980402	-0.618718	0.100333	6.98E-10	-0.0003252	0.0132404	0.9804025	0.9219396	4	0.99743376
ENSG00000187398	11	LUZP2	24518516	rs76794772	11	25049828	A	T	0.026839	0.00662482	0.0339739	0.845395	1.75691	0.278636	2.87E-10	0.00377072	0.0193465	0.845468	0.7382658	4	0.97638016
ENSG00000169519	11	METTL15	28129795	rs61889026	11	28274803	A	G	0.244533	0.00583272	0.00899348	0.516629	-0.378934	0.0651711	6.08E-09	-0.0153924	0.0238808	0.5192171	0.4766856	8	0.87239215
ENSG00000152219	11	ARL14EP	30344598	rs61886116	11	30315071	T	G	0.328032	-0.0044651	0.00854532	0.601309	-0.647587	0.0514604	2.58E-36	0.00689497	0.013207	0.6016224	0.00956618	20	0.90065642
ENSG00000242353	11	RP4-710M3.1	30389695	rs7941828	11	30430331	T	C	0.353877	0.00609108	0.00872354	0.48503	-0.571689	0.101217	1.62E-08	-0.0106545	0.0153754	0.4883347	0.5669928	4	0.86252211
ENSG00000270903	11	HNRNPA3P9	32613339	rs183235	11	32592714	A	G	0.452286	-0.0135546	0.00807672	0.0933018	0.491275	0.0615968	1.52E-15	-0.0275907	0.0168003	0.1005345	0.1286201	17	0.5994087
ENSG00000176148	11	TCP11L1	33060963	rs4442529	11	33060544	C	T	0.739563	0.00221977	0.00861826	0.796742	0.248358	0.041457	2.09E-09	0.00893778	0.034733	0.7969254	0.4983947	4	0.96268837
ENSG00000213713	11	PIGCP1	33097112	rs7121724	11	33048397	C	T	0.786282	0.00234106	0.00893499	0.793314	0.336238	0.0568398	3.31E-09	0.00696251	0.0265995	0.7935113	0.9986961	5	0.96095628
ENSG00000135372	11	NAT10	34127149	rs2473929	11	34174296	C	T	0.919483	0.00935539	0.012757	0.463341	0.500133	0.075763	4.08E-11	0.0187058	0.0256641	0.4660815	0.9742687	13	0.85740342

ENSG00000149089	11	APIP	34874641	rs3852516	11	34964491	G	A	0.328032	0.00359698	0.00922847	0.696707	1.17795	0.0721682	6.85E-60	0.00305359	0.00783658	0.6967888	0.04753879	20	0.93608415
ENSG00000149084	11	HSD17B12	43577986	rs6485474	11	43868043	A	G	0.67992	-0.0049627	0.00871516	0.569061	0.637797	0.0590573	3.46E-27	-0.007781	0.0136835	0.5695976	0.212178	20	0.8880253
ENSG00000110455	11	ACCS	44087475	rs178505	11	44084849	T	C	0.456262	0.00618176	0.00811163	0.446008	0.531018	0.0700424	3.42E-14	0.0116413	0.0153526	0.4482925	0.6725023	20	0.85417294
ENSG00000151348	11	EXT2	44117099	rs2074038	11	44087989	T	G	0.120278	-0.0112831	0.0145612	0.438414	0.642914	0.108657	3.28E-09	-0.0175499	0.0228421	0.4423007	0.3503782	4	0.85417294
ENSG00000157570	11	TSPAN18	44748015	rs835983	11	44933990	A	G	0.574553	0.00157763	0.00815243	0.846554	-0.706347	0.068439	5.67E-25	-0.0022335	0.0115437	0.8465811	0.2402075	10	0.97701816
ENSG00000019505	11	SYT13	45261852	rs2863179	11	45281309	T	G	0.534791	-0.0178726	0.00804938	0.0263931	-0.357337	0.0541393	4.10E-11	0.0500161	0.0237665	0.03533646	0.2605628	17	0.42923155
ENSG00000254427	11	RP11-430H10.1	45376922	rs1868910	11	45389464	T	C	0.333002	-0.0205123	0.00864572	0.0176661	0.557364	0.0801472	3.54E-12	-0.0368023	0.0163897	0.02473881	0.145531	9	0.38644663
ENSG00000254651	11	RP11-430H10.3	45420998	rs970179	11	45433845	G	A	0.518887	-0.0293212	0.0081135	0.00030166	0.720627	0.0756466	1.63E-21	-0.0406885	0.0120419	0.00072774	0.01100355	20	0.16825689
ENSG00000205106	11	CTD-2210P24.4	45792983	rs2292912	11	45877688	G	C	0.747515	-0.0182157	0.00923272	0.0485009	-0.638128	0.110461	7.61E-09	0.0285455	0.015289	0.06189208	0.05927271	8	0.50814002
ENSG00000180210	11	F2	46740730	rs57804402	11	46729872	C	T	0.291252	-0.0097943	0.00844639	0.246217	-0.546382	0.0776811	2.01E-12	0.0179258	0.0156674	0.2525652	0.4759782	8	0.74586579
ENSG00000165912	11	PACSIN3	47199076	rs12578030	11	47234601	G	A	0.0994036	0.00914111	0.0157974	0.562828	0.767817	0.0967527	2.09E-15	0.0119053	0.0206291	0.5638622	0.2601588	20	0.88385716
ENSG00000243802	11	RP11-390K5.1	47212732	rs326222	11	47259668	C	T	0.697813	-0.0112572	0.00821465	0.170569	-0.604467	0.105288	9.41E-09	0.0186233	0.0139717	0.1825535	0.5544134	3	0.67900374
ENSG00000134575	11	ACP2	47260853	rs830085	11	47251199	A	G	0.699801	-0.011181	0.0082198	0.173751	0.388353	0.0450685	6.88E-18	-0.0287908	0.0214279	0.1790732	0.1249302	14	0.67831927
ENSG00000110514	11	MADD	47290712	rs830083	11	47254051	C	G	0.845924	0.0026175	0.00924294	0.777032	0.384716	0.0457507	4.14E-17	0.00680372	0.024039	0.7771549	0.00661684	17	0.95809192
ENSG00000255197	11	RP11-750H9.5	47404699	rs4434960	11	47454551	T	A	0.373757	0.0270384	0.00878739	0.00209127	-0.374352	0.0651613	9.19E-09	-0.0722272	0.0266284	0.00667946	0.2206917	14	0.2675694
ENSG00000165915	11	SLC39A13	47428683	rs7126378	11	47585348	T	G	0.409543	0.0384028	0.00841183	4.99E-06	-0.223361	0.0350574	1.87E-10	-0.171932	0.0463304	0.00020645	0.7155758	12	0.12238708
ENSG00000165916	11	PSMC3	47440320	rs3740689	11	47380593	A	G	0.574553	0.00379993	0.00807067	0.637761	0.279478	0.0438959	1.93E-10	0.0135965	0.0289565	0.6386766	0.01906444	7	0.91799509
ENSG00000196666	11	FAM180B	47608198	rs1057233	11	47376448	A	G	0.680915	0.0229505	0.00863776	0.00788388	-0.453839	0.0752435	1.62E-09	-0.0505697	0.0207975	0.01503521	0.2121495	13	0.34725322
ENSG00000172247	11	C1QTNF4	47611216	rs7928842	11	47566352	C	T	0.422465	-0.022939	0.00824437	0.0053961	-0.327123	0.0557818	4.51E-09	0.0701235	0.0278955	0.0119441	0.5453919	3	0.32568321
ENSG00000109919	11	MTCH2	47638867	rs7120413	11	47441335	G	A	0.32505	-0.0016648	0.00867272	0.847776	0.249323	0.0438205	1.27E-08	-0.0066772	0.0348049	0.8478613	0.00058335	7	0.97715336
ENSG00000149136	11	SSRP1	57093459	rs7106462	11	57100351	A	G	0.141153	-0.0121974	0.0111683	0.274769	-0.451853	0.0631475	8.34E-13	0.0269942	0.0250029	0.2803018	0.3327816	17	0.76652901
ENSG00000134802	11	SLC43A3	57174427	rs2511982	11	57209367	C	T	0.785288	0.00497849	0.0092286	0.589568	-0.599588	0.0788466	2.86E-14	-0.0083032	0.0154302	0.5905005	0.9440923	13	0.89579086
ENSG00000186907	11	RTN4RL2	57228022	rs2581928	11	57202790	G	A	0.762425	0.0066861	0.00892421	0.453732	-0.762756	0.0862533	9.30E-19	-0.0087657	0.0117419	0.4553444	0.8373216	20	0.85417294
ENSG00000149150	11	SLC43A1	57252007	rs11828218	11	57196223	G	C	0.240557	-0.0063781	0.00891177	0.474181	0.599358	0.0853774	2.22E-12	-0.0106415	0.0149459	0.4764634	0.6870107	20	0.85740342
ENSG00000134809	11	TIMM10	57295936	rs12223229	11	57313469	G	C	0.441352	-0.0010673	0.00808189	0.894934	0.381478	0.0587747	8.55E-11	-0.0027979	0.0211901	0.894955	0.2334627	7	0.98597578
ENSG00000214872	11	SMTNL1	57308979	rs2729382	11	57309933	T	C	0.441352	-0.0011077	0.00808206	0.890987	0.853548	0.0756333	1.55E-29	-0.0012978	0.00946948	0.890995	0.2436229	20	0.98547338
ENSG00000156603	11	MED19	57471186	rs656227	11	57600559	T	C	0.252485	-0.0177023	0.00868414	0.041504	0.697507	0.10882	1.46E-10	-0.0253794	0.0130647	0.05206556	0.377226	5	0.49118402
ENSG00000149506	11	ZP1	60635035	rs550997	11	60710089	T	C	0.421471	0.00901289	0.00819151	0.271214	-0.538601	0.0823783	6.23E-11	-0.0167339	0.0154227	0.2779147	0.256346	12	0.76430333
ENSG00000013725	11	CD6	60739115	rs2074227	11	60776781	C	T	0.357853	-0.0147868	0.0093533	0.113896	-0.967613	0.0876211	2.37E-28	0.0152817	0.00976491	0.1175916	0.2533488	20	0.62201391
ENSG00000110448	11	CD5	60869867	rs10792302	11	60896165	C	T	0.658052	-0.0095581	0.00860123	0.266463	-0.956373	0.0872279	5.69E-28	0.00999408	0.00903967	0.2689081	0.6831889	20	0.75645409
ENSG00000011347	11	SYT7	61282785	rs2924447	11	61263673	G	A	0.868787	0.0282834	0.0137975	0.0403757	-0.418712	0.0652452	1.39E-10	-0.0675486	0.0345925	0.05085571	0.03073002	19	0.48645851
ENSG00000134780	11	DAGLA	61447905	rs11604261	11	61479205	A	G	0.055666	0.022049	0.0170097	0.194887	0.963017	0.0854407	1.82E-29	0.0228958	0.0177794	0.1978254	0.7121476	8	0.70012354
ENSG00000149485	11	FADS1	61567099	rs174561	11	61582708	C	T	0.303181	0.024811	0.00824121	0.00260723	-0.879974	0.0737205	7.63E-33	-0.0281952	0.00965857	0.00350949	0.1385794	20	0.23296373
ENSG00000221968	11	FADS3	61640991	rs174561	11	61582708	C	T	0.303181	0.024811	0.00824121	0.00260723	-0.397758	0.059173	1.79E-11	-0.0623771	0.0227023	0.00600311	0.04692461	10	0.26570111
ENSG00000162174	11	ASRGL1	62104920	rs11231061	11	62143941	C	T	0.117296	-0.0003413	0.015252	0.98215	0.673378	0.0896992	6.05E-14	-0.0005068	0.0226501	0.9821495	0.827873	8	0.99756656
ENSG00000149541	11	B3GAT3	62382768	rs3923805	11	62380425	T	G	0.249503	-0.0076724	0.0100221	0.443948	0.284852	0.0461734	6.86E-10	-0.0269346	0.0354534	0.4474225	0.7561176	5	0.85417294
ENSG00000162194	11	C11orf48	62430287	rs597259	11	62430659	A	T	0.729622	0.0125788	0.00962523	0.191262	-0.917999	0.0780123	5.75E-32	-0.0137024	0.0105495	0.193988	0.5624405	20	0.6955129
ENSG00000162222	11	TTC9C	62495541	rs7929194	11	62512750	G	A	0.193837	-0.0164585	0.0115073	0.152639	0.599888	0.0884051	1.16E-11	-0.027436	0.0196039	0.1616584	0.6847405	4	0.65985425
ENSG00000133316	11	WDR74	62599814	rs79038366	11	62615655	A	G	0.0437376	-0.004539	0.0161238	0.778321	0.628515	0.104936	2.10E-09	-0.0072218	0.0256821	0.7785578	0.5501756	6	0.95885238
ENSG00000176485	11	PLA2G16	63340667	rs3809072	11	63381976	A	C	0.537773	0.00044917	0.00826836	0.956678	-0.359078	0.0377654	1.94E-21	-0.0012509	0.023027	0.9566783	0.3696656	13	0.99568877
ENSG00000149743	11	TRPT1	63991271	rs11549691	11	63993287	T	C	0.0636183	0.00146154	0.0182843	0.93629	-0.572507	0.0954222	1.98E-09	-0.0025529	0.0319401	0.9362953	0.7795052	6	0.99333365
ENSG00000173457	11	PPP1R14B	64011956	rs694739	11	64097233	G	A	0.380716	-0.0138403	0.00816081	0.0898959	-0.2757	0.0502425	4.08E-08	0.0502006	0.0309818	0.1051625	0.6963948	5	0.60570888
ENSG00000219435	11	TEX40	64067863	rs66968227	11	64070930	C	T	0.16004	0.0140313	0.0110267	0.203203	-0.967286	0.0985602	9.78E-23	-0.0145058	0.011495	0.2069772	0.2510124	20	0.70737089
ENSG00000236935	11	AP003774.1	64092522	rs10792429	11	64106727	C	T	0.154076	6.59E-05	0.0111569	0.995287	-0.814281	0.0879025	1.98E-20	-8.09E-05	0.0137015	0.9952871	0.386439	20	0.99906546
ENSG00000168071	11	CCDC88B	64107695	rs479552	11	64110683	C	G	0.371769	-0.0134796	0.00819479	0.0999908	-1.00935	0.0725926	5.96E-44	0.0133547	0.00817549	0.1023622	0.7933745	20	0.60248939
ENSG00000068976	11	PYGM	64513861	rs496914	11	64487394	T	C	0.912525	-0.00328	0.0130721	0.801883	0.523725	0.0809798	9.97E-11	-0.0062627	0.0249786	0.8020278	0.9261191	16	0.96400146
ENSG00000133895	11	MEN1	64570982	rs7938455	11	64524781	T	C	0.0755467	0.00488442	0.0131625	0.710573	0.442064	0.0760189	6.06E-09	0.0110491	0.0298357	0.7111346	0.980708	15	0.93968224
ENSG00000171219	11	CDC42BPG	64590859	rs35654492	11	64610684	G	A	0.256461	-0.0209805	0.010431	0.0442864	-0.364537	0.048347	4.70E-14	0.0575538	0.029615	0.05196755	0.07834606	6	0.49118402
ENSG00000255200	11	AP003068.18	64941588	rs6591178	11	64944965	A	G	0.303181	-0.0124241	0.00885779	0.160729	-0.783156	0.0817645	9.88E-22	0.0158641	0.011431	0.1651928	0.02409319	20	0.66300709
ENSG00000254614	11	AP003068.23	64945077	rs12800339	11	64947240	C	T	0.305169	-0.0124999	0.00885591	0.158103	-0.994442	0.0846699	7.50E-32	0.0125698	0.00896948	0.1610969	0.0155007	20	0.65939472
ENSG00000197847	11	SLC22A20	64981311	rs12420456	11	64981837	T	C	0.362823	-0.0104059	0.00857849	0.225122	0.578983	0.0680821	1.83E-17	-0.0179727	0.0149664	0.2298026	0.00255751	20	0.7275513
ENSG00000014138	11	POLA2	65029233	rs12794623	11	65029437	A	C	0.0984095	-0.0334927	0.0103196	0.0011723	0.596138	0.0899395	3.40E-11	-0.0561828	0.0192746	0.00355846	0.7488094	4	0.23296373
ENSG00000245532	11	NEAT1	65190245	rs512715	11	65191208	G	C	0.757455	-0.0026399	0.0109225	0.809015	-0.729035	0.0705877	5.26E-25	0.00362112	0.0149862	0.8090673	0.1443468	19	0.96594546
ENSG00000173327	11	MAP3K11	65365226	rs11227241	11	65389890	C	G	0.43837	-0.0005698	0.00812086	0.944059	0.270415	0.0444439	1.17E-09	-0.0021073	0.0300331	0.944063	0.5297029	9	0.99338916
ENSG00000197136	11	PCNXL3	65383244	rs4645927	11	65482827	T	C	0.355865	-0.0002644	0.00813018	0.974056	0.348661	0.0488015	9.03E-13	-0.0007584	0.0233185	0.9740559	0.7353967	19	0.99743145
ENSG00000172922	11	RNASEH2C	65482367	rs12794436	11	65446187	C	T	0.127237	-0.0172228	0.0133202	0.196018	0.437338	0.0741903	3.75E-09	-0.039381	0.0311815	0.2066038	0.5362476	13	0.70730227
ENSG00000214659	11	KRT8P26	65494410	rs67995174	11	65547889	G	C	0.209742	-0.0105587	0.0112658	0.348637	-0.805229	0.0791985	2.78E-24	0.0131127	0.0140501	0.3506765	0.6921653	20	0.81376292
ENSG00000172818	11	OVOL1	65554493	rs948493	11	65552154	T	C	0.347913	0.0008888	0.00813554	0.913005	0.740345	0.0881029	4.35E-17	0.00120053	0.0109898	0.9130119	0.9164867	20	0.98753784
ENSG00000172803	11	SNX32	65601112	rs17854357	11	65601560	C	G	0.161034	0.0109134	0.012092	0.366773	1.31778	0.0990974	2.38E-40	0.00828166	0.00919715	0.367876	0.6806274	20	0.81816933
ENSG00000172638	11	EFEMP2	65633912	rs570387	11	65637076	C	T	0.505964	0.00116979	0.00812712	0.885551	-0.574012	0.053655	1.04E-26	-0.0020379	0.0141597	0.8855608	0.6023973	20	0.98384971
ENSG00000175315	11	CST6	65779312	rs1131544	11	65779590	T	C	0.162028	-0.007922	0.0119336	0.506791	0.916427	0.108179	2.42E-17	-0.0086444	0.0130618	0.5080923	0.6292415	8	0.86831771
ENSG00000087365	11	SF3B2	65818200	rs491618	11	65825951	A	T	0.27336	0.00170095	0.00865333	0.844167	-0.852667	0.0604936	4.07E-45	-0.0019949	0.0101495	0.8441822	0.06250706	20	0.97638016
ENSG00000255320	11	RP11-755F10.1	66012311	rs10791862	11	66013664	C	T	0.173956	-0.0297113	0.0105702	0.00494094	1.17989	0.105673	6.02E-29	-0.0251814	0.00923815	0.00641445	0.1567552	20	0.26570111
ENSG00000255468	11	RP11-867G23.8	66115421	rs10896118	11	66163547	A	G	0.333002	-0.0140771	0.00885622	0.111945	0.705566	0.0698783	5.69E-24	-0.0199515	0.0127065	0.1163736	0.8405274	20	0.61826457
ENSG00000254510	11	RP11-867G23.10	66176629	rs2282530	11	66177952	T	C	0.337972	-0.0150746	0.00884164	0.0882023	0.583347	0.0663688	1.50E-18	-0.0258416	0.0154393	0.09417842	0.2016304	20	0.58914688
ENSG00000174165	11	ZDHHC24	66288108	rs3737525	11	66306355	G	A	0.241551	0.00052002	0.00833115	0.95023	-0.505673	0.088472	1.09E-08	-0.0010284	0.0164764	0.9502326	0.07676556	5	0.99338916
ENSG00000250105	11	CTD-3074O7.2	66326337	rs2000939	11	66325830	G	A	0.549702	-0.0045245	0.00838989	0.589696	-0.763118	0.0802595	1.94E-21	0.00592893	0.0110119	0.5902932	0.08267425	20	0.89574594
ENSG00000174080	11	CTSF	66330934	rs74933537	11	66274958	C	A	0.246521	0.00011756	0.0083359	0.988748	0.377429	0.0498975	3.91E-14	0.00031148	0.022086	0.9887479	0.1884324	13	0.9989377
ENSG00000173715	11	C11orf80	66511922	rs55853079	11	66277969	T	C	0.300199	-0.0098685	0.00981283	0.314573	-0.477544	0.0665831	7.38E-13	0.0206651	0.0207496	0.3192836	0.2161638	16	0.79066347
ENSG00000173621	11	LRFN4	66624118	rs10791895	11	66688100	A	G	0.327038	-0.0189158	0.00844517	0.0251021	-0.266807	0.0470702	1.44E-08	0.0708969	0.0340344	0.03724217	0.4107623	4	0.4376172
ENSG00000173156	11	RHOD	66824289	rs58876856	11	66825559	C	T	0.0755467	0.0127217	0.0161549	0.431	-0.880042	0.140111	3.36E-10	-0.0144558	0.0185007	0.4345877	0.5784008	7	0.84994095
ENSG00000172830	11	SSH3	67070919	rs4244821	11	67065137	C	T	0.964215	-0.0038177	0.0191025	0.841596	1.10003	0.106256	4.07E-25	-0.0034705	0.0173687	0.8416252	0.5320426	12	0.97564033
ENSG00000172725	11	CORO1B	67205519	rs1808279	11	67211569	C	T	0.423459	0.00381574	0.00832403	0.646664	-0.408316	0.0479024	1.54E-17	-0.0093451	0.0204157	0.6471399	0.4479907	19	0.92231615
ENSG00000084207	11	GSTP1	67351066	rs1254123	11	67334812	C	T	0.498012	-0.0152871	0.00806241	0.0579469	0.293237	0.0383153	1.96E-14	-0.0521322	0.0283258	0.06570173	0.01890802	16	0.51190482
ENSG00000167792	11	NDUFV1	67374323	rs4148959	11	67381110	C	A	0.424453	0.0214883	0.00815218	0.00839151	0.274791	0.0346144	2.04E-15	0.0781987	0.0312594	0.01236322	0.00631816	11	0.33327803
ENSG00000231793	11	DOC2GP	67380124	rs10791908	11	67392813	C	T	0.571571	-0.0209107	0.0081526	0.0103205	0.702405	0.0649109	2.74E-27	-0.0297701	0.0119283	0.01256876	0.01923482	20	0.33523343
ENSG00000255306	11	RP5-901A4.1	67792277	rs3133268	11	67796801	C	G	0.2167	-0.0173834	0.0117012	0.137381	0.878756	0.110074	1.42E-15	-0.0197818	0.0135442	0.144143	0.6621175	11	0.64189476
ENSG00000110717	11	NDUFS8	67798084	rs2075609	11	67816936	G	A	0.259443	-0.0205932	0.00979276	0.035474	-0.257208	0.0447477	9.03E-09	0.0800644	0.0405413	0.04828138	0.04219078	6	0.48070399
ENSG00000069482	11	GAL	68451247	rs3018712	11	68522053	A	G	0.153082	0.040432	0.0166924	0.0154277	0.671279	0.117704	1.18E-08	0.0602313	0.0270164	0.02578478	0.2477732	5	0.39150927
ENSG00000197345	11	MRPL21	68658744	rs636049	11	68667198	C	A	0.300199	-0.0081456	0.0083271	0.327976	-1.0969	0.0616059	6.45E-71	0.00742598	0.00760293	0.3287048	0.5219597	20	0.79786027
ENSG00000132740	11	IGHMBP2	68671310	rs11828194	11	68725642	T	C	0.265408	-0.0004586	0.0116901	0.968706	-0.559053	0.0583256	9.24E-22	0.00082034	0.0209107	0.9687066	0.3503193	20	0.99660087
ENSG00000172938	11	MRGPRD	68747490	rs11601763	11	68775717	T	C	0.26839	-0.0156469	0.00901686	0.0826894	-0.877676	0.0739121	1.60E-32	0.0178276	0.0103827	0.08596889	0.3399484	20	0.56947329
ENSG00000261625	11	RP11-554A11.4	68768233	rs11601763	11	68775717	T	C	0.26839	-0.0156469	0.00901686	0.0826894	-0.91763	0.0724293	8.75E-37	0.0170514	0.00991799	0.08557034	0.3634439	20	0.56757906
ENSG00000256508	11	RP11-554A11.6	68779751	rs11602122	11	68781070	A	G	0.264414	-0.0126266	0.00903294	0.162162	0.502123	0.067681	1.18E-13	-0.0251464	0.018306	0.1695443	0.2964445	20	0.66849493
ENSG00000162341	11	TPCN2	68816365	rs12796066	11	68918556	C	T	0.354871	0.00266683	0.00863259	0.757379	0.366435	0.0640806	1.08E-08	0.00727777	0.0235927	0.7577202	0.8595404	5	0.95333399
ENSG00000172927	11	MYEOV	69061605	rs7128814	11	68953054	A	G	0.583499	-0.0005995	0.00813399	0.94125	-0.522317	0.0798288	6.03E-11	0.00114771	0.0155739	0.9412533	0.1829344	17	0.99338916
ENSG00000186895	11	FGF3	69624992	rs4631909	11	69614847	C	T	0.460239	0.00926646	0.00807882	0.251379	-0.574023	0.0796225	5.62E-13	-0.016143	0.0142511	0.2573153	0.312231	18	0.74586579
ENSG00000131626	11	PPFIA1	70116806	rs1788974	11	70106622	C	A	0.350895	0.00186609	0.008231	0.820645	-0.762794	0.0633152	2.00E-33	-0.0024464	0.0107925	0.8206767	0.00259697	16	0.96842597
ENSG00000085733	11	CTTN	70244510	rs7944627	11	70257019	C	A	0.238569	-0.0248807	0.00981961	0.0112839	0.43647	0.0602174	4.22E-13	-0.0570044	0.0238328	0.01676389	0.02389281	8	0.35094177
ENSG00000254682	11	RP11-660L16.2	71159720	rs11233747	11	71171642	A	G	0.700795	0.00740373	0.00824541	0.369227	1.02098	0.0671835	3.71E-52	0.00725159	0.00809006	0.3700615	0.3387272	20	0.81816933
ENSG00000254997	11	KRTAP5-9	71259466	rs9651754	11	71279222	A	T	0.469185	0.00366289	0.00815696	0.653395	-0.541941	0.0826664	5.54E-11	-0.0067588	0.0150866	0.6541524	0.9912081	8	0.92291695
ENSG00000158483	11	FAM86C1	71498556	rs10898583	11	71495700	G	A	0.568588	-0.0044408	0.00844416	0.598957	-0.591796	0.0632451	8.19E-21	0.00750392	0.0142912	0.5995331	0.5683939	20	0.89978219
ENSG00000186642	11	PDE2A	72287185	rs117465572	11	72354025	A	G	0.0656064	0.00436135	0.0170936	0.798611	1.05987	0.119306	6.47E-19	0.00411499	0.0161347	0.7986922	0.5267147	20	0.96314117
ENSG00000186635	11	ARAP1	72396114	rs7110801	11	72441431	C	T	0.590457	0.00297997	0.00844851	0.724298	-0.281473	0.0430861	6.46E-11	-0.0105871	0.0300591	0.724682	0.4993638	20	0.94070655
ENSG00000214530	11	STARD10	72465774	rs35343925	11	72523349	A	T	0.45328	0.0109025	0.00809633	0.178108	0.25861	0.0397465	7.69E-11	0.0421581	0.0319706	0.1872852	0.03954848	13	0.68712132
ENSG00000175581	11	MRPL48	73498361	rs7125433	11	73500926	T	G	0.186879	0.0229282	0.00968291	0.0178896	0.513708	0.0714061	6.28E-13	0.0446327	0.0198438	0.02449958	0.1551056	13	0.38644663
ENSG00000175575	11	PAAF1	73587744	rs60863026	11	73633779	A	G	0.0815109	-0.0106365	0.0179451	0.553365	-0.544751	0.0884373	7.29E-10	0.0195254	0.033094	0.5551911	0.06623912	8	0.88231978
ENSG00000168014	11	C2CD3	73723763	rs12574556	11	73813164	C	A	0.173956	0.0090314	0.00863232	0.295455	0.482263	0.0764759	2.86E-10	0.0187271	0.0181443	0.3020148	0.5498007	9	0.77863838
ENSG00000214517	11	PPME1	73882144	rs7101966	11	74107751	A	G	0.753479	-0.0257729	0.0083278	0.00196947	0.362145	0.0545135	3.07E-11	-0.0711673	0.0253687	0.00502657	0.1200469	15	0.26394718
ENSG00000149380	11	P4HA3	73946846	rs10898977	11	74022163	G	A	0.523857	0.00671858	0.0083005	0.418274	-0.457605	0.0804671	1.29E-08	-0.0146821	0.0183218	0.4229334	0.3956666	8	0.84402505
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.37402	0.0771358	5.60E-71	0.00068738	0.0062319	0.9121713	0.5298189	20	0.98753784
ENSG00000241170	11	RP11-147I3.1	74587331	rs10160410	11	74582131	C	T	0.319085	0.00295535	0.00841605	0.725471	-0.789839	0.0743321	2.26E-26	-0.0037417	0.0106612	0.7256147	0.6685337	20	0.94070655
ENSG00000149273	11	RPS3	75110530	rs35378921	11	75118589	A	C	0.0656064	0.0175381	0.0125672	0.162853	-0.712737	0.0950252	6.36E-14	-0.0246067	0.0179349	0.1700636	0.5064232	6	0.66973207
ENSG00000255135	11	RP11-111M22.3	76152382	rs113130900	11	76152515	T	C	0.0457256	0.0113897	0.0176949	0.519788	-1.16792	0.157767	1.33E-13	-0.0097521	0.0152079	0.521359	0.4780846	4	0.87239215
ENSG00000182704	11	TSKU	76493295	rs10899280	11	76496737	C	T	0.246521	-0.0058301	0.00969963	0.547797	-0.464847	0.0738162	3.03E-10	0.012542	0.0209611	0.5496105	0.9285898	6	0.88133611
ENSG00000261578	11	RP11-21L23.2	76511408	rs1149605	11	76485216	C	T	0.150099	0.00974896	0.0108389	0.368416	0.804672	0.0959256	4.92E-17	0.0121154	0.0135472	0.371153	0.8504779	11	0.81881062
ENSG00000254459	11	RP11-91P24.7	77540700	rs112830393	11	77470586	T	A	0.0974155	-0.0033974	0.0101561	0.737989	-0.883335	0.154804	1.16E-08	0.00384612	0.0115172	0.7384205	0.9454327	9	0.94584644
ENSG00000254675	11	RP11-7I15.4	77733979	rs12790412	11	77739228	C	G	0.390656	0.0223214	0.00829224	0.00710575	-1.00826	0.067736	4.12E-50	-0.0221385	0.00835771	0.00807598	0.2171704	20	0.28918841
ENSG00000151365	11	THRSP	77774907	rs1111946	11	77837986	T	C	0.630219	0.0160011	0.00845668	0.058475	0.638619	0.0722298	9.45E-19	0.0250558	0.013542	0.06428024	0.07468424	13	0.50845953
ENSG00000151366	11	NDUFC2	77779350	rs643430	11	77865010	G	A	0.357853	-0.0173884	0.00841989	0.0389081	-0.603133	0.0620697	2.55E-22	0.0288301	0.0142721	0.04337924	0.1354372	20	0.46194504
ENSG00000159063	11	ALG8	77811982	rs682742	11	77843259	T	C	0.630219	0.016001	0.00845668	0.0584763	0.713439	0.0655486	1.37E-27	0.022428	0.0120312	0.06229992	0.07877771	20	0.50845953
ENSG00000246174	11	KCTD21-AS1	77850817	rs7101694	11	77853896	T	C	0.464215	0.0142124	0.00807694	0.0784711	-0.892375	0.0682871	5.02E-39	-0.0159265	0.00913274	0.08117853	0.1479013	20	0.55828236
ENSG00000188997	11	KCTD21	77882295	rs11237379	11	77785957	C	T	0.45328	0.0147156	0.00807115	0.0682669	0.813603	0.0611089	1.92E-40	0.018087	0.0100128	0.07085965	0.1509679	20	0.52694577
ENSG00000118369	11	USP35	77899858	rs1055248	11	77925573	C	T	0.191849	0.0225125	0.0101643	0.0267695	0.647608	0.0935123	4.35E-12	0.0347625	0.0164783	0.03489304	0.2986027	20	0.42486912
ENSG00000251323	11	RP11-452H21.4	78135028	rs12271893	11	77941165	C	T	0.0596421	0.0265103	0.0161723	0.101164	1.15016	0.196997	5.27E-09	0.0230492	0.0146046	0.114516	0.5515436	12	0.61794187
ENSG00000137513	11	NARS2	78147007	rs10793337	11	78285875	T	A	0.767396	-0.0031873	0.00890594	0.720427	0.620986	0.066497	9.77E-21	-0.0051327	0.0143521	0.7206244	0.04530164	18	0.94000124
ENSG00000165490	11	C11orf82	82611017	rs3763814	11	82612842	G	C	0.447316	-0.0015043	0.00809561	0.852586	-0.469545	0.0852467	3.63E-08	0.0032038	0.0172512	0.8526684	0.2237708	6	0.97754318
ENSG00000246067	11	RAB30-AS1	82783108	rs3763812	11	82783814	T	C	0.0815109	0.0107895	0.0138629	0.436392	-0.79586	0.118801	2.10E-11	-0.013557	0.0175359	0.439463	0.8149641	4	0.85341858
ENSG00000137494	11	ANKRD42	82904781	rs543806	11	82994954	A	G	0.404573	-0.0022423	0.00822782	0.785221	0.599397	0.0614203	1.69E-22	-0.0037408	0.0137322	0.7853034	0.2445578	20	0.9600829
ENSG00000137500	11	CCDC90B	82970139	rs601425	11	82969562	A	G	0.405567	-0.0020788	0.00822736	0.800523	-0.44639	0.0509966	2.07E-18	0.00465694	0.0184386	0.8006043	0.1649998	20	0.96362127
ENSG00000074266	11	EED	85955586	rs1874694	11	85939947	T	C	0.427435	0.0121356	0.00813252	0.135637	-0.553939	0.0667458	1.05E-16	-0.0219078	0.0149167	0.1419198	0.01015612	20	0.63982352
ENSG00000181333	11	HEPHL1	93754527	rs1138800	11	93862493	C	A	0.620278	-0.0129545	0.00856774	0.130533	0.870785	0.0949838	4.83E-20	-0.0148768	0.00997202	0.1357371	0.6810317	12	0.63721248
ENSG00000110218	11	PANX1	93862094	rs4753126	11	93862020	T	C	0.518887	-0.011507	0.00814837	0.157894	0.449821	0.0684584	5.01E-11	-0.0255813	0.0185283	0.1673844	0.610633	10	0.66492101
ENSG00000123901	11	GPR83	94110477	rs4753549	11	93933778	A	G	0.833002	-0.0122507	0.0111427	0.271578	-1.22659	0.106275	8.14E-31	0.00998761	0.00912541	0.2737433	0.6280783	20	0.76197679
ENSG00000020922	11	MRE11A	94152895	rs659349	11	94217656	C	T	0.425447	-0.0070017	0.00815902	0.390808	0.717805	0.0515715	4.88E-44	-0.0097543	0.0113882	0.3917071	0.392632	20	0.82515482
ENSG00000255893	11	RP11-685N10.1	94206074	rs680695	11	94212154	G	A	0.33499	-0.009451	0.00848404	0.265291	1.14971	0.0967148	1.37E-32	-0.0082203	0.00741162	0.2673816	0.4586442	20	0.75300036
ENSG00000150316	11	CWC15	94695787	rs7108983	11	94691173	C	T	0.850895	-0.005357	0.0126902	0.672924	0.453565	0.0717799	2.64E-10	-0.0118109	0.0280412	0.67361	0.4862783	8	0.92494762
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	1.09604	0.0763261	9.23E-47	0.0100419	0.0111222	0.3665977	0.9796875	20	0.81816933
ENSG00000110318	11	KIAA1377	101785746	rs2282612	11	101785248	A	G	0.409543	0.00921501	0.00856263	0.281843	-0.353704	0.0609861	6.64E-09	-0.0260529	0.0246217	0.2899976	0.4875474	4	0.77388729
ENSG00000256422	11	RP11-886D15.1	104316596	rs10895708	11	104465708	A	T	0.225646	0.0115516	0.00877065	0.187814	0.371287	0.0519135	8.55E-13	0.0311123	0.0240195	0.1952187	0.5140353	20	0.69727012
ENSG00000204397	11	CARD16	104912053	rs1942521	11	104479262	G	A	0.224652	0.0115259	0.00876971	0.188752	0.475669	0.0788628	1.62E-09	0.0242309	0.0188692	0.1990885	0.4588458	11	0.70012354
ENSG00000261098	11	RP11-819C21.1	107182858	rs630693	11	107197606	C	G	0.298211	0.00977827	0.0092992	0.293021	0.330905	0.0521827	2.28E-10	0.0295501	0.0284861	0.2995717	0.6035365	10	0.77863838
ENSG00000152404	11	CWF19L2	107197071	rs11824931	11	107134501	A	G	0.253479	0.0119727	0.00978536	0.22113	-0.514877	0.0706541	3.16E-13	-0.0232535	0.0192713	0.2275699	0.1362479	20	0.7275513
ENSG00000170290	11	SLN	107578104	rs3824938	11	107585157	T	C	0.329026	-0.0059551	0.00931776	0.522748	0.478369	0.0835908	1.05E-08	-0.0124488	0.0195993	0.5253193	0.7952928	9	0.87483799
ENSG00000110660	11	SLC35F2	107661717	rs4754264	11	107722540	A	C	0.444334	0.0199631	0.00809736	0.0136864	0.415212	0.0715828	6.61E-09	0.0480793	0.0211902	0.02327189	0.05677507	6	0.38159045
ENSG00000137714	11	FDX1	110300607	rs4754450	11	110297048	C	T	0.410537	-0.0046001	0.00811206	0.570666	0.436998	0.0633767	5.38E-12	-0.0105266	0.0186258	0.5719633	0.3700193	11	0.89010135
ENSG00000137713	11	PPP2R1B	111597632	rs10789848	11	111670059	C	T	0.62326	0.0129746	0.00831715	0.118763	-0.363365	0.065504	2.90E-08	-0.0357068	0.0237771	0.1331669	0.5159492	5	0.63721248
ENSG00000197580	11	BCO2	112046190	rs10891343	11	112080384	C	T	0.512922	-0.0016846	0.0081103	0.83545	-0.519471	0.0836068	5.19E-10	0.00324299	0.0156213	0.8355412	0.1667324	10	0.97273977
ENSG00000149292	11	TTC12	113185251	rs3897583	11	113160199	T	C	0.666004	-0.0098492	0.00859145	0.251631	-0.77502	0.0765838	4.51E-24	0.0127083	0.0111564	0.2546568	0.4675762	20	0.74586579
ENSG00000270179	11	RP11-159N11.4	113239200	rs869549	11	113195611	G	A	0.492048	-0.0106692	0.00813974	0.189939	-0.543251	0.089518	1.29E-09	0.0196395	0.0153289	0.2001199	0.4894809	8	0.70112374
ENSG00000170209	11	ANKK1	113258513	rs6589371	11	113192797	T	C	0.134195	-0.018913	0.0137542	0.169112	0.937808	0.121856	1.40E-14	-0.0201672	0.0148986	0.1758532	0.5247888	3	0.67151653
ENSG00000166682	11	TMPRSS5	113558272	rs3914060	11	113586757	C	T	0.303181	0.00285334	0.00860487	0.740195	0.477991	0.0715289	2.35E-11	0.00596944	0.0180243	0.7405021	0.3570555	20	0.94621977
ENSG00000256972	11	AP000462.3	115204296	rs11215532	11	115271199	C	A	0.445328	0.00182526	0.00808371	0.821362	-0.64476	0.09683	2.76E-11	-0.0028309	0.0125448	0.8214619	0.548449	9	0.96842597
ENSG00000109917	11	ZNF259	116648436	rs619054	11	116660813	A	G	0.23161	0.00282458	0.00958982	0.768346	0.491338	0.0752593	6.64E-11	0.00574875	0.0195376	0.7685744	0.3737838	14	0.95545834
ENSG00000254851	11	RP11-109L13.1	117006244	rs1242127	11	117076564	G	A	0.206759	-0.0072734	0.00884632	0.410968	1.1759	0.0919558	1.92E-37	-0.0061854	0.00753855	0.4119332	0.7998861	20	0.83688257
ENSG00000168092	11	PAFAH1B2	117014983	rs4516002	11	116999059	G	A	0.82008	0.00476245	0.0101352	0.638433	0.394083	0.0533474	1.50E-13	0.0120849	0.0257704	0.6391095	0.5535811	18	0.91799509
ENSG00000149591	11	TAGLN	117070037	rs1242127	11	117076564	G	A	0.206759	-0.0072734	0.00884632	0.410968	-0.419928	0.0756799	2.88E-08	0.0173205	0.0212963	0.4160401	0.9975034	3	0.83806414
ENSG00000186318	11	BACE1	117156402	rs76380380	11	117171475	G	C	0.0178926	-0.0246326	0.0278331	0.376151	1.03597	0.142101	3.09E-13	-0.0237773	0.0270639	0.3796392	0.3184823	5	0.82033551
ENSG00000110274	11	CEP164	117185273	rs516712	11	117192376	G	A	0.421471	-0.0057561	0.00817212	0.481207	0.627716	0.0524341	5.01E-33	-0.00917	0.0130413	0.4819648	0.9209199	20	0.86066122
ENSG00000137731	11	FXYD2	117671559	rs516655	11	117709028	A	G	0.790258	-0.0032141	0.0127495	0.800967	-0.848663	0.104581	4.86E-16	0.00378724	0.0150303	0.8010613	0.9140736	7	0.96375895
ENSG00000254528	11	RP11-728F11.4	117704434	rs562089	11	117710118	A	C	0.812127	-0.0024051	0.0128847	0.851922	-0.588049	0.088465	2.99E-11	0.00409003	0.0219196	0.8519799	0.5970554	6	0.97754318
ENSG00000149582	11	TMEM25	118401756	rs11216921	11	118464815	C	G	0.135189	-0.0033879	0.0110941	0.760079	-0.486608	0.0712145	8.32E-12	0.00696224	0.0228216	0.7603111	0.5138507	8	0.9547369

ENSG00000118096	11	IFT46	118415243	rs3132828	11	118431003	G	A	0.543738	-0.0056588	0.0082203	0.491206	0.505989	0.0691054	2.44E-13	-0.0111836	0.0163176	0.4931106	0.2077065	3	0.86337555
ENSG00000019144	11	PHLDB1	118477155	rs10892248	11	118501022	A	G	0.215706	0.00753332	0.00967865	0.436366	0.606465	0.0662357	5.38E-20	0.0124217	0.0160167	0.4380165	0.08231169	20	0.85252555
ENSG00000118181	11	RPS25	118886422	rs3802881	11	118890022	T	C	0.0944334	0.00701796	0.0120211	0.559353	-0.584905	0.0840267	3.38E-12	-0.0119985	0.0206244	0.5607277	0.0896523	7	0.88280095
ENSG00000196655	11	TRAPPC4	118889142	rs11006	11	118895202	G	A	0.229622	-0.0032697	0.0095136	0.731078	0.733332	0.0674012	1.43E-27	-0.0044587	0.0129796	0.7312075	0.04069168	20	0.9431978
ENSG00000160695	11	VPS11	118938403	rs1182922	11	118932859	A	G	0.483101	-0.0036797	0.00808209	0.648903	0.466897	0.0543624	8.80E-18	-0.0078811	0.0173345	0.649363	0.3916099	10	0.92239093
ENSG00000256269	11	HMBS	118955576	rs1307145	11	118950217	G	C	0.358847	-0.0075214	0.00884488	0.395124	0.513525	0.064245	1.31E-15	-0.0146465	0.017321	0.3977813	0.1009009	10	0.82860146
ENSG00000110395	11	CBL	119076752	rs2155824	11	119166280	A	T	0.247515	-0.0021121	0.00954895	0.824949	0.493729	0.0523657	4.16E-21	-0.0042778	0.0193458	0.8249969	0.5018594	10	0.96886182
ENSG00000076706	11	MCAM	119179241	rs11217234	11	119177938	G	A	0.262425	-0.0023199	0.00908955	0.798544	0.496391	0.054725	1.18E-19	-0.0046736	0.0183185	0.7986222	0.5797512	10	0.96314117
ENSG00000154096	11	THY1	119288090	rs12417611	11	119299832	A	G	0.271372	0.00325624	0.00893235	0.715451	-0.414592	0.0459763	1.92E-19	-0.0078541	0.0215625	0.7156735	0.3828611	12	0.93968224
ENSG00000196914	11	ARHGEF12	120207787	rs2305010	11	120330149	C	G	0.389662	0.0122029	0.00809947	0.131906	-0.236329	0.0327366	5.23E-13	-0.0516352	0.0350104	0.1402522	0.9690885	12	0.63809688
ENSG00000166261	11	ZNF202	123594885	rs10502268	11	123626736	T	C	0.573559	-0.0089599	0.00805851	0.266203	-0.327	0.0416496	4.12E-15	0.0274002	0.0248896	0.2709552	0.7078981	20	0.75891975
ENSG00000245498	11	RP11-677M14.7	124670346	rs558814	11	124675214	G	A	0.366799	-0.004666	0.00873711	0.593312	0.426745	0.0657357	8.48E-11	-0.0109339	0.020543	0.5945564	0.1577581	5	0.8982887
ENSG00000254941	11	RP11-677M14.5	124677718	rs1783888	11	124676532	T	G	0.366799	-0.0044745	0.00873847	0.608617	0.723953	0.0748371	3.90E-22	-0.0061807	0.0120874	0.609119	0.2138219	8	0.90417223
ENSG00000134955	11	SLC37A2	124932963	rs7941760	11	124960844	A	G	0.605368	-0.0110726	0.00815883	0.174739	-0.675561	0.0842929	1.11E-15	0.0163902	0.012249	0.1808697	0.2502327	17	0.67831927
ENSG00000150433	11	TMEM218	124966398	rs7030	11	124967155	T	G	0.310139	0.00289139	0.00887746	0.744651	0.434973	0.0617743	1.90E-12	0.00664729	0.020431	0.7449145	0.2564176	4	0.94746104
ENSG00000149557	11	FEZ1	125315646	rs551378	11	125372070	G	C	0.188867	-0.0109213	0.00964884	0.257688	-0.516513	0.0548545	4.68E-21	0.0211443	0.0188152	0.2611035	0.7713715	20	0.74586579
ENSG00000064309	11	CDON	125825691	rs7124748	11	125846293	C	T	0.380716	0.0103081	0.0082365	0.210747	1.01454	0.0654292	3.16E-54	0.0101604	0.00814486	0.2122296	0.489862	20	0.71235334
ENSG00000165526	11	RPUSD4	126071993	rs480153	11	126072294	T	C	0.197813	0.00173238	0.00917937	0.850308	-0.424961	0.0723402	4.24E-09	-0.0040766	0.0216116	0.8503843	0.1240309	4	0.97754318
ENSG00000110074	11	FOXRED1	126138950	rs672908	11	126149651	G	C	0.76839	0.0180493	0.00970191	0.0628304	0.893214	0.060992	1.45E-48	0.0202071	0.0109491	0.06495694	0.8421864	20	0.50845953
ENSG00000170322	11	NFRKB	129733531	rs2141786	11	129722782	A	C	0.188867	0.0094288	0.0123472	0.445081	-0.481442	0.0565231	1.63E-17	-0.0195845	0.0257492	0.4469031	0.4593248	20	0.85417294
ENSG00000170325	11	PRDM10	129769601	rs78388354	11	129821094	C	T	0.0218688	0.0483051	0.0274915	0.0789024	2.40202	0.202267	1.59E-32	0.0201102	0.0115698	0.08218101	0.3878337	4	0.55924915
ENSG00000149418	11	ST14	130029457	rs519419	11	130079234	C	G	0.638171	-0.000903	0.008765	0.917943	0.449258	0.0805133	2.41E-08	-0.00201	0.0195133	0.9179573	0.2143788	3	0.98780912
ENSG00000175773	11	RP11-121M22.1	130184888	rs747250	11	130271678	G	T	0.494036	-0.0003448	0.00805269	0.965844	0.63262	0.0837	4.09E-14	-0.0005451	0.0127293	0.9658448	0.2947278	5	0.99660087
ENSG00000255455	11	RP11-890B15.3	130736149	rs3751034	11	130785304	C	T	0.198807	0.00611454	0.0094	0.515381	0.712469	0.0758469	5.80E-21	0.00858218	0.0132252	0.5163843	0.1392639	20	0.87176599
ENSG00000120451	11	SNX19	130745331	rs3751035	11	130785205	A	G	0.198807	0.00599932	0.00939601	0.523151	1.10433	0.0773401	2.96E-46	0.00543254	0.00851684	0.5235654	0.06485568	20	0.87335976
ENSG00000183715	11	OPCML	132284871	rs2262556	11	132768181	C	T	0.217694	-0.0078088	0.0105524	0.459301	0.292194	0.042937	1.01E-11	-0.0267246	0.0363273	0.4619354	0.6778097	4	0.85658817
ENSG00000080854	11	IGSF9B	133778459	rs688500	11	133817225	T	C	0.440358	-0.0126794	0.00812077	0.11844	0.29837	0.0405037	1.75E-13	-0.0424956	0.0278218	0.1266561	0.9861604	19	0.63619479
ENSG00000166105	11	GLB1L3	134144139	rs3132809	11	134146406	C	G	0.412525	0.00093364	0.00905441	0.917872	-0.867962	0.0864618	1.03E-23	-0.0010757	0.0104324	0.9178761	0.3729014	19	0.98780912
ENSG00000251226	11	RP11-469N6.1	134605490	rs4548634	11	134625044	A	G	0.296223	-0.0102528	0.00954538	0.282773	0.948562	0.104032	7.65E-20	-0.0108088	0.0101326	0.2860914	0.2415387	20	0.77081066
ENSG00000120645	12	IQSEC3	175931	rs2291919	12	280349	A	C	0.289264	-9.89E-05	0.0087769	0.991011	0.429315	0.0545664	3.61E-15	-0.0002303	0.020444	0.9910112	0.8913055	14	0.9989377
ENSG00000256694	12	RP11-598F7.5	273830	rs10505717	12	277182	T	C	0.322068	0.00261141	0.00858756	0.761058	-0.496815	0.0624639	1.81E-15	-0.0052563	0.0172979	0.7612268	0.7190752	20	0.9550384
ENSG00000256540	12	RP11-598F7.6	276022	rs12368193	12	276220	A	G	0.327038	0.00336119	0.00852282	0.693304	-0.582559	0.055143	4.35E-26	-0.0057697	0.0146402	0.6935066	0.4304715	20	0.93468508
ENSG00000256577	12	RP11-283I3.2	312808	rs2072536	12	313439	T	C	0.418489	0.00022272	0.00828474	0.978553	-0.768829	0.0818062	5.55E-21	-0.0002897	0.0107758	0.9785534	0.3277655	20	0.99743376
ENSG00000120647	12	CCDC77	498439	rs525381	12	384792	A	G	0.227634	-0.0180616	0.00870335	0.0379638	-0.48232	0.0734825	5.25E-11	0.0374473	0.0189252	0.04784935	0.6687954	20	0.47948912
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.997087	0.098874	6.47E-24	-0.0158694	0.0107226	0.1388738	0.9457119	20	0.63721248
ENSG00000002016	12	RAD52	1021243	rs3748523	12	1058738	G	C	0.115308	-0.0145814	0.0100357	0.146238	-1.01723	0.125991	6.81E-16	0.0143344	0.0100242	0.1527221	0.9141871	20	0.65219838
ENSG00000151067	12	CACNA1C	2079952	rs886898	12	2481936	C	T	0.856859	0.00731227	0.00995059	0.462426	-0.91693	0.108548	2.98E-17	-0.0079747	0.0108931	0.4641118	0.4838357	6	0.85740342
ENSG00000078246	12	TULP3	2986389	rs76487928	12	3053171	G	C	0.205765	0.00947592	0.0100707	0.346738	-0.556842	0.0701697	2.09E-15	-0.0170172	0.0182121	0.3501006	0.6136703	5	0.81376292
ENSG00000011105	12	TSPAN9	3186521	rs79328962	12	3254960	T	G	0.0984095	0.0198902	0.0139236	0.153141	0.905348	0.103794	2.72E-18	0.0219697	0.0155842	0.1586154	0.6731778	7	0.65838318
ENSG00000236908	12	RP5-1063M23.2	3427884	rs1465264	12	3408970	G	A	0.630219	0.00813458	0.00825505	0.324424	-0.582853	0.0712206	2.75E-16	-0.0139565	0.0142655	0.3279063	0.1504515	20	0.79781449
ENSG00000111218	12	PRMT8	3490515	rs10774156	12	3664704	A	C	0.271372	0.00031202	0.00845368	0.970558	0.353765	0.0562448	3.18E-10	0.00088199	0.0238967	0.970558	0.5926214	4	0.99667023
ENSG00000111224	12	PARP11	3900213	rs11062873	12	3965962	G	A	0.121272	-0.0172011	0.0136269	0.206845	-0.721649	0.103239	2.75E-12	0.0238358	0.0191884	0.2141634	0.4361154	5	0.71470811
ENSG00000010219	12	DYRK4	4671370	rs2286576	12	4714008	G	T	0.455268	0.00580737	0.00808915	0.472806	0.544582	0.0642765	2.40E-17	0.0106639	0.0149071	0.4743883	0.3376828	14	0.85740342
ENSG00000111254	12	AKAP3	4724674	rs979877	12	4757896	C	T	0.522863	-0.0023352	0.00829202	0.778235	0.858527	0.0888291	4.25E-22	-0.00272	0.00966253	0.7783273	0.8697875	15	0.9588338
ENSG00000255474	12	RP11-234B24.2	4809583	rs7312558	12	4778463	G	C	0.349901	0.00201129	0.0084925	0.812787	-0.454346	0.0670886	1.27E-11	-0.0044268	0.0187031	0.8128999	0.7766205	11	0.96601329
ENSG00000047617	12	ANO2	5641035	rs12580343	12	6039413	G	A	0.424453	-0.000636	0.00809106	0.937343	-0.3164	0.0570495	2.92E-08	0.00201022	0.0255748	0.9373495	0.7616889	7	0.99333365
ENSG00000111319	12	SCNN1A	6456009	rs10849447	12	6484709	C	T	0.493042	-0.0087726	0.00845456	0.299447	-0.539525	0.0858131	3.23E-10	0.0162599	0.0158824	0.3059433	0.4779702	3	0.77894167
ENSG00000111321	12	LTBR	6484211	rs10849448	12	6493351	G	A	0.737575	-0.014208	0.00945673	0.132987	-0.429339	0.0413288	2.80E-25	0.0330927	0.0222554	0.1370276	0.9602791	16	0.63721248
ENSG00000139192	12	TAPBPL	6560856	rs2244083	12	6570539	T	A	0.305169	0.00150986	0.00889562	0.865222	0.529269	0.0681655	8.20E-15	0.00285273	0.0168114	0.8652538	0.6307662	11	0.97828063
ENSG00000139190	12	VAMP1	6571403	rs2532516	12	6586679	A	G	0.507952	0.010105	0.00809679	0.212022	-0.95248	0.0675736	4.05E-45	-0.0106091	0.008534	0.2138081	0.7413353	17	0.71470811
ENSG00000010292	12	NCAPD2	6602522	rs7954276	12	6608778	A	G	0.309145	-0.0029413	0.00913931	0.747584	0.451178	0.057133	2.86E-15	-0.0065191	0.0202734	0.7477865	0.5260774	10	0.94880235
ENSG00000250510	12	GPR162	6930711	rs7956085	12	6931690	G	A	0.420477	0.00391114	0.0086416	0.650841	-0.272921	0.0446019	9.41E-10	-0.0143307	0.0317499	0.6517291	0.8151793	6	0.92285128
ENSG00000110811	12	LEPREL2	6937572	rs4963510	12	6946545	A	C	0.581511	0.00777747	0.00807283	0.33534	-0.369248	0.0489607	4.64E-14	-0.021063	0.0220406	0.3392505	0.5838593	5	0.80766221
ENSG00000111664	12	GNB3	6949118	rs1129649	12	6948468	C	T	0.358847	0.0004452	0.00858574	0.958645	-0.779179	0.0584339	1.46E-40	-0.0005714	0.011019	0.9586457	0.190771	19	0.99596391
ENSG00000111665	12	CDCA3	6953957	rs1047776	12	6948692	G	A	0.645129	-0.0026755	0.00817768	0.743536	-0.87011	0.074395	1.34E-31	0.00307493	0.00940212	0.7436325	0.1995882	20	0.94674754
ENSG00000111671	12	SPSB2	6980099	rs2071066	12	6977275	C	T	0.312127	-0.000406	0.0092443	0.964967	0.623717	0.071667	3.23E-18	-0.000651	0.0148215	0.9649678	0.7739237	15	0.99660087
ENSG00000010626	12	LRRC23	6982733	rs1057077	12	7022085	A	T	0.295229	-0.0037236	0.00940617	0.692199	0.797344	0.0647807	8.17E-35	-0.0046701	0.011803	0.6923504	0.6867334	16	0.93419121
ENSG00000111676	12	ATN1	7033626	rs10849538	12	7014607	G	A	0.298211	-0.0039148	0.00939682	0.676965	-0.249138	0.0453397	3.91E-08	0.0157133	0.0378256	0.6778376	0.5922436	11	0.92676413
ENSG00000173262	12	SLC2A14	7965108	rs6488770	12	8065071	A	C	0.390656	0.0158568	0.00813485	0.0512661	0.68238	0.0987811	4.92E-12	0.0232375	0.0123868	0.06065674	0.6828066	10	0.50471447
ENSG00000255581	12	RP11-69M1.4	8169797	rs4883476	12	8167855	T	C	0.517893	0.0135759	0.00841944	0.106863	-0.59096	0.0777931	3.04E-14	-0.0229726	0.0145645	0.1147251	0.7305956	10	0.61794187
ENSG00000226091	12	LINC00937	8448582	rs35834165	12	8461878	A	G	0.0765408	-0.0359808	0.0132147	0.00647336	1.37836	0.140527	1.03E-22	-0.0261041	0.0099498	0.00870117	0.6283775	20	0.29241739
ENSG00000003056	12	M6PR	9092959	rs1805722	12	9145056	C	T	0.4334	0.00361584	0.00806843	0.654047	-0.226135	0.0377398	2.07E-09	-0.0159897	0.0357794	0.6549484	0.858112	15	0.92318646
ENSG00000139187	12	KLRG1	9102640	rs7136774	12	9178852	T	G	0.262425	4.88E-05	0.00908693	0.995714	0.642149	0.0625882	1.07E-24	7.60E-05	0.0141508	0.9957144	0.4949296	20	0.99906546
ENSG00000256427	12	RP11-118B22.4	9399093	rs34371	12	9393753	G	A	0.636183	-0.0150764	0.00868429	0.0825544	-0.559057	0.0911215	8.50E-10	0.0269676	0.0161437	0.094827	0.9981829	20	0.58914688
ENSG00000111788	12	RP11-22B23.1	9429831	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-1.16605	0.0742574	1.45E-55	0.00295902	0.00694685	0.6701427	0.1845386	20	0.92466627
ENSG00000260423	12	RP13-735L24.1	9520060	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.843516	0.0863061	1.46E-22	0.00409046	0.00960869	0.6703232	0.3666421	20	0.92466627
ENSG00000214826	12	DDX12P	9570309	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-1.01678	0.0823602	5.15E-35	0.00339343	0.0079685	0.6702133	0.2390204	20	0.92466627
ENSG00000214776	12	RP11-726G1.1	9620148	rs149680272	12	9590052	A	G	0.312127	-0.0057797	0.00912239	0.526361	-0.644663	0.0899417	7.63E-13	0.00896541	0.0142058	0.5279693	0.5385683	20	0.87557054
ENSG00000256594	12	RP11-705C15.2	9787188	rs10844161	12	9758367	C	T	0.333002	0.0188197	0.00848935	0.0266324	0.477635	0.0773568	6.64E-10	0.0394018	0.0188846	0.03693749	0.9192092	10	0.43606999
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.83578	0.19259	1.54E-21	-0.0075528	0.0103831	0.4669755	0.7881389	20	0.85740342
ENSG00000205809	12	KLRC2	10579453	rs10743899	12	10642477	C	T	0.808151	-0.013489	0.0105514	0.201107	-1.04744	0.116587	2.61E-19	0.0128781	0.010175	0.2056351	0.03512661	17	0.70730227
ENSG00000134545	12	KLRC1	10594863	rs7966231	12	10696297	T	C	0.82505	0.0216382	0.0122508	0.0773517	-1.28669	0.126153	1.99E-24	-0.0168169	0.00966289	0.08179493	0.6623186	10	0.55874
ENSG00000256667	12	KLRAP1	10741077	rs3816567	12	10745033	A	G	0.232604	-0.0041444	0.00958424	0.665439	0.561992	0.0602438	1.07E-20	-0.0073745	0.0170724	0.6657761	0.07537487	13	0.92466627
ENSG00000111215	12	PRR4	10977559	rs7488102	12	11323994	A	G	0.637177	-0.0070692	0.00839025	0.399479	-1.01588	0.0799355	5.29E-37	0.00695872	0.00827723	0.4005125	0.6350589	20	0.82963504
ENSG00000231887	12	PRH1	11033610	rs2416549	12	11325804	A	G	0.652087	-0.007021	0.00850251	0.408945	-1.05082	0.0846763	2.31E-35	0.00668141	0.0081092	0.4099796	0.511201	20	0.83688257
ENSG00000212127	12	TAS2R14	11090005	rs10772397	12	11138683	T	C	0.657058	-0.009542	0.00840476	0.256248	-0.923145	0.0672707	7.41E-43	0.0103364	0.00913559	0.2578704	0.9749829	17	0.74586579
ENSG00000212125	12	TAS2R15	11117024	rs1669420	12	11344847	A	G	0.131213	0.00143063	0.0145483	0.921665	0.691276	0.0989299	2.80E-12	0.00206955	0.0210477	0.9216728	0.9103297	16	0.98950443
ENSG00000255837	12	TAS2R20	11149094	rs2416549	12	11325804	A	G	0.652087	-0.007021	0.00850251	0.408945	-0.484496	0.0840708	8.27E-09	0.0144913	0.0177284	0.4136981	0.8704951	10	0.83806414
ENSG00000256019	12	TAS2R63P	11200931	rs1551193	12	11318574	A	C	0.356859	-0.0005424	0.00866224	0.950068	1.08833	0.0878918	3.25E-35	-0.0004984	0.00795931	0.9500691	0.6665581	16	0.99338916
ENSG00000226761	12	TAS2R46	11213964	rs1551193	12	11318574	A	C	0.356859	-0.0005424	0.00866224	0.950068	1.032	0.0939194	4.36E-28	-0.0005256	0.00839378	0.9500693	0.5588401	18	0.99338916
ENSG00000256274	12	TAS2R64P	11229368	rs1551193	12	11318574	A	C	0.356859	-0.0005424	0.00866224	0.950068	1.23704	0.0824857	7.68E-51	-0.0004385	0.00700245	0.9500689	0.720497	17	0.99338916
ENSG00000255374	12	TAS2R43	11243886	rs1551193	12	11318574	A	C	0.356859	-0.0005424	0.00866224	0.950068	1.1858	0.0811093	2.10E-48	-0.0004574	0.00730504	0.950069	0.4397083	17	0.99338916
ENSG00000256537	12	RP11-785H5.1	11323963	rs3911800	12	11325797	A	G	0.217694	0.00796869	0.00922044	0.387455	0.614498	0.0658975	1.11E-20	0.0129678	0.0150691	0.3894838	0.2910896	19	0.82356872
ENSG00000247157	12	RP11-434C1.1	11700964	rs10772397	12	11138683	T	C	0.657058	-0.009542	0.00840476	0.256248	-1.13466	0.0849834	1.16E-40	0.00840953	0.00743402	0.2579616	0.3163398	20	0.74586579
ENSG00000070018	12	LRP6	12268959	rs3741801	12	12483318	T	C	0.0795229	0.0121167	0.0153561	0.430083	0.571076	0.0889641	1.37E-10	0.0212173	0.0270922	0.4335369	0.5227926	8	0.849086
ENSG00000013583	12	HEBP1	13127798	rs3782567	12	13145613	T	C	0.506958	0.00082803	0.00806566	0.918232	-0.376372	0.065138	7.56E-09	-0.0022	0.0214334	0.9182451	0.1048927	7	0.98780912
ENSG00000255621	12	RP11-377D9.3	13153385	rs1642202	12	13151986	G	T	0.78827	0.0178867	0.0107911	0.0974114	0.708764	0.11194	2.43E-10	0.0252365	0.0157383	0.1088229	0.3776182	10	0.60962213
ENSG00000182993	12	C12orf60	14956506	rs1012683	12	14951050	G	A	0.586481	0.00564788	0.00809985	0.485626	-0.67162	0.0859829	5.67E-15	-0.0084093	0.0121081	0.487356	0.5378869	15	0.86252211
ENSG00000084453	12	SLCO1A2	21417534	rs2199687	12	21431994	A	T	0.247515	0.00089653	0.00932934	0.923443	0.412512	0.059464	4.00E-12	0.00217334	0.0226181	0.9234502	0.5349575	7	0.99002817
ENSG00000121350	12	PYROXD1	21590549	rs2192183	12	21608043	G	A	0.44831	0.00821358	0.00810398	0.31081	-0.457601	0.0550936	9.91E-17	-0.0179492	0.0178411	0.3143859	0.2191707	20	0.78585941
ENSG00000111728	12	ST8SIA1	22216707	rs74394530	12	22466747	A	C	0.0238569	-0.0089588	0.0477791	0.851266	1.56012	0.149299	1.47E-25	-0.0057424	0.0306302	0.8512895	0.8675496	3	0.97754318
ENSG00000118307	12	CASC1	25261354	rs10842473	12	25273606	A	C	0.450298	0.00412862	0.00807251	0.609042	-0.497317	0.0905083	3.91E-08	-0.0083018	0.0163023	0.6105835	0.9265614	7	0.90530044
ENSG00000205707	12	LYRM5	25348150	rs12227966	12	25305673	T	G	0.22167	7.10E-05	0.0108275	0.994765	-0.331432	0.0588979	1.83E-08	-0.0002143	0.0326689	0.9947655	0.8312051	7	0.99906546
ENSG00000255968	12	RP11-513G19.1	26471886	rs113607967	12	27001965	T	C	0.107356	-0.0031605	0.0181339	0.861641	1.35425	0.132159	1.22E-24	-0.0023338	0.0133923	0.8616607	0.3737729	20	0.97828063
ENSG00000123104	12	ITPR2	26490342	rs113607967	12	27001965	T	C	0.107356	-0.0031605	0.0181339	0.861641	1.19534	0.080253	3.57E-50	-0.002644	0.0151715	0.8616503	0.2865193	20	0.97828063
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.52867	0.137172	7.64E-29	-0.0088717	0.00889842	0.3187658	0.6138577	17	0.79066347
ENSG00000123106	12	CCDC91	28286182	rs77350383	12	28397337	T	A	0.0467197	0.0442018	0.0447309	0.323068	0.937236	0.136324	6.20E-12	0.0471619	0.0482169	0.3280152	0.2883972	7	0.79781449
ENSG00000247934	12	RP11-967K21.1	28316231	rs12368149	12	28321558	A	G	0.574553	0.00715014	0.00810295	0.377554	-0.453058	0.0789365	9.49E-09	-0.015782	0.0180952	0.3831186	0.2287017	10	0.82113132
ENSG00000064763	12	FAR2	29302036	rs73068416	12	29107711	C	A	0.164016	-0.0249792	0.0116002	0.0312925	0.94004	0.0995149	3.51E-21	-0.0265725	0.0126567	0.03577432	0.07473009	10	0.43350564
ENSG00000257176	12	RP11-996F15.2	29433351	rs966541	12	29491528	G	A	0.284294	0.00613617	0.00887294	0.489213	1.07018	0.0953591	3.16E-29	0.00573377	0.0083068	0.4900366	0.8556757	20	0.86252211
ENSG00000133687	12	TMTC1	29653773	rs302341	12	29939446	T	C	0.322068	-0.0120569	0.00858392	0.160144	-0.281173	0.0492381	1.13E-08	0.0428807	0.0314389	0.172587	0.06884276	6	0.67151653
ENSG00000133704	12	IPO8	30781922	rs3888018	12	30783546	T	G	0.274354	-0.0031944	0.00862259	0.711032	0.349968	0.0547047	1.58E-10	-0.0091277	0.0246795	0.7114941	0.7963304	17	0.93968224
ENSG00000110888	12	CAPRIN2	30862486	rs73082068	12	30913465	T	G	0.0964215	-0.0179303	0.0168098	0.286126	-0.616932	0.0776143	1.88E-15	0.0290637	0.0274916	0.2904289	0.9299736	9	0.77388729
ENSG00000110900	12	TSPAN11	31079362	rs33206	12	31061583	A	G	0.573559	-0.0141802	0.00811503	0.0805675	0.911856	0.0653777	3.26E-44	-0.0155509	0.00896904	0.08294554	0.5611403	20	0.56049392
ENSG00000013573	12	DDX11	31226779	rs7953706	12	31226835	A	T	0.431412	-0.0110887	0.00815072	0.173685	-1.21412	0.0588124	1.11E-94	0.00913312	0.00672784	0.1746186	0.979179	20	0.67151653
ENSG00000174718	12	KIAA1551	32112304	rs55665510	12	32125196	C	G	0.119284	-0.0198447	0.0132814	0.13513	0.532035	0.0745553	9.60E-13	-0.0372996	0.0255047	0.1436156	0.5037701	4	0.64189476
ENSG00000018236	12	CNTN1	41086244	rs77325461	12	41297476	G	A	0.125249	-0.005607	0.0113117	0.620116	-0.438864	0.046915	8.40E-21	0.0127762	0.0258111	0.6206074	0.9654044	20	0.91050114
ENSG00000151233	12	GXYLT1	42475647	rs11181281	12	42372299	C	T	0.184891	-0.0181216	0.0120387	0.132253	0.402724	0.0730437	3.52E-08	-0.0449976	0.0309873	0.1464652	0.8001265	4	0.64483063
ENSG00000134283	12	PPHLN1	42632249	rs11181388	12	42642541	A	C	0.223658	-0.0119877	0.0111691	0.283142	-0.357107	0.0496308	6.23E-13	0.0335689	0.0316227	0.2884416	0.5814943	20	0.77260048
ENSG00000139168	12	ZCRB1	42705880	rs12425945	12	42698690	C	G	0.366799	0.0177331	0.00827655	0.0321477	0.37787	0.0686583	3.72E-08	0.0469291	0.0235044	0.04586774	0.8563259	7	0.46900462
ENSG00000139174	12	PRICKLE1	42852140	rs12658	12	42853084	A	C	0.230616	-0.0159163	0.0109286	0.145283	0.567699	0.0938548	1.46E-09	-0.0280365	0.0198009	0.1567976	0.9990607	10	0.6570401
ENSG00000257225	12	RP11-328C8.4	42853168	rs7975971	12	42788721	A	G	0.166998	-0.0149967	0.0121881	0.218533	1.23946	0.0995235	1.33E-35	-0.0120994	0.00988127	0.2207726	0.3020795	20	0.72284625
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.672655	0.101656	3.67E-11	-0.0154932	0.0137046	0.2582601	0.9220348	4	0.74586579
ENSG00000079337	12	RAPGEF3	48128455	rs12422983	12	48142636	T	C	0.145129	-0.0098517	0.0118811	0.406998	0.512827	0.0655973	5.38E-15	-0.0192105	0.0232978	0.40962	0.6170782	20	0.83688257
ENSG00000240399	12	RP1-228P16.1	48448596	rs2269935	12	48516464	T	G	0.213718	0.0422277	0.0116421	0.00028655	-0.819255	0.0978728	5.73E-17	-0.051544	0.0154874	0.0008743	0.311362	20	0.16825689
ENSG00000152556	12	PFKM	48498922	rs79359351	12	48570802	A	G	0.0914513	0.0005582	0.0127883	0.965184	-0.736101	0.0896087	2.13E-16	-0.0007583	0.0173733	0.9651843	0.06108199	20	0.99660087
ENSG00000177981	12	ASB8	48541571	rs2269935	12	48516464	T	G	0.213718	0.0422277	0.0116421	0.00028655	0.512226	0.0666122	1.48E-14	0.0824396	0.02513	0.00103615	0.437742	14	0.16825689
ENSG00000187166	12	H1FNT	48722763	rs2732469	12	48712932	A	T	0.408549	-0.0159539	0.0082958	0.0544641	-0.608858	0.0578619	6.80E-26	0.026203	0.0138509	0.05851835	0.4250181	20	0.50083362
ENSG00000139620	12	KANSL2	49047184	rs10875859	12	49074762	A	C	0.26839	0.00209993	0.00866934	0.808606	0.642625	0.0769476	6.74E-17	0.00326774	0.0134962	0.8086848	0.6319913	18	0.96594546
ENSG00000167535	12	CACNB3	49207577	rs34014405	12	49211913	T	C	0.177932	0.00825684	0.0111443	0.458751	-0.466136	0.0658119	1.41E-12	-0.0177134	0.0240383	0.4611942	0.4207638	7	0.85658817
ENSG00000139537	12	CCDC65	49297893	rs9795742	12	49314023	A	G	0.409543	0.00145537	0.00825465	0.860051	-0.980809	0.080001	1.49E-34	-0.0014839	0.00841704	0.8600654	0.5983118	20	0.97828063
ENSG00000134285	12	FKBP11	49315301	rs2446999	12	49274072	A	G	0.507952	-0.0046805	0.00806879	0.561868	-0.623368	0.0625913	2.30E-23	0.00750833	0.0129658	0.5625305	0.2790924	20	0.88385716
ENSG00000139636	12	LMBR1L	49490919	rs10747561	12	49500509	T	C	0.33002	-0.0029389	0.00837584	0.725683	-0.336825	0.05315	2.34E-10	0.00872518	0.0249051	0.7260859	0.3930098	6	0.94070655
ENSG00000258017	12	RP11-386G11.10	49521565	rs11837207	12	49513044	C	A	0.321074	-0.0057279	0.00829163	0.489692	-0.710102	0.0956723	1.15E-13	0.00806624	0.0117271	0.4915621	0.7845016	8	0.86252211
ENSG00000257464	12	RP11-161H23.8	49836207	rs10875958	12	49846208	G	A	0.801193	-0.0244318	0.00906528	0.00703672	0.612818	0.112349	4.91E-08	-0.039868	0.0165	0.01568148	0.2675411	3	0.34725322
ENSG00000161798	12	AQP5	50355653	rs3759129	12	50354437	C	A	0.177932	0.0161868	0.0113103	0.152385	-0.726906	0.0927292	4.54E-15	-0.0222681	0.0158167	0.1591652	0.9846899	5	0.6587453
ENSG00000272368	12	RP4-605O3.4	50505980	rs34573394	12	50556475	A	C	0.399602	-0.0014967	0.0083156	0.857167	0.757539	0.0834316	1.09E-19	-0.0019757	0.0109793	0.8571943	0.5791276	20	0.97828063
ENSG00000139624	12	CERS5	50523575	rs6580728	12	50541127	G	A	0.342942	-0.0023379	0.00882095	0.790981	-1.00518	0.0669568	6.09E-51	0.00232582	0.00877686	0.7910135	0.9804902	20	0.96012471
ENSG00000050426	12	LETMD1	51441745	rs17125401	12	51514352	C	T	0.140159	0.0145496	0.0109153	0.182545	0.349671	0.0608574	9.15E-09	0.0416094	0.0320449	0.1941255	0.01809654	10	0.6955129
ENSG00000110925	12	CSRNP2	51454990	rs7978723	12	51448918	A	C	0.185885	-0.000583	0.00992425	0.953155	0.677069	0.0677954	1.74E-23	-0.0008611	0.0146579	0.9531556	0.6262928	20	0.9942403
ENSG00000184271	12	POU6F1	51580719	rs10783420	12	51604820	C	T	0.800199	-0.0011703	0.00974701	0.90443	0.519829	0.0898799	7.31E-09	-0.0022513	0.0187545	0.9044509	0.4122633	6	0.98689075
ENSG00000139629	12	GALNT6	51745031	rs3782473	12	51756269	C	T	0.281312	-0.0038831	0.0085967	0.65149	-0.365955	0.0594499	7.48E-10	0.0106108	0.0235543	0.652363	0.2548414	6	0.92291695
ENSG00000063046	12	EIF4B	53399942	rs10876400	12	53436855	C	T	0.832008	0.0029062	0.00922811	0.752816	-0.33229	0.0478843	3.94E-12	-0.008746	0.0277998	0.7530614	0.3287073	12	0.95258055
ENSG00000111077	12	TENC1	53440753	rs11170385	12	53443278	G	T	0.607356	-0.0154707	0.0080803	0.0555418	0.834584	0.054376	3.63E-53	-0.018537	0.00975687	0.05744698	0.3318488	17	0.49855845
ENSG00000185591	12	SP1	53773960	rs11170510	12	53743734	G	A	0.150099	0.00289009	0.0119635	0.809109	0.401184	0.0712629	1.81E-08	0.0072039	0.0298479	0.8092811	0.7922335	6	0.96594546
ENSG00000135390	12	ATP5G2	54026510	rs3892761	12	54070445	T	A	0.299205	0.0138158	0.00944164	0.143391	0.844224	0.0584633	2.89E-47	0.0163651	0.0112411	0.1454401	0.02694986	20	0.64369056
ENSG00000248265	12	RP11-834C11.3	54452038	rs11170810	12	54492566	C	T	0.468191	-0.0032358	0.00809355	0.689307	-0.50741	0.0855329	2.99E-09	0.00637701	0.0159869	0.6899742	0.4246839	4	0.93198284
ENSG00000250742	12	RP11-834C11.4	54519882	rs2233921	12	54575800	A	C	0.477137	0.00299254	0.00811907	0.71244	0.473238	0.085231	2.82E-08	0.00632354	0.0171942	0.7130431	0.4544477	5	0.93968224
ENSG00000123360	12	PDE1B	54943134	rs1795814	12	54956744	G	A	0.309145	0.0130358	0.00847055	0.123815	-0.36701	0.0626278	4.62E-09	-0.0355189	0.0238625	0.1366232	0.01411868	3	0.63721248
ENSG00000135424	12	ITGA7	56078352	rs2293412	12	56091617	G	A	0.497018	0.010962	0.00836897	0.190249	-0.334751	0.0576472	6.36E-09	-0.0327467	0.0256287	0.2013425	0.7423059	3	0.70136928
ENSG00000135437	12	RDH5	56114151	rs3138141	12	56115778	A	C	0.191849	-0.0017964	0.0108589	0.868604	-0.643194	0.0684388	5.56E-21	0.00279294	0.0168854	0.8686248	0.230976	7	0.97828063
ENSG00000139531	12	SUOX	56390964	rs1081975	12	56393337	G	C	0.394632	0.0158175	0.00830643	0.0568787	-0.650865	0.0540768	2.30E-33	-0.0243023	0.0129209	0.05999194	0.1951844	20	0.50428503
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.14754	0.0564232	5.92E-92	0.0174198	0.00716593	0.01506064	0.4613889	20	0.34725322
ENSG00000257303	12	RP11-977G19.11	56693926	rs2066818	12	56753822	A	C	0.0636183	-0.0053403	0.0177429	0.763428	-1.0044	0.11929	3.77E-17	0.00531692	0.0176765	0.763574	0.8484055	13	0.95514229
ENSG00000170581	12	STAT2	56735381	rs2695788	12	56697110	A	G	0.928429	0.00618252	0.017705	0.726942	-0.523912	0.0724029	4.62E-13	-0.0118007	0.0338332	0.7272467	0.985222	3	0.94121967
ENSG00000076067	12	RBMS2	56915713	rs7975238	12	56922990	G	A	0.487078	0.00166495	0.00807724	0.836691	-0.346685	0.0579703	2.23E-09	-0.0048025	0.0233123	0.836786	0.2197477	8	0.97276333
ENSG00000198056	12	PRIM1	57125380	rs2277339	12	57146069	G	T	0.111332	-0.0168825	0.0120259	0.160368	-0.595427	0.0761512	5.32E-15	0.0283536	0.0205201	0.1670482	0.9732712	6	0.66475683
ENSG00000025423	12	HSD17B6	57145945	rs747906	12	57233350	G	C	0.0735586	-0.0174617	0.0153258	0.254549	0.665685	0.0971841	7.40E-12	-0.0262312	0.0233389	0.2610453	0.2191418	9	0.74586579
ENSG00000139547	12	RDH16	57345219	rs901068	12	57346805	G	T	0.109344	0.0027845	0.0133488	0.834765	-0.676446	0.121865	2.84E-08	-0.0041164	0.0197477	0.8348789	0.2557564	5	0.97259615
ENSG00000166881	12	TMEM194A	57449426	rs62621200	12	57472544	T	C	0.0159046	0.0546971	0.0285217	0.0551442	1.08849	0.142767	2.45E-14	0.0502504	0.0270192	0.06291305	0.8798837	9	0.50845953
ENSG00000123329	12	ARHGAP9	57866038	rs2277315	12	57869582	C	T	0.672962	0.0328605	0.00817264	5.80E-05	0.505605	0.0790469	1.59E-10	0.0649924	0.0190925	0.00066387	0.8861943	6	0.16732735
ENSG00000123427	12	METTL21B	58165275	rs10431552	12	58178148	A	G	0.319085	-0.0215716	0.008472	0.0108896	0.955635	0.0680368	8.17E-45	-0.0225731	0.0090098	0.01223167	0.05382646	20	0.33150456

ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.759474	0.0805267	4.05E-21	0.039005	0.0120288	0.00118428	0.40137	20	0.16825689
ENSG00000257159	12	RP11-58A17.3	58360841	rs7295748	12	58343380	G	A	0.371769	-0.0259181	0.00837038	0.0019588	0.778914	0.0974564	1.32E-15	-0.0332747	0.0115245	0.00388566	0.3700893	19	0.23932723
ENSG00000118596	12	SLC16A7	59989848	rs4760294	12	59987651	G	T	0.812127	-0.0105506	0.0101182	0.297073	-0.2793	0.04664	2.12E-09	0.0377752	0.0367721	0.3042897	0.7394624	7	0.77894167
ENSG00000177990	12	DPY19L2	63952693	rs55673930	12	64070828	C	T	0.197813	-0.0013272	0.0100562	0.895002	-0.869943	0.0823271	4.24E-26	0.00152559	0.0115605	0.8950112	0.7156701	15	0.98597578
ENSG00000118600	12	TMEM5	64173583	rs11175172	12	64183598	G	C	0.106362	-0.0104179	0.012932	0.420479	-0.596306	0.0992087	1.85E-09	0.0174707	0.0218808	0.4246087	0.06391821	16	0.8444398
ENSG00000255693	12	RP11-766N7.3	65277174	rs3741742	12	65273036	T	C	0.481113	-9.35E-05	0.00812232	0.990815	-0.626999	0.0808399	8.76E-15	0.00014913	0.0129543	0.9908149	0.914179	16	0.9989377
ENSG00000174106	12	LEMD3	65563351	rs17101175	12	65629035	G	C	0.302187	-0.004955	0.00879634	0.573229	0.45399	0.0494504	4.28E-20	-0.0109143	0.0194121	0.573949	0.4522116	20	0.89106157
ENSG00000155957	12	TMBIM4	66517709	rs7975029	12	66503798	G	A	0.417495	0.0132526	0.0080617	0.100198	-0.441895	0.057192	1.11E-14	-0.0299904	0.0186518	0.1078556	0.07057986	10	0.60962213
ENSG00000239335	12	RP11-745O10.2	66524531	rs1370126	12	66546892	G	A	0.435388	0.0130862	0.00806503	0.104679	-1.10756	0.0744144	4.21E-50	-0.0118153	0.00732494	0.1067383	0.1075326	14	0.60952427
ENSG00000111581	12	NUP107	69080514	rs2546509	12	69083237	G	A	0.290258	0.00590389	0.00898417	0.511088	-0.449933	0.0613342	2.20E-13	-0.0131217	0.0200478	0.5127751	0.7404905	13	0.87006491
ENSG00000127337	12	YEATS4	69753483	rs315121	12	69783937	C	T	0.0457256	-0.0439125	0.0306923	0.152506	1.15877	0.121659	1.65E-21	-0.0378958	0.0267841	0.1571095	0.5583383	11	0.6570401
ENSG00000127325	12	BEST3	70037140	rs775434	12	70094505	C	T	0.592445	0.00621764	0.00826721	0.452	-0.343698	0.0626293	4.07E-08	-0.0180904	0.0242785	0.4561994	0.909119	3	0.85417294
ENSG00000166268	12	MYRFL	70219084	rs4332561	12	70157582	T	C	0.0616302	0.00825455	0.0148537	0.5784	1.63675	0.141125	4.22E-31	0.00504326	0.00908553	0.5788354	0.3095862	17	0.89169006
ENSG00000257139	12	RP11-320P7.2	70574118	rs7315956	12	70563865	G	A	0.692843	-0.0001115	0.00877885	0.989866	-1.11771	0.0852296	2.73E-39	9.98E-05	0.00785432	0.9898664	0.9093626	20	0.9989377
ENSG00000257302	12	FAHD2P1	71065698	rs7958846	12	71078135	C	G	0.752485	-0.0055147	0.0098245	0.574578	0.735941	0.0758251	2.85E-22	-0.0074934	0.0133719	0.5752156	0.532625	20	0.89166741
ENSG00000236333	12	TRHDE-AS1	72647288	rs12579464	12	72661547	T	G	0.184891	-0.0040113	0.0106089	0.705354	-0.414774	0.0608298	9.19E-12	0.00967098	0.0256168	0.705784	0.1349793	3	0.93847294
ENSG00000253719	12	ATXN7L3B	74931551	rs7958966	12	74905471	G	T	0.115308	0.0258945	0.0146294	0.076722	-0.325262	0.0510468	1.87E-10	-0.0796112	0.0466804	0.08811019	0.2020297	6	0.57311415
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-1.0396	0.0673235	8.56E-54	-0.0036532	0.00808062	0.6511983	0.2604912	20	0.92285128
ENSG00000257497	12	RP11-585P4.5	75877904	rs3741496	12	75891253	C	T	0.37674	0.00329437	0.00853645	0.699557	-0.72101	0.0618227	1.98E-31	-0.0045691	0.0118461	0.6997137	0.3356091	20	0.93735232
ENSG00000111615	12	KRR1	75890684	rs17219119	12	75907717	T	C	0.234592	0.00904744	0.009858	0.358736	0.585182	0.0589296	3.08E-23	0.0154609	0.0169178	0.3607791	0.244393	20	0.81746804
ENSG00000067798	12	NAV3	78224685	rs2694837	12	78558259	A	G	0.536779	0.00422373	0.00807748	0.601042	0.432175	0.068463	2.74E-10	0.00977319	0.0187543	0.6022852	0.930542	7	0.90092572
ENSG00000257431	12	RP11-263K4.3	82906456	rs7972368	12	82890252	G	A	0.233598	-0.0047187	0.010217	0.644194	0.857914	0.0893852	8.16E-22	-0.0055002	0.0119229	0.644576	0.2033268	20	0.92078672
ENSG00000139324	12	TMTC3	88536073	rs11104789	12	88678801	G	C	0.0129225	0.0439239	0.0268617	0.102009	1.43174	0.192823	1.13E-13	0.0306787	0.0192111	0.1102832	0.1702732	4	0.61226609
ENSG00000270344	12	RP11-734K2.4	89919431	rs12369195	12	89934972	C	G	0.222664	-0.0002724	0.00988654	0.978022	-0.454033	0.0799141	1.34E-08	0.00059986	0.0217752	0.9780228	0.04696245	5	0.99743145
ENSG00000205056	12	RP11-693J15.5	92860227	rs337666	12	92840474	T	G	0.28827	-0.0065192	0.0095867	0.496486	0.48087	0.0624308	1.33E-14	-0.0135572	0.0200137	0.4981556	0.760379	9	0.86521828
ENSG00000198015	12	MRPL42	93861264	rs11611224	12	93854705	C	T	0.142147	-0.0070646	0.0103515	0.494943	0.439803	0.0774641	1.37E-08	-0.0160631	0.0237061	0.4980302	0.8550133	3	0.86521828
ENSG00000136014	12	USP44	95910336	rs7304754	12	95953758	C	T	0.152087	0.0100161	0.0117242	0.392933	0.513338	0.0854203	1.86E-09	0.0195117	0.0230688	0.3976609	0.9618158	8	0.82860146
ENSG00000238105	12	GOLGA2B	100550135	rs11110252	12	100523496	A	G	0.0854871	-0.0046462	0.0166715	0.780484	1.11946	0.157354	1.13E-12	-0.0041504	0.0149039	0.7806481	0.3384646	13	0.95999897
ENSG00000120805	12	ARL1	101786898	rs12810430	12	101758718	G	C	0.105368	0.0108595	0.015057	0.470772	0.416744	0.0601151	4.14E-12	0.026058	0.0363251	0.4731555	0.6574161	3	0.85740342
ENSG00000111666	12	CHPT1	102090725	rs7970837	12	102081576	G	A	0.609344	0.0181036	0.00811906	0.0257626	0.542124	0.0557528	2.39E-22	0.0333938	0.0153651	0.02975356	0.0503857	20	0.41039362
ENSG00000139351	12	SYCP3	102122426	rs75001229	12	102137156	G	A	0.128231	0.00187404	0.0127119	0.882797	0.688359	0.113906	1.51E-09	0.00272247	0.0184725	0.8828319	0.4594992	7	0.98282556
ENSG00000257681	12	RP11-341G23.4	104140093	rs11111765	12	104172519	C	G	0.247515	-0.0100726	0.00986399	0.307185	0.949195	0.0906676	1.20E-25	-0.0106117	0.0104413	0.3094745	0.3613281	20	0.78081129
ENSG00000120837	12	NFYB	104510855	rs57381687	12	104536827	G	A	0.148111	-0.0012925	0.00986894	0.895801	0.401479	0.0597455	1.82E-11	-0.0032194	0.0245861	0.8958207	0.8490998	16	0.98597578
ENSG00000171310	12	CHST11	104849073	rs1922261	12	104854011	A	G	0.761431	-0.0057052	0.00872251	0.513059	1.26645	0.0864337	1.30E-48	-0.0045049	0.00689423	0.5134781	0.6772292	14	0.87006491
ENSG00000136010	12	ALDH1L2	105413568	rs11112358	12	105466332	C	T	0.698807	-0.0005625	0.00841343	0.9467	0.341756	0.0524187	7.04E-11	-0.0016458	0.0246195	0.9467026	0.6381315	20	0.99338916
ENSG00000136051	12	KIAA1033	105501102	rs1196837	12	105514480	G	A	0.565606	-0.0084846	0.0081248	0.296356	-0.472664	0.052576	2.47E-19	0.0179505	0.017305	0.2995945	0.4664672	20	0.77863838
ENSG00000136044	12	APPL2	105567074	rs2440707	12	105616243	A	G	0.661034	-0.0052143	0.00841247	0.535369	-0.47757	0.052996	2.03E-19	0.0109184	0.0176568	0.5363315	0.5703959	20	0.87578658
ENSG00000074590	12	NUAK1	106457118	rs880298	12	106443134	T	C	0.535785	0.0106095	0.00809715	0.190101	0.467873	0.05627	9.19E-17	0.022676	0.0175199	0.1955605	0.02095484	6	0.69727012
ENSG00000110851	12	PRDM4	108126643	rs1814335	12	108150758	A	C	0.417495	0.0124219	0.00829966	0.134479	0.250898	0.0436038	8.71E-09	0.0495098	0.0341805	0.1474834	0.7091524	5	0.64632659
ENSG00000174600	12	CMKLR1	108681821	rs118018079	12	108753854	A	G	0.0218688	-0.059062	0.027742	0.033256	1.29036	0.20669	4.29E-10	-0.0457717	0.0227152	0.04390169	0.9468238	6	0.46298832
ENSG00000110880	12	CORO1C	109038885	rs7975500	12	109161832	T	A	0.282306	-0.0095603	0.00838118	0.254	-0.446132	0.0667225	2.29E-11	0.0214294	0.0190577	0.2608249	0.90186	14	0.74586579
ENSG00000110887	12	DAO	109252708	rs35258241	12	109290068	G	A	0.276342	0.0114773	0.00916819	0.210622	-0.233543	0.0426127	4.24E-08	-0.0491443	0.0402681	0.2223026	0.5011117	5	0.72284625
ENSG00000151148	12	UBE3B	109915207	rs1541597	12	110044918	T	G	0.199801	0.0246496	0.00925728	0.00775122	0.422129	0.0729794	7.28E-09	0.0583935	0.0241421	0.01557411	0.7913957	14	0.34725322
ENSG00000139428	12	MMAB	109991542	rs11836136	12	110006512	G	A	0.2833	0.025296	0.00875852	0.00387498	-0.519055	0.0629544	1.65E-16	-0.0487347	0.0178793	0.00641531	0.1222119	15	0.26570111
ENSG00000139433	12	GLTP	110288748	rs7304559	12	110289501	G	T	0.56163	0.00863045	0.00821523	0.293469	-0.403849	0.0493467	2.75E-16	-0.0213705	0.0205092	0.297415	0.09215575	20	0.77863838
ENSG00000076513	12	ANKRD13A	110436991	rs56247994	12	110423233	G	A	0.0705765	-0.056112	0.0196641	0.00432364	-0.634728	0.105505	1.79E-09	0.0884032	0.0342886	0.0099314	0.5506467	9	0.31486913
ENSG00000174437	12	ATP2A2	110718561	rs11612572	12	110792131	C	T	0.0675944	0.0294101	0.015207	0.0531153	0.441595	0.0802789	3.78E-08	0.0665997	0.0365029	0.06807595	0.8174705	3	0.51760311
ENSG00000196510	12	ANAPC7	110810705	rs151077602	12	110856124	T	C	0.0675944	0.0294259	0.015212	0.0530652	0.621053	0.0958557	9.23E-11	0.0473807	0.0255623	0.06380504	0.6668424	3	0.50845953
ENSG00000089022	12	MAPKAPK5	112279782	rs57168159	12	112626845	C	T	0.0954274	-0.0158252	0.0122804	0.197516	-0.551932	0.0936611	3.80E-09	0.0286724	0.0227756	0.2080645	0.1583621	10	0.70786449
ENSG00000111300	12	NAA25	112464500	rs76296879	12	112830055	T	G	0.082505	-0.0142531	0.0129875	0.272447	0.864612	0.0842464	1.04E-24	-0.016485	0.0151068	0.2751733	0.2816814	19	0.76300803
ENSG00000135148	12	TRAFD1	112563305	rs139215385	12	112026663	A	G	0.0149105	0.0333721	0.0444084	0.452362	-1.50049	0.271151	3.13E-08	-0.0222408	0.0298676	0.4564852	0.07595659	3	0.85417294
ENSG00000122965	12	RBM19	114254543	rs7970186	12	114256137	C	T	0.383698	-0.0117403	0.00838039	0.161236	0.733858	0.0755522	2.65E-22	-0.0159981	0.0115378	0.1655705	0.1854738	17	0.66346653
ENSG00000196668	12	LINC00173	116971227	rs10850662	12	116974128	A	C	0.0576541	-0.0143966	0.0227188	0.526285	-0.81639	0.0860818	2.45E-21	0.0176345	0.0278904	0.527206	0.2357976	8	0.87557054
ENSG00000176834	12	VSIG10	118501398	rs6490170	12	118569822	T	C	0.271372	0.00946016	0.00924766	0.306318	-0.418796	0.0627577	2.50E-11	-0.0225889	0.0223395	0.3119366	0.2722386	5	0.78351155
ENSG00000089220	12	PEBP1	118573663	rs2018619	12	118612614	A	G	0.500994	-0.0047147	0.00807041	0.559088	-0.424986	0.0490252	4.37E-18	0.0110938	0.0190329	0.5599775	0.2803885	20	0.88271976
ENSG00000135127	12	CCDC64	120427673	rs11064996	12	120457783	A	G	0.105368	0.00311624	0.0132282	0.813762	0.659	0.0857296	1.51E-14	0.00472874	0.0200826	0.8138479	0.4898112	8	0.96637758
ENSG00000089154	12	GCN1L1	120565007	rs4503602	12	120588852	G	A	0.741551	0.0184752	0.00899873	0.0400636	0.271068	0.0410256	3.91E-11	0.0681571	0.0347631	0.04992362	0.639608	7	0.48438334
ENSG00000257218	12	GATC	120884241	rs112026641	12	120867873	A	C	0.0954274	0.00279794	0.0119824	0.815371	0.688972	0.0933524	1.58E-13	0.00406104	0.0174004	0.8154606	0.446747	15	0.96637758
ENSG00000110871	12	COQ5	120941077	rs643372	12	121022640	G	C	0.280318	-0.0016094	0.00860471	0.851636	0.623757	0.0679353	4.25E-20	-0.0025801	0.0137978	0.8516665	0.5435617	10	0.97754318
ENSG00000167272	12	POP5	121016567	rs680795	12	120906034	G	C	0.648111	0.0100653	0.00871923	0.248346	0.30017	0.0503011	2.41E-09	0.033532	0.0295861	0.2570596	0.1226595	12	0.74586579
ENSG00000122971	12	ACADS	121163538	rs2239760	12	121163518	A	C	0.425447	0.013573	0.00820316	0.0980054	0.545036	0.0428374	4.38E-37	0.0249029	0.0151774	0.100841	0.4308038	20	0.5994087
ENSG00000157837	12	SPPL3	121200313	rs1696357	12	121348649	C	T	0.481113	0.0257309	0.00809402	0.00147785	-0.472239	0.0533187	8.23E-19	-0.054487	0.0182103	0.00277063	0.8884817	20	0.21516834
ENSG00000157895	12	C12orf43	121440225	rs73214155	12	121454342	A	T	0.105368	0.0377217	0.017866	0.0347408	0.44601	0.0580946	1.62E-14	0.0845759	0.0415446	0.04177195	0.2939794	10	0.4518721
ENSG00000089041	12	P2RX7	121570622	rs208311	12	121604314	G	A	0.285288	0.00864173	0.00899597	0.336742	0.352256	0.0567938	5.56E-10	0.0245325	0.0258426	0.342466	0.8122913	9	0.80972215
ENSG00000135124	12	P2RX4	121647660	rs28360467	12	121648132	T	G	0.0924453	-0.0077819	0.012544	0.535015	-1.00229	0.116692	8.76E-18	0.00776412	0.0125479	0.5360768	0.6439095	8	0.87578658
ENSG00000089053	12	ANAPC5	121746048	rs1799525	12	121789927	A	C	0.648111	-3.81E-05	0.00898321	0.99662	0.458524	0.0536551	1.28E-17	-8.30E-05	0.0195916	0.9966202	0.8276578	4	0.99906546
ENSG00000139714	12	MORN3	122089024	rs11502393	12	122059811	G	C	0.180915	0.00370095	0.011428	0.746054	0.703157	0.0862814	3.65E-16	0.00526333	0.0162652	0.7462455	0.4670872	13	0.94803543
ENSG00000188735	12	TMEM120B	122150658	rs11614326	12	122269182	A	G	0.510934	-0.010931	0.00813169	0.178869	0.295525	0.0525097	1.82E-08	-0.0369884	0.0282901	0.1910534	0.7998173	13	0.6894107
ENSG00000139725	12	RHOF	122215664	rs1667578	12	122238380	G	T	0.823062	0.00643443	0.0100774	0.523147	0.368243	0.0667262	3.41E-08	0.0174733	0.0275487	0.5259046	0.2026825	5	0.87552348
ENSG00000212694	12	AC084018.1	122233173	rs1667579	12	122239074	A	C	0.810139	0.00039814	0.00984558	0.967744	0.366982	0.0460889	1.69E-15	0.00108491	0.0268289	0.9677439	0.4132434	10	0.99660087
ENSG00000272849	12	RP11-347I19.8	122235417	rs2019561	12	122250617	C	T	0.822068	0.00533992	0.0100559	0.595404	0.577376	0.0622504	1.78E-20	0.0092486	0.0174451	0.5960042	0.1556918	13	0.89899975
ENSG00000158023	12	WDR66	122355768	rs10743187	12	122362432	A	G	0.563618	-0.0050098	0.00810154	0.53633	-0.557618	0.069313	8.63E-16	0.00898423	0.0145717	0.537529	0.1583527	20	0.87578658
ENSG00000158113	12	LRRC43	122652285	rs77165791	12	122667631	G	T	0.176938	-0.0242411	0.0111899	0.0302859	0.613988	0.0992894	6.26E-10	-0.0394814	0.0193109	0.04090324	0.4081989	9	0.44727382
ENSG00000130787	12	HIP1R	123319000	rs10847864	12	123326598	T	G	0.338966	-0.0172919	0.00856098	0.043399	-0.415526	0.0517116	9.32E-16	0.0416145	0.0212437	0.05012322	0.1480486	10	0.48438334
ENSG00000150967	12	ABCB9	123405498	rs73230058	12	123593899	T	C	0.0805169	0.0225699	0.01151	0.0498919	0.40935	0.0664582	7.30E-10	0.0551359	0.0295082	0.06169307	0.724762	6	0.50814002
ENSG00000090975	12	PITPNM2	123468027	rs1727293	12	123648032	T	C	0.688867	0.0197169	0.00917875	0.0317059	0.388298	0.0606271	1.51E-10	0.0507778	0.0249325	0.04168952	0.01090906	10	0.4518721
ENSG00000235423	12	RP11-282O18.3	123736577	rs1630820	12	123516917	G	C	0.766402	0.0283173	0.0102819	0.00588545	0.509761	0.0823606	6.04E-10	0.0555502	0.0220767	0.0118618	0.2853598	12	0.32568321
ENSG00000256092	12	hsa-mir-8072	123848415	rs112223429	12	123849523	T	C	0.0357853	-0.0140809	0.0173372	0.416689	1.37932	0.228446	1.56E-09	-0.0102086	0.0126826	0.4208608	0.06571246	3	0.84131573
ENSG00000183955	12	SETD8	123868320	rs28533432	12	123873242	T	C	0.670974	0.02799	0.0086482	0.00121001	0.493744	0.0636688	8.84E-15	0.0566893	0.0189798	0.00281893	0.1527347	20	0.21530676
ENSG00000111364	12	DDX55	124086624	rs61678733	12	124094174	C	T	0.114314	0.0190249	0.0141429	0.178563	-0.857851	0.0862863	2.74E-23	-0.0221774	0.0166367	0.1825174	0.9294218	20	0.67900374
ENSG00000111358	12	GTF2H3	124118375	rs7957429	12	124182143	C	T	0.306163	0.00683118	0.00883528	0.439421	-0.380097	0.0627586	1.39E-09	-0.0179722	0.0234334	0.4431133	0.2627999	15	0.85417294
ENSG00000168778	12	TCTN2	124155660	rs66647364	12	124197280	C	A	0.375746	0.00641472	0.00864685	0.458175	0.424426	0.0585467	4.19E-13	0.0151139	0.0204794	0.4605132	0.4389433	13	0.8565704
ENSG00000081760	12	AACS	125549925	rs12316499	12	125593318	A	G	0.361829	0.00606119	0.00822771	0.461317	0.50691	0.0730816	4.03E-12	0.0119571	0.0163224	0.4638268	0.03563862	20	0.85740342
ENSG00000139364	12	TMEM132B	125671382	rs1029075	12	125636085	C	G	0.374751	0.00298548	0.00810584	0.71264	0.664665	0.0882253	4.93E-14	0.00449171	0.0122099	0.712968	0.1555931	20	0.93968224
ENSG00000250208	12	FZD10-AS1	130634894	rs12814049	12	130639386	A	G	0.182903	0.00692894	0.0130031	0.594127	0.493584	0.0732769	1.63E-11	0.014038	0.0264266	0.5952742	0.07084971	5	0.8982887
ENSG00000111450	12	STX2	131274145	rs7954011	12	131319296	G	A	0.10338	0.00992767	0.0136677	0.467618	-0.737815	0.109797	1.82E-11	-0.0134555	0.0186325	0.4702002	0.6561265	11	0.85740342
ENSG00000256250	12	RP11-989F5.1	131295151	rs7295705	12	131301885	T	C	0.657058	-0.0010196	0.0087488	0.907224	-0.813164	0.0849013	9.92E-22	0.00125386	0.0107598	0.907231	0.9389394	8	0.98739107
ENSG00000256299	12	RP11-989F5.3	131295366	rs10848209	12	131311272	G	A	0.658052	-0.0010387	0.00874933	0.905496	-0.709905	0.0905451	4.49E-15	0.0014632	0.0123261	0.9055071	0.9153171	5	0.98738077
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.687245	0.0871531	3.13E-15	-0.0048456	0.0118376	0.6822941	0.4905136	10	0.92761836
ENSG00000198598	12	MMP17	132312938	rs7487262	12	132336900	A	G	0.668986	-0.0100881	0.00820451	0.218854	0.582184	0.0789716	1.68E-13	-0.017328	0.0142873	0.2251963	0.403888	20	0.7258405
ENSG00000177169	12	ULK1	132379196	rs7487262	12	132336900	A	G	0.668986	-0.0100881	0.00820451	0.218854	-0.353226	0.0407797	4.64E-18	0.0285599	0.0234602	0.2234614	0.5459065	20	0.72395175
ENSG00000185684	12	EP400NL	132568828	rs61942869	12	132593606	A	G	0.136183	0.0132556	0.00959571	0.167154	-0.640928	0.0843234	2.94E-14	-0.0206819	0.0152168	0.1741008	0.09208377	8	0.67151653
ENSG00000185163	12	DDX51	132621139	rs60927391	12	132626425	A	G	0.180915	0.0103957	0.0090993	0.25326	-0.591921	0.0761998	7.97E-15	-0.0175626	0.0155379	0.2583443	0.1590967	17	0.74586579
ENSG00000256576	12	RP13-977J11.2	132671287	rs7307766	12	132674118	T	G	0.503976	-0.0125519	0.00814085	0.123114	-0.478487	0.0671056	1.00E-12	0.0262325	0.017407	0.1318077	0.6021096	18	0.63721248
ENSG00000182870	12	GALNT9	132680924	rs28733501	12	132807871	T	C	0.0367793	0.00416442	0.0291588	0.886433	0.877149	0.133499	5.02E-11	0.00474768	0.0332506	0.8864601	0.8956184	9	0.98384971
ENSG00000255916	12	RP13-895J2.7	132906436	rs61945705	12	132901693	T	C	0.0675944	-0.0033817	0.0177691	0.849066	0.755337	0.115456	6.06E-11	-0.004477	0.0235347	0.8491287	0.7464879	9	0.97747911
ENSG00000177084	12	POLE	133200348	rs5744839	12	133239844	A	G	0.565606	0.0128516	0.00814456	0.114579	-1.18535	0.0573206	5.32E-95	-0.010842	0.00689099	0.1156348	0.2637137	20	0.61814955
ENSG00000176894	12	PXMP2	133264192	rs5744983	12	133213401	A	G	0.135189	0.0233605	0.0112797	0.0383566	0.600101	0.0960461	4.16E-10	0.0389276	0.019802	0.04931694	0.5225016	6	0.48387846
ENSG00000072609	12	CHFR	133398773	rs77770402	12	133422998	A	G	0.563618	-0.0032012	0.00813729	0.694025	-0.416386	0.0554488	5.94E-14	0.00768808	0.0195695	0.6944219	0.3861675	20	0.93548391
ENSG00000196458	12	ZNF605	133498019	rs2933	12	133518838	A	G	0.217694	0.00928815	0.010014	0.353659	0.515259	0.0555685	1.82E-20	0.0180262	0.0195319	0.3560537	0.358372	19	0.81746804
ENSG00000196387	12	ZNF140	133656424	rs11608611	12	133697131	G	A	0.245527	0.00474026	0.00874401	0.587738	0.326349	0.056657	8.41E-09	0.0145251	0.0269118	0.5893833	0.6188378	4	0.89548788
ENSG00000090612	12	ZNF268	133707570	rs36127651	12	133797105	C	T	0.704771	-0.0055028	0.00883329	0.533314	0.361963	0.0574964	3.07E-10	-0.0152025	0.024523	0.5353051	0.7552621	20	0.87557054
ENSG00000121742	13	GJB6	20796110	rs149112244	13	20785249	T	C	0.0606362	-0.010677	0.0284198	0.707149	0.867283	0.122053	1.20E-12	-0.0123109	0.0328145	0.7075379	0.5549287	20	0.93909915
ENSG00000032742	13	IFT88	21140585	rs17056099	13	21263981	A	G	0.17495	0.0227515	0.0119294	0.0564976	0.494451	0.0650547	2.95E-14	0.0460137	0.0248745	0.06433787	0.5320891	15	0.50845953
ENSG00000238286	13	SLC35E1P1	21181407	rs4261375	13	21142705	C	A	0.865805	-0.0261192	0.0122643	0.0331971	-1.03581	0.119921	5.75E-18	0.0252162	0.0121949	0.038662	0.807772	19	0.44087342
ENSG00000132953	13	XPO4	21351469	rs2762996	13	21373908	C	A	0.182903	0.0040196	0.0093052	0.66576	-0.50852	0.0669945	3.19E-14	-0.0079045	0.0183282	0.6662679	0.6061129	20	0.92466627
ENSG00000150457	13	LATS2	21547171	rs9509513	13	21632228	A	G	0.688867	0.00223551	0.00946471	0.813282	0.505867	0.0728633	3.85E-12	0.00441917	0.0187207	0.8133879	0.3841092	15	0.9663654
ENSG00000151835	13	SACS	23902965	rs17378869	13	23931733	A	C	0.146123	0.00185743	0.011542	0.872151	-0.714525	0.0978403	2.81E-13	-0.0025995	0.0161573	0.8721809	0.6927699	11	0.97882059
ENSG00000027001	13	MIPEP	24304328	rs11617019	13	24444557	C	T	0.133201	-0.0232122	0.0139509	0.0961435	1.19276	0.110099	2.39E-27	-0.0194609	0.0118335	0.1000592	0.7426682	13	0.5994087
ENSG00000151849	13	CENPJ	25457171	rs2483380	13	25541467	T	C	0.407555	0.00746747	0.00873707	0.392725	-0.658907	0.0680265	3.46E-22	-0.0113331	0.0133115	0.3945583	0.9324201	20	0.82770689
ENSG00000253771	13	TPTE2P1	25498815	rs9553464	13	25474845	A	G	0.486083	-0.0060663	0.00811254	0.454596	0.353866	0.0623694	1.40E-08	-0.017143	0.0231237	0.4584739	0.7995024	3	0.85598775
ENSG00000139505	13	MTMR6	25802307	rs11556094	13	25876007	C	G	0.0129225	0.00964889	0.0384323	0.801766	0.941341	0.1596	3.68E-09	0.0102502	0.0408642	0.8019418	0.7967283	7	0.96400146
ENSG00000132970	13	WASF3	27131840	rs9512322	13	27244075	C	G	0.298211	-0.0129766	0.00894909	0.147045	-0.376856	0.0496132	3.06E-14	0.0344338	0.0241755	0.1543521	0.6967541	20	0.65263372
ENSG00000132975	13	GPR12	27329341	rs943721	13	27361090	G	A	0.698807	0.0298184	0.00887935	0.00078459	0.460838	0.0466794	5.48E-23	0.0647047	0.020352	0.00147644	0.00496934	20	0.16825689
ENSG00000139517	13	LNX2	28120050	rs79210301	13	28206542	G	A	0.0715706	-0.0200484	0.0165435	0.225567	1.28122	0.12711	6.80E-24	-0.0156479	0.0130053	0.228901	0.5428805	13	0.7275513
ENSG00000186184	13	POLR1D	28194903	rs79210301	13	28206542	G	A	0.0715706	-0.0200484	0.0165435	0.225567	1.32877	0.128552	4.82E-25	-0.0150879	0.0125355	0.2287382	0.486299	17	0.7275513
ENSG00000165556	13	CDX2	28536274	rs2481968	13	28567172	C	A	0.473161	-0.0052227	0.00810458	0.51931	-0.52854	0.0804342	5.00E-11	0.0098813	0.0154075	0.521307	0.04843943	5	0.87239215
ENSG00000183463	13	URAD	28551851	rs9512957	13	28564626	A	G	0.521869	-0.0038459	0.00809491	0.634715	0.664518	0.0856321	8.48E-15	-0.0057875	0.0122044	0.6353479	0.4151472	8	0.91732007
ENSG00000122025	13	FLT3	28577411	rs61944700	13	28606179	A	T	0.190855	0.0171366	0.0109273	0.116827	1.26288	0.07144	6.25E-70	0.0135695	0.00868667	0.1182639	0.8304929	17	0.62295184
ENSG00000139508	13	SLC46A3	29274201	rs3764098	13	29292872	G	A	0.693837	-0.0158329	0.00953204	0.0967097	-0.550581	0.0530704	3.24E-25	0.0287567	0.0175332	0.100978	0.2922729	20	0.5994087
ENSG00000102781	13	KATNAL1	30776767	rs6490453	13	30881573	C	T	0.441352	0.00591261	0.00812799	0.466958	-0.398422	0.0562261	1.38E-12	-0.0148401	0.0205077	0.4692898	0.01659972	4	0.85740342
ENSG00000120669	13	SOHLH2	36742345	rs9531684	13	36836802	A	G	0.470179	0.0153024	0.00822013	0.0626628	0.755514	0.0717137	5.95E-26	0.0202543	0.0110487	0.06677621	0.9381575	20	0.51470776
ENSG00000120693	13	SMAD9	37418968	rs680568	13	37468258	G	T	0.466203	-0.000199	0.00814983	0.980524	0.304487	0.0435313	2.66E-12	-0.0006534	0.0267659	0.9805243	0.07961084	12	0.99743376
ENSG00000120699	13	EXOSC8	37572953	rs9547722	13	37628854	A	T	0.913519	0.00883351	0.0149572	0.554798	0.365916	0.0664667	3.69E-08	0.0241408	0.0411106	0.5570583	0.4407979	3	0.88271976
ENSG00000150893	13	FREM2	39261266	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.503314	0.0591007	1.65E-17	0.0233095	0.0165291	0.1584774	0.08594977	8	0.65838318
ENSG00000183722	13	LHFP	39917029	rs9566397	13	39675294	T	C	0.0735586	0.0316646	0.0147546	0.0318669	-0.668818	0.102022	5.54E-11	-0.0473441	0.0232127	0.04139268	0.3059072	20	0.44969935
ENSG00000168852	13	TPTE2P5	41396432	rs7995170	13	41465379	C	G	0.706759	-0.0098326	0.00868454	0.25755	0.653513	0.0824474	2.26E-15	-0.0150458	0.0134239	0.2623627	0.8636949	14	0.74595058
ENSG00000176268	13	CYCSP34	41437735	rs9532620	13	41443117	A	G	0.706759	-0.0078128	0.00875018	0.371926	0.860856	0.085558	8.16E-24	-0.0090756	0.0102045	0.3738005	0.4683496	20	0.82005224
ENSG00000239827	13	SUGT1P3	41482295	rs9532620	13	41443117	A	G	0.706759	-0.0078128	0.00875018	0.371926	-0.712089	0.105932	1.79E-11	0.0109716	0.012396	0.3761036	0.1693743	7	0.82033551
ENSG00000120662	13	MTRF1	41790505	rs12873706	13	41882626	A	G	0.720676	0.0154296	0.00994096	0.120632	0.527962	0.0616918	1.15E-17	0.0292248	0.0191361	0.1267089	0.6458527	10	0.63619479
ENSG00000172766	13	NAA16	41885341	rs9590589	13	41915403	G	A	0.0646123	-0.0189435	0.0167376	0.257721	-0.444568	0.0798304	2.56E-08	0.042611	0.0384188	0.2673788	0.9160762	7	0.75300036
ENSG00000023516	13	AKAP11	42846289	rs78738581	13	42843630	A	G	0.229622	0.00867622	0.0088855	0.328843	-0.488176	0.0466664	1.31E-25	-0.0177727	0.0182805	0.3309407	0.7154056	20	0.79942417
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-1.14798	0.0700192	2.07E-60	-0.0012692	0.00831489	0.8786771	0.1055616	20	0.98147823
ENSG00000151773	13	CCDC122	44398045	rs9788406	13	44414766	T	C	0.496024	-0.001887	0.00807039	0.815131	0.613589	0.0746854	2.11E-16	-0.0030753	0.0131581	0.8152038	0.4351758	20	0.96637758
ENSG00000179630	13	LACC1	44453420	rs12871262	13	44392753	T	C	0.520875	0.00348204	0.00812711	0.668325	0.45332	0.0634848	9.29E-13	0.0076812	0.0179602	0.6688853	0.09058928	20	0.92466627
ENSG00000227258	13	SMIM2-AS1	44716682	rs66786230	13	44711625	C	T	0.149105	0.00035869	0.0122742	0.976687	1.25882	0.125974	1.64E-23	0.00028494	0.0097506	0.9766867	0.1559744	20	0.99743145
ENSG00000133114	13	GPALPP1	45563687	rs111890313	13	45534459	G	A	0.0149105	0.00260394	0.0348006	0.940354	-0.499433	0.0805717	5.70E-10	-0.0052138	0.0696853	0.9403586	0.3760287	3	0.99338916
ENSG00000170919	13	TPT1-AS1	45915480	rs9595303	13	45901354	G	A	0.126243	-0.0250206	0.0136513	0.0668267	0.653231	0.0971698	1.79E-11	-0.0383028	0.0216609	0.0770118	0.6212557	5	0.5476368
ENSG00000136152	13	COG3	46039060	rs9316145	13	46113074	C	G	0.815109	0.0164671	0.00994799	0.0978588	0.453112	0.0648804	2.87E-12	0.0363422	0.0225631	0.1072466	0.3982966	6	0.60962213
ENSG00000235903	13	CPB2-AS1	46626941	rs17600984	13	46675714	A	C	0.261431	0.00027308	0.00886137	0.975416	1.09723	0.0913576	3.14E-33	0.00024888	0.00807615	0.9754156	0.1062375	20	0.99743145
ENSG00000231817	13	RP11-189B4.6	47029270	rs4942542	13	47042298	C	T	0.201789	0.00679631	0.00940073	0.469707	1.24687	0.0879676	1.32E-45	0.0054507	0.00754926	0.470284	0.6251671	17	0.85740342
ENSG00000260388	13	LINC00562	48504290	rs6561433	13	48624737	T	G	0.94334	-0.010239	0.0151529	0.499222	0.739444	0.123655	2.23E-09	-0.0138469	0.0206227	0.5019408	0.9898217	4	0.86667263
ENSG00000136143	13	SUCLA2	48510622	rs2094194	13	48501250	C	T	0.728628	0.00847681	0.00989398	0.391575	-0.221054	0.0342637	1.11E-10	-0.0383472	0.0451512	0.3957099	0.6448726	12	0.82770689
ENSG00000136159	13	NUDT15	48611703	rs2765077	13	48712946	C	A	0.0516899	0.00996421	0.0149713	0.505695	0.748462	0.118423	2.61E-10	0.0133129	0.0201134	0.508039	0.9894296	13	0.86831771
ENSG00000136146	13	MED4	48627459	rs2025864	13	48688461	C	T	0.94334	-0.0094579	0.0149393	0.526674	0.413455	0.0695757	2.81E-09	-0.0228754	0.0363373	0.5290029	0.9800059	6	0.87557054
ENSG00000102543	13	CDADC1	49822047	rs3087770	13	49867290	C	T	0.309145	-0.0070057	0.00868055	0.419632	-0.775895	0.0740861	1.15E-25	0.00902922	0.011221	0.4210073	0.00418328	18	0.84131573
ENSG00000102547	13	CAB39L	49882786	rs9535201	13	49897577	G	A	0.234592	-0.0048667	0.0101722	0.632346	-0.618439	0.0714226	4.76E-18	0.00786925	0.0164733	0.6328653	0.04007523	20	0.91688388
ENSG00000136169	13	SETDB2	50018429	rs4942830	13	50019376	A	T	0.528827	-0.0148893	0.00806564	0.0648903	0.348761	0.0543814	1.42E-10	-0.042692	0.0240656	0.07606532	0.8393781	6	0.54584679
ENSG00000136144	13	RCBTB1	50106082	rs9535276	13	50202082	C	T	0.770378	-0.0124195	0.00886053	0.161017	0.28616	0.0499082	9.82E-09	-0.0434005	0.0318753	0.1733331	0.6640365	11	0.67151653
ENSG00000123179	13	EBPL	50234859	rs9568308	13	50265238	T	C	0.0735586	0.00708956	0.0140422	0.613646	-1.35915	0.12825	3.05E-26	-0.0052162	0.0103433	0.6140482	0.6058514	20	0.90683002
ENSG00000204977	13	TRIM13	50570024	rs6561575	13	50677611	A	G	0.136183	-0.0159672	0.0113388	0.159074	0.453698	0.0774917	4.78E-09	-0.0351935	0.0257047	0.1709537	0.7657936	8	0.67130688
ENSG00000198553	13	KCNRG	50589390	rs732729	13	50513535	A	T	0.152087	-0.0171476	0.0104635	0.101255	0.767309	0.133747	9.64E-09	-0.0223477	0.0141821	0.1150784	0.5692592	10	0.61794187

ENSG00000186047	13	DLEU7	51285144	rs9316507	13	51413952	C	A	0.197813	-0.0179545	0.00967228	0.0634132	-0.48918	0.0864287	1.51E-08	0.0367033	0.0208087	0.07775836	0.6091696	5	0.54899145
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs9526708	13	51500691	A	G	0.318091	-0.0057386	0.00866177	0.507637	-1.22892	0.0869276	2.24E-45	0.00466964	0.00705601	0.5081017	0.2887434	20	0.86831771
ENSG00000136104	13	RNASEH2B	51483814	rs112702177	13	51484003	C	G	0.0258449	6.82E-05	0.0235198	0.997687	-1.4211	0.202932	2.51E-12	-4.80E-05	0.0165504	0.9976871	0.9124096	6	0.99948878
ENSG00000150510	13	FAM124A	51796503	rs4942983	13	51817143	A	G	0.601392	-0.0038792	0.00823003	0.637396	0.393283	0.0582395	1.45E-11	-0.0098635	0.0209774	0.6382134	0.6746953	11	0.91799509
ENSG00000139668	13	WDFY2	52158644	rs9535739	13	52283300	T	C	0.170974	-0.0223183	0.0100968	0.0270745	0.559938	0.0853987	5.50E-11	-0.0398585	0.0190291	0.03620592	0.3245515	10	0.43455724
ENSG00000102796	13	DHRS12	52342129	rs1058142	13	52342206	A	G	0.217694	-0.0075106	0.00913931	0.411197	-0.28823	0.0522811	3.53E-08	0.0260576	0.0320587	0.4163275	0.01441297	4	0.83814174
ENSG00000123191	13	ATP7B	52506809	rs73184342	13	52613337	A	G	0.122266	-0.0045436	0.0122566	0.710853	-0.984196	0.10472	5.54E-21	0.0046166	0.0124631	0.7110684	0.256615	18	0.93968224
ENSG00000136108	13	CKAP2	53029564	rs9526927	13	53051627	T	C	0.564612	-0.0073419	0.00805726	0.362182	-0.764859	0.0559809	1.69E-42	0.00959902	0.0105577	0.3632468	0.00569997	20	0.81816933
ENSG00000139675	13	HNRNPA1L2	53191605	rs61958133	13	53181503	G	A	0.45328	-0.0014845	0.00814503	0.855385	-0.618273	0.0605818	1.87E-24	0.00240096	0.0131759	0.8554076	0.1098168	20	0.97828063
ENSG00000230223	13	ATXN8OS	70681345	rs3812855	13	70682923	A	G	0.275348	0.00027633	0.0100391	0.978041	0.869596	0.0768962	1.19E-29	0.00031777	0.0115446	0.9780408	0.4886752	20	0.99743145
ENSG00000083535	13	PIBF1	73356197	rs3782936	13	73389989	G	A	0.26839	-0.0187755	0.0087505	0.0319014	-0.52243	0.0674306	9.36E-15	0.0359388	0.0173801	0.03865727	0.8626672	18	0.44087342
ENSG00000102554	13	KLF5	73629114	rs9318132	13	73571073	C	A	0.693837	-0.0129617	0.00860333	0.131915	-0.601297	0.0907142	3.39E-11	0.0215562	0.0146729	0.1418	0.8242462	11	0.63982352
ENSG00000136111	13	TBC1D4	75858808	rs4883994	13	75882930	A	G	0.373757	-0.0076025	0.00858614	0.375918	0.510681	0.0733366	3.32E-12	-0.0148871	0.0169485	0.3797425	0.0526817	8	0.82033551
ENSG00000139746	13	RBM26	79885962	rs2760102	13	80129328	C	T	0.412525	-0.0077512	0.00845899	0.359496	-0.243202	0.0397878	9.81E-10	0.0318714	0.0351704	0.3648302	0.5598705	15	0.81816933
ENSG00000227354	13	RBM26-AS1	79980444	rs2296286	13	79980609	A	C	0.082505	0.00113198	0.0104274	0.913553	1.411	0.112406	3.84E-36	0.00080225	0.00739035	0.9135561	0.4372736	20	0.98753784
ENSG00000227676	13	LINC01068	80140881	rs7338530	13	80051850	T	C	0.593439	0.0073447	0.00847456	0.38612	-0.688303	0.0710608	3.45E-22	-0.0106707	0.0123614	0.3880123	0.4465156	20	0.82295689
ENSG00000229246	13	RP11-521J24.1	81617805	rs9593523	13	81621501	A	G	0.0437376	-0.0007216	0.0201301	0.971403	-1.30204	0.141093	2.75E-20	0.00055424	0.0154605	0.9714032	0.1199686	20	0.99667023
ENSG00000184564	13	SLITRK6	86366925	rs9319141	13	85906685	G	A	0.5	-0.0024152	0.00805779	0.764381	-1.01698	0.0781665	1.07E-38	0.00237486	0.00792536	0.7644411	0.1029008	20	0.95514229
ENSG00000165300	13	SLITRK5	88324870	rs9515780	13	87348850	C	T	0.0934394	-0.0087498	0.0180026	0.626947	0.63645	0.110855	9.40E-09	-0.0137478	0.0283871	0.6281759	0.2428006	9	0.91468363
ENSG00000080166	13	DCT	95089558	rs9561589	13	95163585	T	C	0.308151	-0.0153713	0.0083886	0.0668929	0.783867	0.0795272	6.42E-23	-0.0196096	0.0108849	0.07161839	0.275859	11	0.52709798
ENSG00000152767	13	FARP1	98794816	rs9517313	13	99105892	C	G	0.38171	0.0375757	0.00813445	3.85E-06	0.26241	0.0480814	4.83E-08	0.143195	0.0406122	0.00042204	0.06924951	12	0.15576743
ENSG00000102572	13	STK24	99102455	rs9517313	13	99105892	C	G	0.38171	0.0375757	0.00813445	3.85E-06	0.321365	0.0523613	8.39E-10	0.116925	0.0316805	0.00022358	0.03849969	6	0.12238708
ENSG00000088387	13	DOCK9	99445741	rs9584969	13	99562088	T	C	0.150099	-0.0045485	0.0122089	0.709478	0.423103	0.0743406	1.26E-08	-0.0107504	0.0289174	0.7100706	0.2211325	11	0.93968224
ENSG00000260992	13	DOCK9-AS2	99740073	rs7329691	13	99682233	C	A	0.0904573	-0.0115682	0.0144642	0.423835	-0.654803	0.103134	2.17E-10	0.0176667	0.022264	0.4274804	0.4419471	7	0.84634887
ENSG00000237082	13	COX5BP6	101276129	rs17475598	13	101287959	G	A	0.207753	-0.0034271	0.0102061	0.737033	-0.633631	0.109944	8.25E-09	0.00540861	0.0161346	0.7374614	0.5693678	6	0.94584644
ENSG00000102452	13	NALCN	101706130	rs16958936	13	102104943	A	G	0.39662	0.00084835	0.0081434	0.917029	-0.324746	0.0511351	2.14E-10	-0.0026124	0.0250796	0.9170401	0.2072811	5	0.98780912
ENSG00000198542	13	ITGBL1	102104966	rs16958936	13	102104943	A	G	0.39662	0.00084835	0.0081434	0.917029	-0.515407	0.0876193	4.05E-09	-0.001646	0.0158024	0.9170419	0.1317872	4	0.98780912
ENSG00000102466	13	FGF14	102372134	rs9554861	13	102922012	G	T	0.140159	-0.0063503	0.0114782	0.580095	-0.422203	0.0757872	2.53E-08	0.0150408	0.0273202	0.5819498	0.819328	7	0.89290364
ENSG00000139780	13	METTL21C	103338094	rs7981120	13	103346659	A	G	0.412525	-0.0013605	0.00806835	0.866093	0.632676	0.0716564	1.05E-18	-0.0021504	0.0127551	0.8661173	0.3542186	11	0.97828063
ENSG00000134897	13	BIVM	103451399	rs4743	13	103493825	G	C	0.476143	-0.0054449	0.00821484	0.507452	-0.315626	0.0468883	1.68E-11	0.0172511	0.026153	0.5094975	0.5571439	16	0.86857521
ENSG00000250878	13	METTL21EP	103532449	rs6491718	13	103536364	T	C	0.300199	-0.0015646	0.00842082	0.852598	-0.879067	0.0730645	2.43E-33	0.00177988	0.00958041	0.8526151	0.3031377	20	0.97754318
ENSG00000272542	13	RP11-255P5.2	103541208	rs9557948	13	103548391	G	A	0.249503	-0.0046739	0.00940339	0.619157	-0.772088	0.0892166	4.97E-18	0.00605358	0.0121992	0.6197347	0.1315969	20	0.91031887
ENSG00000213995	13	CARKD	111267881	rs191322	13	111290364	A	C	0.171968	0.0120294	0.00992359	0.225435	0.575532	0.0703448	2.80E-16	0.0209014	0.0174307	0.2304842	0.7137528	19	0.7275513
ENSG00000235875	13	ARHGEF7-AS2	111766159	rs4773327	13	111766177	G	A	0.45825	-0.0048182	0.00813503	0.553666	-0.852491	0.0867564	8.68E-23	0.00565187	0.00955998	0.5543855	0.00847194	16	0.88133611
ENSG00000102606	13	ARHGEF7	111766906	rs2296353	13	111933098	G	C	0.28827	-0.0291054	0.00844601	0.00056884	0.482977	0.0430707	3.50E-29	-0.0602625	0.0182945	0.00098766	0.2310858	20	0.16825689
ENSG00000126217	13	MCF2L	113548692	rs2993340	13	113596268	A	G	0.418489	-0.0031629	0.00811004	0.69654	-0.4582	0.0595974	1.49E-14	0.00690284	0.0177225	0.6969101	0.01566679	10	0.93608415
ENSG00000235280	13	MCF2L-AS1	113621798	rs3011475	13	113616866	C	T	0.685885	0.00175561	0.0082339	0.831157	-0.70806	0.0720869	9.02E-23	-0.0024795	0.0116316	0.8311966	0.730412	12	0.97127076
ENSG00000057593	13	F7	113760105	rs111174330	13	113767142	A	C	0.026839	-0.0363311	0.0210821	0.0848321	1.2705	0.215052	3.47E-09	-0.0285959	0.0172851	0.09805264	0.5566954	3	0.59814366
ENSG00000126231	13	PROZ	113812968	rs2476326	13	113828412	T	C	0.796223	0.0114732	0.00952823	0.22854	0.868909	0.0814581	1.45E-26	0.0132041	0.0110354	0.2314907	0.6021817	20	0.7275513
ENSG00000153531	13	ADPRHL1	114076260	rs145554461	13	114060456	A	C	0.0188867	0.0771094	0.0357891	0.0311968	2.14177	0.249278	8.56E-18	0.0360027	0.0172274	0.03663188	0.615401	5	0.43471496
ENSG00000150403	13	TMCO3	114145310	rs9577280	13	114212496	G	A	0.312127	0.0133524	0.00876046	0.127467	-0.825896	0.0778987	2.91E-26	-0.0161672	0.0107163	0.1313865	0.1372809	20	0.63721248
ENSG00000185989	13	RASA3	114747194	rs367312	13	114930195	A	G	0.484095	-0.0177504	0.00809695	0.0283629	-0.397508	0.06497	9.46E-10	0.0446542	0.0216373	0.03904081	0.7326348	20	0.44087342
ENSG00000130177	13	CDC16	115000362	rs7321688	13	115000365	A	C	0.257455	0.00822872	0.00952145	0.387462	0.384023	0.0471925	4.04E-16	0.0214277	0.0249334	0.3901218	0.9065389	20	0.82413137
ENSG00000169062	13	UPF3A	115047059	rs2039090	13	115012778	T	C	0.256461	0.00808883	0.00952243	0.395631	-0.349568	0.0626532	2.41E-08	-0.0231395	0.0275545	0.4010355	0.4573687	5	0.82963504
ENSG00000129484	14	PARP2	20811741	rs200223594	14	20825323	G	T	0.274354	0.0148524	0.0089056	0.0953652	0.428693	0.04565	5.95E-21	0.0346458	0.0210989	0.1005764	0.7342241	20	0.5994087
ENSG00000129566	14	TEP1	20833826	rs1713434	14	20881527	C	T	0.463221	-0.0032706	0.00854347	0.701859	-0.469316	0.0732269	1.46E-10	0.00696876	0.0182365	0.7023636	0.02445833	4	0.93781922
ENSG00000092094	14	OSGEP	20914570	rs2275007	14	20920250	C	T	0.628231	0.0120996	0.00856976	0.157981	0.689589	0.0519165	2.92E-40	0.0175461	0.0124974	0.1603232	0.0479161	14	0.65939472
ENSG00000258515	14	RP11-203M5.7	20919464	rs2275007	14	20920250	C	T	0.628231	0.0120996	0.00856976	0.157981	0.472276	0.0520819	1.21E-19	0.0256198	0.0183643	0.16299	0.04180616	12	0.66100772
ENSG00000092200	14	RPGRIP1	21756098	rs7155459	14	21768442	C	A	0.531809	-0.0048158	0.00814952	0.554563	0.528526	0.0871445	1.32E-09	-0.0091118	0.0154924	0.5564315	0.451467	10	0.88271976
ENSG00000211829	14	TRDC	22931924	rs2733779	14	22937823	T	C	0.275348	-0.0121715	0.00873978	0.163724	-0.500095	0.0781739	1.58E-10	0.0243384	0.0178856	0.1735822	0.9827781	3	0.67151653
ENSG00000235213	14	OR6E1P	23171352	rs1242744	14	23200170	A	G	0.481113	0.00411417	0.00832734	0.621267	0.509129	0.0885909	9.09E-09	0.0080808	0.0164164	0.6225496	0.5357395	5	0.91051849
ENSG00000100461	14	RBM23	23369854	rs61977741	14	23400979	C	G	0.579523	-0.0059124	0.00812299	0.466696	0.643282	0.0563972	3.89E-30	-0.0091911	0.0126531	0.4676012	0.02280403	20	0.85740342
ENSG00000092036	14	HAUS4	23415437	rs12880925	14	23426422	G	A	0.526839	-0.0050197	0.00807991	0.534429	-0.878126	0.0645041	3.33E-42	0.0057164	0.00921089	0.534854	0.02539741	20	0.87557054
ENSG00000100804	14	PSMB5	23485752	rs941718	14	23495048	C	T	0.301193	0.0268162	0.00872881	0.00212525	0.399095	0.0520389	1.73E-14	0.0671925	0.0235611	0.00434665	0.1003716	8	0.24661235
ENSG00000215256	14	DHRS4-AS1	24407940	rs6573486	14	24428509	A	G	0.0516899	0.0134252	0.0422139	0.750463	-1.06178	0.143687	1.47E-13	-0.0126441	0.0397945	0.7506869	0.2341896	11	0.95128523
ENSG00000157326	14	DHRS4	24422795	rs7146599	14	24527672	A	G	0.544732	-0.0105528	0.0080859	0.191862	0.480913	0.0748381	1.31E-10	-0.0219433	0.0171569	0.2009054	0.6464823	7	0.70136019
ENSG00000187630	14	DHRS4L2	24439148	rs7152726	14	24520218	C	T	0.531809	-0.0108859	0.00809988	0.178961	0.529979	0.0743669	1.03E-12	-0.0205402	0.0155528	0.1866085	0.3851074	13	0.68634888
ENSG00000186648	14	LRRC16B	24521206	rs11622481	14	24536750	G	C	0.567594	-0.0068956	0.00812723	0.396181	0.437706	0.0572532	2.09E-14	-0.015754	0.0186818	0.3990697	0.8947759	11	0.82963504
ENSG00000092295	14	TGM1	24718320	rs941504	14	24733467	T	C	0.944334	0.010418	0.0170707	0.541674	1.24578	0.111586	6.10E-29	0.00836263	0.0137233	0.5422755	0.4150147	10	0.87848534
ENSG00000157379	14	DHRS1	24759804	rs12892419	14	24768534	T	G	0.49503	0.010087	0.00805672	0.210573	-0.569523	0.072634	4.47E-15	-0.0177113	0.0143256	0.2163333	0.4526028	12	0.71793033
ENSG00000129467	14	ADCY4	24787555	rs79641626	14	24824170	T	C	0.242545	-0.0033748	0.0093368	0.717758	0.545285	0.0714735	2.36E-14	-0.0061891	0.017142	0.7180615	0.4051605	20	0.93968224
ENSG00000100441	14	KHNYN	24898492	rs4982912	14	24903284	G	A	0.763419	-0.0019119	0.00875807	0.827199	-0.488732	0.0602737	5.12E-16	0.00391186	0.0179265	0.8272602	0.04096623	5	0.96886182
ENSG00000092108	14	SCFD1	31091318	rs229152	14	31100685	C	T	0.365805	0.0167653	0.00854269	0.0497004	0.372994	0.0366081	2.22E-24	0.0449479	0.023324	0.05396609	0.8960809	20	0.49754873
ENSG00000129493	14	HEATR5A	31760994	rs12588420	14	31860536	C	G	0.579523	0.00497557	0.00806805	0.537433	0.3669	0.0612793	2.13E-09	0.0135611	0.0221061	0.5395756	0.9882509	7	0.87687618
ENSG00000203546	14	RP11-176H8.1	31803518	rs8004006	14	31943930	T	C	0.595427	0.00288466	0.00806185	0.72048	-0.613	0.0956797	1.49E-10	-0.0047058	0.013172	0.7208976	0.6525018	6	0.94000124
ENSG00000174373	14	RALGAPA1	36007558	rs28669373	14	36306407	C	G	0.145129	-0.0302169	0.0112283	0.00712066	0.798589	0.0848593	4.93E-21	-0.0378379	0.0146238	0.0096697	0.218154	16	0.31483445
ENSG00000150527	14	CTAGE5	39734488	rs2104531	14	39832275	G	A	0.27833	0.0193239	0.00940675	0.0399512	-0.386316	0.0595744	8.90E-11	-0.050021	0.0255425	0.0501899	0.6612363	16	0.48438334
ENSG00000271424	14	RP11-647O20.1	39839483	rs11157061	14	39811785	C	T	0.298211	0.0163672	0.00902306	0.0696883	0.664381	0.0987501	1.72E-11	0.0246353	0.0140661	0.07987853	0.2665277	20	0.55491203
ENSG00000165379	14	LRFN5	42076773	rs61990289	14	42076434	T	C	0.520875	-0.019773	0.00806723	0.0142452	-0.552364	0.0671267	1.89E-16	0.035797	0.015239	0.01882216	0.5968572	20	0.35949739
ENSG00000187790	14	FANCM	45605143	rs10141474	14	45612275	A	G	0.0675944	0.0165746	0.0141459	0.241323	0.78269	0.124462	3.20E-10	0.0211765	0.0183845	0.2493761	0.735717	12	0.74270962
ENSG00000165502	14	RPL36AL	50085237	rs11157696	14	50105746	G	C	0.758449	-0.0095141	0.00962516	0.322926	0.872203	0.0703425	2.63E-35	-0.0109081	0.0110705	0.3244583	0.6882825	20	0.79507147
ENSG00000100483	14	VCPKMT	50575350	rs73291673	14	50696798	G	A	0.148111	0.0196293	0.0102513	0.0555175	-0.519433	0.0740443	2.30E-12	-0.0377899	0.0204575	0.06471319	0.6676417	9	0.50845953
ENSG00000100485	14	SOS2	50583847	rs28711296	14	50564149	G	A	0.0924453	-0.016726	0.0170358	0.32619	0.542498	0.0681958	1.79E-15	-0.0308315	0.0316408	0.3298474	0.139925	7	0.79886945
ENSG00000087299	14	L2HGDH	50704281	rs1974327	14	50769901	G	A	0.547714	0.0152483	0.00818053	0.0623261	0.3489	0.0506483	5.63E-12	0.0437039	0.0242898	0.07197597	0.5403472	15	0.52783538
ENSG00000100503	14	NIN	51186481	rs1957392	14	51262562	T	C	0.134195	-0.0149273	0.0122416	0.222695	-0.521621	0.0694072	5.67E-14	0.0286171	0.0237753	0.2287247	0.9502862	10	0.7275513
ENSG00000100504	14	PYGL	51324609	rs11627694	14	51443968	T	C	0.0447316	0.00442128	0.0173991	0.799411	1.53244	0.16303	5.47E-21	0.00288512	0.011358	0.7994825	0.4003944	5	0.96314117
ENSG00000258711	14	RP11-218E20.3	51422977	rs11627694	14	51443968	T	C	0.0447316	0.00442128	0.0173991	0.799411	1.83158	0.226334	5.85E-16	0.00241392	0.00950419	0.7995075	0.5542413	9	0.96314117
ENSG00000186469	14	GNG2	52292913	rs34279972	14	52271614	C	T	0.395626	0.00499973	0.00831891	0.547835	-0.267509	0.0407739	5.35E-11	-0.0186899	0.0312279	0.5495051	0.3275403	15	0.88133611
ENSG00000087301	14	TXNDC16	52897308	rs112566626	14	53019946	T	C	0.0616302	-0.0048193	0.0203207	0.81253	-0.641531	0.0906944	1.51E-12	0.00751225	0.0316931	0.8126328	0.2154761	17	0.96594546
ENSG00000180998	14	GPR137C	53019866	rs6572853	14	53073928	A	G	0.926441	0.0231305	0.0183912	0.208503	0.453247	0.0751316	1.61E-09	0.0510329	0.041449	0.2182399	0.5855519	8	0.72283005
ENSG00000125378	14	BMP4	54416454	rs12893484	14	54414738	A	G	0.538767	0.00781695	0.00827288	0.344716	0.796891	0.0888982	3.13E-19	0.00980931	0.010439	0.3473804	0.07539295	20	0.8110906
ENSG00000100528	14	CNIH1	54893654	rs112586652	14	54906305	T	G	0.148111	-0.0084182	0.0116732	0.470811	0.523954	0.0569588	3.62E-20	-0.0160668	0.0223474	0.4721695	0.9997123	15	0.85740342
ENSG00000131979	14	GCH1	55308726	rs10138429	14	55335747	G	A	0.119284	-0.0009344	0.0110139	0.932387	-0.675748	0.102245	3.87E-11	0.00138282	0.0163002	0.9323929	0.1343816	6	0.99333365
ENSG00000178974	14	FBXO34	55738021	rs11547116	14	55738165	C	T	0.442346	0.00179311	0.00806543	0.824065	0.312186	0.0527885	3.34E-09	0.00574372	0.0258536	0.8241866	0.6502879	10	0.96886182
ENSG00000126775	14	ATG14	55833110	rs2182797	14	55811327	G	A	0.440358	0.00264758	0.00806233	0.742617	0.400872	0.0541219	1.29E-13	0.00660455	0.0201317	0.7428613	0.338158	20	0.94621977
ENSG00000126777	14	KTN1	56025790	rs28703642	14	56151603	T	G	0.272366	0.00329537	0.00862368	0.702365	-0.413046	0.0576224	7.60E-13	-0.0079782	0.0209079	0.7027666	0.1552528	15	0.93781922
ENSG00000070269	14	TMEM260	56955072	rs2151774	14	57056374	T	C	0.428429	0.0217636	0.00815988	0.0076498	-0.260783	0.0460986	1.54E-08	-0.0834548	0.0345932	0.01584513	0.1195061	7	0.34725322
ENSG00000151812	14	SLC35F4	58030640	rs1745694	14	58074272	T	C	0.763419	-0.0093106	0.00849281	0.272951	0.538232	0.0818259	4.78E-11	-0.0172985	0.0159967	0.2795294	0.2872159	5	0.76652901
ENSG00000131966	14	ACTR10	58666798	rs149103172	14	58998021	C	G	0.0159046	-0.0999471	0.0273409	0.0002566	-0.880812	0.134343	5.51E-11	0.113472	0.0355393	0.00140878	0.2994042	8	0.16825689
ENSG00000100578	14	KIAA0586	58894103	rs147956836	14	58943802	T	G	0.0188867	0.0190589	0.029851	0.523169	1.40508	0.187981	7.74E-14	0.0135643	0.0213224	0.5246779	0.1722269	3	0.87463667
ENSG00000181619	14	GPR135	59895740	rs9672051	14	59933474	C	G	0.425447	-0.007395	0.00881748	0.401652	-0.457026	0.0608011	5.62E-14	0.0161807	0.0194129	0.4045611	0.05223564	20	0.83172614
ENSG00000126790	14	L3HYPDH	59927081	rs1253098	14	59945536	G	A	0.469185	-0.0126899	0.00852617	0.136658	-0.641915	0.0660986	2.69E-22	0.0197688	0.0134375	0.1412451	0.5352957	20	0.63973458
ENSG00000126773	14	PCNXL4	60558629	rs944445	14	60628608	A	G	0.150099	0.00941148	0.0127687	0.461075	0.75376	0.0729203	4.80E-25	0.012486	0.016983	0.4622131	0.03407164	17	0.85658817
ENSG00000100614	14	PPM1A	60712470	rs61992495	14	60745330	C	T	0.137177	-0.0004901	0.0132788	0.970556	0.274871	0.0380878	5.32E-13	-0.0017832	0.0483098	0.9705559	0.01250725	16	0.99667023
ENSG00000250548	14	RP11-47I22.2	62023031	rs810087	14	62021879	G	A	0.862823	-0.0100953	0.0106821	0.344624	0.55494	0.0968742	1.01E-08	-0.0181917	0.0195093	0.3510976	0.7823069	8	0.81376292
ENSG00000054654	14	SYNE2	64319683	rs61985747	14	64297272	A	G	0.593439	-0.0017683	0.0082778	0.83084	-0.401341	0.0598975	2.08E-11	0.00440608	0.0206358	0.8309246	0.5459818	9	0.97117805
ENSG00000089775	14	ZBTB25	64915824	rs1256148	14	64933355	T	C	0.224652	0.0192438	0.0125105	0.123997	-0.366722	0.0537404	8.86E-12	-0.0524752	0.0349704	0.133469	0.4189093	14	0.63721248
ENSG00000258289	14	CHURC1	65381079	rs2412065	14	65407657	G	C	0.186879	0.00757463	0.00960444	0.430312	0.946852	0.0608105	1.15E-54	0.0079998	0.0101566	0.4309018	0.849689	20	0.84751306
ENSG00000139998	14	RAB15	65412532	rs4899156	14	65432602	A	G	0.101392	0.0086284	0.011788	0.464191	0.555718	0.0734457	3.84E-14	0.0155266	0.0213112	0.4662687	0.9042247	20	0.85740342
ENSG00000171723	14	GPHN	66974125	rs76036376	14	67232975	C	G	0.0298211	0.0146774	0.0173573	0.397773	1.25962	0.172134	2.52E-13	0.0116522	0.0138715	0.4009005	0.0532731	7	0.82963504
ENSG00000054690	14	PLEKHH1	68000018	rs7148708	14	68027479	T	C	0.333002	0.0136153	0.00832616	0.101998	0.295217	0.046314	1.84E-10	0.0461196	0.0291168	0.1132046	0.8276027	14	0.61693447
ENSG00000100568	14	VTI1B	68113792	rs55919049	14	68170643	T	C	0.589463	0.00696264	0.00809171	0.389533	-0.271835	0.0441683	7.53E-10	-0.0256135	0.0300565	0.3941156	0.9368696	8	0.82768412
ENSG00000259038	14	CTD-2325P2.4	69093883	rs2273485	14	69095099	T	G	0.124254	0.0154448	0.0104419	0.13911	0.619813	0.104449	2.95E-09	0.0249185	0.0173623	0.1512284	0.632013	8	0.65101824
ENSG00000100626	14	GALNT16	69725994	rs8016589	14	69820568	T	C	0.21173	-0.0119103	0.011986	0.32038	-0.699585	0.0768691	8.95E-20	0.0170248	0.0172348	0.3232439	0.731488	14	0.79421348
ENSG00000100678	14	SLC8A3	70510934	rs8018678	14	70598173	T	C	0.158052	0.02452	0.0123458	0.047023	-0.473026	0.0851218	2.74E-08	-0.0518365	0.0277165	0.06145041	0.3042966	3	0.50782216
ENSG00000213463	14	SYNJ2BP	70838148	rs11627020	14	70824143	G	C	0.161034	0.00830666	0.0101641	0.413784	-0.446044	0.0768151	6.37E-09	-0.018623	0.0230118	0.4183548	0.4469401	5	0.83995347
ENSG00000259158	14	ADAM20P1	70935598	rs1057127	14	71048558	T	C	0.183897	0.013437	0.0129484	0.299391	-0.339378	0.0612796	3.06E-08	-0.039593	0.0388173	0.3077366	0.7410313	20	0.77993977
ENSG00000006432	14	MAP3K9	71189243	rs8014624	14	71217628	T	A	0.502982	-0.0118358	0.00806011	0.141984	-0.292633	0.0516092	1.43E-08	0.0404459	0.0284521	0.1551585	0.8663939	8	0.65507035
ENSG00000100731	14	PCNX	71374122	rs2526881	14	71375170	T	C	0.573559	-0.0133224	0.00821894	0.105031	0.373534	0.0376797	3.64E-23	-0.0356658	0.0222954	0.1096661	0.2441873	20	0.61018579
ENSG00000119599	14	DCAF4	73393040	rs12587742	14	73393391	A	G	0.184891	0.00518021	0.00937873	0.580718	1.01857	0.0967392	6.35E-26	0.00508577	0.0092204	0.5812378	0.3778248	20	0.89290364
ENSG00000258695	14	RP3-414A15.2	73989582	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.805508	0.086043	7.85E-21	-0.0235651	0.0104082	0.02356812	0.4632796	20	0.38159045
ENSG00000184227	14	ACOT1	74003818	rs12433922	14	74038071	A	G	0.27336	-0.0085164	0.00936271	0.363031	0.866714	0.0868089	1.79E-23	-0.009826	0.0108473	0.3650133	0.178888	20	0.81816933
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.765411	0.0822548	1.34E-20	-0.0247996	0.0109573	0.02361758	0.1444606	20	0.38159045
ENSG00000119673	14	ACOT2	74034324	rs8015976	14	74055115	A	G	0.745527	0.018678	0.00923757	0.0431807	-0.524552	0.0791625	3.44E-11	-0.0356075	0.018412	0.05312201	0.376185	10	0.49408776
ENSG00000156030	14	ELMSAN1	74181825	rs60510049	14	74184917	G	A	0.125249	0.00616698	0.0140195	0.66002	-0.860485	0.0975724	1.16E-18	-0.0071669	0.0163128	0.6604154	0.9185869	16	0.92466627
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.30825	0.119149	4.77E-28	-0.0117885	0.00823691	0.1523786	0.7413187	20	0.65219838
ENSG00000140043	14	PTGR2	74318547	rs8020267	14	74318714	G	A	0.90159	-0.0144917	0.0156902	0.355688	-0.765317	0.102204	6.99E-14	0.0189356	0.0206569	0.3593166	0.9851383	13	0.81746804
ENSG00000119725	14	ZNF410	74353320	rs78113886	14	74302563	T	C	0.338966	-0.0089026	0.00842579	0.290699	-0.45882	0.0712024	1.16E-10	0.0194032	0.0186093	0.2971035	0.774468	7	0.77863838
ENSG00000119723	14	COQ6	74416629	rs12432077	14	74395128	C	G	0.410537	0.00315203	0.00808119	0.696503	-0.490012	0.0640082	1.93E-14	-0.0064326	0.0165132	0.6968767	0.4056557	17	0.93608415
ENSG00000187097	14	ENTPD5	74424713	rs62005067	14	74458663	C	T	0.208748	4.16E-05	0.0100285	0.996687	0.711316	0.0662733	7.12E-27	5.85E-05	0.0140985	0.9966872	0.9217374	20	0.99906546
ENSG00000119636	14	CCDC176	74486056	rs7153160	14	74509377	T	C	0.343936	-0.0020382	0.00889792	0.818823	0.38082	0.0660236	8.02E-09	-0.005352	0.0233836	0.8189632	0.8560872	12	0.96819735
ENSG00000119711	14	ALDH6A1	74523553	rs10147388	14	74662478	G	T	0.815109	0.00403548	0.0114458	0.724408	0.211933	0.0359053	3.58E-09	0.0190413	0.054103	0.724879	0.6023111	9	0.94070655
ENSG00000205659	14	LIN52	74551499	rs3213692	14	74420127	T	C	0.166998	-0.0095286	0.0107079	0.373536	-0.544636	0.0788094	4.82E-12	0.0174954	0.019823	0.3774614	0.9459757	18	0.82033551
ENSG00000119688	14	ABCD4	74752126	rs17098989	14	74734922	G	T	0.506958	-0.0004626	0.00819275	0.954973	0.226691	0.0376537	1.74E-09	-0.0020406	0.0361422	0.9549747	0.9571594	7	0.99512257
ENSG00000119685	14	TTLL5	76099968	rs7140617	14	76109364	A	C	0.746521	-0.0098799	0.0105073	0.347067	0.39235	0.0686363	1.09E-08	-0.0251813	0.0271403	0.3535005	0.1929542	12	0.81630601
ENSG00000259081	14	RP11-488C13.6	77240627	rs57335731	14	77276622	C	A	0.10835	-0.0114742	0.0113158	0.310585	0.67778	0.10637	1.87E-10	-0.0169291	0.0169055	0.3166347	0.1826884	5	0.78822495
ENSG00000165548	14	TMEM63C	77582911	rs113939311	14	77695014	A	G	0.130219	-0.0018344	0.0121146	0.879644	0.788726	0.0638639	4.87E-35	-0.0023258	0.0153609	0.8796529	0.6480323	20	0.98191477
ENSG00000269883	14	AC007375.1	77607026	rs4021330	14	77614541	A	G	0.648111	0.00839913	0.0081998	0.305689	-0.448152	0.0708086	2.47E-10	-0.0187417	0.018535	0.3119436	0.8271083	5	0.78351155
ENSG00000100577	14	GSTZ1	77787227	rs2193594	14	77786021	G	A	0.295229	-0.0002396	0.00836933	0.977156	0.502261	0.0677465	1.23E-13	-0.0004771	0.0166634	0.9771566	0.1459975	19	0.99743145
ENSG00000100601	14	ALKBH1	78138747	rs7147748	14	78154856	T	C	0.102386	-0.0084596	0.0119728	0.479837	0.703266	0.102908	8.26E-12	-0.012029	0.0171153	0.4821669	0.4479389	16	0.86066122
ENSG00000239272	14	RPL21P10	78149545	rs61993672	14	78192623	C	T	0.102386	-0.0080875	0.0119708	0.499295	1.35976	0.142328	1.25E-21	-0.0059477	0.0088256	0.5003637	0.4777699	20	0.86529448
ENSG00000063761	14	ADCK1	78266426	rs11159308	14	78374783	A	G	0.280318	-0.0037429	0.00919752	0.684047	-0.741385	0.0684213	2.33E-27	0.00504852	0.0124146	0.6842578	0.8257144	20	0.92876095
ENSG00000100629	14	CEP128	80943330	rs179246	14	81431596	T	C	0.451292	-0.0016716	0.00806616	0.835824	0.45491	0.0780616	5.62E-09	-0.0036746	0.0177425	0.8359267	0.84202	14	0.97276333
ENSG00000054983	14	GALC	88304164	rs55905933	14	88471979	G	A	0.15507	-0.0302926	0.0110378	0.0060615	-0.81898	0.0813456	7.66E-24	0.0369882	0.0139693	0.00810107	0.3994575	20	0.28918841
ENSG00000100433	14	KCNK10	88649113	rs7145708	14	88660995	G	C	0.338966	0.0110222	0.00847313	0.193313	0.497992	0.0795912	3.93E-10	0.0221333	0.0173784	0.2028027	0.8617679	10	0.70263121
ENSG00000042317	14	SPATA7	88851268	rs60503594	14	88874915	C	T	0.302187	-0.0072051	0.00893216	0.419871	-0.706615	0.0573689	7.33E-35	0.0101966	0.0126679	0.4208649	0.6462112	20	0.84131573
ENSG00000258983	14	RP11-507K2.2	88965678	rs2297128	14	88936254	G	A	0.228628	-0.0102702	0.00942596	0.275905	1.18148	0.076349	5.14E-54	-0.0086927	0.00799785	0.2770922	0.9451733	20	0.76430333
ENSG00000222990	14	RNU4-22P	88979842	rs2297128	14	88936254	G	A	0.228628	-0.0102702	0.00942596	0.275905	1.12509	0.080376	1.61E-44	-0.0091283	0.0084033	0.2773553	0.9312447	20	0.76430333
ENSG00000140025	14	EFCAB11	90261013	rs72697367	14	90400426	T	C	0.0854871	-0.0125227	0.0120938	0.300453	0.771852	0.114984	1.91E-11	-0.0162242	0.0158539	0.3061372	0.8096988	10	0.77894167
ENSG00000042088	14	TDP1	90421283	rs72697369	14	90402811	T	C	0.0238569	-0.0044008	0.0263916	0.867566	1.32185	0.237288	2.54E-08	-0.0033293	0.0199746	0.8676246	0.4568792	5	0.97828063
ENSG00000165914	14	TTC7B	91006932	rs1286310	14	91277103	C	T	0.727634	-0.0081954	0.00868404	0.345308	-0.630263	0.0597084	4.78E-26	0.0130031	0.0138334	0.347228	0.4937224	20	0.8110906
ENSG00000165929	14	TC2N	92246095	rs10151688	14	92312369	G	A	0.515905	-0.0029533	0.00805795	0.713991	-0.554621	0.0792591	2.60E-12	0.00532481	0.0145487	0.7143653	0.873355	13	0.93968224
ENSG00000100815	14	TRIP11	92432335	rs7149561	14	92502257	T	C	0.223658	0.0246763	0.00968961	0.0108755	0.294903	0.052883	2.45E-08	0.083676	0.036121	0.02052859	0.108278	5	0.36295776
ENSG00000165934	14	CPSF2	92588281	rs7149665	14	92590120	T	C	0.170974	0.00758349	0.010266	0.460088	-0.587649	0.0803528	2.61E-13	-0.0129048	0.0175585	0.4623639	0.2300204	7	0.85658817
ENSG00000140090	14	SLC24A4	92788925	rs4904847	14	92718046	G	A	0.666004	-0.013045	0.00832957	0.117323	-0.411293	0.0545187	4.56E-14	0.031717	0.0206839	0.1251738	0.00199093	7	0.63282784
ENSG00000100604	14	CHGA	93389425	rs9658638	14	93389435	T	C	0.148111	0.00089438	0.00948701	0.924892	0.735492	0.0943657	6.49E-15	0.00121603	0.0128998	0.9248969	0.4573787	7	0.99115758
ENSG00000133958	14	UNC79	93799565	rs4905068	14	93924160	G	A	0.71173	-0.0120705	0.00839607	0.150539	-0.345811	0.0532042	8.05E-11	0.0349049	0.0248662	0.1604052	0.7438407	18	0.65939472
ENSG00000165948	14	IFI27L1	94547628	rs2402415	14	94569772	G	A	0.516899	0.00863508	0.0084201	0.305112	0.43477	0.0557559	6.30E-15	0.0198613	0.0195336	0.30926	0.1737605	14	0.78078678
ENSG00000119632	14	IFI27L2	94594116	rs2273514	14	94595989	C	T	0.16501	-0.0038338	0.00979191	0.695409	-0.563236	0.0750094	5.96E-14	0.00680672	0.0174087	0.6958008	0.9546304	9	0.9358786
ENSG00000176438	14	SYNE3	95883831	rs4900272	14	95933437	C	A	0.66501	0.00131252	0.00842493	0.876199	-0.554394	0.0731231	3.41E-14	-0.0023675	0.0151999	0.8762245	0.9060004	5	0.98047674
ENSG00000247092	14	SNHG10	95998634	rs8005300	14	96002708	G	A	0.44831	0.00452118	0.00816122	0.57959	-0.301209	0.0436983	5.47E-12	-0.0150101	0.0271822	0.5808094	0.4243291	7	0.89290364
ENSG00000168398	14	BDKRB2	96671016	rs2071084	14	96730142	G	A	0.83996	0.00884642	0.00977994	0.365705	-1.28364	0.106973	3.57E-33	-0.0068917	0.00764053	0.367063	0.5904602	11	0.81816933

ENSG00000258788	14	RP11-404P21.9	96689445	rs2071084	14	96730142	G	A	0.83996	0.00884642	0.00977994	0.365705	-0.772005	0.111939	5.32E-12	-0.011459	0.0127767	0.3697902	0.4127213	6	0.81816933
ENSG00000100739	14	BDKRB1	96722161	rs2071084	14	96730142	G	A	0.83996	0.00884642	0.00977994	0.365705	-1.11633	0.114283	1.54E-22	-0.0079246	0.00879828	0.3677511	0.6031967	7	0.81816933
ENSG00000258793	14	RP11-404P21.3	96725748	rs2071084	14	96730142	G	A	0.83996	0.00884642	0.00977994	0.365705	-0.854194	0.111604	1.95E-14	-0.0103565	0.011529	0.3690278	0.9632071	5	0.81816933
ENSG00000100744	14	GSKIP	96829814	rs12435016	14	96765001	C	A	0.407555	-0.0077955	0.00837409	0.351899	0.327949	0.0489918	2.17E-11	-0.0237706	0.0257805	0.3565084	0.00257158	6	0.81746804
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.787361	0.125407	3.42E-10	-0.0229126	0.0164123	0.1626956	0.7660356	3	0.6608613
ENSG00000036530	14	CYP46A1	100150641	rs3752957	14	100182082	C	T	0.140159	0.0112353	0.0108224	0.299198	0.947123	0.080867	1.11E-31	0.0118626	0.0114714	0.3010904	0.2267433	9	0.77863838
ENSG00000197119	14	SLC25A29	100757448	rs1059263	14	100769367	A	C	0.315109	0.0166508	0.00863371	0.0537824	0.437431	0.0652058	1.97E-11	0.038065	0.0205367	0.06380978	0.4249994	5	0.50845953
ENSG00000140105	14	WARS	100800125	rs2234528	14	100803655	A	C	0.807157	-0.0145421	0.0103819	0.161299	-0.668637	0.0894527	7.73E-14	0.0217489	0.0157972	0.1685889	0.04655076	9	0.66623176
ENSG00000258666	14	RP11-638I2.8	100800127	rs2234528	14	100803655	A	C	0.807157	-0.0145421	0.0103819	0.161299	-0.749888	0.100425	8.20E-14	0.0193924	0.0140861	0.1686037	0.110735	15	0.66623176
ENSG00000176473	14	WDR25	100842755	rs55869502	14	100825670	T	C	0.475149	-0.026716	0.00817979	0.00109041	0.376171	0.0565837	2.97E-11	-0.0710209	0.0242274	0.00337402	0.8976095	11	0.23296373
ENSG00000183092	14	BEGAIN	101003486	rs34076421	14	101014418	C	G	0.411531	0.00576414	0.00816877	0.480418	-0.354363	0.0480268	1.60E-13	-0.0162662	0.0231572	0.4824132	0.9100139	8	0.86066122
ENSG00000271780	14	RP11-1017G21.5	102414684	rs2448241	14	102414767	A	G	0.084493	0.00781294	0.0125819	0.534621	1.05045	0.120778	3.40E-18	0.00743771	0.0120081	0.5356595	0.1709468	13	0.87557054
ENSG00000022976	14	ZNF839	102783714	rs3759558	14	102774260	A	G	0.16501	0.0129262	0.0107179	0.227802	0.605613	0.075961	1.55E-15	0.021344	0.0178989	0.2330762	0.00140638	20	0.7275513
ENSG00000156381	14	ANKRD9	102973179	rs4906199	14	102902456	C	T	0.297217	-0.005158	0.00988569	0.601833	0.441226	0.0786351	2.01E-08	-0.0116902	0.0225017	0.6033947	0.04879515	11	0.90205002
ENSG00000270108	14	RP11-73M18.6	104153913	rs10145793	14	103891346	T	C	0.351889	0.0107002	0.00875996	0.221901	0.559028	0.102203	4.51E-08	0.0191407	0.016056	0.2332121	0.01045943	3	0.7275513
ENSG00000126215	14	XRCC3	104163946	rs2273175	14	104160141	C	T	0.297217	0.0286616	0.00814531	0.00043352	0.374662	0.0625266	2.07E-09	0.0764999	0.0252119	0.00241114	0.7001867	12	0.20600918
ENSG00000258735	14	LINC00637	104314058	rs140741588	14	104328354	T	C	0.0606362	0.0185335	0.0281253	0.509919	1.28606	0.19946	1.14E-10	0.0144111	0.0219833	0.5121155	0.3010721	4	0.87006491
ENSG00000156414	14	TDRD9	104394799	rs10149651	14	104394440	G	A	0.713718	0.00808245	0.00914405	0.376749	-0.717873	0.100384	8.60E-13	-0.0112589	0.0128346	0.3803632	0.5604277	13	0.82033551
ENSG00000184990	14	SIVA1	105219437	rs4983541	14	105208986	A	G	0.189861	-0.0072571	0.0105222	0.490387	0.386571	0.0677997	1.19E-08	-0.0187731	0.0274177	0.4935302	0.380002	6	0.86337555
ENSG00000142208	14	AKT1	105235686	rs1130233	14	105239894	T	C	0.242545	-0.0129986	0.00940911	0.167128	0.38678	0.056393	6.95E-12	-0.0336072	0.0248154	0.1756434	0.1964068	11	0.67151653
ENSG00000258701	14	LINC00638	105287538	rs12894160	14	105289827	T	C	0.233598	3.57E-06	0.00901418	0.999684	-0.67966	0.0988478	6.16E-12	-5.26E-06	0.0132628	0.9996838	0.4521254	13	0.999953
ENSG00000185567	14	AHNAK2	105403581	rs9805957	14	105437057	C	A	0.626243	-0.0066574	0.00811923	0.412243	0.377113	0.0491783	1.74E-14	-0.0176536	0.0216527	0.4148974	0.4497689	20	0.83806414
ENSG00000140104	14	C14orf79	105452112	rs12883995	14	105449928	G	C	0.212724	0.0109578	0.00907887	0.227449	0.821971	0.0737827	7.97E-29	0.0133311	0.0111099	0.2301647	0.3166457	20	0.7275513
ENSG00000184887	14	BTBD6	105714827	rs2816628	14	105736134	G	T	0.312127	0.0280261	0.00837892	0.00082332	-0.46926	0.0780314	1.81E-09	-0.059724	0.0204317	0.00346551	0.4843201	6	0.23296373
ENSG00000182636	15	NDN	23930565	rs1818917	15	23941678	T	C	0.529821	-0.0074726	0.00813763	0.358471	-0.27222	0.0461013	3.53E-09	0.0274507	0.0302529	0.3642083	0.05189911	3	0.81816933
ENSG00000206149	15	HERC2P9	28834638	rs8036234	15	28962131	A	G	0.05666	0.0115823	0.0140376	0.40932	-1.00286	0.128293	5.41E-15	-0.0115493	0.0140753	0.4119123	0.9043362	19	0.83688257
ENSG00000261377	15	RP11-578F21.12	29034810	rs147495388	15	29077969	C	T	0.167992	-0.00043	0.0141977	0.975839	-1.2981	0.0831541	6.15E-55	0.00033125	0.0109373	0.9758388	0.09402991	20	0.99743145
ENSG00000261649	15	GOLGA6L7P	29087381	rs147495388	15	29077969	C	T	0.167992	-0.00043	0.0141977	0.975839	-0.80551	0.11191	6.12E-13	0.00053382	0.0176259	0.9758389	0.7167854	3	0.99743145
ENSG00000186399	15	GOLGA8R	30695943	rs149864689	15	31003565	G	A	0.291252	-0.0194559	0.00837079	0.0201113	0.629669	0.0993742	2.35E-10	-0.0308986	0.0141601	0.02910293	0.0590962	12	0.40979852
ENSG00000270055	15	CTD-3092A11.2	30780166	rs80198225	15	30900895	A	G	0.229622	-0.006878	0.00866053	0.427095	0.984063	0.098789	2.25E-23	-0.0069894	0.00882871	0.4285583	0.00650037	20	0.84720094
ENSG00000103832	15	GOLGA8UP	31083776	rs35480234	15	31093529	T	C	0.171968	0.00704575	0.012017	0.557663	-0.700514	0.111741	3.63E-10	-0.010058	0.0172294	0.5593766	0.2325227	9	0.88271976
ENSG00000259845	15	HERC2P10	31107474	rs35480234	15	31093529	T	C	0.171968	0.00704575	0.012017	0.557663	-1.08118	0.0815593	4.14E-40	-0.0065167	0.0111256	0.5580485	0.1313248	20	0.88271976
ENSG00000260382	15	RP11-540B6.2	31174470	rs35480234	15	31093529	T	C	0.171968	0.00704575	0.012017	0.557663	-1.14606	0.0949395	1.49E-33	-0.0061478	0.0104979	0.5581276	0.7940239	20	0.88271976
ENSG00000261628	15	RP11-540B6.3	31191683	rs35480234	15	31093529	T	C	0.171968	0.00704575	0.012017	0.557663	-0.820587	0.0974777	3.82E-17	-0.0085862	0.0146799	0.5586161	0.7079257	14	0.88271976
ENSG00000198690	15	FAN1	31196055	rs35480234	15	31093529	T	C	0.171968	0.00704575	0.012017	0.557663	-0.560129	0.0583493	8.03E-22	-0.0125788	0.021494	0.5583967	0.8499328	20	0.88271976
ENSG00000270015	15	RP11-540B6.6	31218717	rs35480234	15	31093529	T	C	0.171968	0.00704575	0.012017	0.557663	-0.65769	0.067444	1.82E-22	-0.0107129	0.0183045	0.558374	0.04540634	20	0.88271976
ENSG00000134160	15	TRPM1	31293264	rs3809579	15	31394322	T	C	0.584493	0.006059	0.00808677	0.453708	-0.867922	0.075171	7.74E-31	-0.006981	0.00933699	0.4546557	0.9294321	8	0.85417294
ENSG00000169926	15	KLF13	31619058	rs4779517	15	31636424	G	C	0.496024	-0.002113	0.00806304	0.793272	-0.311021	0.0544034	1.08E-08	0.00679388	0.0259516	0.7934833	0.9915135	4	0.96095628
ENSG00000206127	15	GOLGA8O	32737307	rs1062254	15	32898631	G	C	0.353877	0.00358085	0.00879015	0.683735	0.937979	0.0916379	1.37E-24	0.00381762	0.00937879	0.6839724	0.6257145	7	0.92876095
ENSG00000254912	15	RP11-632K20.2	32786204	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	1.17618	0.0931308	1.45E-36	0.00040361	0.00816142	0.960558	0.9181722	8	0.99596391
ENSG00000223509	15	RP11-632K20.7	32812049	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	-0.968262	0.0887958	1.10E-27	-0.0004903	0.00991397	0.9605581	0.9540645	9	0.99596391
ENSG00000248905	15	FMN1	33057747	rs192749688	15	33446302	C	T	0.0139165	-0.0448874	0.0561709	0.42422	2.06377	0.370116	2.46E-08	-0.0217502	0.0274957	0.4289208	0.4072175	8	0.84751306
ENSG00000259446	15	RP11-489D6.2	33595858	rs2670948	15	33595844	T	G	0.518887	-0.0057639	0.00807599	0.475404	-0.812524	0.0756754	6.83E-27	0.00709387	0.00996132	0.4763771	0.3585027	20	0.85740342
ENSG00000259408	15	RP11-3D4.3	34147101	rs11629862	15	34146374	A	G	0.940358	0.0142928	0.0131619	0.277511	0.826169	0.127018	7.80E-11	0.0173001	0.0161517	0.2841257	0.9952068	16	0.76834841
ENSG00000259287	15	RP11-3D4.2	34150918	rs117672439	15	34197791	T	C	0.05666	-0.0125214	0.0131598	0.34136	-1.07294	0.155412	5.06E-12	0.0116702	0.0123811	0.3458963	0.9031649	16	0.8110906
ENSG00000184984	15	CHRM5	34260921	rs478125	15	34284310	A	G	0.602386	0.010788	0.00817927	0.187188	-0.516331	0.0927804	2.62E-08	-0.0208936	0.01628	0.1993548	0.9870116	3	0.70031188
ENSG00000182405	15	PGBD4	34394274	rs1436923	15	34394273	A	C	0.902584	-0.0127456	0.0140311	0.363676	-0.682392	0.0863329	2.70E-15	0.0186778	0.020697	0.3668221	0.2496332	11	0.81816933
ENSG00000184507	15	NUTM1	34635516	rs71464862	15	34651752	T	C	0.131213	-0.0028443	0.0118783	0.810755	1.09599	0.160217	7.88E-12	-0.0025952	0.0108446	0.8108689	0.2755111	6	0.96594546
ENSG00000175265	15	GOLGA8A	34671269	rs2455922	15	34717173	T	C	0.0854871	-1.23E-06	0.0209076	0.999953	-0.888666	0.104467	1.79E-17	1.39E-06	0.023527	0.999953	0.4957	12	0.999953
ENSG00000171262	15	FAM98B	38746328	rs56041020	15	38807577	A	G	0.258449	0.00352885	0.00979185	0.718558	0.346671	0.0535263	9.38E-11	0.0101792	0.0282891	0.7189744	0.3537581	4	0.93968224
ENSG00000140319	15	SRP14	40327940	rs2898984	15	40324075	C	G	0.928429	0.00931088	0.0139555	0.504657	-0.470627	0.0853025	3.45E-08	-0.019784	0.029869	0.5077418	0.9414388	4	0.86831771
ENSG00000248508	15	SRP14-AS1	40331512	rs8041057	15	40330629	T	C	0.702783	-0.0078917	0.00866562	0.362461	0.559043	0.0681517	2.35E-16	-0.0141164	0.015596	0.3653985	0.2106808	9	0.81816933
ENSG00000156970	15	BUB1B	40453224	rs56205728	15	40567237	A	G	0.28827	0.00109126	0.00948091	0.908365	0.683957	0.113882	1.90E-09	0.00159551	0.0138644	0.908382	0.2306285	7	0.98743921
ENSG00000188549	15	C15orf52	40623653	rs4923864	15	40634717	A	G	0.0924453	0.033549	0.0120008	0.00518084	0.923858	0.118848	7.64E-15	0.036314	0.0138044	0.00852292	0.5979403	4	0.29231653
ENSG00000128944	15	KNSTRN	40674922	rs55982218	15	40728810	T	C	0.0974155	-0.0281727	0.0114002	0.0134645	1.57099	0.126303	1.62E-35	-0.0179331	0.00739854	0.01535613	0.4302682	20	0.34725322
ENSG00000128928	15	IVD	40697686	rs76994419	15	40714150	T	C	0.0954274	-0.0267312	0.0113594	0.018611	-0.80075	0.0776694	6.37E-25	0.0333827	0.0145508	0.02177798	0.6055663	13	0.36953203
ENSG00000128891	15	C15orf57	40820882	rs12913296	15	40844222	A	G	0.474155	0.0290352	0.00831579	0.00048019	-0.706586	0.0672391	7.89E-26	-0.0410922	0.0124016	0.00092148	0.04461442	20	0.16825689
ENSG00000166140	15	ZFYVE19	41099284	rs11070297	15	41099349	T	C	0.380716	0.00040975	0.00808315	0.959571	-0.642189	0.0601296	1.26E-26	-0.000638	0.012587	0.9595718	0.00223398	20	0.99596391
ENSG00000104140	15	RHOV	41164412	rs4923887	15	41166528	C	T	0.7833	-0.0207048	0.0106013	0.0508148	-0.471971	0.0852319	3.07E-08	0.0438688	0.0238179	0.06549803	0.6778094	4	0.51110769
ENSG00000247556	15	OIP5-AS1	41576188	rs11631770	15	41737059	C	T	0.364811	0.0279748	0.00840695	0.00087605	-0.288746	0.0422579	8.32E-12	-0.0968838	0.0323844	0.00277444	0.02001267	17	0.21516834
ENSG00000137804	15	NUSAP1	41624892	rs10518717	15	41623368	G	C	0.253479	0.0117885	0.00930158	0.205025	0.9728	0.105807	3.78E-20	0.0121181	0.00965207	0.2092997	0.03554388	20	0.70953584
ENSG00000137806	15	NDUFAF1	41679551	rs28584379	15	41670408	G	C	0.271372	0.0232616	0.00880181	0.00822186	-0.749118	0.0797375	5.73E-21	-0.031052	0.0122056	0.01095673	0.1284338	20	0.31487106
ENSG00000103932	15	RPAP1	41809374	rs1200345	15	41819716	T	C	0.517893	0.00559431	0.00806521	0.487911	-0.588431	0.0673226	2.32E-18	-0.0095072	0.0137494	0.489276	0.4703116	20	0.86252211
ENSG00000137802	15	MAPKBP1	42066632	rs890509	15	42162957	T	G	0.367793	-0.0180059	0.00858739	0.0360131	0.299452	0.0494358	1.38E-09	-0.0601295	0.0303465	0.04754286	0.7464351	20	0.47948912
ENSG00000243789	15	JMJD7	42120283	rs4924570	15	41974660	C	T	0.40159	0.0151855	0.00814934	0.0624051	0.237897	0.0406236	4.74E-09	0.0638322	0.0359481	0.07578626	0.7166698	9	0.54499078
ENSG00000243708	15	PLA2G4B	42120283	rs4924570	15	41974660	C	T	0.40159	0.0151855	0.00814934	0.0624051	0.38563	0.0459334	4.64E-17	0.0393784	0.0216468	0.06889123	0.8092665	20	0.52066071
ENSG00000137877	15	SPTBN5	42140345	rs747780	15	42170506	T	C	0.503976	0.00794902	0.00807589	0.324973	-0.770972	0.0724347	1.87E-26	-0.0103104	0.0105196	0.3270327	0.1178005	20	0.79781449
ENSG00000174171	15	RP11-23P13.6	42184991	rs1197701	15	42187492	C	T	0.2833	-0.0089734	0.0093765	0.338565	0.905887	0.100865	2.68E-19	-0.0099056	0.0104092	0.3412913	0.2053963	20	0.80962327
ENSG00000103966	15	EHD4	42190950	rs1197701	15	42187492	C	T	0.2833	-0.0089734	0.0093765	0.338565	0.879174	0.10156	4.86E-18	-0.0102066	0.0107301	0.3414982	0.2004292	20	0.80972215
ENSG00000092529	15	CAPN3	42640301	rs111536430	15	42488450	T	C	0.0854871	-0.0020038	0.0135125	0.882115	0.527212	0.084132	3.69E-10	-0.0038007	0.0256373	0.8821472	0.5572279	20	0.98274122
ENSG00000140326	15	CDAN1	43015757	rs4545789	15	42958928	C	A	0.182903	0.00119671	0.00949713	0.899726	0.407411	0.0586695	3.81E-12	0.00293735	0.0233148	0.8997424	0.916675	20	0.98623954
ENSG00000168803	15	ADAL	43622872	rs1549523	15	43624189	T	C	0.126243	0.00652687	0.0142132	0.646081	-1.21899	0.0986234	4.30E-35	-0.0053543	0.0116679	0.6463094	0.04090191	20	0.92223619
ENSG00000222398	15	RNU6-554P	43894741	rs689754	15	43775895	G	A	0.101392	0.0121538	0.0188544	0.519178	0.760285	0.135862	2.19E-08	0.0159858	0.0249631	0.5219264	0.07918628	15	0.87239215
ENSG00000166762	15	CATSPER2	43920701	rs62018940	15	43993175	C	A	0.184891	-0.0295888	0.0126904	0.019722	-0.528006	0.0887322	2.67E-09	0.0560388	0.0258137	0.02993945	0.2888211	14	0.41039362
ENSG00000249839	15	AC011330.5	43955852	rs2470135	15	43995789	T	C	0.290258	-0.0252286	0.0102766	0.0140903	-0.891715	0.0873354	1.78E-24	0.0282922	0.011853	0.01698977	0.2691261	20	0.35094177
ENSG00000166763	15	STRCP1	43991686	rs2255051	15	43846161	T	C	0.104374	-0.0123696	0.0148818	0.405864	0.699125	0.106728	5.73E-11	-0.017693	0.021457	0.4096112	0.00340953	20	0.83688257
ENSG00000205771	15	CATSPER2P1	44019116	rs28626717	15	43991505	G	A	0.0984095	0.006221	0.0198377	0.753829	0.876222	0.145735	1.83E-09	0.0070998	0.0226708	0.7541522	0.03015049	12	0.95258055
ENSG00000185880	15	TRIM69	45021186	rs7175030	15	45022659	G	A	0.112326	-0.010613	0.013845	0.443345	-1.09449	0.09178	8.75E-33	0.00969675	0.0126758	0.4442838	0.1865396	20	0.85417294
ENSG00000259479	15	CTD-2008A1.2	45118569	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	1.29204	0.20677	4.14E-10	0.00532172	0.0162112	0.7427045	0.5703773	5	0.94621977
ENSG00000140263	15	SORD	45315302	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	-1.01596	0.178563	1.27E-08	-0.0067679	0.0206223	0.7427751	0.9304007	8	0.94621977
ENSG00000137857	15	DUOX1	45422131	rs1706826	15	45488043	A	G	0.521869	-0.0079637	0.00806214	0.323256	-0.686116	0.0714166	7.45E-22	0.0116069	0.0118123	0.3258008	0.1853073	20	0.79610365
ENSG00000259539	15	CTD-2651B20.1	45444862	rs56294809	15	45463061	T	G	0.128231	-0.0202559	0.0115654	0.079873	0.741529	0.0861509	7.48E-18	-0.0273164	0.0159163	0.08611582	0.3079002	19	0.56969796
ENSG00000138606	15	SHF	45459412	rs1706822	15	45478583	C	T	0.634195	-0.0127755	0.00827426	0.122586	-0.394355	0.047962	2.00E-16	0.0323959	0.0213485	0.1291451	0.1921134	15	0.63721248
ENSG00000259520	15	CTD-2651B20.3	45543884	rs12911111	15	45575489	G	A	0.637177	-0.0051868	0.00823373	0.52873	0.995796	0.0831794	5.00E-33	-0.0052087	0.00827993	0.5292999	0.4669718	20	0.87557054
ENSG00000137860	15	SLC28A2	45544428	rs12911861	15	45566718	C	T	0.637177	-0.0051144	0.00823282	0.534455	0.732829	0.086728	2.92E-17	-0.006979	0.0112646	0.5355549	0.4961925	17	0.87557054
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-1.01397	0.0769478	1.18E-39	-0.0051869	0.00807807	0.5208114	0.3624446	20	0.87239215
ENSG00000171763	15	SPATA5L1	45694529	rs1706824	15	45579948	T	C	0.240557	0.0121994	0.00887449	0.169236	0.516521	0.076434	1.40E-11	0.0236184	0.0175332	0.1779573	0.8286113	15	0.67602317
ENSG00000137872	15	SEMA6D	47476298	rs7176161	15	47575547	T	G	0.315109	0.0121495	0.00866954	0.161095	0.231853	0.0398876	6.15E-09	0.0524017	0.0384638	0.1730827	0.2639632	13	0.67151653
ENSG00000104064	15	GABPB1	50569389	rs526045	15	50645530	T	G	0.581511	0.00080806	0.0082765	0.922224	0.364802	0.0461899	2.84E-15	0.00221506	0.0226894	0.9222298	0.1904825	17	0.98950443
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	1.16627	0.0615224	3.88E-80	0.00528152	0.00792575	0.5051714	0.396582	20	0.86796708
ENSG00000092439	15	TRPM7	50844670	rs35355541	15	51074373	T	G	0.159046	0.0220292	0.0120851	0.0683282	-0.414817	0.0728116	1.22E-08	-0.0531058	0.0305885	0.08253945	0.9318573	17	0.55924915
ENSG00000138600	15	SPPL2A	50999506	rs12906219	15	51006910	G	A	0.140159	0.0150853	0.0117634	0.199702	-0.515702	0.0711931	4.37E-13	-0.029252	0.0231652	0.2066765	0.6924108	20	0.70730227
ENSG00000186417	15	GLDN	51633826	rs2470144	15	51621725	C	T	0.531809	0.00206836	0.00822338	0.80141	-0.214559	0.0384452	2.39E-08	-0.0096401	0.0383658	0.8016078	0.8737894	4	0.96395633
ENSG00000104112	15	SCG3	51973550	rs35561856	15	51735950	G	A	0.233598	0.00884035	0.0110295	0.422833	-0.51464	0.051684	2.34E-23	-0.0171777	0.0215008	0.4243284	0.1672156	20	0.8444398
ENSG00000069966	15	GNB5	52413117	rs113025993	15	52429113	C	A	0.028827	-0.0193812	0.0211722	0.35998	1.91691	0.20366	4.85E-21	-0.0101106	0.0110971	0.3622379	0.4528475	4	0.81796267
ENSG00000259577	15	RP11-430B1.2	52472290	rs80166953	15	52481731	T	C	0.147117	0.00349908	0.0121809	0.773913	-0.486003	0.0787098	6.63E-10	-0.0071997	0.0250905	0.7741512	0.6396761	7	0.95712351
ENSG00000197535	15	MYO5A	52599480	rs4519295	15	52623303	T	C	0.61829	0.0093578	0.0093095	0.314806	0.589365	0.0413513	4.32E-46	0.0158778	0.015835	0.3160068	0.8568629	20	0.78743958
ENSG00000259935	15	RP11-519C12.1	52940831	rs4548810	15	52943814	T	C	0.734592	0.00959763	0.00933194	0.303728	0.633094	0.100382	2.85E-10	0.0151599	0.0149349	0.3100758	0.795693	6	0.78154605
ENSG00000169856	15	ONECUT1	53049637	rs2440374	15	53097088	G	C	0.201789	-0.0096451	0.0108752	0.375141	0.715632	0.108442	4.13E-11	-0.0134777	0.0153333	0.3794098	0.4573079	18	0.82033551
ENSG00000259669	15	RP11-643A5.2	54239821	rs2616911	15	54275853	A	G	0.33499	0.00822509	0.00856317	0.336794	-1.11585	0.0902391	4.02E-35	-0.0073711	0.00769724	0.3382471	0.4533334	20	0.80657693
ENSG00000069974	15	RAB27A	55495164	rs67230579	15	55601442	C	A	0.11332	-0.0096024	0.0146605	0.512479	0.791735	0.119444	3.39E-11	-0.0121283	0.0186071	0.5145237	0.6387454	6	0.87095835
ENSG00000225973	15	RP11-139H15.1	55609382	rs11630409	15	55561887	T	C	0.138171	0.00197348	0.011746	0.866573	-0.538787	0.0893559	1.64E-09	-0.0036628	0.0218093	0.8666244	0.1787427	13	0.97828063
ENSG00000261652	15	C15orf65	55700746	rs58507025	15	55719421	C	A	0.0864811	-0.0020977	0.014544	0.885319	0.77116	0.134341	9.45E-09	-0.0027201	0.0188659	0.8853559	0.6025343	6	0.98384971
ENSG00000247982	15	LINC00926	57592563	rs2248886	15	57594933	T	A	0.580517	0.0127804	0.00834163	0.125492	-0.894973	0.0709454	1.75E-36	-0.0142802	0.00938903	0.1282734	0.00972722	20	0.63721248
ENSG00000263155	15	MYZAP	57884139	rs1908205	15	57907574	T	C	0.405567	-0.0019842	0.00812384	0.80704	0.393073	0.0561214	2.49E-12	-0.0050479	0.0206801	0.8071557	0.9325081	15	0.96578967
ENSG00000255529	15	POLR2M	57884231	rs72745571	15	57993438	C	A	0.0666004	0.0263035	0.0225125	0.242646	0.719918	0.110227	6.52E-11	0.0365368	0.0317674	0.2500877	0.1348288	14	0.74377115
ENSG00000140299	15	BNIP2	59951345	rs12440020	15	59984250	G	C	0.441352	0.00842076	0.00805224	0.295669	0.321038	0.0401777	1.34E-15	0.0262298	0.0252958	0.2997716	0.5803852	20	0.77863838
ENSG00000128915	15	NARG2	60711808	rs28550783	15	60762640	A	G	0.281312	0.0152525	0.0102014	0.134877	-0.428433	0.0571311	6.43E-14	-0.0356007	0.0242796	0.1425722	0.9851398	13	0.63998794
ENSG00000259370	15	RP11-1069G10.1	63124323	rs1994533	15	63242831	T	C	0.315109	4.23E-05	0.00886113	0.996194	-0.860136	0.0936444	4.11E-20	-4.91E-05	0.010302	0.9961941	0.06944211	10	0.99906546
ENSG00000140416	15	TPM1	63334831	rs1994533	15	63242831	T	C	0.315109	4.23E-05	0.00886113	0.996194	-1.1085	0.0779762	7.30E-46	-3.81E-05	0.0079938	0.9961941	0.09284212	20	0.99906546
ENSG00000259498	15	RP11-244F12.3	63338233	rs923425	15	63242015	A	G	0.314115	0.00018173	0.00885924	0.983634	-0.601698	0.0960252	3.70E-10	-0.000302	0.0147238	0.9836342	0.06268797	4	0.99756656
ENSG00000074410	15	CA12	63613577	rs12916532	15	63674171	C	T	0.272366	0.00313724	0.00861564	0.715759	-0.491476	0.0624252	3.46E-15	-0.0063833	0.0175489	0.716049	0.7465128	15	0.93968224
ENSG00000259459	15	RP11-321G12.1	63682335	rs12916532	15	63674171	C	T	0.272366	0.00313724	0.00861564	0.715759	0.785341	0.091871	1.25E-17	0.00399475	0.0109805	0.716005	0.6678757	20	0.93968224
ENSG00000140451	15	PIF1	65107831	rs1719277	15	65156523	G	A	0.570577	0.0181742	0.00824751	0.0275524	-0.726276	0.0904382	9.70E-16	-0.0250238	0.0117757	0.03358264	0.838602	18	0.42178047
ENSG00000166839	15	ANKDD1A	65204101	rs8035615	15	65204938	T	A	0.350895	0.00204854	0.00853848	0.810393	0.51143	0.0623021	2.23E-16	0.00400551	0.0167024	0.8104728	0.08659442	10	0.96594546
ENSG00000090487	15	SPG21	65255362	rs17229765	15	65258834	A	G	0.425447	-0.0172551	0.00820972	0.0355713	-0.446483	0.0559558	1.47E-15	0.0386467	0.0190147	0.04210697	0.9641105	17	0.45452085
ENSG00000138615	15	CILP	65488337	rs12595530	15	65591379	A	G	0.604374	0.00156172	0.00818229	0.84863	0.394231	0.0682619	7.68E-09	0.00396143	0.0207664	0.8487123	0.5122669	8	0.97747911
ENSG00000174498	15	IGDCC3	65619465	rs525514	15	65615556	C	T	0.395626	-0.0003587	0.00812982	0.964812	0.52252	0.0561977	1.43E-20	-0.0006864	0.015559	0.9648121	0.8269025	16	0.99660087
ENSG00000103742	15	IGDCC4	65673802	rs28683576	15	65710213	T	A	0.204771	0.00186743	0.00897285	0.835135	-0.691923	0.0988232	2.53E-12	-0.0026989	0.0129737	0.835207	0.991242	20	0.97259615
ENSG00000166938	15	DIS3L	66585555	rs75040294	15	66585907	A	C	0.0387674	0.00651454	0.0142502	0.64756	1.56534	0.135849	1.01E-30	0.00416174	0.00911074	0.6478185	0.2985024	11	0.92239093
ENSG00000260773	15	RP11-352G18.2	66607252	rs75040294	15	66585907	A	C	0.0387674	0.00651454	0.0142502	0.64756	1.13503	0.207812	4.71E-08	0.00573953	0.0125988	0.6487055	0.1606525	3	0.92239093
ENSG00000075131	15	TIPIN	66628544	rs4483802	15	66679819	C	G	0.106362	-0.0003002	0.0148735	0.983897	1.51864	0.157365	4.90E-22	-0.0001977	0.00979398	0.9838969	0.5144292	9	0.99756656
ENSG00000261351	15	CTD-3185P2.1	66782086	rs41306345	15	66782048	T	C	0.106362	0.0175501	0.0128256	0.171197	-1.03843	0.128527	6.50E-16	-0.0169006	0.0125268	0.1772881	0.2129615	10	0.67398892
ENSG00000189227	15	C15orf61	67813406	rs8027115	15	67819115	C	T	0.751491	0.00680811	0.00858385	0.427703	0.648009	0.0682223	2.13E-21	0.0105062	0.0132926	0.4293062	0.8223379	20	0.84751306
ENSG00000270964	15	RP11-502I4.3	67833410	rs7172582	15	67834556	C	T	0.760437	0.00417241	0.00866697	0.630221	-0.560908	0.0951854	3.80E-09	-0.0074387	0.0155032	0.6313578	0.4342333	3	0.91666897
ENSG00000188779	15	SKOR1	68112042	rs11071959	15	68058903	G	A	0.246521	-0.0024072	0.00926846	0.795083	0.234547	0.0412564	1.31E-08	-0.0102631	0.0395576	0.7952914	0.1549823	8	0.96137537
ENSG00000128973	15	CLN6	68499330	rs867483	15	68525499	T	C	0.558648	0.0013186	0.00805284	0.869933	-0.362427	0.0571387	2.25E-10	-0.0036383	0.0222266	0.869976	0.9991291	9	0.97828063
ENSG00000260657	15	RP11-315D16.4	68560130	rs66989829	15	68585218	T	G	0.354871	0.00104253	0.00901384	0.907923	0.877329	0.0909268	4.98E-22	0.0011883	0.0102749	0.9079295	0.9738472	20	0.98743921
ENSG00000166173	15	LARP6	71123863	rs12900022	15	71122257	A	G	0.475149	0.00198276	0.00828804	0.810926	-0.604978	0.0480507	2.38E-36	-0.0032774	0.0137022	0.8109596	0.6586229	20	0.96594546
ENSG00000140463	15	BBS4	72978527	rs11637927	15	72978531	A	C	0.0606362	-0.0243326	0.0171119	0.155036	0.775072	0.0919072	3.36E-17	-0.031394	0.0223895	0.1608626	0.6919211	17	0.65939472
ENSG00000260469	15	RP11-8P11.3	74060555	rs60833441	15	74048768	G	A	0.487078	-0.0164112	0.00809015	0.042506	-0.370286	0.0565447	5.81E-11	0.0443203	0.0228726	0.05265959	0.7214706	8	0.4928884
ENSG00000067221	15	STOML1	74275547	rs11072458	15	74256407	G	A	0.593439	0.0166815	0.00835272	0.045811	-0.380808	0.0509925	8.15E-14	-0.0438055	0.022705	0.05368939	0.08919791	12	0.4975151
ENSG00000138623	15	SEMA7A	74701630	rs11629749	15	74919593	G	C	0.151093	-0.0169673	0.0115715	0.142566	-0.475872	0.0757791	3.39E-10	0.0356552	0.0249705	0.1533229	0.2442555	13	0.65219838
ENSG00000179361	15	ARID3B	74833518	rs76577397	15	74886970	T	G	0.0357853	-0.0034854	0.0337902	0.917846	0.767267	0.120631	2.01E-10	-0.0045426	0.0440455	0.9178563	0.8309187	6	0.98780912
ENSG00000140497	15	SCAMP2	75136071	rs7169261	15	75238663	G	A	0.602386	0.00718293	0.00808619	0.374381	0.191745	0.0336131	1.17E-08	0.0374608	0.0426798	0.3800967	0.2621379	6	0.82033551
ENSG00000178802	15	MPI	75182346	rs12912839	15	75221245	T	C	0.492048	0.00561345	0.00819455	0.493329	0.27597	0.0453962	1.21E-09	0.0203408	0.0298816	0.4960523	0.1372925	20	0.86435789
ENSG00000138621	15	PPCDC	75315896	rs7172065	15	75321910	T	C	0.0795229	-0.0260289	0.0132881	0.0501349	0.759102	0.1281	3.11E-09	-0.0342891	0.0184366	0.06290851	0.3159353	12	0.50845953
ENSG00000140400	15	MAN2C1	75648133	rs12916964	15	75792297	A	T	0.282306	-0.00066	0.00993791	0.947053	0.443301	0.0462504	9.26E-22	-0.0014887	0.0224185	0.9470546	0.1087183	10	0.99338916
ENSG00000260274	15	RP11-817O13.8	75660496	rs111313724	15	75620810	A	G	0.236581	-0.004794	0.00884567	0.587849	0.356609	0.0553881	1.21E-10	-0.0134432	0.0248927	0.5891663	0.05229347	13	0.89548788
ENSG00000169371	15	SNUPN	75890424	rs113978196	15	75916965	A	G	0.22664	0.00026061	0.00905312	0.977034	-0.682232	0.0653471	1.63E-25	-0.000382	0.0132699	0.9770344	0.2241271	20	0.99743145
ENSG00000246877	15	DNM1P35	76020011	rs2604415	15	76057436	A	G	0.677932	0.00575638	0.00937789	0.539332	-0.394098	0.0644907	9.91E-10	-0.0146065	0.0239156	0.5413643	0.7911704	9	0.87809147
ENSG00000167196	15	FBXO22	76196200	rs147802814	15	76369503	A	G	0.0149105	-0.0282157	0.0388341	0.467491	-0.99019	0.125453	2.95E-15	0.0284952	0.0393847	0.4693659	0.6271811	20	0.85740342
ENSG00000169752	15	NRG4	76228310	rs4886747	15	76151081	A	G	0.802187	0.00937049	0.0103566	0.365579	1.3279	0.0872538	2.65E-52	0.00705662	0.007813	0.3664253	0.6890983	20	0.81816933
ENSG00000260685	15	RP11-326L17.1	76242805	rs4886747	15	76151081	A	G	0.802187	0.00937049	0.0103566	0.365579	0.636925	0.0956906	2.81E-11	0.0147121	0.0164099	0.3699648	0.6982819	5	0.81816933
ENSG00000140386	15	SCAPER	76640526	rs55746932	15	77074794	C	T	0.310139	0.00132671	0.00864395	0.878016	0.46801	0.0549986	1.75E-17	0.00283479	0.0184726	0.8780361	0.6779212	20	0.98141463
ENSG00000173517	15	PEAK1	77400471	rs62009067	15	77813087	C	A	0.322068	-0.0193349	0.00852593	0.0233426	0.575772	0.0727118	2.40E-15	-0.0335808	0.0154031	0.02924763	0.1809363	17	0.41039362
ENSG00000140382	15	HMG20A	77712754	rs71407208	15	77641632	T	C	0.22167	-0.0144236	0.0100384	0.15076	0.325196	0.0488266	2.73E-11	-0.0443536	0.0315789	0.1601612	0.07503541	17	0.65939472
ENSG00000259362	15	RP11-307C19.1	77817882	rs62009087	15	77833064	T	C	0.373757	-0.0115952	0.00825509	0.160136	0.624129	0.0901138	4.33E-12	-0.0185782	0.0134958	0.1686395	0.3920489	18	0.66623176
ENSG00000169783	15	LINGO1	77905369	rs11072701	15	78208775	G	C	0.250497	-0.011298	0.0094972	0.234197	-0.308756	0.0549052	1.87E-08	0.036592	0.0314403	0.2444821	0.5872536	14	0.73840068
ENSG00000259666	15	RP11-307C19.3	77934106	rs62007348	15	77804501	T	C	0.298211	-0.0188921	0.00856711	0.0274404	0.803194	0.0991532	5.47E-16	-0.0235212	0.0110545	0.03335727	0.3274482	18	0.42178047
ENSG00000260776	15	RP11-114H24.2	78206559	rs11072698	15	78208634	T	C	0.240557	-0.0122379	0.00958213	0.201548	-1.09564	0.083192	1.31E-39	0.0111696	0.00878672	0.2036591	0.3497095	20	0.70438329
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.616119	0.0783207	3.64E-15	-0.0019543	0.0148409	0.8952333	0.1629128	15	0.98597578

ENSG00000259562	15	RP11-762H8.2	78582869	rs6495288	15	78594485	T	C	0.423459	0.00505965	0.00835103	0.5446	0.551527	0.0707087	6.19E-15	0.00917389	0.0151873	0.5458092	0.9647336	9	0.88045574
ENSG00000169684	15	CHRNA5	78857862	rs12591557	15	78811732	G	A	0.371769	0.00408145	0.00833795	0.624486	0.571468	0.0821628	3.52E-12	0.00714204	0.0146265	0.6253409	0.9762743	11	0.91291707
ENSG00000058335	15	RASGRF1	79252289	rs894780	15	79298523	A	G	0.116302	0.00736763	0.0175585	0.674775	0.598428	0.0741397	6.94E-16	0.0123116	0.0293807	0.6751877	0.459504	5	0.92565167
ENSG00000169330	15	KIAA1024	79724858	rs10851921	15	79728702	T	C	0.668986	-0.0126767	0.008909	0.154764	-0.413008	0.0634309	7.46E-11	0.0306936	0.0220801	0.1644977	0.3213955	17	0.66127026
ENSG00000259548	15	RP11-38G5.2	80124808	rs7165770	15	80126393	C	A	0.266402	-0.010148	0.00888256	0.253262	1.0335	0.091894	2.41E-29	-0.0098191	0.00863887	0.2556996	0.3995616	20	0.74586579
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-1.08541	0.0697125	1.17E-54	-0.0041037	0.00747672	0.5830978	0.5533648	20	0.89290364
ENSG00000086666	15	ZFAND6	80351910	rs1522636	15	80414173	G	C	0.754473	0.00956259	0.00895242	0.28545	0.447081	0.0543664	1.98E-16	0.0213889	0.0201924	0.289482	0.5016302	20	0.77325335
ENSG00000103876	15	FAH	80444832	rs1522636	15	80414173	G	C	0.754473	0.00956259	0.00895242	0.28545	0.773695	0.0687937	2.41E-29	0.0123596	0.0116231	0.2876134	0.614366	20	0.77196158
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-0.51092	0.0737561	4.29E-12	0.00109852	0.0202688	0.9567777	0.6759232	15	0.99568877
ENSG00000103888	15	KIAA1199	81071684	rs2271159	15	81179926	T	G	0.302187	-0.0023773	0.00888407	0.789016	0.522751	0.0863384	1.41E-09	-0.0045476	0.0170114	0.7892183	0.9455185	6	0.9600829
ENSG00000117899	15	MESDC2	81239667	rs79754687	15	81251444	C	T	0.140159	0.00506445	0.014906	0.734039	0.632297	0.0850377	1.04E-13	0.00800961	0.023599	0.7343046	0.1868363	8	0.94453419
ENSG00000260619	15	RP11-775C24.3	81283145	rs1546468	15	81353290	T	A	0.695825	-0.0046425	0.00855298	0.587269	-0.448492	0.0810225	3.11E-08	0.0103514	0.019162	0.5890543	0.06215334	8	0.89548788
ENSG00000188659	15	FAM154B	82555151	rs113413540	15	82581577	G	A	0.0337972	-0.0098845	0.0178084	0.578862	1.94243	0.170688	5.26E-30	-0.0050887	0.009179	0.5793133	0.6243165	19	0.89197262
ENSG00000197978	15	GOLGA6L9	82722223	rs62011075	15	83043477	G	C	0.757455	-0.0123762	0.0109987	0.260486	-0.821034	0.0912211	2.25E-19	0.0150739	0.0135004	0.2641868	0.859126	20	0.74844633
ENSG00000255769	15	RP11-152F13.3	82765134	rs148258055	15	82887316	A	G	0.300199	-0.006059	0.00874144	0.488226	0.626726	0.0876467	8.64E-13	-0.0096677	0.0140132	0.4902582	0.30736	20	0.86252211
ENSG00000259429	15	UBE2Q2P3	83023847	rs199949502	15	82885486	C	T	0.418489	-0.0083399	0.00810805	0.303672	-0.40564	0.0680053	2.45E-09	0.0205597	0.0202833	0.3107601	0.9498765	14	0.78170742
ENSG00000103723	15	AP3B2	83328033	rs4513065	15	83380848	G	C	0.185885	0.00317422	0.0117931	0.787807	0.466797	0.0504029	2.02E-20	0.0068	0.0252745	0.7878947	0.1159097	20	0.9600829
ENSG00000103942	15	HOMER2	83509838	rs1256430	15	83519472	A	G	0.156064	0.0311342	0.0114352	0.00647575	0.432974	0.0793333	4.82E-08	0.0719078	0.0295149	0.01483738	0.5355112	3	0.34725322
ENSG00000169609	15	C15orf40	83657193	rs6603041	15	83670073	C	A	0.483101	-0.0102367	0.00806241	0.204199	-0.815072	0.0643441	8.96E-37	0.0125593	0.00994122	0.2064627	0.5468423	20	0.70730227
ENSG00000064726	15	BTBD1	83685174	rs74249839	15	82537997	G	T	0.106362	-0.0077747	0.014235	0.58495	0.371492	0.0605007	8.24E-10	-0.0209283	0.0384697	0.5864272	0.3353442	13	0.89548788
ENSG00000156218	15	ADAMTSL3	84322838	rs35075309	15	84375147	A	G	0.141153	0.00162113	0.0130939	0.901468	-0.854564	0.0972165	1.49E-18	-0.001897	0.0153238	0.901477	0.00444932	20	0.9863793
ENSG00000225151	15	AC103965.1	84867600	rs12902973	15	85105982	C	G	0.2833	-0.019552	0.00893224	0.0286022	-0.671295	0.0987219	1.05E-11	0.0291258	0.0139784	0.03719403	0.2709484	9	0.4376172
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.874895	0.128147	8.65E-12	0.0082123	0.0118827	0.4894934	0.09768317	8	0.86252211
ENSG00000259683	15	RP11-182J1.14	84944427	rs7162605	15	85086549	T	C	0.297217	0.00607843	0.00881019	0.490237	-0.75152	0.11125	1.43E-11	-0.0080882	0.0117841	0.4924853	0.3003963	16	0.86291915
ENSG00000230373	15	GOLGA6L5	85051116	rs1809033	15	85123543	G	T	0.861829	-0.0045324	0.0115405	0.694511	-0.678226	0.110619	8.72E-10	0.00668279	0.0170506	0.6951034	0.9177491	17	0.93573909
ENSG00000176700	15	SCAND2P	85174682	rs72630463	15	85293930	A	G	0.135189	0.00258507	0.0110739	0.81542	0.593631	0.0733356	5.74E-16	0.00435467	0.0186623	0.8154966	0.4757717	20	0.96637758
ENSG00000259295	15	CSPG4P12	85734669	rs28416825	15	85731471	C	T	0.532803	-0.0024528	0.0081231	0.762686	-0.653715	0.0901563	4.14E-13	0.00375211	0.0124368	0.7628858	0.9049007	19	0.95514229
ENSG00000259407	15	RP11-158M2.3	86287340	rs8038207	15	86316570	T	G	0.409543	0.00514681	0.00815895	0.528159	-0.519335	0.0804875	1.10E-10	-0.0099104	0.0157853	0.530119	0.9562429	20	0.87557054
ENSG00000259416	15	RP11-158M2.5	86298172	rs12148571	15	86267393	A	G	0.198807	0.00352346	0.0101745	0.729115	-0.614953	0.0953693	1.13E-10	-0.0057296	0.016569	0.7294895	0.9102994	13	0.94229089
ENSG00000183655	15	KLHL25	86302554	rs4842900	15	86349890	C	T	0.683897	-0.0018196	0.00882323	0.836615	-0.3388	0.0593534	1.14E-08	0.00537063	0.0260596	0.8367202	0.7157009	11	0.97276333
ENSG00000140511	15	HAPLN3	89420519	rs75392690	15	89432227	A	T	0.125249	0.022325	0.0146926	0.128643	-0.506015	0.0793279	1.79E-10	-0.0441192	0.0298483	0.139377	0.01833236	8	0.63721248
ENSG00000140521	15	POLG	89859534	rs35134744	15	89886760	T	C	0.406561	0.00500209	0.00807988	0.535863	0.352955	0.0502118	2.08E-12	0.014172	0.0229807	0.5374375	0.1296165	14	0.87578658
ENSG00000261478	15	RP11-429B14.4	90052192	rs7164930	15	90041961	G	T	0.345924	0.00737314	0.00830643	0.374733	0.575934	0.0785551	2.27E-13	0.0128021	0.0145279	0.3782055	0.09394372	4	0.82033551
ENSG00000157823	15	AP3S2	90373831	rs11638138	15	90428755	T	C	0.738569	0.0108688	0.00940767	0.247961	-0.566398	0.0693817	3.25E-16	-0.0191893	0.0167752	0.2526593	0.392056	9	0.74586579
ENSG00000185043	15	CIB1	90773207	rs8028268	15	90777459	G	A	0.17495	0.0130708	0.0140373	0.351776	-0.489106	0.0554522	1.14E-18	-0.0267239	0.0288594	0.3544449	0.235063	20	0.81746804
ENSG00000183208	15	GDPGP1	90777040	rs1533327	15	90798272	A	G	0.426441	-0.0094764	0.00835816	0.256883	0.458623	0.0576058	1.70E-15	-0.0206627	0.0184083	0.2616657	0.8913828	12	0.74586579
ENSG00000213471	15	TTLL13	90792762	rs2063739	15	90798953	T	C	0.263419	-0.0110374	0.0091103	0.22569	-0.916911	0.0903748	3.46E-24	0.0120376	0.0100065	0.2289829	0.9052839	20	0.7275513
ENSG00000140575	15	IQGAP1	90931450	rs16944424	15	90983465	G	A	0.17495	-0.0124461	0.0101313	0.219267	0.979131	0.0755947	2.28E-38	-0.0127114	0.0103937	0.2213329	0.0110982	20	0.72284625
ENSG00000140577	15	CRTC3	91073157	rs6496708	15	91146544	G	A	0.722664	-0.0116131	0.00897764	0.195816	-0.406145	0.064553	3.14E-10	0.0285935	0.0225669	0.2051354	0.3496994	18	0.70729121
ENSG00000196547	15	MAN2A2	91445448	rs734252	15	91446472	C	T	0.362823	0.00612318	0.00841963	0.467072	-0.335834	0.0312987	7.36E-27	-0.0182328	0.0251283	0.4680927	0.7328012	20	0.85740342
ENSG00000140553	15	UNC45A	91473410	rs1266486	15	91460284	C	T	0.331014	0.0068876	0.00870409	0.428766	-0.337413	0.0520942	9.36E-11	-0.020413	0.0259884	0.4321804	0.8390513	20	0.84903406
ENSG00000166965	15	RCCD1	91498100	rs113343095	15	91522092	A	G	0.137177	0.00503395	0.0113015	0.656014	0.960456	0.0830967	6.70E-31	0.00524121	0.0117755	0.6562527	0.3739923	20	0.92318646
ENSG00000258725	15	PRC1-AS1	91509575	rs2290203	15	91512067	A	G	0.214712	0.0126697	0.00969569	0.191304	-0.662311	0.0737637	2.74E-19	-0.0191295	0.0147934	0.1959721	0.5913695	20	0.69762175
ENSG00000184056	15	VPS33B	91541646	rs12439788	15	91551714	G	C	0.0675944	0.0152842	0.0151369	0.312623	0.585328	0.0920265	2.01E-10	0.0261122	0.0261844	0.3186466	0.8458744	5	0.79066347
ENSG00000260337	15	RP11-386M24.6	93138790	rs6496990	15	93304476	C	T	0.333996	0.00500814	0.00832101	0.547263	-0.502671	0.0798704	3.10E-10	-0.0099631	0.0166291	0.5490839	0.9993162	8	0.88133611
ENSG00000260361	15	CTD-2313J17.5	93322987	rs72760030	15	93321664	A	G	0.238569	0.00247261	0.00923462	0.788889	1.0267	0.101782	6.29E-24	0.00240831	0.00899764	0.788961	0.6316914	20	0.9600829
ENSG00000140443	15	IGF1R	99192200	rs2593053	15	99500256	A	G	0.418489	0.0249626	0.00847234	0.00321536	-0.609162	0.0528857	1.06E-30	-0.0409786	0.014356	0.00431102	0.00010573	20	0.24661235
ENSG00000259475	15	RP11-654A16.3	99497378	rs2593053	15	99500256	A	G	0.418489	0.0249626	0.00847234	0.00321536	-0.776782	0.0904257	8.68E-18	-0.0321359	0.0115307	0.00532002	0.00098458	20	0.26570111
ENSG00000182253	15	SYNM	99638420	rs2623180	15	99739527	C	G	0.65507	-0.0111251	0.00818074	0.173856	-0.39531	0.0465828	2.14E-17	0.0281427	0.0209585	0.1793427	0.9594065	20	0.67831927
ENSG00000103852	15	TTC23	99676528	rs55909409	15	99781204	T	C	0.472167	0.00225707	0.00812822	0.781255	-0.650592	0.0647811	9.87E-24	-0.0034693	0.0124983	0.781337	0.1537019	20	0.95999897
ENSG00000183060	15	LYSMD4	100255902	rs35747287	15	100273607	C	G	0.682903	-0.0006434	0.00862168	0.940509	-0.833004	0.0599525	6.85E-44	0.00077243	0.0103503	0.9405095	0.4474647	20	0.99338916
ENSG00000182397	15	DNM1P46	100330361	rs12591698	15	100328211	C	T	0.297217	0.00438837	0.00889313	0.62169	-0.772172	0.0946392	3.38E-16	-0.0056832	0.0115381	0.6223262	0.7566584	20	0.91051849
ENSG00000259363	15	CTD-2054N24.2	100347228	rs11858130	15	100364242	A	G	0.402584	0.00522661	0.00807923	0.517684	-0.663695	0.0907661	2.63E-13	-0.007875	0.0122207	0.5193146	0.9212868	20	0.87239215
ENSG00000189419	15	SPATA41	100884662	rs2581372	15	100475837	C	T	0.430417	0.0092118	0.00830928	0.267596	-0.485417	0.0850355	1.14E-08	-0.0189771	0.0174376	0.2764703	0.4789958	4	0.76430333
ENSG00000154227	15	CERS3	100940600	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.841097	0.0945317	5.71E-19	0.00395063	0.00967411	0.6830013	0.05387174	12	0.92826591
ENSG00000270127	15	RP11-526I2.5	101087972	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-1.09371	0.0673699	2.88E-59	0.00266999	0.00742509	0.7191539	0.1941419	20	0.93968224
ENSG00000259205	15	PRKXP1	101093734	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-1.05281	0.0773234	3.23E-42	0.00277371	0.00771434	0.7191817	0.1994194	20	0.93968224
ENSG00000140471	15	LINS	101099574	rs4965673	15	101089256	A	G	0.765408	-0.0133069	0.0093347	0.154003	0.445449	0.0771191	7.64E-09	-0.029873	0.0215845	0.1663571	0.8271558	3	0.66436828
ENSG00000184277	15	TM2D3	102161847	rs558555	15	102209741	A	G	0.642147	0.0210848	0.00828267	0.0109074	0.46244	0.0582889	2.13E-15	0.0455947	0.0188102	0.01535365	0.7682014	20	0.34725322
ENSG00000185418	15	TARSL2	102193801	rs479913	15	102183336	A	T	0.516899	0.00894851	0.00808873	0.268599	0.638554	0.0554435	1.08E-30	0.0140137	0.0127256	0.2707988	0.1080429	20	0.75891975
ENSG00000259658	15	RP11-89K11.1	102277302	rs1052887	15	102277480	C	G	0.225646	0.00968434	0.0100633	0.335875	0.539488	0.0981447	3.87E-08	0.017951	0.0189371	0.3431676	0.946215	4	0.81053309
ENSG00000185596	15	WASH3P	102501356	rs2203348	15	102366849	A	G	0.759443	0.0197164	0.00914337	0.0310556	-0.641447	0.109162	4.20E-09	-0.0307374	0.0151838	0.04293356	0.9708741	10	0.45993902
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-1.09516	0.0837965	4.93E-39	0.00452533	0.00964946	0.6390895	0.6206493	16	0.91799509
ENSG00000226942	16	IL9RP3	79336	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.803709	0.0977352	1.98E-16	0.00616636	0.0131616	0.6394184	0.775718	11	0.91799509
ENSG00000161981	16	SNRNP25	103010	rs2562145	16	103923	G	C	0.60338	-0.0022796	0.00840602	0.786252	-0.411475	0.053171	1.00E-14	0.00553995	0.0204415	0.78638	0.6714177	20	0.9600829
ENSG00000007384	16	RHBDF1	108058	rs743724	16	113493	C	G	0.706759	-0.0098265	0.00950968	0.301459	-0.508426	0.0619851	2.36E-16	0.0193272	0.018852	0.3052654	0.9384971	18	0.77894167
ENSG00000103148	16	NPRL3	134273	rs2541606	16	189971	C	T	0.410537	-0.0013298	0.00810925	0.869745	-0.599775	0.0552501	1.87E-27	0.00221711	0.013522	0.8697601	0.5999698	18	0.97828063
ENSG00000086506	16	HBQ1	230452	rs8045291	16	277912	G	A	0.0606362	-0.0479284	0.0187972	0.0107793	1.12523	0.167763	1.98E-11	-0.0425943	0.0178716	0.01715549	0.04094672	10	0.35094177
ENSG00000268836	16	LA16c-OS12.2	235747	rs3859140	16	234710	C	T	0.472167	0.0129844	0.00808651	0.108343	0.516816	0.0759858	1.04E-11	0.0251238	0.0160769	0.1181164	0.9540068	17	0.62295184
ENSG00000129925	16	TMEM8A	420773	rs59253482	16	428001	C	A	0.538767	0.0197396	0.00810296	0.0148467	0.837752	0.0575715	5.71E-48	0.0235626	0.00980687	0.01627629	0.1011073	20	0.34725322
ENSG00000236829	16	Z97634.3	432097	rs3785289	16	430842	G	C	0.527833	0.0173705	0.00811098	0.0322255	0.48408	0.0710655	9.64E-12	0.0358835	0.0175641	0.04105145	0.1315034	12	0.44792286
ENSG00000103202	16	NME4	446725	rs1204501	16	465843	G	A	0.472167	0.0124848	0.0081293	0.124593	-0.234195	0.037102	2.75E-10	-0.0533094	0.0357243	0.1356349	0.4243447	13	0.63721248
ENSG00000242612	16	DECR2	451826	rs3743890	16	456416	G	T	0.531809	-0.0119872	0.00811066	0.139419	-0.511442	0.0605518	3.01E-17	0.023438	0.0160994	0.1454378	0.2001034	20	0.64369056
ENSG00000127578	16	WFIKKN1	679239	rs35915772	16	679274	A	G	0.254473	0.0232637	0.00860796	0.0068805	0.776883	0.0623236	1.15E-35	0.0299449	0.0113375	0.00826089	0.2239396	20	0.28918841
ENSG00000130731	16	C16orf13	684429	rs117667029	16	686337	A	G	0.137177	0.0202903	0.0101436	0.0454663	0.395695	0.0564901	2.48E-12	0.0512776	0.0266597	0.05442778	0.5268045	4	0.49855845
ENSG00000161996	16	WDR90	699311	rs35244470	16	701578	T	C	0.11829	-0.0074752	0.0115193	0.516384	-0.359259	0.0650696	3.37E-08	0.0208072	0.0322848	0.5192581	0.960026	6	0.87239215
ENSG00000262528	16	LA16c-349E10.1	705034	rs3752495	16	710473	C	T	0.37674	0.0192523	0.00805154	0.0167962	-0.655307	0.0707317	1.96E-20	-0.0293791	0.0126893	0.02059845	0.03332638	20	0.36295776
ENSG00000140983	16	RHOT2	718086	rs12933682	16	721456	C	T	0.38171	0.0199959	0.00806424	0.0131541	0.199421	0.0317823	3.51E-10	0.10027	0.0434813	0.02110816	0.6963794	3	0.36316121
ENSG00000162004	16	CCDC78	772582	rs4984921	16	774520	T	C	0.468191	0.00502263	0.0082422	0.542273	-0.766832	0.0615638	1.30E-35	-0.0065498	0.0107612	0.5427552	0.6497124	20	0.87862202
ENSG00000103253	16	HAGHL	776936	rs12599130	16	772842	C	T	0.475149	0.00588683	0.00824862	0.475428	-0.315516	0.0470943	2.09E-11	-0.0186578	0.0262912	0.4779153	0.7314884	5	0.85740342
ENSG00000103245	16	NARFL	779753	rs2071951	16	783004	C	T	0.240557	-0.0005454	0.00866336	0.949806	1.04366	0.0693975	4.08E-51	-0.0005225	0.00830101	0.9498063	0.05846376	20	0.99338916
ENSG00000127586	16	CHTF18	838046	rs6600232	16	826710	G	C	0.229622	-0.0181395	0.0101187	0.0730264	-0.327741	0.0442868	1.36E-13	0.0553471	0.031767	0.08145923	0.9678763	20	0.55874
ENSG00000103227	16	LMF1	903634	rs11248957	16	1009667	G	A	0.374751	-0.0012841	0.00853902	0.880462	-0.582645	0.0622498	7.99E-21	0.00220397	0.0146575	0.8804772	0.4962356	20	0.98191477
ENSG00000260316	16	LA16c-306A4.2	950520	rs9328933	16	987520	T	C	0.383698	-0.0015367	0.00854416	0.857263	-0.607259	0.0643795	4.00E-21	0.00253062	0.0140726	0.8572893	0.4287621	20	0.97828063
ENSG00000260807	16	RP11-161M6.2	1025761	rs1978481	16	1026373	A	G	0.146123	-0.011016	0.0151058	0.465846	-0.38235	0.059392	1.21E-10	0.0288113	0.0397605	0.468684	0.3541264	12	0.85740342
ENSG00000095917	16	TPSD1	1306060	rs4984779	16	1297810	G	A	0.524851	0.00173392	0.00841884	0.836825	0.676454	0.0786796	8.14E-18	0.00256325	0.0124491	0.8368706	0.5388916	20	0.97276333
ENSG00000007516	16	BAIAP3	1383602	rs761055	16	1393181	C	G	0.0318091	0.0224069	0.0264116	0.396231	1.34759	0.203935	3.90E-11	0.0166274	0.01976	0.4000865	0.7051334	10	0.82963504
ENSG00000197599	16	CCDC154	1484384	rs35973002	16	1519126	A	G	0.083499	0.00334437	0.0170319	0.844329	1.35188	0.129833	2.18E-25	0.00247387	0.0126009	0.8443564	0.2131911	20	0.97638016
ENSG00000103249	16	CLCN7	1494935	rs35280276	16	1510538	G	A	0.117296	0.00609205	0.0137995	0.658875	-0.528416	0.070492	6.57E-14	-0.0115289	0.0261601	0.6594264	0.5366481	20	0.92440725
ENSG00000260051	16	LA16c-390E6.4	1501761	rs742409	16	1499617	C	T	0.0914513	0.00402079	0.0166281	0.80893	-0.625022	0.0887034	1.84E-12	-0.006433	0.0266197	0.80904	0.2604659	17	0.96594546
ENSG00000100726	16	TELO2	1543345	rs2473458	16	1564350	A	G	0.0626243	0.0153284	0.0225738	0.497116	-0.519482	0.0903887	9.07E-09	-0.0295071	0.0437567	0.5000923	0.7864127	6	0.86521828
ENSG00000187535	16	IFT140	1560428	rs2235639	16	1574252	G	A	0.439364	-0.0084703	0.00810851	0.296199	0.365182	0.0512927	1.08E-12	-0.0231947	0.0224418	0.3013454	0.9750128	20	0.77863838
ENSG00000007545	16	CRAMP1L	1662326	rs2235488	16	1731306	T	G	0.0755467	0.0128386	0.0155117	0.407858	0.59386	0.0947644	3.69E-10	0.0216189	0.026347	0.4119048	0.6662033	16	0.83688257
ENSG00000099769	16	IGFALS	1840414	rs9923608	16	1844013	C	T	0.0934394	0.00351633	0.0158374	0.824294	1.14336	0.14983	2.33E-14	0.00307544	0.0138575	0.824366	0.3776976	19	0.96886182
ENSG00000063854	16	HAGH	1845621	rs3760038	16	1874717	T	C	0.213718	-0.0062092	0.00995902	0.532972	0.667599	0.0550129	6.86E-34	-0.0093008	0.0149373	0.5335108	0.8796086	20	0.87557054
ENSG00000180185	16	FAHD1	1876968	rs62038428	16	1892549	G	A	0.180915	-0.000731	0.00930303	0.937372	1.25149	0.0784269	2.53E-57	-0.0005841	0.00743365	0.9373728	0.5913541	20	0.99333365
ENSG00000140990	16	NDUFB10	2009509	rs2815301	16	2004718	C	T	0.777336	-0.005124	0.0118741	0.666082	0.32237	0.0555954	6.69E-09	-0.0158949	0.0369356	0.6669484	0.1062097	4	0.92466627
ENSG00000255513	16	AC005363.9	2013746	rs72764893	16	2013756	C	T	0.130219	-0.0005729	0.0118637	0.961482	1.28546	0.0994406	3.17E-38	-0.0004457	0.00922921	0.9614824	0.6510256	20	0.99596391
ENSG00000255198	16	SNHG9	2014960	rs2302177	16	2014979	T	G	0.549702	-0.0014375	0.00806743	0.858578	0.312536	0.054086	7.54E-09	-0.0045995	0.0258251	0.8586437	0.5773894	8	0.97828063
ENSG00000167965	16	MLST8	2254249	rs377209087	16	2251405	C	T	0.398608	-0.0111726	0.00814302	0.170049	0.415593	0.0471619	1.23E-18	-0.0268835	0.0198298	0.175191	0.2706001	20	0.67151653
ENSG00000205937	16	RNPS1	2303117	rs11642797	16	2317778	G	T	0.407555	-0.0125407	0.00824143	0.128093	-0.655884	0.0567995	7.61E-31	0.0191203	0.012674	0.1313951	0.5420389	10	0.63721248
ENSG00000260778	16	MIR940	2318156	rs12599229	16	2323394	A	G	0.400596	-0.0113421	0.0082307	0.168197	0.463947	0.0546323	2.03E-17	-0.024447	0.0179727	0.1737566	0.2696871	6	0.67151653
ENSG00000167972	16	ABCA3	2325882	rs4787273	16	2349760	T	G	0.321074	-0.012863	0.00847647	0.129143	-0.302329	0.0449996	1.84E-11	0.0425464	0.0287435	0.138818	0.8699003	10	0.63721248
ENSG00000261613	16	RP11-20I23.13	2604061	rs34175424	16	2725045	A	G	0.262425	0.00700115	0.00917309	0.445328	1.31227	0.105895	2.88E-35	0.00533514	0.00700349	0.4461892	0.5790535	18	0.85417294
ENSG00000269937	16	RP11-20I23.8	2611472	rs542035483	16	2688857	C	T	0.10835	0.0125703	0.015461	0.416199	0.858316	0.112517	2.38E-14	0.0146453	0.0181152	0.4188293	0.5441817	9	0.83995347
ENSG00000215154	16	AC141586.5	2653351	rs11642342	16	2710415	C	T	0.144135	0.00459695	0.0144389	0.750202	0.789102	0.109669	6.23E-13	0.00582555	0.0183158	0.7504384	0.4917769	12	0.95123252
ENSG00000205918	16	PDPK2	2666122	rs4238840	16	2710771	A	G	0.402584	0.00774978	0.00846691	0.360034	-0.708832	0.0935247	3.48E-14	-0.0109332	0.0120317	0.3635088	0.2256676	6	0.81816933
ENSG00000260176	16	CTD-3126B10.4	2694085	rs4238839	16	2706036	C	T	0.406561	0.00729092	0.00846105	0.388851	-0.911586	0.0944106	4.66E-22	-0.0079981	0.00931857	0.3907308	0.3157627	9	0.82413137
ENSG00000260565	16	ERVK13-1	2710350	rs11648529	16	2725256	G	A	0.413519	0.00782258	0.00846913	0.355664	-0.993031	0.0642963	8.20E-54	-0.0078775	0.0085438	0.356523	0.6190342	17	0.81746804
ENSG00000172460	16	PRSS30P	2889569	rs886287	16	2916791	C	G	0.409543	0.00287241	0.00858827	0.738035	-0.578574	0.095992	1.67E-09	-0.0049646	0.0148667	0.7384221	0.5012755	9	0.94584644
ENSG00000005001	16	PRSS22	2902728	rs4785912	16	2910767	G	A	0.838966	-0.0042295	0.00996898	0.67137	0.439173	0.057857	3.18E-14	-0.0096307	0.0227349	0.6718518	0.1353587	3	0.92466627
ENSG00000263280	16	LA16c-325D7.2	2916349	rs17660212	16	2918292	G	A	0.39662	0.00673976	0.00874778	0.441031	0.61847	0.102608	1.67E-09	0.0108975	0.0142593	0.4447268	0.3709299	9	0.85417294
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	1.12597	0.063105	3.29E-71	0.00729217	0.00728807	0.3170377	0.4033726	20	0.78883862
ENSG00000127564	16	PKMYT1	3018025	rs2526273	16	3052578	T	C	0.634195	-0.0078568	0.00826617	0.341871	0.531692	0.0706344	5.18E-14	-0.014777	0.0156704	0.3456873	0.4974468	11	0.8110906
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2524316	16	3054011	G	C	0.612326	-0.0097591	0.00819861	0.233914	0.607308	0.0650478	9.97E-21	-0.0160695	0.0136092	0.2376905	0.79681	20	0.73239475
ENSG00000205890	16	RP11-473M20.5	3082482	rs879734	16	3097295	T	C	0.317097	0.00796852	0.00903548	0.377824	-0.383689	0.0641742	2.25E-09	-0.0207682	0.0238038	0.3829499	0.5901344	10	0.82111886
ENSG00000008517	16	IL32	3115298	rs45499297	16	3115272	C	T	0.112326	0.00804293	0.0190773	0.673319	-0.67838	0.0940175	5.37E-13	-0.0118561	0.0281698	0.6738434	0.9904966	4	0.92494762
ENSG00000263072	16	RP11-473M20.14	3166043	rs11649450	16	3181996	A	G	0.374751	0.0164587	0.00855509	0.0543726	0.587208	0.0643667	7.32E-20	0.0280287	0.0148895	0.0597754	0.2223363	20	0.50428503
ENSG00000228146	16	CASP16	3194220	rs2238377	16	3190335	G	A	0.410537	0.0162447	0.00844889	0.0545168	-0.532529	0.0756759	1.96E-12	-0.0305048	0.0164472	0.06363661	0.5141245	12	0.50845953
ENSG00000262521	16	AJ003147.8	3231233	rs7184884	16	3251812	T	C	0.22664	0.0152527	0.0101133	0.131507	-0.567606	0.102903	3.47E-08	-0.026872	0.0184715	0.1457294	0.4816814	10	0.64440518
ENSG00000262668	16	AJ003147.9	3238212	rs34247116	16	3238188	T	A	0.483101	0.00569347	0.00820103	0.487532	-0.51711	0.0939883	3.76E-08	-0.0110102	0.0159851	0.4909638	0.4436849	4	0.86252211
ENSG00000010539	16	ZNF200	3272325	rs186493	16	3289331	G	T	0.337972	-0.011517	0.00826872	0.163667	0.586624	0.0690492	1.97E-17	-0.0196327	0.0142836	0.1692896	0.1163999	10	0.66827633
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	0.946955	0.102424	2.34E-20	0.0196104	0.0149399	0.1893104	0.00033592	20	0.68926194
ENSG00000167984	16	NLRC3	3589033	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	-1.13542	0.0973916	2.08E-31	-0.0163554	0.0124134	0.1876514	2.48E-05	20	0.68796415
ENSG00000188827	16	SLX4	3631182	rs11861770	16	3664009	A	G	0.220676	-0.0155838	0.00977266	0.110795	-0.446598	0.0483623	2.60E-20	0.0348945	0.0222063	0.1160954	0.2344115	20	0.61826457
ENSG00000213918	16	DNASE1	3661729	rs12924990	16	3661815	C	T	0.175944	0.0032603	0.0110342	0.767634	0.35944	0.0524293	7.10E-12	0.0090705	0.0307268	0.7678425	0.05342301	7	0.95514229
ENSG00000126602	16	TRAP1	3701640	rs4786429	16	3728517	T	C	0.715706	0.00050418	0.00957198	0.957993	0.915521	0.0729188	3.72E-36	0.0005507	0.0104553	0.9579936	0.00822639	20	0.99596391
ENSG00000262185	16	RP11-462G12.1	3997610	rs2531995	16	4013467	T	C	0.61332	-0.0054317	0.00815612	0.50543	-0.647655	0.10537	7.92E-10	0.00838676	0.012667	0.5079104	0.8304019	5	0.86831771
ENSG00000153406	16	NMRAL1	4511681	rs4786500	16	4525265	T	C	0.700795	0.00113162	0.00915486	0.901625	-1.10688	0.0702163	5.51E-56	-0.0010224	0.00827112	0.9016281	0.3902953	20	0.9863793
ENSG00000103415	16	HMOX2	4524691	rs9923354	16	4450421	G	T	0.754473	-0.0007519	0.00916949	0.934644	-0.25136	0.0411021	9.63E-10	0.00299143	0.0364828	0.9346501	0.4452358	19	0.99333365
ENSG00000089486	16	CDIP1	4560676	rs6500614	16	4573938	G	A	0.708748	0.00103665	0.00925277	0.910795	-0.899796	0.0595441	1.36E-51	-0.0011521	0.0102835	0.9107967	0.3314024	20	0.98753784
ENSG00000102858	16	MGRN1	4666494	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	1.12635	0.061729	2.20E-74	0.00469351	0.00728978	0.5196736	0.2647494	20	0.87239215
ENSG00000168101	16	NUDT16L1	4743695	rs841227	16	4734513	T	C	0.506958	0.00845771	0.00809263	0.295971	0.332398	0.0447109	1.05E-13	0.0254445	0.0245856	0.3006986	0.3788595	20	0.77863838
ENSG00000103199	16	ZNF500	4798240	rs3747603	16	4808523	C	A	0.622266	0.0150045	0.00837674	0.0732588	-0.611679	0.0522249	1.10E-31	-0.02453	0.0138539	0.07662332	0.3387163	20	0.54633403
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	1.03161	0.078435	1.65E-39	0.00383685	0.00789394	0.6269317	0.1271832	20	0.91371819
ENSG00000267795	16	SMIM22	4838398	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.916359	0.0722726	7.71E-37	0.00431941	0.00888722	0.6269496	0.3504106	20	0.91371819
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	1.23992	0.0970222	2.13E-37	-0.016762	0.00830372	0.04352785	0.01453065	20	0.46194504
ENSG00000267072	16	RP11-165E7.1	5060910	rs9924614	16	5115228	T	C	0.314115	0.00345202	0.00839034	0.680758	-0.74403	0.0925727	9.19E-16	-0.0046396	0.0112916	0.6811533	0.4415113	19	0.9275455
ENSG00000033011	16	ALG1	5083703	rs8056523	16	5133606	T	G	0.531809	0.0106059	0.00823149	0.197586	0.479914	0.0555557	5.70E-18	0.0220996	0.0173417	0.2025369	0.3313507	11	0.70245572
ENSG00000153446	16	C16orf89	5094123	rs9924614	16	5115228	T	C	0.314115	0.00345202	0.00839034	0.680758	-0.411692	0.0621597	3.52E-11	-0.008385	0.0204194	0.6813392	0.2108506	7	0.9275455
ENSG00000067365	16	METTL22	8715540	rs77761039	16	8744970	T	C	0.119284	0.00824544	0.015912	0.604327	-1.23358	0.0950082	1.51E-38	-0.0066842	0.0129093	0.6046133	0.3166316	20	0.90270816
ENSG00000260276	16	RP11-77H9.2	8941962	rs8062235	16	8925056	A	G	0.952286	-0.0059975	0.0210325	0.775527	-0.94052	0.160229	4.36E-09	0.00637677	0.022389	0.7757843	0.7623008	12	0.95802127
ENSG00000183454	16	GRIN2A	9852376	rs1463132	16	10183087	C	T	0.777336	-0.0109491	0.0121519	0.367581	0.301177	0.0514569	4.83E-09	-0.0363544	0.0408233	0.3731816	0.179568	15	0.82005224
ENSG00000261810	16	RP11-895K13.2	10127541	rs837694	16	10110040	G	A	0.624254	0.0141725	0.00819198	0.0836219	0.507691	0.0788926	1.23E-10	0.0279156	0.0167087	0.09477638	0.5019606	10	0.58914688
ENSG00000263033	16	RP11-396B14.2	11290034	rs12927056	16	11291513	A	G	0.213718	-0.0085223	0.00911939	0.350033	-0.423475	0.0740044	1.05E-08	0.0201247	0.0218199	0.3563681	0.2832345	8	0.81746804
ENSG00000263179	16	HNRNPCP4	11336510	rs1646067	16	11319045	A	G	0.707753	-5.19E-05	0.00851162	0.995131	-0.696954	0.094532	1.67E-13	7.45E-05	0.0122126	0.9951312	0.4760237	12	0.99906546
ENSG00000175643	16	RMI2	11343476	rs12597893	16	11426331	G	A	0.481113	0.00482136	0.00812879	0.553099	0.667684	0.0879578	3.18E-14	0.00722102	0.0122117	0.5543066	0.3367358	20	0.88133611
ENSG00000188897	16	CTD-3088G3.8	11453702	rs8052068	16	11495560	T	C	0.219682	0.00850073	0.0107083	0.427285	0.805349	0.112283	7.36E-13	0.0105553	0.0133777	0.4300962	0.845361	14	0.84751306
ENSG00000189067	16	LITAF	11641853	rs17552324	16	11681042	G	C	0.34493	0.00725806	0.00829226	0.38142	0.553019	0.0718071	1.35E-14	0.0131244	0.0150911	0.3844739	0.2770351	8	0.82188387
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.17726	0.0754292	6.47E-55	0.0046812	0.00686423	0.495258	0.01157882	20	0.86367134
ENSG00000254852	16	NPIPA2	14841923	rs78127107	16	15279867	T	C	0.562624	-0.0125511	0.00830393	0.130669	0.466201	0.0826413	1.69E-08	-0.0269221	0.0184402	0.1442983	0.8210339	6	0.64201918
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.712064	0.0884061	7.98E-16	0.0252237	0.0119203	0.03434179	0.7254433	17	0.42178047

ENSG00000261819	16	RP11-680G24.4	15082116	rs201916282	16	15450385	C	G	0.0487078	-0.0234408	0.020519	0.253291	-1.15342	0.185932	5.52E-10	0.0203229	0.0180888	0.2612239	0.00808156	14	0.74586579
ENSG00000085721	16	RRN3	15153879	rs8060236	16	15177695	A	T	0.592445	0.00689856	0.00819943	0.400154	-0.448269	0.0601638	9.28E-14	-0.0153893	0.0184076	0.4031363	0.00331786	18	0.83082996
ENSG00000260735	16	RP11-72I8.1	15188268	rs2966179	16	15179686	T	C	0.728628	-0.0153965	0.00933017	0.0989054	-1.07464	0.0893395	2.51E-33	0.0143271	0.00876345	0.102076	0.03459579	20	0.60248939
ENSG00000188599	16	NPIPP1	15198178	rs2665222	16	15255251	T	C	0.152087	0.0335247	0.01227	0.00629014	0.46572	0.0781586	2.54E-09	0.0719847	0.028984	0.01300609	0.01518514	9	0.33878364
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	0.938619	0.0910802	6.66E-25	-0.0191355	0.0089208	0.03194985	0.1234032	20	0.42178047
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.492333	0.0606083	4.54E-16	-0.0031402	0.0186801	0.8665025	0.26384	20	0.97828063
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.880173	0.0821147	8.31E-27	0.00175648	0.0104479	0.8664904	0.4523861	20	0.97828063
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.831831	0.0806999	6.50E-25	-0.0191248	0.0131341	0.1453604	0.9684309	10	0.64369056
ENSG00000227827	16	RP11-958N24.2	16450081	rs62030357	16	16306192	T	G	0.201789	0.0128319	0.012515	0.305209	1.01216	0.119475	2.42E-17	0.0126777	0.0124549	0.3087285	0.5539218	12	0.78078678
ENSG00000170540	16	ARL6IP1	18802991	rs2606432	16	18779836	T	C	0.461233	0.0100039	0.00811555	0.217692	0.246821	0.037735	6.11E-11	0.040531	0.0334591	0.2257578	0.2268077	11	0.72659822
ENSG00000006007	16	GDE1	19513015	rs11074398	16	19506235	T	C	0.122266	0.0166068	0.0133413	0.21322	0.425464	0.0658826	1.06E-10	0.0390322	0.0319342	0.2216063	0.3711514	8	0.72284625
ENSG00000103550	16	KNOP1	19714902	rs55996374	16	19724020	G	A	0.16004	0.0277878	0.0114991	0.0156693	1.29957	0.0912042	4.55E-46	0.0213823	0.00897473	0.01719552	0.09976331	20	0.35094177
ENSG00000261195	16	CTD-2380F24.1	19772494	rs2047889	16	19777705	A	C	0.16004	0.0211608	0.0115078	0.0659417	-0.862643	0.0968715	5.34E-19	-0.0245302	0.0136216	0.07172966	0.01402147	15	0.52709798
ENSG00000166743	16	ACSM1	20634559	rs12926853	16	20765943	C	A	0.580517	0.00990509	0.00815099	0.22429	-0.538719	0.0784516	6.56E-12	-0.0183864	0.0153654	0.2314592	0.6867648	8	0.7275513
ENSG00000005189	16	AC004381.6	20817751	rs12325560	16	20909404	T	C	0.583499	0.0106168	0.00817809	0.194216	-0.539179	0.0570068	3.13E-21	-0.0196907	0.0153099	0.1983936	0.2091817	20	0.70012354
ENSG00000262983	16	AF001550.7	21206168	rs2075521	16	21222941	A	C	0.480119	-0.0209641	0.00814122	0.0100224	0.607971	0.0688929	1.10E-18	-0.0344821	0.0139492	0.01343714	0.01893745	17	0.34384072
ENSG00000103310	16	ZP2	21208773	rs2075521	16	21222941	A	C	0.480119	-0.0209641	0.00814122	0.0100224	0.480156	0.0567184	2.55E-17	-0.043661	0.0177224	0.01375474	0.5400074	7	0.3449634
ENSG00000260306	16	RP11-645C24.5	21805416	rs4783352	16	21822469	G	A	0.199801	-0.0374486	0.00908361	3.75E-05	-1.03621	0.0794221	6.62E-39	0.03614	0.00919342	8.46E-05	0.03365263	20	0.07879415
ENSG00000248124	16	RRN3P1	21807951	rs4783352	16	21822469	G	A	0.199801	-0.0374486	0.00908361	3.75E-05	-0.967978	0.079253	2.62E-34	0.0386874	0.00990428	9.38E-05	0.00889809	20	0.07879415
ENSG00000237296	16	SMG1P1	22448329	rs7764	16	22345191	A	G	0.712724	0.0335457	0.00992781	0.0007276	0.614479	0.0921605	2.60E-11	0.0545921	0.0181127	0.00257815	0.5462392	10	0.21305638
ENSG00000260973	16	RP11-105C19.2	22621852	rs149171793	16	21732315	A	C	0.0576541	-0.03735	0.0233089	0.109068	1.8098	0.285193	2.21E-10	-0.0206376	0.0132835	0.1202733	0.11903	3	0.6263406
ENSG00000166828	16	SCNN1G	23194036	rs4620962	16	23198496	T	C	0.240557	-0.011311	0.0094298	0.230333	-0.951354	0.0894872	2.13E-26	0.0118894	0.00997487	0.2332877	0.1997218	20	0.7275513
ENSG00000103356	16	EARS2	23533335	rs457964	16	23587924	A	G	0.151093	-0.0098547	0.00980301	0.314767	-0.534107	0.0834935	1.58E-10	0.0184507	0.0185793	0.3206698	0.08884687	8	0.79066347
ENSG00000166851	16	PLK1	23688977	rs26766	16	23699418	G	C	0.0974155	-0.0151934	0.0133392	0.254702	-0.555994	0.0824361	1.54E-11	0.0273266	0.0243313	0.2613945	0.8471734	10	0.74586579
ENSG00000262155	16	RP11-266L9.5	25078258	rs11639763	16	25040612	T	C	0.659046	-0.0047369	0.00836932	0.571406	0.438934	0.0577628	2.99E-14	-0.0107918	0.0191202	0.5724688	0.6045415	7	0.8901994
ENSG00000271105	16	SCML2P2	25080891	rs28591601	16	25042983	G	A	0.341948	0.00461651	0.00837968	0.581691	-0.374859	0.0684757	4.39E-08	-0.0123153	0.0224671	0.58359	0.2454818	3	0.89290364
ENSG00000263326	16	RP11-266L9.6	25082811	rs28591601	16	25042983	G	A	0.341948	0.00461651	0.00837968	0.581691	-0.367475	0.0662522	2.91E-08	-0.0125628	0.0229156	0.5835411	0.2579174	3	0.89290364
ENSG00000262700	16	RP11-266L9.3	25104708	rs7498466	16	25091410	A	G	0.592445	0.00340005	0.00825807	0.680542	0.623715	0.0861048	4.37E-13	0.00545129	0.0132615	0.6810278	0.7910119	13	0.9275455
ENSG00000103522	16	IL21R	27413483	rs232073	16	27513859	G	A	0.161034	0.0326037	0.0118934	0.00611913	-1.15982	0.105804	5.82E-28	-0.028111	0.0105703	0.00782728	0.0922804	18	0.28592256
ENSG00000259954	16	IL21R-AS1	27458990	rs232073	16	27513859	G	A	0.161034	0.0326037	0.0118934	0.00611913	-1.4238	0.0933825	1.72E-52	-0.0228991	0.00848722	0.00697439	0.07882769	20	0.2675694
ENSG00000233232	16	NPIPB7	28467693	rs151174	16	28508069	T	C	0.346918	-0.0078853	0.00806053	0.327944	-0.613482	0.0787638	6.76E-15	0.0128534	0.0132422	0.3317289	0.73602	20	0.79969754
ENSG00000176046	16	NUPR1	28548606	rs4149398	16	28608938	G	C	0.317097	-0.0099964	0.00811997	0.218291	0.418956	0.0666596	3.28E-10	-0.0238602	0.0197497	0.2269978	0.8757506	10	0.72746085
ENSG00000196502	16	SULT1A1	28616903	rs4149398	16	28608938	G	C	0.317097	-0.0099964	0.00811997	0.218291	-0.558855	0.0843915	3.54E-11	0.0178873	0.0147786	0.2261447	0.9106959	18	0.7270379
ENSG00000255524	16	NPIPB8	28648975	rs113131686	16	29408728	T	C	0.534791	0.0109069	0.00813047	0.179762	0.578347	0.0953985	1.34E-09	0.0188587	0.0143982	0.1902631	0.4830445	11	0.68934009
ENSG00000196993	16	NPIPB9	28763108	rs437564	16	28818037	T	C	0.318091	-0.0107103	0.00821023	0.19206	-0.575094	0.0937071	8.40E-10	0.0186236	0.0145953	0.2019557	0.9538142	17	0.70162556
ENSG00000178188	16	SH2B1	28857921	rs8062405	16	28837906	G	A	0.328032	-0.0089316	0.00817827	0.274785	-0.207603	0.0370232	2.05E-08	0.0430224	0.040134	0.2837345	0.9460378	9	0.76825111
ENSG00000261766	16	RP11-22P6.2	28873487	rs9708958	16	28922743	G	A	0.7167	0.00558458	0.00842452	0.507397	0.463291	0.0807542	9.63E-09	0.0120542	0.0183051	0.5102075	0.4083965	19	0.86943843
ENSG00000103472	16	RRN3P2	29086163	rs35181256	16	29093132	C	T	0.533797	-0.0115649	0.00813728	0.15525	-0.568938	0.0850209	2.21E-11	0.0203272	0.0146216	0.1644634	0.8754177	20	0.66127026
ENSG00000169203	16	RP11-231C14.4	29495010	rs7195216	16	30336030	T	A	0.431412	-0.0110235	0.00826208	0.182131	0.456266	0.0786742	6.65E-09	-0.0241602	0.0185811	0.1935114	0.9725993	3	0.6955129
ENSG00000103485	16	QPRT	29674600	rs9940440	16	29684788	A	G	0.392644	0.0142491	0.00816849	0.0810905	-0.315368	0.0513995	8.48E-10	-0.0451825	0.0269279	0.09336599	0.8139492	5	0.58914688
ENSG00000167371	16	PRRT2	29823177	rs4788188	16	29860863	A	G	0.131213	-0.0210423	0.0123309	0.0879205	-0.444901	0.0709174	3.53E-10	0.0472966	0.0287231	0.09963242	0.895557	3	0.5994087
ENSG00000103502	16	CDIPT	29869678	rs1057452	16	29833714	A	G	0.133201	-0.0225183	0.0121877	0.0646562	-0.556756	0.074579	8.31E-14	0.0404455	0.022551	0.07289111	0.257743	3	0.53098856
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.706694	0.0935662	4.26E-14	0.0147306	0.0127131	0.2465829	0.3102678	8	0.74075291
ENSG00000169592	16	INO80E	30006615	rs8054556	16	29958216	A	G	0.452286	-0.0250885	0.00813757	0.00204894	-0.447563	0.0511366	2.09E-18	0.0560558	0.019277	0.00363856	0.5398513	17	0.23356165
ENSG00000149922	16	TBX6	30097114	rs9783783	16	30078492	C	G	0.499006	-0.0217641	0.00812486	0.00739061	0.405274	0.067813	2.28E-09	-0.0537022	0.0219695	0.01450948	0.7674854	5	0.34725322
ENSG00000090238	16	YPEL3	30103635	rs73530179	16	30107781	G	A	0.478131	-0.0227876	0.00819672	0.00543438	0.458565	0.0404827	9.60E-30	-0.0496933	0.0184052	0.00693479	0.4825807	19	0.2675694
ENSG00000102886	16	GDPD3	30116131	rs8061772	16	30119525	A	C	0.857853	-0.0106478	0.0113307	0.347357	0.56855	0.0732918	8.67E-15	-0.018728	0.0200748	0.3508665	0.02613924	20	0.81376292
ENSG00000261367	16	RP11-455F5.4	30118996	rs8061772	16	30119525	A	C	0.857853	-0.0106478	0.0113307	0.347357	-1.02556	0.133103	1.31E-14	0.0103824	0.0111302	0.350914	0.07833882	4	0.81376292
ENSG00000261346	16	RP11-297C4.2	30488501	rs11574944	16	30509990	T	C	0.175944	0.0235314	0.0125631	0.0610604	0.81078	0.119979	1.40E-11	0.0290232	0.0160793	0.07107406	0.4477339	6	0.52706524
ENSG00000260487	16	RP11-297C4.3	30491909	rs11574944	16	30509990	T	C	0.175944	0.0235314	0.0125631	0.0610604	1.11134	0.101593	7.49E-28	0.0211739	0.011469	0.06486479	0.03949879	12	0.50845953
ENSG00000261332	16	RP11-297C4.1	30510087	rs11574944	16	30509990	T	C	0.175944	0.0235314	0.0125631	0.0610604	0.838434	0.109572	1.98E-14	0.0280659	0.0154264	0.06885913	0.00262205	11	0.52066071
ENSG00000103549	16	RNF40	30773066	rs34480360	16	30798689	A	G	0.297217	-0.0093766	0.00866004	0.278925	0.271509	0.0466039	5.68E-09	-0.034535	0.0324421	0.287098	0.6739013	5	0.77196158
ENSG00000103496	16	STX4	31044210	rs12447930	16	31023273	A	G	0.368787	-0.0035884	0.00823942	0.663185	0.267152	0.0462202	7.47E-09	-0.0134321	0.0309291	0.6640797	0.745837	6	0.92466627
ENSG00000260911	16	RP11-196G11.2	31054471	rs12447930	16	31023273	A	G	0.368787	-0.0035884	0.00823942	0.663185	0.612556	0.0574229	1.45E-26	-0.0058581	0.0134621	0.6634492	0.5228738	20	0.92466627
ENSG00000103510	16	KAT8	31127075	rs9972727	16	31149142	G	A	0.621272	-0.0069585	0.00831444	0.402638	0.52211	0.0541895	5.69E-22	-0.0133277	0.0159847	0.4044062	0.5393377	20	0.83172614
ENSG00000178226	16	PRSS36	31150246	rs78924645	16	31154358	A	G	0.289264	-0.0101636	0.00861088	0.237871	0.952656	0.0871995	8.75E-28	-0.0106687	0.00909141	0.2405986	0.6349953	15	0.73506518
ENSG00000260304	16	RP11-388M20.6	31193832	rs3764323	16	31216779	T	C	0.686879	-0.0051657	0.00828666	0.533038	0.597531	0.0713625	5.61E-17	-0.0086451	0.0139065	0.5341688	0.3337552	9	0.87557054
ENSG00000177238	16	TRIM72	31225342	rs8056505	16	31214898	T	C	0.684891	-0.0051653	0.00828669	0.533067	0.380147	0.0584617	7.90E-11	-0.0135877	0.0218986	0.5349383	0.2019856	5	0.87557054
ENSG00000176723	16	ZNF843	31445569	rs8045738	16	31449998	G	T	0.719682	-0.0005694	0.00849174	0.946543	0.830929	0.0895278	1.68E-20	-0.0006852	0.0102198	0.9465442	0.0175198	20	0.99338916
ENSG00000140682	16	TGFB1I1	31482906	rs11150624	16	31476458	T	C	0.446322	-0.023705	0.00824659	0.00404641	0.757871	0.073328	4.88E-25	-0.0312784	0.0112943	0.00561588	0.1302848	20	0.26570111
ENSG00000102910	16	LONP2	48278207	rs113311037	16	48448789	C	T	0.342942	0.00319457	0.00879997	0.71659	-0.554954	0.0628651	1.07E-18	-0.0057565	0.0158705	0.7168185	0.7771983	7	0.93968224
ENSG00000259957	16	RP11-491F9.8	49328797	rs1510992	16	49307195	A	G	0.61829	-0.0140891	0.00822087	0.0865625	0.397051	0.0554415	7.97E-13	-0.0354844	0.0212894	0.09556217	0.9428584	11	0.59180454
ENSG00000260769	16	RP11-491F9.5	49371078	rs36507	16	49368188	G	A	0.590457	-0.0025461	0.00807418	0.752501	0.411401	0.0579878	1.30E-12	-0.006189	0.0196454	0.752737	0.2892084	5	0.95258055
ENSG00000155393	16	HEATR3	50099852	rs2287197	16	50106594	C	T	0.709742	0.00101991	0.00953666	0.914832	1.15094	0.0672002	9.33E-66	0.00088615	0.00828614	0.9148333	0.02331433	20	0.98780912
ENSG00000140807	16	NKD1	50582241	rs8054797	16	50419204	A	C	0.152087	0.00970617	0.00940127	0.30187	0.66121	0.0870655	3.09E-14	0.0146794	0.0143491	0.3062976	0.4152627	5	0.77894167
ENSG00000260249	16	RP11-401P9.5	50700122	rs8054797	16	50419204	A	C	0.152087	0.00970617	0.00940127	0.30187	0.779204	0.0988356	3.17E-15	0.0124565	0.0121682	0.3059811	0.6013705	6	0.77894167
ENSG00000167207	16	NOD2	50727514	rs72796353	16	50746294	C	A	0.0198807	-0.014783	0.0199128	0.457852	1.63642	0.284759	9.10E-09	-0.0090337	0.0122696	0.4615673	0.3224826	3	0.85658817
ENSG00000103479	16	RBL2	53467889	rs1072911	16	53499725	C	T	0.466203	0.00121661	0.0084037	0.884892	-0.917981	0.0519024	5.31E-70	-0.0013253	0.00915485	0.8848957	0.6920279	20	0.98362938
ENSG00000103494	16	RPGRIP1L	53631595	rs11075984	16	53737000	G	A	0.323062	0.00461277	0.00985339	0.639683	0.381824	0.0648813	3.98E-09	0.0120809	0.0258876	0.6407387	0.8860725	9	0.91890862
ENSG00000125124	16	BBS2	56500748	rs11647104	16	56547254	T	C	0.584493	-0.0135948	0.00806461	0.0918481	-0.396935	0.0491548	6.74E-16	0.0342494	0.0207552	0.09890956	0.2390024	18	0.5994087
ENSG00000169715	16	MT1E	56659387	rs1610215	16	56659525	G	C	0.548708	-0.0160147	0.00812368	0.0486833	0.383608	0.0476628	8.39E-16	-0.0417476	0.021803	0.05552327	0.6219447	10	0.49855845
ENSG00000088682	16	COQ9	57481337	rs223877	16	57509164	G	A	0.747515	-0.0213459	0.00874305	0.0146278	-0.719888	0.0723563	2.54E-23	0.0296517	0.0125053	0.01773417	0.5610931	20	0.35616714
ENSG00000102978	16	POLR2C	57496299	rs223877	16	57509164	G	A	0.747515	-0.0213459	0.00874305	0.0146278	-0.73847	0.0669702	2.84E-28	0.0289056	0.0121261	0.01713768	0.3076384	20	0.35094177
ENSG00000103021	16	CCDC113	58265061	rs11867107	16	58335464	A	G	0.126243	-0.0178403	0.00996218	0.0733263	-0.408757	0.0690327	3.20E-09	0.0436452	0.0254621	0.0865061	0.0207629	9	0.57087976
ENSG00000103037	16	SETD6	58549383	rs42945	16	58545426	G	A	0.557654	0.00972145	0.00816246	0.233655	-0.578009	0.0559478	5.09E-25	-0.0168189	0.0142152	0.2367461	0.2625137	20	0.73041159
ENSG00000172828	16	CES3	66995140	rs56387824	16	67009003	T	C	0.054672	-0.0140759	0.020458	0.491428	1.26024	0.148161	1.80E-17	-0.0111692	0.0162864	0.4928399	0.4709281	20	0.86324042
ENSG00000196123	16	KIAA0895L	67209505	rs57036977	16	67243445	C	T	0.0705765	0.0129059	0.0130917	0.324225	0.670322	0.0670009	1.45E-23	0.0192533	0.019625	0.3265648	0.454171	20	0.79731703
ENSG00000102890	16	ELMO3	67233014	rs12923138	16	67233266	C	A	0.461233	-0.0144027	0.00809172	0.0750862	-0.988724	0.067518	1.47E-48	0.014567	0.00824424	0.07724058	0.02518277	20	0.5476368
ENSG00000124074	16	ENKD1	67696848	rs7187476	16	67699948	C	T	0.16501	0.0144872	0.0106171	0.172403	0.409182	0.061021	2.01E-11	0.0354053	0.0264789	0.1811858	0.4504748	13	0.67831927
ENSG00000141084	16	RANBP10	67757005	rs7200950	16	67689752	T	C	0.0467197	-0.0238597	0.0243031	0.32622	-0.823624	0.088445	1.25E-20	0.0289692	0.029671	0.3288938	0.5603828	20	0.79786027
ENSG00000072736	16	NFATC3	68118654	rs2307022	16	68381978	G	A	0.642147	0.00892033	0.00862253	0.300885	0.291697	0.0530028	3.72E-08	0.0305808	0.0300776	0.3092821	0.1493862	15	0.78078678
ENSG00000132600	16	PRMT7	68344877	rs118081518	16	68385425	A	G	0.0705765	0.00989544	0.0157769	0.53052	-0.801506	0.0949451	3.13E-17	-0.0123461	0.0197383	0.5316517	0.6547365	20	0.87557054
ENSG00000103056	16	SMPD3	68392231	rs2017081	16	68367894	C	G	0.559642	-0.0023762	0.00819504	0.771847	0.399214	0.0551893	4.71E-13	-0.0059523	0.0205444	0.7720252	0.01886073	20	0.95668118
ENSG00000141076	16	CIRH1A	69165194	rs79141311	16	69417047	T	C	0.0308151	0.0475852	0.0245356	0.0524493	-1.48035	0.147942	1.43E-23	-0.0321446	0.0168826	0.05691004	0.3256323	17	0.49855845
ENSG00000168807	16	SNTB2	69221032	rs9302599	16	69216800	T	C	0.230616	0.0085458	0.00944472	0.365559	-0.356141	0.063567	2.11E-08	-0.0239956	0.0268632	0.3717239	0.05497899	6	0.81938405
ENSG00000141101	16	NOB1	69775770	rs3811348	16	69782855	T	C	0.573559	0.0116225	0.00821582	0.157173	0.570595	0.0694068	2.02E-16	0.0203691	0.0146103	0.1632697	0.1384483	11	0.66107836
ENSG00000157322	16	CLEC18A	69984810	rs62051328	16	70034734	A	G	0.405567	-0.0039156	0.00808838	0.628317	-0.881495	0.0908536	2.95E-22	0.00444197	0.00918717	0.6287431	0.04526972	20	0.91471687
ENSG00000226232	16	RP11-419C5.2	70010291	rs1971722	16	70112729	A	G	0.792247	-0.0081865	0.0106787	0.443307	-0.953326	0.0721987	8.30E-40	0.0085873	0.0112204	0.4440746	0.09860581	20	0.85417294
ENSG00000255185	16	PDXDC2P	70044654	rs3192882	16	69975631	T	A	0.397614	-0.0065461	0.0080862	0.418208	-0.72967	0.0546176	1.04E-40	0.00897126	0.0111023	0.4190603	0.04390946	20	0.83995347
ENSG00000261556	16	RP11-296I10.6	70253477	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.64187	0.055426	5.16E-31	0.0376511	0.0132395	0.0044574	0.01243234	20	0.24661235
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.934613	0.0577399	6.27E-59	0.0258579	0.00895778	0.00389381	0.01184652	20	0.23932723
ENSG00000090861	16	AARS	70286198	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	0.385646	0.0524213	1.89E-13	-0.0626665	0.022997	0.00643038	0.02821463	20	0.26570111
ENSG00000189091	16	SF3B3	70557691	rs8049641	16	70559548	C	A	0.420477	0.00635182	0.00845654	0.452584	-0.381359	0.0461806	1.48E-16	-0.0166557	0.0222663	0.4544448	0.01126171	20	0.85417294
ENSG00000140832	16	MARVELD3	71660064	rs62053078	16	71643672	T	G	0.33996	-0.003024	0.00823859	0.713577	0.597145	0.0856515	3.13E-12	-0.0050642	0.0138157	0.7139554	0.3777947	16	0.93968224
ENSG00000040199	16	PHLPP2	71671738	rs8062188	16	71729825	C	T	0.841948	0.00741149	0.011488	0.518829	-0.348026	0.0574843	1.41E-09	-0.0212958	0.0331959	0.5211858	0.4891278	7	0.87239215
ENSG00000102967	16	DHODH	72042487	rs3213422	16	72042682	C	A	0.49006	-0.0052152	0.00807601	0.518435	-0.393813	0.0580871	1.20E-11	0.0132427	0.0206	0.5203215	0.00357723	9	0.87239215
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	1.23897	0.0906571	1.61E-42	0.00711639	0.00826166	0.3890312	0.03888831	20	0.82295689
ENSG00000261170	16	RP11-252A24.5	74456018	rs78227885	16	74674008	A	G	0.110338	-0.0149204	0.0141373	0.291243	-0.796371	0.125817	2.46E-10	0.0187355	0.0179972	0.297866	0.184703	10	0.77863838
ENSG00000168411	16	RFWD3	74655292	rs9806812	16	74589192	A	G	0.284294	-0.0004251	0.00885491	0.961708	-0.546204	0.0721214	3.64E-14	0.00077833	0.0162121	0.9617088	0.7040323	20	0.99596391
ENSG00000103091	16	WDR59	74907468	rs35273060	16	75000701	G	T	0.423459	-0.0002479	0.00806114	0.975469	-0.432395	0.0500516	5.67E-18	0.00057327	0.0186431	0.9754694	0.2535989	20	0.99743145
ENSG00000166816	16	LDHD	75145758	rs730168	16	75150275	T	C	0.201789	0.00051426	0.0103324	0.960304	-0.280432	0.0514268	4.95E-08	-0.0018338	0.0368461	0.9603058	0.333232	6	0.99596391
ENSG00000184517	16	ZFP1	75182390	rs12445784	16	75196208	G	A	0.0198807	0.0577172	0.0298824	0.0534244	-1.0709	0.123763	5.02E-18	-0.053896	0.0285907	0.05941834	0.5441176	9	0.50425564
ENSG00000153774	16	CFDP1	75327596	rs3743609	16	75467021	C	G	0.554672	-0.0091819	0.00808308	0.255979	-0.271031	0.0391108	4.21E-12	0.0338778	0.0302215	0.2622942	0.05746817	16	0.74595058
ENSG00000261783	16	RP11-252K23.2	75413716	rs11149831	16	75451461	A	G	0.664016	-0.0178125	0.00836273	0.0331726	-0.615977	0.102898	2.15E-09	0.0289175	0.0144102	0.04477718	0.5040469	15	0.46349438
ENSG00000135702	16	CHST5	75562433	rs2641809	16	75581069	A	G	0.277336	0.00057241	0.00869026	0.947483	0.521374	0.0863414	1.56E-09	0.00109788	0.016669	0.9474864	0.2599148	9	0.99338916
ENSG00000205084	16	TMEM231	75572015	rs8060972	16	75607029	T	A	0.117296	-0.0155029	0.0119728	0.195374	-0.496713	0.0877419	1.50E-08	0.031211	0.0247265	0.2068602	0.01491112	11	0.70737089
ENSG00000065457	16	ADAT1	75630879	rs59297469	16	75680507	G	T	0.32505	0.00471505	0.00847495	0.577971	0.674065	0.0615142	6.09E-28	0.00699495	0.0125891	0.5784599	0.1053625	20	0.89169006
ENSG00000103111	16	MON1B	77224732	rs74490707	16	77249085	A	G	0.191849	-0.008002	0.0125826	0.524804	-0.628242	0.0986347	1.90E-10	0.0127371	0.0201279	0.5268565	0.3997643	16	0.87557054
ENSG00000205078	16	SYCE1L	77233294	rs8398	16	77233338	T	C	0.260437	-0.0136137	0.00898869	0.129889	0.563062	0.0733848	1.68E-14	-0.024178	0.016272	0.1373146	0.3538293	17	0.63721248
ENSG00000260922	16	RP11-538I12.3	77268774	rs12929297	16	77326177	T	C	0.515905	0.0097697	0.00806804	0.225928	0.922686	0.0910598	3.95E-24	0.0105883	0.0088063	0.2292247	0.4224792	20	0.7275513
ENSG00000140873	16	ADAMTS18	77281710	rs78648070	16	77370604	C	A	0.126243	0.0227344	0.0160575	0.156831	0.92818	0.115148	7.58E-16	0.0244935	0.0175648	0.1631771	0.590183	20	0.66107836
ENSG00000261707	16	RP11-264M12.2	77775365	rs1133108	16	77775917	G	A	0.510934	-0.0008633	0.00806103	0.914713	-0.505134	0.0900554	2.03E-08	0.00170905	0.0159611	0.9147287	0.2430015	3	0.98780912
ENSG00000186153	16	WWOX	78133310	rs67486703	16	78153071	A	G	0.15507	0.0107732	0.0116377	0.354594	-0.726683	0.10704	1.13E-11	-0.0148252	0.016163	0.3590233	0.00567723	17	0.81746804
ENSG00000261390	16	RP11-345M22.2	79750622	rs17767491	16	79745487	G	A	0.340954	0.01436	0.00871626	0.0994558	-0.607481	0.086322	1.96E-12	-0.0236386	0.0147361	0.1086867	0.9749094	13	0.60962213
ENSG00000260213	16	RP11-303E16.3	81050397	rs12927239	16	81087488	A	G	0.100398	0.00624929	0.0111353	0.574651	-0.831249	0.151364	3.98E-08	-0.007518	0.0134656	0.576635	0.8752119	18	0.89169006
ENSG00000135698	16	MPHOSPH6	82181403	rs2911407	16	82221628	G	A	0.73161	-0.0072169	0.0095168	0.448254	-0.571043	0.0692326	1.61E-16	0.012638	0.0167359	0.4501628	0.5536299	20	0.85417294
ENSG00000140943	16	MBTPS1	84087368	rs8049519	16	84107700	T	A	0.2833	0.0202704	0.00890568	0.0228392	-0.503131	0.0692106	3.61E-13	-0.0402885	0.0185479	0.02984522	0.1128539	20	0.41039362
ENSG00000103160	16	HSDL1	84155886	rs3817152	16	84157608	T	C	0.300199	0.00872164	0.00893379	0.328939	0.375265	0.0633085	3.07E-09	0.0232413	0.0241273	0.335409	0.6883911	10	0.80284747
ENSG00000154099	16	DNAAF1	84178865	rs3785033	16	84219312	C	G	0.592445	0.00951075	0.00816165	0.243898	0.375008	0.0615683	1.12E-09	0.0253615	0.0221587	0.2524	0.6057629	8	0.74586579
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.787645	0.0516817	1.91E-52	-0.0035177	0.0102597	0.7316976	0.129755	20	0.94342728
ENSG00000140955	16	ADAD2	84224744	rs3785033	16	84219312	C	G	0.592445	0.00951075	0.00816165	0.243898	0.539243	0.0966604	2.42E-08	0.0176372	0.0154621	0.2540038	0.2261167	6	0.74586579
ENSG00000261286	16	RP11-517C16.2	84492865	rs396491	16	84524227	C	G	0.424453	-0.01965	0.00806063	0.0147781	0.710307	0.0869613	3.13E-16	-0.0276641	0.0118427	0.01949343	0.5168731	20	0.35949739
ENSG00000135686	16	KLHL36	84682131	rs11149672	16	84693099	C	G	0.350895	0.00266632	0.00922735	0.772613	-0.301155	0.0462222	7.25E-11	-0.0088537	0.03067	0.7728304	0.6919515	3	0.95712351
ENSG00000135709	16	KIAA0513	85061375	rs2291963	16	85120510	G	A	0.382704	0.00256	0.00858999	0.765687	0.295174	0.0454205	8.10E-11	0.00867285	0.029132	0.7659257	0.8418733	20	0.95514229
ENSG00000153789	16	FAM92B	85131965	rs7191626	16	85188526	G	A	0.691849	-0.0048345	0.00850365	0.569683	-0.517303	0.0649232	1.61E-15	0.00934557	0.0164802	0.5706614	0.3906399	19	0.88869451
ENSG00000154102	16	C16orf74	85723690	rs921435	16	85821934	T	A	0.831014	0.011107	0.0117669	0.345214	-0.640014	0.110985	8.08E-09	-0.0173543	0.01863	0.3515834	0.8505002	10	0.81376292
ENSG00000270020	16	RP11-463O9.9	86553989	rs9939936	16	86561481	G	T	0.605368	0.00502437	0.00847504	0.553286	-0.842802	0.0801499	7.34E-26	-0.0059615	0.0100718	0.5539154	0.08897473	20	0.88133611
ENSG00000103264	16	FBXO31	87360593	rs889602	16	87404017	G	C	0.424453	0.00399594	0.00808419	0.621101	-0.408699	0.0432862	3.67E-21	-0.0097772	0.0198074	0.6215783	0.5356946	20	0.91051849
ENSG00000140941	16	MAP1LC3B	87417601	rs11117269	16	87425080	T	C	0.520875	-0.0033655	0.00810191	0.677855	0.245828	0.0365649	1.78E-11	-0.0136903	0.0330205	0.6784345	0.3508954	20	0.92707734
ENSG00000269935	16	RP11-482M8.3	87634132	rs145223680	16	87638576	A	G	0.0457256	-0.0112891	0.0169704	0.505907	-0.643372	0.117519	4.38E-08	0.0175468	0.0265713	0.5090191	0.3087152	8	0.86831771
ENSG00000104731	16	KLHDC4	87730091	rs9934565	16	87764267	T	A	0.461233	0.00961517	0.00825818	0.244294	0.752092	0.0584358	6.61E-38	0.0127846	0.0110251	0.2462176	0.05634602	20	0.74075291
ENSG00000260671	16	RP11-278A23.2	87773369	rs9933061	16	87749634	A	C	0.475149	0.0100663	0.00828141	0.224165	0.636565	0.0959307	3.23E-11	0.0158135	0.013226	0.2318389	0.5100656	9	0.7275513
ENSG00000261744	16	RP11-21B21.4	88579368	rs55893441	16	88596848	T	A	0.0984095	-0.0053989	0.0118372	0.648322	-1.04069	0.148573	2.48E-12	0.0051878	0.0113985	0.6490147	0.09842549	9	0.92239093
ENSG00000260630	16	SNAI3-AS1	88729706	rs11076697	16	88740084	T	C	0.297217	0.00174286	0.00853213	0.838143	-0.38426	0.0620858	6.05E-10	-0.0045356	0.0222161	0.8382292	0.02265291	11	0.97384499
ENSG00000158717	16	RNF166	88762903	rs7350860	16	88769409	T	C	0.254473	0.0123325	0.00838295	0.141254	-0.449065	0.0640135	2.30E-12	-0.0274626	0.0190736	0.1499179	0.7457818	4	0.64835856
ENSG00000174177	16	CTU2	88772871	rs57817451	16	88774552	T	C	0.11332	-0.0322332	0.0176284	0.0674777	0.7656	0.0943336	4.82E-16	-0.0421019	0.0236027	0.07446092	0.5991071	17	0.53776146
ENSG00000182376	16	RP5-1142A6.8	88809175	rs4782405	16	88811033	C	T	0.601392	-0.0128746	0.00817444	0.115261	0.583171	0.0775933	5.66E-14	-0.0220769	0.0143217	0.1231954	0.7219985	11	0.6305293
ENSG00000167515	16	TRAPPC2L	88922628	rs3826061	16	88927221	C	T	0.34493	-0.0062904	0.00863356	0.466249	0.5188	0.0506561	1.29E-24	-0.0121248	0.0166835	0.467374	0.8325015	20	0.85740342
ENSG00000259881	16	RP11-830F9.5	88947446	rs11076730	16	88950685	T	C	0.236581	-0.0085971	0.0098248	0.381551	-0.445716	0.0647951	6.03E-12	0.0192883	0.0222204	0.3853693	0.3896605	20	0.8221103
ENSG00000256982	16	CTD-2555A7.2	89112580	rs73262105	16	89113779	T	A	0.0576541	0.00750173	0.0157875	0.634667	0.762171	0.0908282	4.81E-17	0.00984258	0.020747	0.6352083	0.554845	8	0.91732007
ENSG00000176715	16	ACSF3	89154783	rs883941	16	89226511	C	T	0.251491	-0.0170551	0.0086352	0.0482603	-0.473294	0.0657015	5.86E-13	0.0360349	0.0189182	0.05680971	0.3662387	20	0.49855845
ENSG00000180422	16	LINC00304	89225554	rs11640375	16	89227817	G	A	0.251491	-0.018631	0.00863174	0.0308944	-0.914427	0.0835723	7.28E-28	0.0203745	0.00962142	0.03420724	0.1705789	20	0.42178047
ENSG00000205015	16	RP11-46C24.3	89232791	rs4581700	16	89230589	C	G	0.184891	-0.0257967	0.0101594	0.0111112	-0.923151	0.0901229	1.27E-24	0.0279442	0.0113382	0.01371662	0.05224313	20	0.3449634
ENSG00000129910	16	CDH15	89238175	rs12929648	16	89254064	G	A	0.186879	-0.0083153	0.0112279	0.458942	-0.35385	0.0549264	1.18E-10	0.0234994	0.0319397	0.4618858	0.02938627	20	0.85658817
ENSG00000259803	16	SLC22A31	89262406	rs7188277	16	89263454	C	T	0.175944	-0.0077014	0.00935456	0.410348	-0.329658	0.059037	2.35E-08	0.0233619	0.0286833	0.4153723	0.3382819	4	0.83806414
ENSG00000259877	16	RP11-46C24.7	89281638	rs3803722	16	89284286	G	A	0.0626243	-0.013969	0.0182129	0.443091	-1.09283	0.124803	2.02E-18	0.0127824	0.0167296	0.4448324	0.08115029	20	0.85417294
ENSG00000170100	16	ZNF778	89284118	rs76808594	16	89268376	G	T	0.184891	-0.010283	0.0114189	0.367843	0.692851	0.064228	3.95E-27	-0.0148416	0.0165384	0.3695039	0.04390882	20	0.81816933
ENSG00000131165	16	CHMP1A	89710839	rs117186138	16	89822580	C	G	0.0149105	0.00817463	0.049537	0.868928	1.37257	0.240711	1.18E-08	0.00595571	0.0361058	0.8689821	0.7493732	11	0.97828063
ENSG00000167523	16	SPATA33	89724210	rs164749	16	89708224	G	T	0.485089	0.0185688	0.00815472	0.0227819	-0.327464	0.0564875	6.75E-09	-0.0567049	0.0267548	0.03405457	0.7690295	18	0.42178047
ENSG00000185324	16	CDK10	89747145	rs78498439	16	89967514	A	G	0.0526839	0.00548685	0.0160877	0.733059	-1.22263	0.111868	8.35E-28	-0.0044877	0.0131647	0.7331843	0.8146732	20	0.94405672
ENSG00000158805	16	ZNF276	89786808	rs56112321	16	89785820	C	T	0.235586	-0.0042743	0.00998642	0.668644	-0.46805	0.0537776	3.22E-18	0.00913212	0.021362	0.6690198	0.3027962	20	0.92466627
ENSG00000187741	16	FANCA	89803957	rs12207	16	90002360	A	G	0.0695825	0.022821	0.0238664	0.338971	0.518628	0.0947914	4.47E-08	0.0440026	0.0467158	0.346233	0.5658421	18	0.8110906

ENSG00000204991	16	SPIRE2	89884587	rs6500449	16	89856393	C	T	0.389662	-0.0116379	0.00811289	0.151433	0.441934	0.052594	4.36E-17	-0.026334	0.0186233	0.1573509	0.7409342	20	0.6570401
ENSG00000258839	16	MC1R	89978527	rs62052210	16	89980158	G	A	0.0815109	-0.0147537	0.015188	0.331345	0.505858	0.0802988	2.98E-10	-0.0291657	0.0303791	0.3370259	0.4666702	16	0.80518842
ENSG00000141013	16	GAS8	90086037	rs76265950	16	90085139	C	A	0.084493	0.0142478	0.0167695	0.395533	1.58495	0.139761	8.27E-30	0.00898943	0.0106101	0.3968551	0.3907137	20	0.82860146
ENSG00000221819	16	C16orf3	90095316	rs76265950	16	90085139	C	A	0.084493	0.0142478	0.0167695	0.395533	1.52185	0.159217	1.20E-21	0.00936216	0.0110626	0.3973915	0.3989151	20	0.82860146
ENSG00000272636	17	DOC2B	5810	rs12936617	17	132994	G	C	0.715706	-0.0124701	0.00920257	0.175396	-0.346806	0.0528505	5.31E-11	0.035957	0.0270951	0.1844864	0.4181023	10	0.68382055
ENSG00000262061	17	RP11-1260E13.4	180996	rs12953074	17	181474	C	T	0.884692	-0.0091545	0.0176063	0.603095	0.751385	0.108247	3.88E-12	-0.0121835	0.0234974	0.6041075	0.1374287	3	0.90258029
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	1.29284	0.079559	2.23E-59	0.00914924	0.00723383	0.2059488	0.4742445	14	0.70730227
ENSG00000183688	17	FAM101B	289769	rs7225729	17	452965	T	C	0.28827	-0.0082861	0.00987766	0.401541	-0.527583	0.0830938	2.16E-10	0.0157058	0.0188852	0.4056096	0.6993907	12	0.83286273
ENSG00000141252	17	VPS53	411908	rs4968120	17	431364	G	T	0.424453	-0.0042459	0.00836527	0.611757	-0.696111	0.0663315	9.16E-26	0.0060995	0.0120312	0.6121732	0.7681593	20	0.90577197
ENSG00000167695	17	FAM57A	635652	rs2644715	17	632686	A	G	0.247515	0.00716087	0.0101712	0.481413	0.384147	0.0567335	1.28E-11	0.018641	0.0266201	0.4837657	0.3521371	11	0.86066122
ENSG00000262228	17	RP11-676J12.4	666805	rs112138927	17	637834	A	G	0.282306	0.01174	0.00970785	0.226534	-0.588137	0.0911924	1.12E-10	-0.0199613	0.0167938	0.2345911	0.03436667	10	0.7275513
ENSG00000177370	17	TIMM22	900357	rs3863496	17	903163	T	C	0.756461	-0.0027645	0.00887678	0.755477	-0.381414	0.059475	1.43E-10	0.00724792	0.0233008	0.7557554	0.1755343	4	0.95258055
ENSG00000132376	17	INPP5K	1397865	rs60869999	17	1390948	T	A	0.352883	0.00016459	0.00858354	0.984701	-0.389041	0.0675193	8.32E-09	-0.0004231	0.0220635	0.9847014	0.174501	14	0.99791555
ENSG00000167711	17	SERPINF2	1646130	rs7213134	17	1635883	T	C	0.210736	-0.0003507	0.0102034	0.972585	0.834938	0.0762182	6.32E-28	-0.00042	0.0122206	0.9725849	0.9985155	10	0.99731499
ENSG00000186532	17	SMYD4	1682779	rs34589281	17	1691953	T	C	0.397614	0.00017043	0.00854581	0.984089	0.370486	0.0610809	1.32E-09	0.00046002	0.0230666	0.9840888	0.08395865	7	0.99756656
ENSG00000108963	17	DPH1	1933404	rs869020	17	1945225	G	T	0.331014	3.69E-05	0.0082015	0.996414	0.452504	0.0471746	8.63E-22	8.15E-05	0.0181247	0.9964136	0.00452621	13	0.99906546
ENSG00000263050	17	RP11-667K14.3	1946769	rs869020	17	1945225	G	T	0.331014	3.69E-05	0.0082015	0.996414	0.50562	0.0680246	1.06E-13	7.29E-05	0.0162207	0.9964136	0.00033375	6	0.99906546
ENSG00000167720	17	SRR	2206677	rs3744270	17	2207326	A	G	0.341948	0.0117644	0.00853037	0.167857	-0.894302	0.0680207	1.76E-39	-0.0131548	0.00959091	0.1701898	0.0367334	20	0.66973207
ENSG00000141258	17	SGSM2	2240792	rs3213714	17	2276085	T	G	0.0964215	-0.0127553	0.0192681	0.507976	-0.470999	0.0754991	4.42E-10	0.0270814	0.0411387	0.5103488	0.1232072	4	0.86943843
ENSG00000127804	17	METTL16	2308856	rs4790079	17	2332777	T	C	0.641153	0.0026763	0.00894568	0.764809	0.443707	0.0804705	3.51E-08	0.00603168	0.0201909	0.7651438	0.1036346	4	0.95514229
ENSG00000108381	17	ASPA	3375668	rs4790146	17	3437812	C	G	0.119284	0.0116908	0.0100937	0.246773	-0.503804	0.0762834	3.99E-11	-0.0232051	0.0203407	0.2539461	0.07224331	12	0.74586579
ENSG00000167723	17	TRPV3	3413796	rs72816035	17	3433756	G	A	0.119284	0.0109485	0.0100853	0.277657	-0.958559	0.112545	1.64E-17	-0.0114218	0.0106064	0.2815349	0.1170182	20	0.76659864
ENSG00000261916	17	RP11-235E17.4	3505055	rs62069929	17	3515275	C	T	0.247515	0.0144782	0.00921876	0.116295	0.647867	0.108754	2.57E-09	0.0223475	0.0147156	0.1288564	0.110232	6	0.63721248
ENSG00000197417	17	SHPK	3511556	rs62069928	17	3514598	T	C	0.241551	0.0136324	0.00925157	0.140611	0.946261	0.0786892	2.62E-33	0.0144066	0.0098501	0.1435814	0.4828574	20	0.64189476
ENSG00000040531	17	CTNS	3539762	rs1048649	17	3564378	T	C	0.230616	-0.0082352	0.00912366	0.366728	-0.498567	0.0691361	5.54E-13	0.0165177	0.0184426	0.3704495	0.7417075	9	0.81833301
ENSG00000213977	17	TAX1BP3	3566196	rs8278	17	3568012	G	A	0.888668	0.0139711	0.0121117	0.248698	-0.372329	0.0624246	2.45E-09	-0.0375235	0.0331323	0.2574095	0.4577129	4	0.74586579
ENSG00000083454	17	P2RX5	3575493	rs3809806	17	3628362	C	T	0.547714	-0.0075523	0.00805105	0.348215	-0.456182	0.0563967	6.03E-16	0.0165555	0.017767	0.351434	0.5257526	15	0.81376292
ENSG00000004660	17	CAMKK1	3763609	rs177985	17	3765599	G	C	0.198807	-0.0103459	0.00997996	0.29989	-0.497838	0.0747917	2.81E-11	0.0207817	0.0202883	0.3056845	0.4147386	5	0.77894167
ENSG00000161905	17	ALOX15	4534197	rs55956806	17	4589209	C	T	0.22664	0.0149925	0.0102215	0.142441	0.883613	0.0970009	8.29E-20	0.0169673	0.0117168	0.1475866	0.7440838	20	0.64632659
ENSG00000161921	17	CXCL16	4636821	rs4471743	17	4633653	G	A	0.219682	0.003432	0.0104824	0.743361	0.385427	0.0639561	1.68E-09	0.00890441	0.027237	0.7437255	0.6037724	3	0.94674754
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-1.14899	0.115407	2.37E-23	0.0121077	0.0117207	0.3015969	0.4546478	15	0.77863838
ENSG00000129219	17	PLD2	4710391	rs11078539	17	4715977	G	A	0.297217	-0.0082455	0.0089866	0.358863	0.392319	0.046397	2.77E-17	-0.0210173	0.0230408	0.3616749	0.7000733	16	0.81794669
ENSG00000141503	17	MINK1	4736683	rs3966782	17	4807098	C	T	0.369781	-0.0066519	0.0081857	0.416437	0.220729	0.0329406	2.07E-11	-0.0301358	0.0373565	0.4198348	0.4405781	20	0.84060846
ENSG00000108556	17	CHRNE	4801069	rs59118134	17	4814537	A	G	0.2167	-0.0089542	0.00902692	0.321223	0.505803	0.083802	1.58E-09	-0.017703	0.0180861	0.3276701	0.5962589	14	0.79781449
ENSG00000205710	17	C17orf107	4802713	rs2302318	17	4799897	T	C	0.0954274	-0.0007778	0.0133261	0.953454	0.825493	0.105966	6.69E-15	-0.0009423	0.0161437	0.9534554	0.3901363	15	0.99428396
ENSG00000108515	17	ENO3	4851387	rs366577	17	4854480	T	C	0.563618	0.00990575	0.00807508	0.219933	-0.762008	0.0942383	6.17E-16	-0.0129995	0.0107184	0.2251953	0.2869718	20	0.7258405
ENSG00000091640	17	SPAG7	4862521	rs16954304	17	4871518	C	T	0.082505	0.00772859	0.0134213	0.564718	0.921448	0.101358	9.81E-20	0.00838744	0.0145946	0.5654987	0.2317285	11	0.88420563
ENSG00000161929	17	SCIMP	5112256	rs2439945	17	5124462	T	C	0.171968	0.0057873	0.0109685	0.597756	0.906901	0.119204	2.78E-14	0.0063814	0.0121235	0.5986348	0.7491569	12	0.89978219
ENSG00000029725	17	RABEP1	5185558	rs1806261	17	5317008	C	A	0.456262	-0.0145887	0.00817454	0.0743173	0.263463	0.0389444	1.33E-11	-0.0553729	0.0320887	0.08441646	0.8062401	20	0.56650041
ENSG00000108559	17	NUP88	5264258	rs9908179	17	5323631	G	A	0.37674	-0.0088476	0.00811918	0.275836	0.48062	0.0642882	7.66E-14	-0.0184088	0.0170717	0.2808884	0.2302558	18	0.76652901
ENSG00000263272	17	CTC-524C5.2	5328459	rs2189337	17	5326178	T	C	0.305169	-0.0129093	0.00832261	0.120874	-0.360619	0.0601461	2.03E-09	0.0357976	0.0238385	0.1331813	0.471173	12	0.63721248
ENSG00000179314	17	WSCD1	5675554	rs7406971	17	6041260	T	C	0.758449	-0.0083843	0.0104488	0.422312	-0.690271	0.0778842	7.80E-19	0.0121464	0.0151992	0.4242052	0.02817549	14	0.8444398
ENSG00000091622	17	PITPNM3	6354584	rs6502958	17	6393454	G	A	0.728628	0.0227058	0.00869772	0.00903982	-0.363154	0.058008	3.84E-10	-0.0625239	0.0259494	0.01597634	0.8972567	20	0.34725322
ENSG00000198920	17	KIAA0753	6481468	rs2871289	17	6551620	C	T	0.658052	0.00066897	0.00876126	0.939137	0.511579	0.0776844	4.54E-11	0.00130765	0.0171271	0.9391408	0.804041	7	0.99333365
ENSG00000256806	17	AC004706.1	6555059	rs9908147	17	6563775	C	T	0.485089	0.00686659	0.00806407	0.39449	-0.847932	0.0624197	4.96E-42	-0.008098	0.00952894	0.3954161	0.725294	20	0.82770689
ENSG00000141485	17	SLC13A5	6588032	rs77310215	17	6656188	C	G	0.0397614	-0.0150159	0.0386622	0.697729	0.860723	0.125022	5.80E-12	-0.0174457	0.0449897	0.6981858	0.4582035	6	0.93660278
ENSG00000132507	17	EIF5A	7210318	rs1054378	17	7215536	C	T	0.568588	0.00904806	0.00871831	0.299353	-0.444171	0.0491321	1.56E-19	-0.0203707	0.0197572	0.3025169	0.02515548	12	0.77894167
ENSG00000170175	17	CHRNB1	7348380	rs12600861	17	7355621	C	A	0.338966	0.0072836	0.00816442	0.372332	0.392932	0.059348	3.57E-11	0.0185365	0.020966	0.3766288	0.9516164	9	0.82033551
ENSG00000129226	17	CD68	7482785	rs6608	17	7464413	T	C	0.162028	-0.0046993	0.0149524	0.753307	-0.482525	0.0863547	2.30E-08	0.00973894	0.0310368	0.753683	0.5875405	3	0.95258055
ENSG00000141504	17	SAT2	7529552	rs858520	17	7530271	T	C	0.388668	0.00513286	0.00835688	0.539078	0.52811	0.0483165	8.26E-28	0.0097193	0.0158491	0.5397175	0.3623809	18	0.87687618
ENSG00000108947	17	EFNB3	7608520	rs62062594	17	7624874	G	A	0.33499	-0.0096948	0.00878203	0.269619	0.468938	0.0765499	9.02E-10	-0.020674	0.0190291	0.2772842	0.1746163	5	0.76430333
ENSG00000183914	17	DNAH2	7620672	rs57727356	17	7644501	A	C	0.251491	-0.0213932	0.00977745	0.0286688	0.652894	0.104744	4.57E-10	-0.0327667	0.0158714	0.03896882	0.8685227	3	0.44087342
ENSG00000170049	17	KCNAB3	7825177	rs9908139	17	7830610	A	G	0.425447	-0.0100672	0.00806309	0.211827	-0.842441	0.0702976	4.31E-33	0.01195	0.00962291	0.2142986	0.006486	20	0.71470811
ENSG00000170037	17	CNTROB	7835419	rs4239118	17	7854830	A	G	0.427435	-0.0102369	0.00806061	0.204088	-0.374586	0.0662149	1.54E-08	0.0273286	0.0220543	0.2152901	0.00473525	8	0.71682787
ENSG00000220205	17	VAMP2	8062467	rs3760516	17	8068921	C	G	0.656064	0.0196234	0.00924695	0.0338259	0.407223	0.0487333	6.48E-17	0.0481883	0.0234282	0.03970024	0.2684686	18	0.44087342
ENSG00000178971	17	CTC1	8130191	rs3027235	17	8135446	A	G	0.0139165	-0.0063028	0.0466452	0.892515	1.28844	0.179701	7.51E-13	-0.0048918	0.0362093	0.8925338	0.8774543	16	0.98597578
ENSG00000184619	17	KRBA2	8271955	rs1695213	17	8279324	C	T	0.715706	-0.0091577	0.00836322	0.273517	0.450395	0.0656213	6.72E-12	-0.0203326	0.0188035	0.2795538	0.7028346	12	0.76652901
ENSG00000109047	17	RCVRN	9799637	rs1047342	17	9815580	C	T	0.558648	-0.0129882	0.00811323	0.109406	-1.00059	0.078518	3.39E-37	0.0129805	0.00817218	0.1121999	0.02385684	20	0.61545125
ENSG00000109063	17	MYH3	10531843	rs56121112	17	10577573	C	A	0.511928	0.0098821	0.00807854	0.221235	0.333382	0.0599585	2.69E-08	0.029642	0.0248116	0.2322108	0.8313497	4	0.7275513
ENSG00000187824	17	TMEM220	10602332	rs418557	17	10632975	T	C	0.474155	0.0115038	0.00812364	0.156749	-0.627125	0.062266	7.37E-24	-0.0183437	0.0130812	0.1608267	0.9970886	18	0.65939472
ENSG00000264176	17	MAGOH2	10619319	rs418557	17	10632975	T	C	0.474155	0.0115038	0.00812364	0.156749	-0.547691	0.0748823	2.59E-13	-0.0210042	0.015108	0.1644465	0.9981387	12	0.66127026
ENSG00000006740	17	ARHGAP44	12692856	rs720049	17	12850547	A	G	0.130219	-0.0027594	0.0121309	0.820061	0.393004	0.0701107	2.08E-08	-0.0070212	0.0308925	0.8202067	0.5540047	3	0.96842597
ENSG00000006744	17	ELAC2	12895708	rs1044564	17	12895984	C	G	0.607356	0.00702664	0.00825115	0.394439	0.598693	0.050031	5.33E-33	0.0117366	0.0138168	0.3956326	0.2964922	20	0.82770689
ENSG00000141028	17	CDRT15P1	13927831	rs11649840	17	13945015	C	A	0.2167	0.00101437	0.00971434	0.916836	-0.868781	0.12433	2.79E-12	-0.0011676	0.0111828	0.9168454	0.7292294	13	0.98780912
ENSG00000223510	17	CDRT15	14138990	rs736261	17	13936404	G	A	0.622266	0.00293121	0.00856405	0.732148	0.668984	0.0865559	1.08E-14	0.00438158	0.0128141	0.7324005	0.7922836	20	0.94377069
ENSG00000125409	17	TEKT3	15207128	rs236810	17	15458308	T	C	0.327038	0.0167358	0.00838541	0.0459526	-0.677651	0.0613701	2.40E-28	-0.0246968	0.0125747	0.04953011	0.09861469	20	0.48387846
ENSG00000239704	17	CDRT4	15339332	rs236810	17	15458308	T	C	0.327038	0.0167358	0.00838541	0.0459526	-0.672724	0.0667688	7.09E-24	-0.0248777	0.0127071	0.05025552	0.1047105	20	0.48438334
ENSG00000175106	17	TVP23C	15341205	rs236810	17	15458308	T	C	0.327038	0.0167358	0.00838541	0.0459526	-0.53575	0.0765372	2.56E-12	-0.0312381	0.0162755	0.05494237	0.1388386	10	0.49855845
ENSG00000223878	17	AC005517.3	15410180	rs236810	17	15458308	T	C	0.327038	0.0167358	0.00838541	0.0459526	-0.461468	0.0794886	6.42E-09	-0.0362664	0.019215	0.05910599	0.07136083	7	0.50245075
ENSG00000187607	17	ZNF286A	15602891	rs4471717	17	15621373	G	A	0.749503	-0.0198581	0.00878057	0.0237225	-0.477091	0.063609	6.36E-14	0.0416233	0.0192229	0.03036463	0.4203927	8	0.41039362
ENSG00000214946	17	TBC1D26	15635561	rs3865264	17	15618623	T	G	0.741551	-0.0206655	0.00875405	0.0182415	0.779531	0.0987854	2.99E-15	-0.0265102	0.0117216	0.02371931	0.4419674	20	0.38200972
ENSG00000214941	17	ZSWIM7	15879874	rs2286795	17	15883809	T	C	0.574553	-0.0012099	0.00822882	0.883109	0.770736	0.0631994	3.29E-34	-0.0015698	0.0106774	0.8831181	0.6442311	20	0.98282556
ENSG00000166582	17	CENPV	16245848	rs3112527	17	16248906	T	C	0.464215	0.00336313	0.00804952	0.676089	0.532922	0.0573251	1.45E-20	0.00631074	0.0151197	0.6763978	0.4259922	20	0.92610213
ENSG00000197566	17	ZNF624	16524051	rs7221518	17	16556473	G	A	0.175944	0.0136976	0.00981094	0.162666	0.509283	0.0896278	1.33E-08	0.0268959	0.0198372	0.1751537	0.4430414	5	0.67151653
ENSG00000264359	17	NEK4P2	16569421	rs28525658	17	16570259	A	G	0.0884692	0.025728	0.0120067	0.0321292	-0.983371	0.117786	6.90E-17	-0.0261631	0.0126055	0.03793733	0.9603306	12	0.44087342
ENSG00000179598	17	PLD6	17104309	rs1708618	17	17131869	C	T	0.567594	-0.008569	0.00842558	0.309142	0.371461	0.0575248	1.07E-10	-0.0230684	0.0229619	0.3150706	0.5797223	12	0.78671933
ENSG00000154803	17	FLCN	17115526	rs1708618	17	17131869	C	T	0.567594	-0.008569	0.00842558	0.309142	0.809645	0.0560837	3.06E-47	-0.0105837	0.0104323	0.31034	0.182874	20	0.78169199
ENSG00000226746	17	SMCR5	17680000	rs941448	17	17654542	G	C	0.645129	-0.0058325	0.00852314	0.493774	0.637912	0.0788597	6.01E-16	-0.0091432	0.0134087	0.4953132	0.03705192	20	0.86367134
ENSG00000108591	17	DRG2	17991200	rs2925141	17	18015113	G	A	0.907555	0.018093	0.0131428	0.168621	1.01572	0.0936096	1.98E-27	0.017813	0.0130431	0.1720333	0.5660188	8	0.67151653
ENSG00000091536	17	MYO15A	18012020	rs861278	17	18059494	T	C	0.390656	0.0131485	0.0081218	0.105466	0.953615	0.0902277	4.15E-26	0.0137881	0.00861619	0.1095431	0.533704	20	0.61018579
ENSG00000091542	17	ALKBH5	18086392	rs11869205	17	18093757	A	G	0.394632	0.0141668	0.00817512	0.0831113	0.366318	0.0557534	5.02E-11	0.0386735	0.0230802	0.09381355	0.8283092	6	0.58914688
ENSG00000131899	17	LLGL1	18128901	rs8080168	17	18255566	G	T	0.260437	-0.0039143	0.00899061	0.663292	-0.314495	0.0509498	6.72E-10	0.0124462	0.0286585	0.6640748	0.4958038	10	0.92466627
ENSG00000177302	17	TOP3A	18174742	rs4924846	17	18222647	G	T	0.661034	0.00320365	0.00895585	0.720556	-0.605861	0.0581193	1.92E-25	-0.0052878	0.0147907	0.7207134	0.8575876	20	0.94000124
ENSG00000176974	17	SHMT1	18231187	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.624308	0.0581013	6.25E-27	-0.0086565	0.0131113	0.5091052	0.9151612	20	0.86831771
ENSG00000186831	17	KRT17P2	18330175	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.945482	0.0686915	4.19E-43	-0.005716	0.00865111	0.5087926	0.9657976	20	0.86831771
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.08814	0.0694673	2.66E-55	-0.0049666	0.00751495	0.5086813	0.9650878	20	0.86831771
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.11256	0.0714186	1.03E-54	-0.0048576	0.00735008	0.5086855	0.9386134	20	0.86831771
ENSG00000213077	17	FAM106A	18427880	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.02632	0.0732509	1.33E-44	-0.0052657	0.00796939	0.5087755	0.9616108	20	0.86831771
ENSG00000154874	17	CCDC144B	18441117	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.982558	0.0647706	5.60E-52	-0.0055003	0.00832297	0.5087063	0.937241	20	0.86831771
ENSG00000249459	17	ZNF286B	18561742	rs4924769	17	18652608	T	C	0.567594	-0.0027412	0.00812186	0.735733	-0.423503	0.072689	5.67E-09	0.0064727	0.01921	0.7361582	0.7283025	9	0.94491286
ENSG00000171931	17	FBXW10	18647326	rs62073745	17	18647539	A	G	0.784294	-0.0162333	0.00950065	0.0875145	-0.932559	0.0868741	7.00E-27	0.0174073	0.010316	0.09152468	0.03601685	20	0.58848968
ENSG00000171928	17	TVP23B	18684308	rs8077275	17	18705412	A	G	0.496024	0.00375096	0.00810572	0.643541	-0.576695	0.0607235	2.16E-21	-0.0065042	0.0140721	0.6439334	0.2073829	20	0.92078672
ENSG00000141127	17	PRPSAP2	18743398	rs4924945	17	18813160	G	A	0.55666	0.00158321	0.00807717	0.844602	0.600841	0.0607761	4.78E-23	0.00263499	0.0134457	0.8446321	0.274944	20	0.97638016
ENSG00000128482	17	RNF112	19314438	rs1509160	17	19303493	T	G	0.132207	0.00376141	0.0106685	0.724409	-0.259132	0.0474708	4.79E-08	-0.0145154	0.0412559	0.7249594	0.5460535	5	0.94070655
ENSG00000227078	17	AC004448.2	19322348	rs139723351	17	19344734	G	C	0.720676	-0.0024755	0.00826317	0.764499	-0.643297	0.066328	3.05E-22	0.0038481	0.0128512	0.7646075	0.6601602	14	0.95514229
ENSG00000235979	17	AC004448.5	19342456	rs4924994	17	19364961	T	A	0.73161	-0.000179	0.00835403	0.982903	-0.572553	0.0629851	9.88E-20	0.00031267	0.0145909	0.9829032	0.6346854	13	0.99756656
ENSG00000189343	17	RPS2P46	19349246	rs4924994	17	19364961	T	A	0.73161	-0.000179	0.00835403	0.982903	-0.696163	0.0621131	3.73E-29	0.00025715	0.0120001	0.9829032	0.6867438	20	0.99756656
ENSG00000072210	17	ALDH3A2	19551449	rs7216938	17	19495926	A	G	0.28827	0.00612517	0.00902739	0.497448	-0.408675	0.0744192	3.98E-08	-0.0149879	0.0222574	0.5006998	0.06134987	8	0.86539972
ENSG00000270091	17	RP11-78O7.2	19799903	rs203450	17	19823070	T	C	0.394632	0.0239333	0.00844689	0.00460585	-0.355727	0.0503532	1.61E-12	-0.06728	0.025584	0.00854438	0.6262736	12	0.29231653
ENSG00000154898	17	CCDC144CP	20224477	rs7222987	17	20055765	G	A	0.602386	0.0199591	0.00807401	0.0134351	0.273144	0.0469571	6.00E-09	0.0730717	0.0321181	0.02290011	0.7216013	12	0.38159045
ENSG00000237911	17	SRP68P3	20319105	rs377645653	17	20336135	G	A	0.424453	0.00973432	0.00834183	0.243239	0.530484	0.0864574	8.47E-10	0.0183499	0.0160068	0.2516378	0.1085271	15	0.74510539
ENSG00000230528	17	NOS2P3	20339650	rs35041742	17	20036253	C	T	0.431412	0.0100152	0.00829249	0.227147	-0.663076	0.0677658	1.31E-22	-0.0151042	0.012601	0.2306652	0.2330811	20	0.7275513
ENSG00000266369	17	RP11-344E13.4	20759259	rs61088735	17	20773030	G	A	0.491054	-0.0096353	0.00807908	0.233016	0.599115	0.0928534	1.10E-10	-0.0160826	0.0137134	0.2408915	0.7294993	4	0.73551426
ENSG00000124422	17	USP22	20902910	rs4985967	17	20945887	A	G	0.554672	0.00669835	0.00806093	0.405993	-0.231597	0.0373493	5.62E-10	-0.0289224	0.035117	0.4101654	0.8654057	3	0.83688257
ENSG00000141068	17	KSR1	25783670	rs322186	17	25706031	A	G	0.661034	0.0020285	0.00854061	0.812259	-0.763995	0.0664397	1.33E-30	-0.0026551	0.0111813	0.8122987	0.5844792	19	0.96594546
ENSG00000007171	17	NOS2	26083792	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	-0.846673	0.0628599	2.37E-41	0.0115144	0.0115815	0.3201209	0.2579666	18	0.79066347
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.678264	0.061236	1.64E-28	-0.0143734	0.0144759	0.3207512	0.4924769	12	0.79066347
ENSG00000004142	17	POLDIP2	26673659	rs2227735	17	26693258	T	C	0.575547	0.00373123	0.00810147	0.645113	0.284851	0.0398564	8.87E-13	0.0130989	0.0285001	0.6457971	0.6553847	9	0.92222753
ENSG00000167525	17	PROCA1	27030215	rs9911086	17	27061586	T	C	0.0725646	-0.0136658	0.0147034	0.352663	-0.95516	0.106983	4.33E-19	0.0143073	0.0154768	0.3552595	0.8247331	8	0.81746804
ENSG00000221995	17	TIAF1	27400537	rs8078988	17	27405165	C	G	0.33499	0.00532843	0.00853655	0.532503	-0.613673	0.0603312	2.65E-24	-0.0086829	0.0139368	0.5332726	0.08432849	19	0.87557054
ENSG00000167549	17	CORO6	27941774	rs1808923	17	27980885	T	C	0.462227	-0.0206757	0.00806084	0.0103188	-0.305258	0.0537525	1.36E-08	0.0677319	0.0289752	0.01940883	0.6594839	14	0.35949739
ENSG00000176927	17	EFCAB5	28256218	rs62068625	17	28176581	A	G	0.478131	-0.0228966	0.00803038	0.00435482	0.554298	0.0652669	2.02E-17	-0.0413074	0.0152821	0.006872	0.3446643	20	0.2675694
ENSG00000126653	17	NSRP1	28442539	rs56216220	17	28209182	A	G	0.462227	-0.0203867	0.00803953	0.0112192	0.357512	0.0636084	1.90E-08	-0.0570238	0.0246702	0.02080833	0.6321013	11	0.36295776
ENSG00000108587	17	GOSR1	28804380	rs4794871	17	28713789	A	T	0.518887	-0.0061347	0.00805665	0.446389	-0.388899	0.0484905	1.06E-15	0.0157746	0.0208097	0.4484268	0.5823311	20	0.85417294
ENSG00000231421	17	AC006050.2	28900489	rs75418029	17	28970411	C	A	0.120278	0.00306082	0.0137767	0.824179	1.06609	0.0846403	2.23E-36	0.00287107	0.0129247	0.8242056	0.9989429	14	0.96886182
ENSG00000264538	17	SUZ12P	29036317	rs8070182	17	29135594	C	A	0.107356	0.00384037	0.0142578	0.787659	-0.921903	0.103199	4.14E-19	-0.0041657	0.0154726	0.7877528	0.9998006	10	0.9600829
ENSG00000263603	17	CTD-2349P21.5	29056487	rs184726259	17	29073570	C	T	0.107356	0.00344935	0.0142641	0.80892	-0.873585	0.130391	2.09E-11	-0.0039485	0.0163389	0.8090413	0.992682	15	0.96594546
ENSG00000176390	17	CRLF3	29096406	rs9915139	17	29158515	G	A	0.110338	0.0048306	0.0137815	0.725954	-0.702834	0.0903985	7.55E-15	-0.006873	0.0196284	0.7262203	0.9991191	11	0.94070655
ENSG00000266490	17	CTD-2349P21.9	29119390	rs7504112	17	29073773	C	T	0.275348	-0.0128973	0.0089406	0.149145	0.754993	0.0729622	4.29E-25	-0.0170827	0.0119565	0.1530797	0.7208382	14	0.65219838
ENSG00000172171	17	TEFM	29224354	rs28588622	17	29245699	A	G	0.107356	0.00505276	0.0140975	0.720032	-0.600344	0.104428	8.98E-09	-0.0084164	0.023528	0.7205523	0.9877334	12	0.94000124
ENSG00000265798	17	RP11-271K11.5	29365593	rs56362439	17	30253140	A	T	0.154076	-0.0142595	0.0110257	0.195909	0.847694	0.114076	1.08E-13	-0.0168215	0.0132022	0.2026127	0.5044947	14	0.70245572
ENSG00000006042	17	TMEM98	31254928	rs28985	17	31279334	G	A	0.150099	0.0138437	0.0134164	0.302144	-0.748519	0.0987986	3.56E-14	-0.0184948	0.0180894	0.3065868	0.7916301	9	0.77894167
ENSG00000263571	17	CTC-304I17.5	32488756	rs6505396	17	32476849	G	A	0.748509	0.0160469	0.00900672	0.0748049	-1.17088	0.093029	2.52E-36	-0.013705	0.00776895	0.0777199	0.2400708	20	0.54899145
ENSG00000181291	17	TMEM132E	32907768	rs17588051	17	32995652	A	G	0.196819	0.0120806	0.00998483	0.226317	-0.598155	0.0817593	2.55E-13	-0.0201964	0.0169194	0.2326022	0.4841532	6	0.7275513
ENSG00000132141	17	CCT6B	33254878	rs1680530	17	33368056	C	A	0.572565	0.0100608	0.00878389	0.252057	-0.312504	0.0506382	6.77E-10	-0.0321941	0.0285881	0.260107	0.03717201	9	0.74586579
ENSG00000005156	17	LIG3	33307513	rs1003918	17	33332177	A	G	0.477137	-0.0013321	0.00812145	0.869715	-0.665071	0.0534393	1.48E-35	0.00200291	0.0122125	0.8697266	0.1577575	16	0.97828063
ENSG00000172716	17	SLFN11	33677324	rs2671831	17	33727229	A	G	0.456262	-0.0039462	0.00830724	0.634761	0.383731	0.0683791	2.00E-08	-0.0102839	0.021726	0.6359682	0.4881915	5	0.91732007
ENSG00000002834	17	LASP1	37026112	rs12939116	17	37026795	C	G	0.636183	0.0113305	0.00842174	0.178499	0.366066	0.0526325	3.52E-12	0.0309521	0.0234325	0.1865343	0.7181723	3	0.68634888
ENSG00000263874	17	LINC00672	37081421	rs573556	17	37082081	C	A	0.846918	0.00525321	0.0134251	0.695578	0.888289	0.0947377	6.83E-21	0.00591385	0.0151266	0.6958288	0.1161625	8	0.9358786
ENSG00000073605	17	GSDMB	38060848	rs17676923	17	38050125	T	C	0.0367793	0.00658111	0.0192184	0.732022	-0.78618	0.102024	1.30E-14	-0.008371	0.0244694	0.7322754	0.680532	5	0.94377069
ENSG00000008838	17	MED24	38175350	rs6503534	17	38191924	G	A	0.222664	0.0171267	0.00965167	0.0759836	0.262169	0.047033	2.49E-08	0.0653269	0.0386351	0.09086153	0.7017876	7	0.58753346
ENSG00000188895	17	MSL1	38278551	rs117827273	17	38279036	G	C	0.161034	-0.0138363	0.0108414	0.20187	-0.733629	0.078424	8.39E-21	0.0188601	0.0149147	0.2060389	0.6660348	20	0.70730227
ENSG00000196859	17	KRT39	39114669	rs8068997	17	39135466	G	A	0.270378	-0.0021584	0.00984265	0.826425	0.975975	0.0795237	1.27E-34	-0.0022115	0.0100866	0.8264526	0.9588126	20	0.96886182
ENSG00000204889	17	KRT40	39133968	rs8068541	17	39126736	G	A	0.293241	-0.0026913	0.00961582	0.779566	0.731969	0.0899907	4.16E-16	-0.0036768	0.0131447	0.7796939	0.9207471	14	0.95957933
ENSG00000094796	17	KRT31	39549976	rs73307180	17	39530058	G	A	0.0357853	-0.0053285	0.0296353	0.857307	1.419	0.189991	8.09E-14	-0.0037551	0.0208907	0.857348	0.3015291	6	0.97828063
ENSG00000171345	17	KRT19	39679869	rs73307180	17	39530058	G	A	0.0357853	-0.0053285	0.0296353	0.857307	1.28534	0.202489	2.19E-10	-0.0041456	0.0230656	0.8573637	0.418434	6	0.97828063
ENSG00000128422	17	KRT17	39775689	rs8073131	17	39780140	C	T	0.38171	-0.0121278	0.00874638	0.16556	0.561381	0.0720652	6.71E-15	-0.0216035	0.015825	0.172206	0.4638989	11	0.67151653
ENSG00000173801	17	JUP	39775692	rs7213095	17	39940768	T	G	0.473161	0.00639095	0.00835805	0.444483	-0.64894	0.07519	6.10E-18	-0.0098483	0.01293	0.4462614	0.6502115	3	0.85417294
ENSG00000141698	17	NT5C3B	39981335	rs1865841	17	39991988	A	G	0.728628	-0.0079007	0.00853003	0.354331	-0.406395	0.0555178	2.48E-13	0.0194409	0.0211569	0.3581504	0.3693879	16	0.81746804
ENSG00000108785	17	HSD17B1P1	40698782	rs610177	17	40705724	G	T	0.525845	0.00662779	0.00808005	0.412064	-0.430157	0.0617453	3.25E-12	-0.0154078	0.0189137	0.4152792	0.2393041	13	0.83806414
ENSG00000108786	17	HSD17B1	40701232	rs610177	17	40705724	G	T	0.525845	0.00662779	0.00808005	0.412064	-0.562609	0.0578652	2.41E-22	-0.0117805	0.0144128	0.4137214	0.1589754	11	0.83806414
ENSG00000037042	17	TUBG2	40811323	rs4793005	17	40784194	A	G	0.523857	0.0073228	0.00808525	0.365095	-0.260992	0.0373515	2.80E-12	-0.0280576	0.0312381	0.3690869	0.1002865	8	0.81816933
ENSG00000108828	17	VAT1	41166622	rs35312672	17	41393260	A	G	0.360835	0.0212576	0.00832305	0.0106473	-0.34006	0.0475376	8.46E-13	-0.0625113	0.0259885	0.01615701	0.7950313	10	0.34725322
ENSG00000108830	17	RND2	41177258	rs8176190	17	41232698	T	C	0.187873	0.00641936	0.0106073	0.545056	0.401395	0.0665776	1.65E-09	0.0159926	0.0265589	0.5470695	0.02529953	10	0.88133611
ENSG00000198496	17	NBR2	41277627	rs8176318	17	41197274	A	C	0.356859	0.0198713	0.00829025	0.0165326	-1.15023	0.0687943	9.40E-63	-0.0172759	0.00728116	0.01765905	0.80727	20	0.35607708
ENSG00000267002	17	RP11-242D8.1	41316200	rs12950779	17	41306523	T	C	0.357853	0.0201438	0.00828914	0.0150928	-0.357734	0.041216	3.98E-18	-0.0563094	0.0240623	0.01927606	0.8797414	20	0.35949739
ENSG00000188554	17	NBR1	41322498	rs2175957	17	41286822	G	T	0.359841	0.019938	0.00828832	0.016148	-0.490016	0.0484136	4.44E-24	-0.0406885	0.0173855	0.01926503	0.6509595	20	0.35949739
ENSG00000236383	17	LINC00854	41368960	rs11656843	17	41339487	A	G	0.380716	0.0190149	0.0082753	0.021574	-0.551005	0.100838	4.65E-08	-0.0345095	0.0162924	0.0341637	0.765197	7	0.42178047
ENSG00000188825	17	LINC00910	41447213	rs77940339	17	41394075	C	T	0.635189	-0.0210406	0.00832325	0.0114736	0.552877	0.0895569	6.68E-10	-0.0380566	0.0162677	0.01931489	0.9185644	6	0.35949739
ENSG00000175906	17	ARL4D	41476327	rs12950779	17	41306523	T	C	0.357853	0.0201438	0.00828914	0.0150928	-0.478723	0.0603684	2.19E-15	-0.0420782	0.0181099	0.02015279	0.5169299	9	0.36024899
ENSG00000067596	17	DHX8	41561233	rs3744242	17	41346798	C	T	0.358847	0.0200613	0.00828624	0.0154764	-0.313154	0.051055	8.59E-10	-0.0640621	0.0284473	0.02432485	0.7427307	7	0.38644663
ENSG00000231256	17	C17orf105	41857803	rs6503478	17	41913847	G	A	0.254473	-0.0119781	0.0098661	0.224723	0.65421	0.0912446	7.51E-13	-0.0183093	0.0152956	0.2312961	0.7321589	7	0.7275513

ENSG00000108852	17	MPP2	41952725	rs231519	17	41961051	C	T	0.841948	0.00493033	0.011032	0.654939	0.615008	0.101007	1.14E-09	0.00801669	0.0179862	0.6558048	0.1554855	4	0.92318646
ENSG00000161653	17	NAGS	42081914	rs62078879	17	42109239	A	G	0.212724	-0.0065985	0.00959924	0.49183	-0.498737	0.0912762	4.65E-08	0.0132305	0.0193988	0.4952229	0.6394135	3	0.86367134
ENSG00000141349	17	G6PC3	42148103	rs62078879	17	42109239	A	G	0.212724	-0.0065985	0.00959924	0.49183	0.295436	0.0483115	9.64E-10	-0.0223349	0.0326964	0.4945442	0.1236593	10	0.86367134
ENSG00000267080	17	ASB16-AS1	42253341	rs9898613	17	42267290	G	A	0.272366	-0.0238103	0.00883925	0.00706627	-0.423018	0.0598137	1.52E-12	0.0562867	0.0223601	0.01182618	0.2308927	19	0.32568321
ENSG00000267750	17	AC003102.3	42376942	rs4793096	17	42415430	T	C	0.408549	-0.0162882	0.00808772	0.0440159	0.420618	0.0678871	5.80E-10	-0.0387244	0.0202185	0.05545413	0.6034794	11	0.49855845
ENSG00000013306	17	SLC25A39	42396993	rs850719	17	42394461	G	A	0.630219	-0.0230185	0.00868264	0.00802324	-0.525716	0.0562054	8.48E-21	0.043785	0.0171664	0.0107531	0.1039282	20	0.31487106
ENSG00000180336	17	C17orf104	42733762	rs12936472	17	42717345	G	A	0.494036	-0.0077718	0.00808246	0.33627	0.422016	0.0582863	4.47E-13	-0.0184159	0.0193202	0.3404921	0.230285	20	0.80925067
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-1.26068	0.0904905	4.07E-44	-0.0200177	0.00934903	0.03226175	0.00530017	20	0.42178047
ENSG00000182963	17	GJC1	42875816	rs10853007	17	42892795	G	A	0.414513	-0.0052252	0.00814629	0.521252	0.567844	0.0626962	1.34E-19	-0.0092018	0.0143819	0.5222931	0.5163581	20	0.87239215
ENSG00000172992	17	DCAKD	43100708	rs12601576	17	43133628	T	C	0.585487	0.015836	0.00817949	0.0528603	0.499952	0.0497471	9.20E-24	0.031675	0.0166614	0.05728809	0.00022835	20	0.49855845
ENSG00000136448	17	NMT1	43128978	rs59246405	17	43123625	T	C	0.362823	-0.0151004	0.00881634	0.0867541	-0.308262	0.0464639	3.26E-11	0.0489856	0.0295379	0.09723665	0.00200776	20	0.59814366
ENSG00000181513	17	ACBD4	43209967	rs2291447	17	43212963	T	G	0.482107	0.00673966	0.00817103	0.409471	0.400296	0.0452469	9.00E-19	0.0168367	0.020501	0.4114969	0.3394249	17	0.83688257
ENSG00000267121	17	CTD-2020K17.1	43268298	rs62063276	17	44036408	G	T	0.240557	-0.0053779	0.014833	0.716934	-0.568407	0.0869012	6.12E-11	0.00946127	0.0261358	0.7173489	0.3563188	4	0.93968224
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.627121	0.0659612	1.95E-21	0.0308417	0.0142097	0.02997175	0.1221011	15	0.41039362
ENSG00000159314	17	ARHGAP27	43471275	rs4523963	17	43570226	G	T	0.730616	-0.0073995	0.00862916	0.391168	0.560299	0.09767	9.66E-09	-0.0132064	0.0155721	0.3963937	0.4577939	9	0.82851531
ENSG00000225190	17	PLEKHM1	43513266	rs1991556	17	44083402	A	G	0.242545	-0.008453	0.0142124	0.552001	-1.03885	0.0760979	1.98E-42	0.00813692	0.0136939	0.5523774	0.7135614	7	0.88133611
ENSG00000236234	17	AC091132.1	43530210	rs1724400	17	43755871	C	A	0.733598	0.0110801	0.0138667	0.424268	0.617448	0.0879192	2.17E-12	0.017945	0.022603	0.4272411	0.1127093	12	0.84625634
ENSG00000214425	17	LRRC37A4P	43578685	rs1991556	17	44083402	A	G	0.242545	-0.008453	0.0142124	0.552001	-1.149	0.0795842	3.00E-47	0.00735687	0.0123799	0.5523375	0.7220039	8	0.88133611
ENSG00000266918	17	RP11-798G7.8	43608943	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	0.698112	0.100468	3.69E-12	0.0104848	0.0120593	0.384611	0.41935	13	0.82188387
ENSG00000267198	17	RP11-798G7.6	43623170	rs11653367	17	44191483	G	A	0.311133	-0.0022712	0.00842449	0.787468	0.648466	0.104503	5.46E-10	-0.0035025	0.0130037	0.7876637	0.8080904	13	0.9600829
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	0.742881	0.0837624	7.39E-19	-0.0076951	0.0201705	0.7028312	0.9999277	9	0.93781922
ENSG00000263503	17	RP11-707O23.5	43678235	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.17873	0.089776	2.23E-39	-0.0048497	0.0127058	0.7026887	0.1003364	9	0.93781922
ENSG00000204650	17	CRHR1-IT1	43697694	rs62055932	17	43848412	G	A	0.239563	-0.005768	0.0148372	0.697456	0.388078	0.0646364	1.92E-09	-0.0148631	0.0383126	0.6980583	0.7208707	7	0.93660278
ENSG00000185294	17	SPPL2C	43922256	rs17573607	17	44083081	A	G	0.239563	-0.0059774	0.0148293	0.68689	0.758482	0.0735994	6.65E-25	-0.0078807	0.0195662	0.6871171	0.9823376	5	0.92986773
ENSG00000120071	17	KANSL1	44107282	rs6503453	17	44062603	G	A	0.428429	0.00419419	0.00813718	0.606249	-0.469896	0.0664622	1.55E-12	-0.0089258	0.0173629	0.6072023	0.1639113	20	0.90341567
ENSG00000214401	17	KANSL1-AS1	44270942	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.1736	0.0839632	2.14E-44	-0.0048709	0.0127607	0.7026747	0.99951	8	0.93781922
ENSG00000262500	17	RP11-259G18.2	44320972	rs62056812	17	43987154	A	G	0.239563	-0.0044037	0.0148507	0.766821	1.22021	0.0943756	3.08E-38	-0.003609	0.0121738	0.7668822	0.989767	4	0.95514229
ENSG00000262539	17	RP11-259G18.3	44336917	rs62055934	17	43848638	A	G	0.238569	-0.0061828	0.0148442	0.677035	1.24634	0.0887545	8.56E-45	-0.0049608	0.0119155	0.6771697	0.993156	7	0.92610213
ENSG00000261575	17	RP11-259G18.1	44344403	rs2532343	17	44344097	C	G	0.250497	-0.0045163	0.0148392	0.76086	1.23481	0.0823904	8.89E-51	-0.0036575	0.0120199	0.760908	0.9943966	4	0.95487608
ENSG00000228696	17	ARL17B	44352150	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-0.924161	0.0941328	9.45E-23	-0.00769	0.00887055	0.3859904	0.6015805	14	0.82295689
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.06991	0.0793807	2.10E-41	-0.0066424	0.00764812	0.3851192	0.662058	12	0.8221103
ENSG00000260075	17	NSFP1	44450221	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.234	0.101343	4.15E-34	-0.0059316	0.00678622	0.3820867	0.5475092	20	0.82033551
ENSG00000238083	17	LRRC37A2	44588877	rs17564020	17	43991781	T	G	0.239563	-0.0045286	0.0148386	0.760221	1.18749	0.0780309	2.68E-52	-0.0038136	0.0124983	0.7602678	0.9940447	4	0.9547369
ENSG00000185829	17	ARL17A	44594068	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.13378	0.0878768	4.39E-38	-0.005042	0.0132098	0.702693	0.882445	9	0.93781922
ENSG00000232300	17	FAM215B	44636196	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	0.873863	0.0866303	6.29E-24	-0.0065417	0.0171436	0.7027718	0.7054834	10	0.93781922
ENSG00000073969	17	NSF	44668035	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-0.259667	0.0394865	4.83E-11	-0.0281881	0.0324509	0.3850441	0.6015517	8	0.8221103
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-0.734167	0.0689844	1.89E-26	0.00704648	0.0119986	0.5570185	0.5847624	11	0.88271976
ENSG00000262879	17	RP11-156P1.3	45061411	rs76048354	17	45180518	T	C	0.106362	0.0355339	0.0151706	0.0191664	1.14838	0.126223	9.20E-20	0.0309426	0.0136412	0.02330972	0.7617465	20	0.38159045
ENSG00000178852	17	EFCAB13	45400656	rs7221196	17	45374994	A	G	0.571571	0.00921489	0.00830553	0.267219	0.479689	0.0741379	9.79E-11	0.0192101	0.0175671	0.2741621	0.6779835	8	0.76215034
ENSG00000141279	17	NPEPPS	45600308	rs55745341	17	45855778	C	G	0.303181	-0.0031219	0.0089635	0.727621	0.203868	0.0371056	3.92E-08	-0.0153134	0.0440554	0.7281445	0.5575895	8	0.94150792
ENSG00000006025	17	OSBPL7	45884738	rs8064241	17	45933341	C	T	0.468191	-0.010002	0.00809956	0.216876	0.31143	0.0468943	3.11E-11	-0.0321164	0.0264534	0.2247204	0.5803922	12	0.7258405
ENSG00000159111	17	MRPL10	45900638	rs55916822	17	45906599	C	T	0.0536779	-0.0162469	0.0262627	0.536159	-1.61492	0.139297	4.46E-31	0.0100605	0.0162857	0.5367392	0.2816533	11	0.87578658
ENSG00000141294	17	LRRC46	45908993	rs55916822	17	45906599	C	T	0.0536779	-0.0162469	0.0262627	0.536159	-1.0748	0.129738	1.19E-16	0.0151162	0.024503	0.5372924	0.4912882	9	0.87578658
ENSG00000141295	17	SCRN2	45915058	rs6503875	17	45915395	C	T	0.122266	0.0174541	0.0131727	0.185165	-0.671929	0.0621054	2.79E-27	-0.0259761	0.0197508	0.1884446	0.4972242	20	0.68886819
ENSG00000264920	17	RP11-6N17.4	45968621	rs146084401	17	46000197	A	G	0.0407555	0.0317345	0.0291821	0.276832	1.16759	0.175535	2.90E-11	0.0271795	0.0253253	0.283174	0.724478	8	0.76768522
ENSG00000108439	17	PNPO	46018872	rs3096	17	46029432	G	T	0.318091	0.0146724	0.00919344	0.110496	0.493115	0.0631229	5.63E-15	0.0297545	0.0190287	0.117896	0.03105131	20	0.62295184
ENSG00000108465	17	CDK5RAP3	46045176	rs886444	17	46051911	A	G	0.380716	0.00800239	0.00822449	0.330555	0.480764	0.0600571	1.19E-15	0.0166452	0.017233	0.3341009	0.3025535	18	0.80220905
ENSG00000002919	17	SNX11	46180719	rs78250051	17	46545826	A	G	0.208748	0.00018525	0.00896901	0.983521	0.43488	0.0738786	3.95E-09	0.00042599	0.0206242	0.9835211	0.8231521	13	0.99756656
ENSG00000173917	17	HOXB2	46618256	rs8073963	17	46609918	A	G	0.792247	0.00267194	0.00972532	0.783516	0.875059	0.106277	1.81E-16	0.00305344	0.0111201	0.783633	0.6037264	20	0.95999897
ENSG00000230148	17	HOXB-AS1	46620913	rs6504340	17	46617019	G	A	0.792247	0.00210851	0.00972916	0.828426	0.88019	0.102707	1.04E-17	0.00239552	0.011057	0.82848	0.5227971	20	0.96944468
ENSG00000120093	17	HOXB3	46626232	rs8073963	17	46609918	A	G	0.792247	0.00267194	0.00972532	0.783516	0.782588	0.102915	2.87E-14	0.00341424	0.0124352	0.7836532	0.5970667	20	0.95999897
ENSG00000170703	17	TTLL6	46839597	rs178467	17	46950869	G	A	0.187873	0.016987	0.0107351	0.113564	0.878788	0.121153	4.06E-13	0.01933	0.0125031	0.1221	0.0016843	10	0.62935184
ENSG00000136436	17	CALCOCO2	46908350	rs617471	17	46888415	C	T	0.182903	0.0037936	0.0102715	0.71188	0.6558	0.0638642	9.75E-25	0.00578469	0.0156727	0.7120577	0.00270534	12	0.93968224
ENSG00000159199	17	ATP5G1	46970127	rs9905428	17	46948709	G	C	0.282306	-0.0267149	0.00893227	0.00278227	-0.340951	0.051458	3.45E-11	0.0783541	0.0287434	0.00641106	0.327612	17	0.26570111
ENSG00000159210	17	SNF8	47006678	rs55917610	17	47012551	G	C	0.683897	0.0287493	0.0086293	0.00086352	0.452557	0.0743909	1.18E-09	0.0635264	0.02174	0.00347685	0.3790595	7	0.23296373
ENSG00000005884	17	ITGA3	48133332	rs9893356	17	48136824	T	C	0.0775348	-0.0054199	0.0127311	0.670312	-0.476295	0.079227	1.84E-09	0.0113793	0.0267964	0.6710867	0.1730856	6	0.92466627
ENSG00000253730	17	RP11-893F2.13	48235694	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.768916	0.074344	4.52E-25	-0.0081909	0.0109316	0.4536878	0.8672615	16	0.85417294
ENSG00000261959	17	RP11-893F2.14	48240884	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.984226	0.0753775	5.78E-39	-0.006399	0.00853186	0.4532458	0.7894593	20	0.85417294
ENSG00000108823	17	SGCA	48241575	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.996632	0.0667168	1.86E-50	-0.0063194	0.00842237	0.4530699	0.8068855	20	0.85417294
ENSG00000188662	17	HILS1	48248789	rs2586471	17	48241732	T	C	0.628231	0.00641523	0.00837456	0.443654	-0.894746	0.0724396	4.77E-35	-0.0071699	0.00937769	0.4445283	0.8368477	20	0.85417294
ENSG00000108826	17	MRPL27	48445218	rs11868055	17	48449270	G	A	0.446322	-0.0037374	0.00820413	0.648711	-0.398296	0.0437081	8.04E-20	0.00938355	0.0206238	0.6491189	0.07942753	14	0.92239093
ENSG00000136457	17	CHAD	48541857	rs2898945	17	48553916	G	C	0.577535	0.0125614	0.00807607	0.119853	0.746148	0.074709	1.73E-23	0.016835	0.0109542	0.1243276	0.9549354	17	0.63242728
ENSG00000136444	17	RSAD1	48556161	rs4794145	17	48514695	C	G	0.305169	0.00010969	0.00907917	0.990361	-0.315294	0.0446846	1.71E-12	-0.0003479	0.0287959	0.9903607	0.4466587	9	0.9989377
ENSG00000250286	17	RP11-94C24.8	48614655	rs3785915	17	48613837	G	A	0.720676	-0.000928	0.00870049	0.91506	-0.640433	0.08222	6.74E-15	0.00144899	0.0135866	0.9150676	0.07768405	20	0.98780912
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.378052	0.0488864	1.05E-14	-0.0368394	0.023164	0.1117509	0.2771582	20	0.61545125
ENSG00000154945	17	ANKRD40	48770551	rs9889919	17	48787960	A	G	0.322068	-0.0163371	0.00892175	0.067078	-0.343005	0.0543693	2.81E-10	0.0476293	0.0270841	0.07864984	0.3132157	5	0.55219198
ENSG00000229980	17	TOB1-AS1	48944040	rs35220381	17	48944240	T	C	0.404573	-0.0157831	0.00833586	0.0583042	-0.519652	0.0707053	1.99E-13	0.0303724	0.016565	0.06672366	0.1065667	12	0.51470776
ENSG00000262006	17	RP11-700H6.4	48986998	rs71381325	17	48935026	A	G	0.272366	-0.0039117	0.00878941	0.656287	0.623416	0.0992945	3.42E-10	-0.0062746	0.0141342	0.6570926	0.1008139	11	0.92318646
ENSG00000008294	17	SPAG9	49039535	rs9332407	17	49054439	C	T	0.456262	-0.0051679	0.00821061	0.529077	0.185906	0.0337858	3.74E-08	-0.0277984	0.0444534	0.5317491	0.6277841	9	0.87557054
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.616495	0.042488	1.05E-47	-0.0197556	0.0135576	0.1450726	0.6374259	20	0.64369056
ENSG00000243678	17	NME1-NME2	49230920	rs12600745	17	49335781	G	A	0.529821	0.0129359	0.00806706	0.108813	0.252325	0.0457701	3.53E-08	0.0512668	0.0332959	0.1236256	0.9075155	10	0.6305293
ENSG00000011260	17	UTP18	49337889	rs1034922	17	49418812	G	C	0.0854871	-0.008655	0.0176419	0.623713	-0.437348	0.065703	2.81E-11	0.0197898	0.0404478	0.6246519	0.6566377	13	0.91245153
ENSG00000214226	17	C17orf67	54869274	rs117486106	17	54911028	G	C	0.102386	0.00786886	0.0123259	0.523214	0.987437	0.122321	6.89E-16	0.00796897	0.0125217	0.524507	0.6334957	4	0.87463667
ENSG00000121064	17	SCPEP1	55055466	rs8071182	17	55336155	A	G	0.157058	0.00270463	0.0112242	0.809583	0.452803	0.0763508	3.02E-09	0.00597308	0.0248087	0.8097369	0.8933579	3	0.96594546
ENSG00000005379	17	BZRAP1	56378592	rs12600886	17	56388683	T	C	0.279324	-0.003289	0.0090143	0.715211	0.612262	0.060563	5.01E-24	-0.0053719	0.0147325	0.715388	0.1198833	18	0.93968224
ENSG00000213246	17	SUPT4H1	56422539	rs10515157	17	56433448	A	G	0.154076	0.00563394	0.00996043	0.571644	-0.527848	0.0713612	1.39E-13	-0.0106734	0.018925	0.5727639	0.1399451	20	0.89031848
ENSG00000121101	17	TEX14	56634039	rs1057068	17	56598439	C	T	0.370775	-0.0024655	0.00846091	0.770747	-0.504938	0.0822026	8.12E-10	0.00488278	0.0167752	0.7709966	0.1717614	17	0.95603464
ENSG00000108384	17	RAD51C	56769934	rs62081322	17	56804230	A	G	0.181909	0.00334567	0.00922571	0.716869	-0.640953	0.0696092	3.33E-20	-0.0052198	0.0144049	0.717079	0.2825247	20	0.93968224
ENSG00000267302	17	RP11-178C3.2	58042193	rs9913684	17	57691502	G	A	0.238569	0.00267983	0.00914353	0.769456	1.02827	0.104597	8.30E-23	0.00260615	0.0088961	0.7695568	0.6074856	20	0.95547643
ENSG00000121068	17	TBX2	59477257	rs9907379	17	59489893	C	T	0.800199	0.00807715	0.010665	0.448839	-0.38114	0.0693045	3.81E-08	-0.0211921	0.0282459	0.453092	0.6233648	5	0.85417294
ENSG00000170921	17	TANC2	61086917	rs8071332	17	61141953	G	A	0.213718	-0.0038351	0.00937141	0.682365	0.416353	0.0746692	2.46E-08	-0.0092113	0.0225689	0.6831713	0.626801	7	0.92826591
ENSG00000136485	17	DCAF7	61627822	rs72845888	17	61667008	T	C	0.0576541	-0.0095349	0.0152514	0.531852	0.697901	0.09259	4.79E-14	-0.0136622	0.0219283	0.5332587	0.4931814	6	0.87557054
ENSG00000198231	17	DDX42	61850963	rs11542436	17	61778689	C	A	0.274354	-0.0015833	0.00957484	0.868664	-0.407601	0.0466181	2.26E-18	0.00388431	0.0234949	0.8686876	0.7749473	20	0.97828063
ENSG00000108592	17	FTSJ3	61896793	rs2584616	17	61927473	C	T	0.59841	-0.005234	0.00841965	0.534177	0.854813	0.0600375	5.32E-46	-0.006123	0.00985908	0.5345656	0.4639439	20	0.87557054
ENSG00000240280	17	TCAM1P	61926652	rs4480868	17	61788859	T	C	0.331014	-0.0039076	0.00817116	0.632492	-0.806916	0.0886465	8.82E-20	0.00484267	0.0101404	0.6329609	0.7621531	20	0.91688388
ENSG00000213218	17	CSH2	61949372	rs1982400	17	61793818	C	T	0.597416	-0.0056051	0.00841715	0.50547	-0.892773	0.0809304	2.70E-28	0.00627825	0.00944526	0.5062435	0.645661	20	0.86831354
ENSG00000178607	17	ERN1	62116502	rs2003092	17	62162777	G	A	0.240557	-0.0071339	0.0093879	0.447312	-0.745476	0.08885	4.85E-17	0.00956959	0.0126447	0.4491661	0.3913289	13	0.85417294
ENSG00000108854	17	SMURF2	62538413	rs143454479	17	62654653	C	T	0.0149105	0.0427323	0.041935	0.308197	1.86078	0.248425	6.87E-14	0.0229647	0.0227438	0.3126334	0.2806371	4	0.78485307
ENSG00000176809	17	LRRC37A3	62850430	rs41410147	17	62962184	T	C	0.084493	-0.0205939	0.0172927	0.233694	1.59302	0.153556	3.25E-25	-0.0129276	0.0109266	0.2367571	0.7414497	5	0.73041159
ENSG00000265912	17	RP11-583F2.2	62939380	rs41410147	17	62962184	T	C	0.084493	-0.0205939	0.0172927	0.233694	1.65155	0.218465	4.04E-14	-0.0124694	0.0105997	0.2394374	0.633854	3	0.73355309
ENSG00000214174	17	AMZ2P1	62962668	rs35122942	17	62971597	A	G	0.0914513	-0.0109556	0.0157459	0.486572	0.991976	0.106846	1.63E-20	-0.0110442	0.0159178	0.4877894	0.9671898	20	0.86252211
ENSG00000171634	17	BPTF	65821640	rs12947658	17	65903006	G	A	0.689861	-0.0220056	0.00866841	0.0111299	0.341019	0.0421745	6.17E-16	-0.064529	0.0266424	0.01543382	0.00719659	20	0.34725322
ENSG00000267731	17	RP11-147L13.8	66186025	rs2108619	17	66121139	G	A	0.180915	0.0148677	0.00998653	0.136546	0.659139	0.0829828	1.97E-15	0.0225562	0.0154147	0.1433869	0.05206779	8	0.64189476
ENSG00000267472	17	LOC440461	66195062	rs34593162	17	66205267	C	T	0.244533	0.0238832	0.00887548	0.00712558	-0.651194	0.0830745	4.55E-15	-0.036676	0.0144103	0.01092377	0.1357286	18	0.31487106
ENSG00000196704	17	AMZ2	66243715	rs35121941	17	66178101	T	C	0.140159	-0.0241381	0.0139274	0.083073	-0.42634	0.0707912	1.72E-09	0.056617	0.0339931	0.09580453	0.00048462	13	0.59257747
ENSG00000070540	17	WIPI1	66417089	rs75703374	17	66439543	T	C	0.0854871	-0.0231748	0.0154099	0.13261	-0.710354	0.106476	2.53E-11	0.0326243	0.0222376	0.1423549	0.05044452	10	0.63998794
ENSG00000154265	17	ABCA5	67240452	rs11656456	17	67320001	G	C	0.480119	-0.0054696	0.00817143	0.50327	-0.296437	0.0360701	2.06E-16	0.018451	0.0276568	0.5046803	0.1744376	10	0.86796708
ENSG00000153822	17	KCNJ16	68049570	rs11867479	17	68090207	T	C	0.345924	0.010651	0.0089194	0.232422	0.366523	0.0480147	2.28E-14	0.0290596	0.0246311	0.2380836	0.0807058	3	0.73261099
ENSG00000133195	17	SLC39A11	70642088	rs11077657	17	71028147	A	C	0.742545	-0.0146019	0.00884393	0.0987256	-0.398896	0.0697845	1.09E-08	0.0366058	0.0230774	0.1126894	0.9340632	9	0.6163049
ENSG00000069188	17	SDK2	71330523	rs7220304	17	71342433	T	C	0.808151	0.0183834	0.0109325	0.0926574	0.498653	0.0646266	1.20E-14	0.0368661	0.0224387	0.1003884	0.7182429	3	0.5994087
ENSG00000257008	17	GPR142	72363546	rs34886967	17	72367634	A	T	0.356859	-0.01282	0.00818553	0.117306	-0.966699	0.0737361	2.88E-39	0.0132616	0.00852771	0.1199173	0.06613009	5	0.62616883
ENSG00000167851	17	CD300A	72462555	rs8078359	17	72460945	G	A	0.0467197	-0.0236679	0.0244351	0.332745	-1.14665	0.20994	4.71E-08	0.0206409	0.0216425	0.3402247	0.4369137	3	0.80899656
ENSG00000261222	17	CTD-2006K23.1	72595979	rs579238	17	72608834	A	G	0.302187	0.00964279	0.00869027	0.267168	0.419593	0.0663707	2.58E-10	0.0229813	0.0210278	0.2744371	0.5606983	3	0.76215034
ENSG00000172794	17	RAB37	72666717	rs563299	17	72604791	A	G	0.299205	0.00907468	0.0086782	0.295705	0.669892	0.0555437	1.70E-33	0.0135465	0.0130032	0.2975144	0.8453173	20	0.77863838
ENSG00000109062	17	SLC9A3R1	72744791	rs563299	17	72604791	A	G	0.299205	0.00907468	0.0086782	0.295705	0.562083	0.0551781	2.27E-24	0.0161447	0.0155205	0.2982374	0.7445451	12	0.77863838
ENSG00000109066	17	TMEM104	72772622	rs4789098	17	72781292	G	C	0.640159	0.0073628	0.00824944	0.372114	-0.419667	0.0662513	2.38E-10	-0.0175444	0.0198513	0.3768088	0.9105152	8	0.82033551
ENSG00000239607	17	RN7SL573P	73037830	rs7210415	17	73037868	G	C	0.497018	0.00994459	0.00805619	0.217053	0.412173	0.0696775	3.31E-09	0.0241272	0.0199667	0.2269033	0.8582431	9	0.72746085
ENSG00000125450	17	NUP85	73201754	rs7222849	17	73212449	T	C	0.760437	0.0172439	0.0110981	0.12024	-0.996374	0.0576659	6.84E-67	-0.0173067	0.0111834	0.1217365	0.2838756	20	0.62876403
ENSG00000125447	17	GGA3	73232694	rs2279161	17	73257830	T	C	0.802187	0.0266022	0.0132021	0.0439046	-0.3194	0.0553678	7.99E-09	-0.083288	0.0437831	0.05713353	0.915842	3	0.49855845
ENSG00000125445	17	MRPS7	73257755	rs8067326	17	73261276	T	C	0.799205	0.026522	0.0132067	0.04462	0.697615	0.0656326	2.18E-26	0.0380181	0.0192661	0.04846011	0.102498	20	0.48088074
ENSG00000132481	17	TRIM47	73870242	rs9889965	17	73874770	G	A	0.163022	0.0237291	0.014186	0.0943844	-0.879838	0.0760883	6.32E-31	-0.0269699	0.0162912	0.09782688	0.8272571	20	0.59814366
ENSG00000267801	17	RP11-552F3.9	73872453	rs7207180	17	73881056	C	G	0.297217	0.00964381	0.00959497	0.314853	-0.489732	0.074774	5.77E-11	-0.019692	0.0198216	0.3204858	0.8173751	20	0.79066347
ENSG00000141569	17	TRIM65	73876416	rs7370	17	73894804	A	G	0.290258	0.0142689	0.0101166	0.158409	0.732478	0.0638329	1.76E-30	0.0194803	0.0139154	0.1615406	0.9066198	20	0.65985425
ENSG00000188878	17	FBF1	73905655	rs11077798	17	73953404	C	T	0.762425	-0.0138778	0.0105666	0.189061	-0.441642	0.0616748	8.02E-13	0.0314232	0.0243248	0.1964207	0.892947	20	0.69827697
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	1.08861	0.0858067	7.00E-37	0.0101899	0.00986987	0.3018741	0.2899007	20	0.77863838
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.987989	0.0748891	9.67E-40	0.0112277	0.0108723	0.3017537	0.5978977	19	0.77863838
ENSG00000129646	17	QRICH2	74270130	rs11077811	17	74285242	A	G	0.243539	0.0150063	0.0100009	0.133484	-0.297442	0.0418782	1.22E-12	-0.0504512	0.0343652	0.1420795	0.1261962	11	0.63982352
ENSG00000161542	17	PRPSAP1	74305567	rs12603578	17	74296079	T	C	0.295229	0.0151183	0.00920351	0.100452	-0.934833	0.0631926	1.62E-49	-0.0161722	0.00990559	0.1025463	0.4607533	20	0.60248939
ENSG00000214140	17	PRCD	74523668	rs4648343	17	74554739	G	C	0.375746	-0.0019013	0.00817389	0.816064	0.291818	0.0525486	2.80E-08	-0.0065155	0.0280348	0.8162224	0.1159196	4	0.96637758
ENSG00000163597	17	SNHG16	74553848	rs9914222	17	74534650	T	G	0.198807	-0.0197349	0.00995253	0.0473784	-0.466362	0.0798245	5.15E-09	0.0423167	0.0225364	0.06042217	0.5434463	10	0.50428503
ENSG00000182534	17	MXRA7	74668633	rs11869629	17	74677156	T	C	0.804175	0.003673	0.0104029	0.724031	-1.16358	0.0911254	2.44E-37	-0.0031566	0.00894384	0.7241336	0.6896392	18	0.94070655
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086057	17	74819228	G	A	0.0864811	-0.007793	0.0145054	0.591099	1.73839	0.187094	1.52E-20	-0.0044829	0.00835809	0.5917165	0.1662269	11	0.89682588
ENSG00000184640	17	9-Sep	75276651	rs384810	17	75388812	T	G	0.229622	0.0109602	0.00968378	0.257716	-0.660359	0.0688429	8.62E-22	-0.0165973	0.0147661	0.2610076	0.2038158	16	0.74586579
ENSG00000266998	17	RP11-936I5.1	75369900	rs11658815	17	75375881	A	G	0.45825	0.00526541	0.00818381	0.519968	0.771435	0.0799332	4.87E-22	0.00682547	0.0106321	0.5208936	0.2536824	15	0.87239215
ENSG00000167900	17	TK1	76170160	rs144204502	17	76183233	T	C	0.0119284	-0.0148516	0.0211157	0.481839	1.62372	0.220545	1.81E-13	-0.0091467	0.0130637	0.4838298	0.9961273	9	0.86066122
ENSG00000089685	17	BIRC5	76210267	rs2661690	17	76214127	C	A	0.389662	0.00789312	0.00861453	0.359532	-0.577919	0.0883548	6.12E-11	-0.0136578	0.0150517	0.3641969	0.8772124	9	0.81816933
ENSG00000204278	17	TMEM235	76227391	rs2661679	17	76172104	G	T	0.0367793	4.36E-05	0.016598	0.997903	-0.492346	0.0842045	5.00E-09	-8.86E-05	0.0337121	0.9979026	0.7708229	11	0.99948878
ENSG00000087157	17	PGS1	76374721	rs12150161	17	76423599	A	G	0.170974	0.00893829	0.010526	0.39579	0.51044	0.0821697	5.23E-10	0.017511	0.0208132	0.4001582	0.9775564	9	0.82963504
ENSG00000108669	17	CYTH1	76670130	rs112855463	17	76670738	T	C	0.0785288	0.0181599	0.0141954	0.200799	-1.58897	0.160786	4.96E-23	-0.0114287	0.00900825	0.2045499	0.1630671	3	0.70612127
ENSG00000055483	17	USP36	76783463	rs3826552	17	76793885	A	G	0.536779	0.0176969	0.00829403	0.0328678	0.626803	0.055445	1.24E-29	0.0282336	0.0134659	0.03602248	0.3442293	16	0.43440968
ENSG00000262585	17	RP11-353N14.5	77889051	rs7215238	17	77906124	T	A	0.478131	0.0009166	0.00809217	0.909816	0.392209	0.0686571	1.11E-08	0.00233702	0.0206363	0.909834	0.4933683	6	0.98753784
ENSG00000167291	17	TBC1D16	77906142	rs113510869	17	77992119	C	A	0.0924453	0.0328297	0.0123702	0.00795573	-0.930737	0.0972247	1.04E-21	-0.0352728	0.013792	0.01054353	0.2185695	11	0.31487106
ENSG00000141519	17	CCDC40	78010435	rs3764440	17	78011691	G	A	0.219682	0.0137119	0.00890707	0.123697	1.06902	0.0916476	1.94E-31	0.0128266	0.00840425	0.1269586	0.05571063	16	0.63681423
ENSG00000171298	17	GAA	78075355	rs2304849	17	78075462	C	G	0.244533	-0.0182603	0.0101836	0.0729558	-1.02478	0.0670524	9.88E-53	0.0178188	0.0100055	0.07492988	0.00738177	20	0.54037414
ENSG00000262580	17	RP11-334C17.5	78174472	rs9904453	17	78176579	C	T	0.54672	0.00317747	0.00809813	0.694784	-0.560199	0.0735559	2.62E-14	-0.005672	0.014475	0.6951682	0.08775938	20	0.93573909
ENSG00000173821	17	RNF213	78234665	rs62074445	17	78251696	T	C	0.204771	-0.0036767	0.0120737	0.760731	0.801684	0.0921495	3.32E-18	-0.0045862	0.0150696	0.7608727	0.7064515	6	0.95487608
ENSG00000173818	17	ENDOV	78388965	rs62077768	17	78359309	T	C	0.0894632	0.00838166	0.0156595	0.592482	0.639287	0.105255	1.25E-09	0.013111	0.0245902	0.5939103	0.9533403	6	0.89807048
ENSG00000171246	17	NPTX1	78440948	rs60868711	17	78426532	T	C	0.140159	-0.0032033	0.0116287	0.782957	-0.54763	0.0709067	1.13E-14	0.00584942	0.0212481	0.7830922	0.5307997	4	0.95999897
ENSG00000263167	17	RP11-149I9.2	79109571	rs12936091	17	79130758	T	C	0.370775	-0.0046315	0.00816641	0.570621	0.511905	0.0896625	1.13E-08	-0.0090475	0.0160315	0.5725107	0.4476429	7	0.8901994
ENSG00000225180	17	AATK-AS1	79139307	rs74002090	17	79152120	G	A	0.28827	0.00227821	0.00901823	0.800559	-0.547128	0.097095	1.75E-08	-0.0041639	0.0164994	0.8007557	0.876763	11	0.96362127
ENSG00000167302	17	ENTHD2	79202077	rs117002938	17	79212916	G	A	0.0318091	-0.027096	0.0256716	0.291203	0.831828	0.128233	8.77E-11	-0.032574	0.0312675	0.2975114	0.2044825	7	0.77863838
ENSG00000157637	17	SLC38A10	79218800	rs115343321	17	79268733	C	T	0.129225	0.009025	0.011248	0.422341	0.747116	0.0809949	2.86E-20	0.0120798	0.0151121	0.4240895	0.1081251	20	0.8444398
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.968119	0.0942354	9.29E-25	-0.0098736	0.0129569	0.4460409	0.4500483	12	0.85417294
ENSG00000182446	17	NPLOC4	79523913	rs7501521	17	79527649	T	C	0.235586	-0.0186986	0.0103064	0.069637	-0.565487	0.0773664	2.69E-13	0.0330664	0.0187788	0.07826594	0.1952915	10	0.55026305
ENSG00000182612	17	TSPAN10	79604197	rs7405453	17	79615572	G	A	0.645129	-0.0196873	0.0082564	0.0171029	0.907844	0.0844531	5.95E-27	-0.0216858	0.00931557	0.01991708	0.3310013	20	0.35949739
ENSG00000204237	17	OXLD1	79632066	rs35118028	17	79641578	A	G	0.0596421	-0.0325382	0.0194987	0.09517	-0.656751	0.0939781	2.78E-12	0.0495442	0.0305244	0.1045672	0.3307133	13	0.60519317
ENSG00000185298	17	CCDC137	79633394	rs59125977	17	79644042	G	A	0.191849	-0.0100541	0.011113	0.365613	0.537679	0.0805269	2.44E-11	-0.0186991	0.0208573	0.3699736	0.8346156	10	0.81816933
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.975661	0.0927099	6.71E-26	0.0103501	0.0107654	0.3363411	0.06702492	19	0.80431475
ENSG00000185624	17	P4HB	79801035	rs112261958	17	79814593	T	C	0.17495	-0.0092758	0.010688	0.385461	0.502015	0.0669106	6.25E-14	-0.0184772	0.0214322	0.3886189	0.330565	13	0.82295689
ENSG00000185105	17	MYADML2	79897521	rs2102987	17	79900136	A	G	0.589463	0.0077422	0.00839105	0.356178	-0.93466	0.0781773	6.07E-33	-0.0082834	0.00900434	0.3576051	0.7398708	20	0.81746804
ENSG00000235296	17	AC137723.5	79899745	rs4796856	17	79899272	G	A	0.600398	0.00777691	0.00839505	0.354254	-0.854041	0.0938166	8.76E-20	-0.009106	0.00988056	0.3567326	0.7736542	17	0.81746804
ENSG00000169689	17	STRA13	79976578	rs3934983	17	79980756	A	C	0.55666	-0.0044455	0.00834142	0.594077	0.428597	0.0499876	9.99E-18	-0.0103721	0.0194997	0.5947881	0.02243189	10	0.8982887

ENSG00000169738	17	DCXR	79993012	rs113680823	17	79995320	G	A	0.100398	0.0341523	0.0113552	0.00263299	0.635607	0.0644108	5.73E-23	0.0537318	0.0186765	0.00401508	0.5092795	18	0.23932723
ENSG00000169733	17	RFNG	80005778	rs9893491	17	80008018	G	A	0.638171	-0.0021509	0.00901956	0.811516	-0.403937	0.0426865	3.00E-21	0.00532484	0.0223362	0.8115748	0.6349251	16	0.96594546
ENSG00000176155	17	CCDC57	80059336	rs3935816	17	80137173	T	C	0.484095	-0.0123511	0.00809232	0.126942	-0.795562	0.0524652	6.16E-52	0.015525	0.0102232	0.1288629	0.5449629	20	0.63721248
ENSG00000264548	17	RP13-516M14.2	80172103	rs72854779	17	80180919	G	C	0.203777	0.0008524	0.00952758	0.928711	-0.387159	0.0564719	7.09E-12	-0.0022017	0.0246111	0.9287172	0.4758906	16	0.99191324
ENSG00000260011	17	RP13-20L14.1	80338986	rs9913918	17	80343016	T	C	0.539761	-0.0252528	0.00811453	0.00185798	-0.492131	0.0605891	4.57E-16	0.0513132	0.0176574	0.00366026	0.04646921	12	0.23356165
ENSG00000181396	17	OGFOD3	80347099	rs4789769	17	80373452	T	C	0.251491	-0.0003183	0.0101285	0.974928	-0.328957	0.0478129	5.98E-12	0.00096769	0.0307901	0.9749278	0.0087493	9	0.99743145
ENSG00000169660	17	HEXDC	80376194	rs9914652	17	80384338	G	A	0.390656	-0.0142167	0.00836084	0.0890574	0.332612	0.0593725	2.12E-08	-0.0427426	0.0262693	0.1037176	0.1138881	6	0.60336467
ENSG00000178927	17	C17orf62	80400465	rs9303029	17	80408815	T	C	0.127237	-0.0239175	0.0107878	0.0266171	-0.616045	0.0777711	2.35E-15	0.0388243	0.0181844	0.03275805	0.02842065	6	0.42178047
ENSG00000141562	17	NARF	80416056	rs9915103	17	80392800	T	C	0.366799	-0.0159218	0.00859016	0.0638117	-0.462603	0.0574289	7.93E-16	0.0344178	0.0190544	0.07087269	0.1121612	17	0.52694577
ENSG00000141580	17	WDR45B	80572438	rs9789075	17	80606079	A	G	0.242545	-0.0058427	0.00936935	0.532889	-0.564754	0.0627196	2.17E-19	0.0103456	0.0166299	0.5338687	0.952035	17	0.87557054
ENSG00000141560	17	FN3KRP	80674559	rs149836885	17	80682753	C	T	0.318091	0.00141152	0.00923431	0.878512	-0.670394	0.0739172	1.20E-19	-0.0021055	0.0137764	0.8785289	0.6798111	20	0.98147823
ENSG00000262410	17	RP11-388C12.8	80702944	rs2252848	17	80699093	G	A	0.638171	0.00070666	0.00828138	0.931998	0.47817	0.0875051	4.64E-08	0.00147784	0.017321	0.9320067	0.4244711	7	0.99333365
ENSG00000141556	17	TBCD	80709940	rs665574	17	80752554	A	T	0.449304	-0.0058183	0.00815681	0.475657	-0.315965	0.0555646	1.30E-08	0.0184143	0.0260179	0.4790955	0.04747202	11	0.85855685
ENSG00000262663	17	RP11-497H17.1	80876158	rs10163476	17	80882218	C	T	0.302187	0.00640326	0.00896534	0.475089	0.574234	0.086455	3.09E-11	0.011151	0.0157027	0.4776235	0.1947394	19	0.85740342
ENSG00000175711	17	B3GNTL1	80900031	rs57923322	17	81009636	G	T	0.229622	0.00156324	0.00869716	0.857356	-0.67653	0.073337	2.84E-20	-0.0023107	0.012858	0.8573823	0.9677094	14	0.97828063
ENSG00000262898	17	AC139099.4	81091900	rs12950942	17	81075573	A	T	0.462227	-0.0024517	0.00828009	0.767157	-0.844491	0.086933	2.62E-22	0.00290317	0.00980938	0.7672619	0.3603926	15	0.95514229
ENSG00000263006	18	ROCK1P1	109065	rs4530213	18	115408	T	G	0.303181	0.00146682	0.00836181	0.860751	1.11356	0.0962621	5.99E-31	0.00131723	0.00750994	0.8607663	0.5028513	20	0.97828063
ENSG00000158270	18	COLEC12	319361	rs2305027	18	334742	T	C	0.493042	-0.0107838	0.00813759	0.185111	0.363412	0.0452999	1.04E-15	-0.0296738	0.0226956	0.1910547	0.2927119	4	0.6894107
ENSG00000079101	18	CLUL1	596988	rs578026	18	597751	G	T	0.313121	0.00150253	0.00848717	0.85948	0.601871	0.0808415	9.69E-14	0.00249643	0.0141053	0.8595198	0.6839769	9	0.97828063
ENSG00000266456	18	RP11-806L2.2	650229	rs2015412	18	590969	T	C	0.298211	-0.0001075	0.00844302	0.989842	0.610851	0.0920501	3.22E-11	-0.000176	0.0138218	0.9898418	0.8934418	9	0.9989377
ENSG00000132199	18	ENOSF1	670324	rs2612083	18	693269	C	A	0.335984	0.0115557	0.00847542	0.172747	0.432397	0.0660533	5.90E-11	0.0267247	0.0200217	0.1819443	0.9796616	4	0.67831927
ENSG00000101596	18	SMCHD1	2655737	rs2000617	18	2762832	G	A	0.228628	-0.0011685	0.00962784	0.903405	-0.402661	0.0476999	3.13E-17	0.00290182	0.023913	0.9034146	0.1677733	18	0.98680672
ENSG00000101577	18	LPIN2	2916992	rs8097136	18	2907398	C	T	0.12326	-0.0052667	0.0107257	0.623403	0.465337	0.0759607	9.01E-10	-0.0113179	0.0231232	0.6245147	0.02851399	16	0.91245153
ENSG00000266513	18	RP11-874J12.3	3770017	rs4089463	18	3779526	T	A	0.531809	0.00382922	0.00827797	0.643665	-0.450196	0.0639025	1.85E-12	-0.0085057	0.0184271	0.6443785	0.5699793	20	0.92078672
ENSG00000231824	18	C18orf42	5145284	rs11664754	18	5169912	T	C	0.250497	-0.029791	0.00938073	0.00149445	-0.348108	0.0569629	9.89E-10	0.0855798	0.0303692	0.00483275	0.6013238	3	0.25644119
ENSG00000263753	18	LINC00667	5232875	rs9948693	18	5247432	T	C	0.387674	0.00299857	0.00830116	0.717933	0.432768	0.064102	1.47E-11	0.00692882	0.019209	0.7183184	0.7167768	17	0.93968224
ENSG00000173482	18	PTPRM	7566780	rs6506535	18	7823203	G	A	0.60835	-0.0025575	0.00822091	0.755725	0.26632	0.0340714	5.43E-15	-0.0096032	0.030893	0.7559122	0.116154	14	0.95258055
ENSG00000168502	18	SOGA2	8705659	rs2004689	18	8807992	G	A	0.323062	0.00538946	0.00890531	0.545048	-0.377455	0.066997	1.76E-08	-0.0142784	0.0237288	0.5473509	0.3697669	5	0.88133611
ENSG00000272788	18	RP11-674N23.4	8801654	rs4797332	18	8801281	A	G	0.694831	-0.0101336	0.00898789	0.259544	-0.553953	0.0862959	1.37E-10	0.0182932	0.0164734	0.2667948	0.8578845	8	0.75218825
ENSG00000154845	18	PPP4R1	9546789	rs7233980	18	9596424	A	G	0.271372	-0.0113219	0.00827907	0.171457	-0.373683	0.0583348	1.50E-10	0.0302981	0.0226546	0.1810932	0.8647304	14	0.67831927
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-0.758311	0.0903882	4.88E-17	0.00578756	0.0140259	0.6798744	0.2504764	15	0.9275455
ENSG00000134265	18	NAPG	10525902	rs653624	18	10553789	A	C	0.514911	-0.0048031	0.0080879	0.552605	-0.77141	0.049734	2.94E-54	0.00622636	0.0104922	0.5528966	0.4966406	20	0.88133611
ENSG00000154889	18	MPPE1	11882621	rs8097892	18	11905953	T	C	0.445328	-0.0233072	0.00836189	0.00531472	-0.84318	0.0627304	3.46E-41	0.027642	0.0101281	0.00634788	0.01445842	13	0.26570111
ENSG00000176014	18	TUBB6	12307668	rs4073975	18	12279075	T	C	0.350895	0.00773555	0.00901022	0.3906	-0.567248	0.056129	5.19E-24	-0.013637	0.0159413	0.3923024	0.9974706	8	0.82527185
ENSG00000141391	18	SLMO1	12407895	rs1977937	18	12437424	T	C	0.152087	0.0190484	0.0141257	0.177501	0.588097	0.0811334	4.21E-13	0.0323899	0.0244315	0.1849239	0.8218104	9	0.68485607
ENSG00000267108	18	RP11-861E21.1	12432896	rs71351485	18	12492916	C	G	0.166004	0.0199119	0.0136004	0.143175	1.35107	0.1264	1.15E-26	0.0147379	0.0101604	0.1469126	0.7400292	20	0.64623597
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-1.14935	0.0910621	1.61E-36	0.00201321	0.00718512	0.7793307	0.439778	20	0.95936656
ENSG00000267336	18	RP11-773H22.2	12912843	rs8090005	18	12898759	A	G	0.0954274	-0.0094459	0.0148176	0.523814	0.838506	0.151264	2.97E-08	-0.0112652	0.0177879	0.5265348	0.05259739	5	0.87557054
ENSG00000101639	18	CEP192	12991361	rs1786984	18	13154354	G	A	0.615308	-0.003968	0.00820648	0.628724	-0.805099	0.0602112	8.90E-41	0.00492861	0.0101998	0.6289488	0.7761703	20	0.91475214
ENSG00000101654	18	RNMT	13726659	rs6505835	18	13691343	T	C	0.742545	0.0136587	0.00934995	0.144062	-0.503087	0.0679321	1.30E-13	-0.0271498	0.0189433	0.1517967	0.6072411	13	0.6516889
ENSG00000175322	18	ZNF519	14057456	rs9958799	18	14132402	C	G	0.229622	0.00025724	0.00989117	0.979252	0.69778	0.0541492	5.38E-38	0.00036865	0.0141752	0.9792522	0.0696107	20	0.99743376
ENSG00000267150	18	RP11-411B10.2	14089934	rs12457432	18	14141923	C	T	0.769384	-0.00262	0.00987092	0.790684	-0.715596	0.0807968	8.24E-19	0.00366123	0.0138002	0.7907761	0.2094563	9	0.96012471
ENSG00000265296	18	FEM1AP2	14391912	rs6505891	18	14419091	C	A	0.761431	-0.0034167	0.00896251	0.703037	-0.589848	0.0793189	1.03E-13	0.00579254	0.0152146	0.7034083	0.1060112	20	0.93781922
ENSG00000141452	18	C18orf8	21083473	rs1788783	18	21161134	T	C	0.473161	-0.0096678	0.0080601	0.230348	0.498224	0.0542472	4.14E-20	-0.0194045	0.016315	0.2342965	0.2168537	20	0.7275513
ENSG00000141458	18	NPC1	21086148	rs12457261	18	21146085	T	C	0.455268	-0.0079639	0.00806552	0.323444	0.411166	0.0579484	1.29E-12	-0.0193692	0.0198052	0.3280836	0.1006949	14	0.79781449
ENSG00000168234	18	TTC39C	21572737	rs8088775	18	21657157	T	G	0.0854871	0.00253575	0.0153384	0.868692	0.843643	0.142083	2.89E-09	0.00300571	0.0181882	0.8687422	0.08943515	6	0.97828063
ENSG00000264745	18	RP11-403A21.2	21574177	rs8097297	18	21575244	C	T	0.204771	-0.0202242	0.0101862	0.0470945	-0.747326	0.112909	3.62E-11	0.0270621	0.0142302	0.05720613	0.4707784	20	0.49855845
ENSG00000154040	18	CABYR	21718942	rs4800553	18	21729634	A	G	0.612326	-0.0020826	0.00809865	0.797057	0.792532	0.075058	4.62E-26	-0.0026278	0.0102217	0.7971159	0.04052586	20	0.96268837
ENSG00000265485	18	RP11-449D8.1	22208146	rs11083084	18	22240395	A	G	0.222664	-0.0141359	0.00970275	0.145144	-0.832523	0.122026	8.95E-12	0.0169796	0.0119174	0.1542228	0.6105897	15	0.65263372
ENSG00000260372	18	AQP4-AS1	24235706	rs232319	18	24500151	C	T	0.527833	0.0009231	0.00811545	0.909439	-0.752391	0.0692633	1.73E-27	-0.0012269	0.0107868	0.9094443	0.3534596	11	0.98753784
ENSG00000154080	18	CHST9	24495595	rs1817608	18	24641955	T	C	0.408549	0.0186362	0.00819875	0.0230229	-0.621091	0.0725607	1.13E-17	-0.0300056	0.0136581	0.02802685	0.2727672	15	0.4027262
ENSG00000141441	18	GAREM	29704840	rs10502593	18	29966528	T	C	0.0367793	0.00902889	0.0166171	0.58689	-1.88786	0.27155	3.60E-12	-0.0047826	0.00882892	0.588027	0.9143297	5	0.89548788
ENSG00000166974	18	MAPRE2	32556892	rs684402	18	32640284	C	T	0.119284	-0.0004723	0.0130867	0.971208	0.325916	0.0566082	8.54E-09	-0.0014493	0.0401544	0.9712087	0.9542861	7	0.99667023
ENSG00000153391	18	INO80C	33032194	rs181423	18	33077092	G	A	0.77336	0.014634	0.00975424	0.133545	-0.523696	0.064031	2.87E-16	-0.0279437	0.0189365	0.140038	0.4560184	19	0.63769788
ENSG00000134759	18	ELP2	33709407	rs592261	18	33752244	A	G	0.360835	-0.0030989	0.00851634	0.715954	-0.289807	0.0498861	6.27E-09	0.0106928	0.0294438	0.7164858	0.8008175	8	0.93968224
ENSG00000134779	18	TPGS2	34359987	rs948636	18	34361762	C	G	0.277336	-0.0124092	0.00919108	0.176973	-0.528513	0.0658608	1.02E-15	0.0234795	0.0176349	0.1830501	0.9997914	20	0.67999672
ENSG00000078142	18	PIK3C3	39535171	rs620052	18	39646964	G	A	0.348907	-0.0011419	0.00823876	0.889769	-0.280858	0.0476713	3.83E-09	0.00406561	0.0293424	0.8897996	0.867157	9	0.9853866
ENSG00000152223	18	EPG5	43427574	rs11082496	18	43476386	C	G	0.550696	0.0104134	0.00807386	0.197131	-0.266282	0.0456382	5.39E-09	-0.0391067	0.0310527	0.2078986	0.9253564	3	0.70786449
ENSG00000270112	18	RP11-742D12.2	44336450	rs60202374	18	44342705	G	C	0.492048	-0.0177736	0.00812199	0.0286451	0.799961	0.0666051	3.13E-33	-0.0222181	0.0103201	0.03132753	0.2082891	20	0.41804706
ENSG00000167216	18	KATNAL2	44497455	rs72907154	18	44418374	A	G	0.0168986	-0.028943	0.0220525	0.189366	-1.22115	0.209931	5.99E-09	0.0237014	0.0185128	0.2004483	0.4642571	11	0.70112374
ENSG00000154839	18	SKA1	47901365	rs1443624	18	47889877	T	C	0.591451	0.00386689	0.00826663	0.639948	-0.444778	0.0772321	8.46E-09	-0.008694	0.0186472	0.6410469	0.8342353	11	0.91908914
ENSG00000141646	18	SMAD4	48494410	rs2202980	18	48519071	G	C	0.392644	-0.0078572	0.00821613	0.338915	0.241383	0.0432029	2.31E-08	-0.0325507	0.0345327	0.3458836	0.9836094	5	0.8110906
ENSG00000101751	18	POLI	51795774	rs3730783	18	51815283	G	A	0.428429	-0.0003246	0.00809063	0.967992	-0.761829	0.0601738	9.79E-37	0.00042614	0.0106201	0.9679925	0.2591171	20	0.99660087
ENSG00000166845	18	C18orf54	51884287	rs1942994	18	51948250	C	T	0.934394	0.00628924	0.0169885	0.711228	1.06295	0.143102	1.10E-13	0.00591678	0.0160022	0.7115712	0.8394941	13	0.93968224
ENSG00000091164	18	TXNL1	54264439	rs658561	18	54290755	C	A	0.196819	-0.0046576	0.00991807	0.638637	0.387633	0.0611636	2.33E-10	-0.0120154	0.0256564	0.6395554	0.1166136	5	0.91799509
ENSG00000091157	18	WDR7	54318574	rs11151973	18	54352594	C	T	0.857853	-0.0131573	0.0125747	0.295409	-0.326938	0.0524364	4.52E-10	0.040244	0.0389999	0.3021183	0.1821585	8	0.77863838
ENSG00000166603	18	MC4R	58038564	rs1430383	18	58199388	T	A	0.200795	0.00317905	0.0116711	0.785324	1.12363	0.101116	1.09E-28	0.00282927	0.0103901	0.7853877	0.1234006	20	0.9600829
ENSG00000101542	18	CDH20	59000815	rs4941017	18	59057335	G	A	0.285288	0.00095786	0.0083435	0.908601	0.289472	0.0408486	1.38E-12	0.00330899	0.0288269	0.908613	0.740141	9	0.98743921
ENSG00000197563	18	PIGN	59710800	rs9958695	18	59858801	G	A	0.353877	-0.0311287	0.00835415	0.00019443	-0.39527	0.0598555	4.01E-11	0.078753	0.0242677	0.00117375	0.6879118	20	0.16825689
ENSG00000134444	18	KIAA1468	59854491	rs9954480	18	59954219	A	G	0.144135	-0.0263818	0.0102944	0.0103853	0.371781	0.0490848	3.61E-14	-0.0709606	0.0292314	0.01520137	0.00026371	20	0.34725322
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.856901	0.0946828	1.43E-19	-0.006097	0.014358	0.6710953	0.917553	7	0.92466627
ENSG00000263720	18	RP11-389J22.1	63532498	rs2046407	18	63539393	A	G	0.707753	-0.0175106	0.00880988	0.0468554	-0.710557	0.0848242	5.44E-17	0.0246435	0.0127428	0.0531235	0.03812515	20	0.49408776
ENSG00000141665	18	FBXO15	71740588	rs9949477	18	71810901	T	C	0.130219	0.0102367	0.0160147	0.522691	-0.720633	0.121834	3.32E-09	-0.0142052	0.0223525	0.5250982	0.1650445	8	0.87483799
ENSG00000166347	18	CYB5A	71920530	rs7238987	18	71928150	T	C	0.133201	0.0085741	0.0106964	0.42279	0.921445	0.0895092	7.47E-25	0.00930506	0.0116434	0.4241928	0.72102	20	0.8444398
ENSG00000133313	18	CNDP2	72163051	rs7241558	18	72169267	T	A	0.210736	0.00321645	0.0104621	0.758511	0.618908	0.0555759	8.35E-29	0.00519698	0.0169106	0.7585989	0.8622793	20	0.95364016
ENSG00000264247	18	LINC00909	72259010	rs7505289	18	72264406	G	A	0.852883	0.00502044	0.0118153	0.670902	-0.480944	0.0739627	7.90E-11	-0.0104387	0.0246193	0.6715616	0.9256174	6	0.92466627
ENSG00000267127	18	RP11-795F19.5	77794346	rs59055346	18	77822552	C	A	0.338966	0.00074078	0.0084717	0.930321	-0.705525	0.084466	6.67E-17	-0.00105	0.0120083	0.9303245	0.1679323	20	0.99191324
ENSG00000101546	18	RBFA	77794358	rs6506797	18	77823905	G	A	0.700795	-0.0001061	0.00934491	0.990943	0.418424	0.0592095	1.59E-12	-0.0002535	0.0223336	0.9909428	0.1426864	20	0.9989377
ENSG00000261126	18	RBFADN	77806900	rs7228169	18	77825898	G	A	0.831014	0.00562314	0.0112816	0.618177	-1.19823	0.0952248	2.61E-36	-0.0046929	0.0094226	0.618453	0.71212	20	0.90945787
ENSG00000267251	18	AC139100.3	77941563	rs11661412	18	77936878	A	C	0.214712	0.00151947	0.0088563	0.863776	0.717354	0.0960231	7.98E-14	0.00211816	0.012349	0.8638116	0.8537508	17	0.97828063
ENSG00000183186	19	C2CD4C	405438	rs10414744	19	419471	C	T	0.713718	0.00515285	0.00923546	0.576883	0.39451	0.0630412	3.90E-10	0.0130614	0.0235028	0.5783903	0.2573459	20	0.89169006
ENSG00000129946	19	SHC2	416583	rs3893730	19	417281	T	C	0.706759	-0.0128292	0.00944403	0.174324	-0.45696	0.0765462	2.38E-09	0.0280751	0.0211954	0.1853092	0.3987901	5	0.68485607
ENSG00000099866	19	MADCAM1	489176	rs7257296	19	490331	C	G	0.027833	0.00890433	0.0364268	0.806887	-1.34887	0.225842	2.33E-09	-0.0066013	0.027028	0.8070449	0.5411471	4	0.96578967
ENSG00000266933	19	AC005775.2	490046	rs3999751	19	488476	C	G	0.440358	-0.0036035	0.00820386	0.66049	-0.83826	0.0826809	3.73E-24	0.00429873	0.00979595	0.6607871	0.2624123	10	0.92466627
ENSG00000099804	19	CDC34	531714	rs7259421	19	535004	C	T	0.382704	-0.015684	0.00834192	0.0600897	0.30334	0.0377134	8.74E-16	-0.0517044	0.0282416	0.06713183	0.3591753	8	0.51528995
ENSG00000197540	19	GZMM	544034	rs6510823	19	533872	C	G	0.83499	0.01972	0.0133661	0.14011	0.686927	0.0817724	4.45E-17	0.0287076	0.0197556	0.1461869	0.00571173	12	0.64463506
ENSG00000267751	19	AC009005.2	567212	rs28915400	19	572004	T	G	0.126243	0.00223306	0.0100169	0.82359	-0.710172	0.128115	2.97E-08	-0.0031444	0.0141163	0.8237307	0.4755746	7	0.96886182
ENSG00000175221	19	MED16	867962	rs1683590	19	869496	G	A	0.287276	0.0114536	0.00977458	0.241287	-0.418166	0.0627838	2.73E-11	-0.0273901	0.0237339	0.2484796	0.1205079	9	0.74249662
ENSG00000116017	19	ARID3A	925781	rs350149	19	933196	C	T	0.791252	0.00522704	0.0111247	0.638455	0.793584	0.0827851	9.15E-22	0.00658662	0.0140351	0.6388584	0.1591919	10	0.91799509
ENSG00000267159	19	AC005391.2	928257	rs350149	19	933196	C	T	0.791252	0.00522704	0.0111247	0.638455	1.00487	0.11164	2.24E-19	0.00520171	0.0110859	0.6389123	0.1817878	8	0.91799509
ENSG00000065268	19	WDR18	983174	rs2240149	19	990819	A	G	0.59841	-0.0056639	0.00817986	0.488673	-0.52502	0.0514784	2.01E-24	0.010788	0.015616	0.4896709	0.1442469	20	0.86252211
ENSG00000116032	19	GRIN3B	1000418	rs73920542	19	1015908	T	C	0.223658	-0.0117402	0.0102608	0.252547	0.727919	0.086077	2.75E-17	-0.0161284	0.0142245	0.256858	0.01992422	20	0.74586579
ENSG00000182087	19	TMEM259	1009647	rs2240160	19	1011215	A	G	0.172962	0.0102974	0.0097719	0.291983	0.381675	0.043925	3.65E-18	0.0269795	0.0257903	0.2955093	0.03288947	19	0.77863838
ENSG00000064666	19	CNN2	1026298	rs4807440	19	1026477	T	G	0.621272	0.0101688	0.00813985	0.211568	-0.371523	0.0573712	9.43E-11	-0.0273706	0.0223134	0.2199561	0.6904785	10	0.72284625
ENSG00000064687	19	ABCA7	1040102	rs11879910	19	1039991	C	T	0.870775	0.0113146	0.0104206	0.277575	-0.784731	0.0892916	1.52E-18	-0.0144184	0.0133802	0.281213	0.5736286	20	0.76652901
ENSG00000180448	19	HMHA1	1065922	rs8103850	19	1077433	A	G	0.328032	-0.0023616	0.00896883	0.792313	-0.647248	0.0713877	1.23E-19	0.00364862	0.0138627	0.7923991	0.1115092	20	0.96044334
ENSG00000099817	19	POLR2E	1086594	rs2238586	19	1088078	T	G	0.754473	0.00241696	0.00911457	0.790875	-0.372352	0.053123	2.40E-12	-0.0064911	0.0244959	0.7910204	0.07450884	16	0.96012471
ENSG00000167468	19	GPX4	1103936	rs4807542	19	1104078	A	G	0.185885	0.0195813	0.0095159	0.0396141	0.565705	0.0621727	9.12E-20	0.034614	0.0172461	0.04474328	0.7277907	20	0.46349438
ENSG00000064932	19	SBNO2	1107636	rs873289	19	1175396	G	A	0.505964	0.0060352	0.00807463	0.454806	0.339564	0.0617848	3.89E-08	0.0177734	0.0239983	0.45893	0.7775352	5	0.85652208
ENSG00000228300	19	C19orf24	1275026	rs4807050	19	1271529	T	C	0.785288	0.00272193	0.0102253	0.790089	0.358062	0.056196	1.87E-10	0.00760184	0.0285823	0.7902672	0.09556385	3	0.96012471
ENSG00000160953	19	MUM1	1285890	rs2668418	19	1366422	G	C	0.720676	0.00793379	0.0083092	0.339668	-0.589881	0.0775591	2.84E-14	-0.0134498	0.0141968	0.3434435	0.8698422	7	0.81053309
ENSG00000115286	19	NDUFS7	1383526	rs2074898	19	1391361	G	A	0.61829	0.00267045	0.00809618	0.74152	0.269321	0.0463694	6.32E-09	0.00991549	0.0301099	0.7419213	0.8056663	5	0.94621977
ENSG00000115266	19	APC2	1446300	rs3894776	19	1457370	T	C	0.582505	-0.0003327	0.00854577	0.968943	0.775466	0.0568029	1.97E-42	-0.0004291	0.0110202	0.9689432	0.1140104	15	0.99660087
ENSG00000267317	19	CTB-25B13.12	1457664	rs791459	19	1454042	C	T	0.642147	0.00844804	0.00880654	0.337412	0.587872	0.0842658	3.03E-12	0.0143705	0.0151213	0.3419348	0.1630643	7	0.80972215
ENSG00000115257	19	PCSK4	1481427	rs791470	19	1490703	A	G	0.37674	-0.0065759	0.00833822	0.43032	-0.516783	0.0650064	1.87E-15	0.0127247	0.0162141	0.4325755	0.632685	10	0.849086
ENSG00000185988	19	PLK5	1524073	rs2332497	19	1520582	T	G	0.326044	-0.0045481	0.00917173	0.619978	0.630643	0.0715534	1.21E-18	-0.0072119	0.0145665	0.6205292	0.7097437	13	0.91050114
ENSG00000079313	19	REXO1	1815248	rs8107742	19	1809836	C	T	0.808151	-0.0050327	0.00942444	0.593338	-0.34076	0.0579118	4.00E-09	0.014769	0.0277708	0.5948509	0.9278541	6	0.8982887
ENSG00000227500	19	SCAMP4	1905213	rs35608810	19	1908814	A	C	0.0596421	0.00765882	0.0188658	0.684769	-0.610546	0.0941075	8.71E-11	-0.0125442	0.0309603	0.685352	0.6505414	8	0.92972536
ENSG00000133243	19	BTBD2	1985447	rs11669527	19	1987279	T	C	0.247515	0.00166924	0.0111016	0.88048	0.322905	0.053515	1.60E-09	0.00516945	0.0343911	0.8805172	0.5116414	9	0.98191477
ENSG00000267283	19	AC005306.3	1989400	rs35247474	19	1988147	T	C	0.293241	0.001845	0.00875797	0.833148	0.365288	0.06063	1.69E-09	0.00505081	0.0239902	0.8332489	0.8929624	5	0.97259615
ENSG00000104885	19	DOT1L	2164148	rs75613123	19	2223275	T	C	0.0516899	-0.0102597	0.0162455	0.527689	0.77904	0.103072	4.09E-14	-0.0131697	0.0209259	0.5291213	0.06202908	20	0.87557054
ENSG00000104897	19	SF3A2	2236520	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	0.401554	0.0725799	3.16E-08	-0.0398218	0.02786	0.1529028	0.5212633	4	0.65219838
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	1.1571	0.104436	1.58E-28	-0.0138195	0.00942308	0.1424946	0.7454819	11	0.63998794
ENSG00000130332	19	LSM7	2321516	rs12976273	19	2326902	A	G	0.617296	-0.0014033	0.00818766	0.863914	0.457616	0.0498425	4.26E-20	-0.0030666	0.0178951	0.863938	0.02988778	20	0.97828063
ENSG00000005206	19	SPPL2B	2328614	rs10402757	19	2353372	C	T	0.637177	0.00031396	0.00821818	0.969525	-0.228849	0.0381725	2.03E-09	-0.0013719	0.0359117	0.9695262	0.6493262	9	0.99660087
ENSG00000178297	19	TMPRSS9	2389769	rs730960	19	2360806	A	G	0.616302	-0.001785	0.00817266	0.827107	0.576062	0.0952145	1.45E-09	-0.0030987	0.0141964	0.8272177	0.5199273	7	0.96886182
ENSG00000099800	19	TIMM13	2425622	rs12459733	19	2419249	C	T	0.427435	0.0199918	0.00808367	0.0133943	0.317081	0.046382	8.13E-12	0.0630495	0.027111	0.02003943	0.0585459	9	0.35949739
ENSG00000172009	19	THOP1	2785458	rs1736193	19	2785273	C	G	0.234592	0.0103908	0.00905197	0.251007	0.390123	0.0483907	7.51E-16	0.0266347	0.0234369	0.2557713	0.5993772	13	0.74586579
ENSG00000172006	19	ZNF554	2819872	rs2537856	19	2820105	A	G	0.299205	0.00032284	0.00884937	0.970899	0.429161	0.056476	2.98E-14	0.00075225	0.0206204	0.9708989	0.2169489	10	0.99667023
ENSG00000060558	19	GNA15	3136191	rs170159	19	3149990	C	G	0.765408	-0.0017659	0.0097744	0.856629	-1.37224	0.0903974	4.79E-52	0.00128688	0.00712346	0.8566391	0.4457445	19	0.97828063
ENSG00000125912	19	NCLN	3185561	rs11551095	19	3186085	T	G	0.531809	0.0095068	0.00806527	0.238504	-0.379875	0.0484896	4.72E-15	-0.0250261	0.0214704	0.243771	0.9470837	18	0.73716233
ENSG00000105325	19	FZR1	3506271	rs2286545	19	3526699	C	T	0.446322	-0.0204674	0.00806382	0.0111429	-0.498393	0.0506649	7.80E-23	0.0410668	0.0167095	0.01398362	0.9637735	20	0.34725322
ENSG00000161091	19	MFSD12	3538259	rs2369190	19	3534268	C	T	0.447316	-0.0203504	0.00806539	0.01163	-0.51495	0.0610839	3.45E-17	0.0395192	0.016349	0.01563919	0.9151376	20	0.34725322
ENSG00000183397	19	C19orf71	3539152	rs2286545	19	3526699	C	T	0.446322	-0.0204674	0.00806382	0.0111429	-0.689792	0.0644573	1.00E-26	0.0296718	0.0120145	0.01352403	0.9544812	20	0.34431634
ENSG00000186111	19	PIP5K1C	3630181	rs59731858	19	3670881	A	G	0.214712	-0.020268	0.0097228	0.0371074	0.369433	0.062797	4.03E-09	-0.0548625	0.0279216	0.0494284	0.1390035	14	0.48387846
ENSG00000183617	19	MRPL54	3762662	rs4807507	19	3763575	C	G	0.628231	0.00024717	0.00837145	0.976445	0.680462	0.0566098	2.78E-33	0.00036324	0.0123026	0.9764455	0.8737026	13	0.99743145
ENSG00000126934	19	MAP2K2	4090319	rs10405472	19	4120467	A	G	0.531809	-0.0087236	0.00811193	0.282193	-0.233471	0.0405548	8.57E-09	0.0373649	0.0353459	0.2904572	0.6279563	4	0.77388729
ENSG00000077463	19	SIRT6	4174106	rs350844	19	4177051	G	A	0.870775	0.0167122	0.0117837	0.156118	-1.02097	0.0843013	9.24E-34	-0.0163689	0.0116205	0.1589471	0.02278341	9	0.65838318
ENSG00000089847	19	ANKRD24	4183351	rs2159983	19	4186395	G	T	0.136183	-0.0172705	0.0117083	0.140195	0.572801	0.0844637	1.19E-11	-0.030151	0.0209184	0.1494821	0.3528066	6	0.64835856
ENSG00000105248	19	CCDC94	4247076	rs56334923	19	4255502	C	G	0.256461	0.0171711	0.00911605	0.059617	0.58685	0.0594806	5.83E-23	0.0292598	0.0158144	0.06428541	0.5610677	20	0.50845953
ENSG00000105251	19	SHD	4278598	rs7259795	19	4256313	C	T	0.265408	0.017236	0.00911842	0.0587259	0.758027	0.0881633	8.11E-18	0.022738	0.0123164	0.0648702	0.3525996	15	0.50845953
ENSG00000178078	19	STAP2	4324040	rs1138253	19	4325433	A	G	0.429423	0.0219993	0.00814212	0.00689414	0.524245	0.0703554	9.24E-14	0.0419638	0.0165207	0.01108272	0.1174274	16	0.31487106
ENSG00000267980	19	AC007292.6	4363786	rs62129354	19	4396505	A	G	0.241551	-0.0024087	0.0108955	0.825032	-0.694397	0.0795048	2.46E-18	0.00346882	0.0156956	0.8250879	0.01736521	14	0.96886182
ENSG00000167670	19	CHAF1A	4402659	rs78869060	19	4444742	G	A	0.264414	-0.0126361	0.0102219	0.216392	-0.810042	0.0848916	1.40E-21	0.0155993	0.0127244	0.2202234	0.00493441	12	0.72284625
ENSG00000167671	19	UBXN6	4444996	rs376623	19	4444494	T	G	0.277336	-0.0129276	0.00856018	0.130991	0.337516	0.0521015	9.29E-11	-0.0383022	0.0260424	0.1413549	0.04068577	5	0.63973458
ENSG00000267769	19	CTB-50L17.9	4454011	rs62130979	19	4432444	C	T	0.244533	-0.004454	0.0107759	0.679365	-1.158	0.0821564	4.07E-45	0.00384628	0.00930961	0.6794958	0.02134232	20	0.9275455
ENSG00000142002	19	DPP9	4675236	rs8101703	19	4717187	A	G	0.759443	0.0106267	0.00857026	0.214993	-0.425341	0.0609976	3.10E-12	-0.024984	0.0204652	0.2221617	0.2216263	5	0.72284625
ENSG00000176840	19	MIR7-3HG	4769117	rs879563	19	4768948	A	G	0.373757	-0.0106376	0.00841927	0.206417	-0.706822	0.0691272	1.53E-24	0.0150499	0.012002	0.2098619	0.1870621	20	0.70981777
ENSG00000141965	19	FEM1A	4791728	rs4488586	19	4798223	T	C	0.574553	0.0156768	0.00818969	0.055593	0.376385	0.0665872	1.58E-08	0.041651	0.0229726	0.06982114	0.2042469	8	0.52255701
ENSG00000196365	19	LONP1	5691845	rs35335072	19	5708720	T	C	0.350895	-0.0018192	0.0083846	0.828231	-0.739182	0.0569613	1.65E-38	0.00246111	0.0113447	0.828255	0.5961494	20	0.96940642
ENSG00000141994	19	DUS3L	5784843	rs2446196	19	5794240	C	A	0.194831	-0.0043229	0.00971421	0.656318	-0.556316	0.0565882	8.28E-23	0.00777049	0.0174796	0.6566468	0.6930651	11	0.92318646
ENSG00000174886	19	NDUFA11	5891287	rs72989070	19	5895358	T	C	0.185885	-0.0081055	0.00977273	0.406877	-0.445353	0.0645914	5.39E-12	0.0182002	0.022102	0.4102434	0.1727751	11	0.83688257
ENSG00000105519	19	CAPS	5911718	rs74174355	19	5915151	T	C	0.0884692	0.00064542	0.0166049	0.968995	0.669493	0.11244	2.61E-09	0.00096404	0.0248027	0.9689954	0.272322	13	0.99660087
ENSG00000125656	19	CLPP	6361463	rs1049343	19	6368874	G	C	0.0168986	0.0500154	0.0315739	0.113176	0.828102	0.112369	1.71E-13	0.0603976	0.0389989	0.1214537	0.5522637	4	0.62859148
ENSG00000181240	19	SLC25A41	6426048	rs2860181	19	6436305	T	C	0.487078	-0.017558	0.00829139	0.0342074	-0.560111	0.0615636	9.19E-20	0.0313474	0.0151988	0.0391613	0.2733043	18	0.44087342
ENSG00000125648	19	SLC25A23	6436090	rs2860181	19	6436305	T	C	0.487078	-0.017558	0.00829139	0.0342074	0.462098	0.0716143	1.10E-10	-0.0379963	0.0188845	0.04421598	0.3047211	9	0.46349438
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.865454	0.0638679	7.85E-42	-0.0047875	0.00965847	0.620122	0.05762587	16	0.91031887
ENSG00000268758	19	EMR4P	6952511	rs2055095	19	7002799	A	G	0.593439	0.00523849	0.00827301	0.526601	-0.5827	0.0897424	8.41E-11	-0.00899	0.0142651	0.5285554	0.8758512	4	0.87557054
ENSG00000171105	19	INSR	7112266	rs1799815	19	7125519	A	G	0.0526839	0.0309387	0.0160179	0.0534208	-0.703562	0.0976318	5.75E-13	-0.0439744	0.0235705	0.06208964	0.1739595	5	0.50845953
ENSG00000032444	19	PNPLA6	7598890	rs574930	19	7607441	T	C	0.375746	-0.0069397	0.00895064	0.438144	-0.232284	0.042487	4.57E-08	0.029876	0.0389187	0.442695	0.9850794	3	0.85417294
ENSG00000181029	19	TRAPPC5	7745729	rs4804802	19	7807610	G	A	0.885686	-0.003083	0.0116376	0.791072	0.713005	0.0889103	1.06E-15	-0.004324	0.0163308	0.7911839	0.4249991	5	0.96012471
ENSG00000090659	19	CD209	7804879	rs4804802	19	7807610	G	A	0.885686	-0.003083	0.0116376	0.791072	1.17466	0.134736	2.83E-18	-0.0026246	0.00991178	0.7911668	0.4007332	10	0.96012471

ENSG00000104938	19	CLEC4M	7828035	rs868875	19	7831166	G	A	0.294235	0.0145598	0.00874671	0.0959909	-0.579346	0.0834076	3.76E-12	-0.0251314	0.0155251	0.1054974	0.1529899	8	0.60570888
ENSG00000268297	19	CLEC4GP1	7852435	rs4804802	19	7807610	G	A	0.885686	-0.003083	0.0116376	0.791072	1.22863	0.125977	1.79E-22	-0.0025093	0.00947551	0.7911479	0.4806673	5	0.96012471
ENSG00000142459	19	EVI5L	7895119	rs11671002	19	7925136	G	C	0.343936	0.018519	0.00807919	0.0218948	0.350045	0.0418198	5.75E-17	0.0529046	0.0239302	0.02705052	0.2382422	20	0.40033671
ENSG00000104980	19	TIMM44	7991603	rs12980612	19	8013906	G	A	0.0854871	-0.020085	0.0157661	0.202686	1.49541	0.109662	2.43E-42	-0.0134311	0.0105889	0.2046505	0.2468314	12	0.70612127
ENSG00000233927	19	RPS28	8386042	rs2972572	19	8390313	G	A	0.535785	0.00852923	0.00808756	0.291603	-0.510136	0.0412277	3.63E-35	-0.0167195	0.0159112	0.2933499	0.7774603	15	0.77761764
ENSG00000186994	19	KANK3	8387468	rs2972578	19	8396513	G	A	0.188867	0.00388825	0.0103736	0.707794	0.527235	0.0618826	1.60E-17	0.0073748	0.0196945	0.7080625	0.2725473	7	0.93930081
ENSG00000099785	19	2-Mar	8478154	rs17160520	19	8548589	A	G	0.284294	0.0288944	0.00953741	0.00244889	0.506116	0.0565628	3.62E-19	0.0570905	0.0198952	0.00411035	0.02813105	20	0.24093313
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.63365	0.181268	2.02E-19	-0.0156125	0.00877335	0.07515241	0.9539008	7	0.54120471
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.08379	0.104348	2.86E-25	0.00260605	0.0159701	0.8703743	0.7570112	11	0.97828063
ENSG00000188629	19	ZNF177	9435021	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.24028	0.141014	1.42E-18	0.00227724	0.0139558	0.8703806	0.9137529	10	0.97828063
ENSG00000270614	19	CTC-325H20.7	9458782	rs7252865	19	9412535	T	C	0.550696	0.00161181	0.00809808	0.842235	-0.610157	0.0689814	9.13E-19	-0.0026416	0.0132755	0.8422739	0.9099151	20	0.97564033
ENSG00000174652	19	ZNF266	9523272	rs8108483	19	9545030	T	C	0.558648	0.00163106	0.00810334	0.840478	1.03887	0.0557753	1.98E-77	0.00157003	0.0078006	0.8404869	0.8649279	20	0.9750266
ENSG00000171469	19	ZNF561	9715356	rs13346825	19	9848809	C	G	0.154076	-0.0002929	0.0104079	0.977552	-0.511018	0.0668421	2.09E-14	0.00057309	0.0203671	0.977552	0.1852289	5	0.99743145
ENSG00000196605	19	ZNF846	9862669	rs75764500	19	10020385	T	C	0.0447316	0.0165057	0.0233952	0.48049	0.760762	0.134556	1.57E-08	0.0216963	0.0309908	0.483873	0.4251346	3	0.86066122
ENSG00000105088	19	OLFM2	9964394	rs1559186	19	10106936	C	G	0.322068	0.00535594	0.00902927	0.553064	0.343469	0.047568	5.18E-13	0.0155937	0.026377	0.5543973	0.2511653	11	0.88133611
ENSG00000080573	19	COL5A3	10070237	rs2010448	19	10103583	T	C	0.332008	0.00701436	0.00878781	0.424759	-0.489276	0.0564821	4.62E-18	-0.0143362	0.0180369	0.4267153	0.09604669	13	0.84621236
ENSG00000220201	19	ZGLP1	10415479	rs75231016	19	10420982	C	G	0.0934394	0.00282269	0.0144258	0.844869	-0.446259	0.0674496	3.69E-11	-0.0063252	0.0323402	0.8449357	0.6140381	6	0.97638016
ENSG00000105397	19	TYK2	10461209	rs280497	19	10464687	G	A	0.517893	0.00404333	0.00811017	0.618096	0.330523	0.0421966	4.77E-15	0.0122331	0.024587	0.6188056	0.3954351	18	0.90957203
ENSG00000129347	19	KRI1	10663761	rs1465701	19	10678842	C	T	0.777336	-0.0143817	0.0094741	0.129015	0.705835	0.0709167	2.45E-23	-0.0203754	0.0135778	0.1334465	0.1219735	19	0.63721248
ENSG00000129355	19	CDKN2D	10677138	rs892081	19	10680684	T	G	0.176938	0.0183553	0.0105572	0.0820956	-0.333594	0.053354	4.04E-10	-0.0550229	0.0328476	0.09391573	0.3806705	11	0.58914688
ENSG00000197256	19	KANK2	11274943	rs7187	19	11275258	G	A	0.318091	-0.0129319	0.00889674	0.146068	0.24886	0.0402682	6.41E-10	-0.0519646	0.0367255	0.1570847	0.09855762	5	0.6570401
ENSG00000105520	19	DKFZP761J1410	11466062	rs3745690	19	11466151	C	T	0.45328	0.0304855	0.00826518	0.00022565	-0.246201	0.0410852	2.07E-09	-0.123824	0.0394205	0.00168314	0.5036199	5	0.17315773
ENSG00000130175	19	PRKCSH	11546109	rs8616	19	11561629	C	T	0.100398	0.0102526	0.0146479	0.483966	0.384042	0.0598976	1.44E-10	0.0266966	0.038368	0.4865524	0.2596432	12	0.86252211
ENSG00000267500	19	CTD-2006C1.6	11759179	rs17001496	19	11773076	A	G	0.23161	0.0210867	0.0100988	0.0367934	-0.474746	0.0793245	2.17E-09	-0.0444168	0.0225295	0.048667	0.09727266	4	0.4810399
ENSG00000267343	19	CTC-499B15.4	11793361	rs17001496	19	11773076	A	G	0.23161	0.0210867	0.0100988	0.0367934	-0.792826	0.0769444	6.77E-25	-0.0265969	0.0129966	0.04071272	0.2875448	20	0.44615831
ENSG00000197054	19	ZNF763	12035890	rs440409	19	12105409	G	A	0.0646123	-0.015796	0.0165823	0.340802	-0.777331	0.116751	2.78E-11	0.0203208	0.0215496	0.3456914	0.9196371	9	0.8110906
ENSG00000219665	19	CTD-2006C1.2	12098432	rs113033627	19	12166369	C	T	0.0377734	-0.0167174	0.0175591	0.341065	-1.17784	0.171374	6.29E-12	0.0141933	0.0150502	0.3456504	0.5586404	9	0.8110906
ENSG00000214189	19	ZNF788	12203078	rs11670621	19	12189379	T	C	0.488072	0.009183	0.00808745	0.256181	-0.654334	0.061269	1.27E-26	-0.0140341	0.0124295	0.258856	0.1007678	20	0.74586579
ENSG00000132010	19	ZNF20	12203658	rs73002487	19	12366030	C	T	0.133201	-0.0027828	0.0112328	0.804336	0.478188	0.0846033	1.58E-08	-0.0058195	0.0235129	0.8045204	0.3415159	4	0.96495736
ENSG00000242852	19	ZNF709	12571998	rs12982475	19	12550466	G	A	0.471173	0.00546986	0.00807167	0.497987	0.424097	0.0629698	1.64E-11	0.0128977	0.0191287	0.500148	0.966734	6	0.86521828
ENSG00000269560	19	CTD-2192J16.21	12640582	rs7252992	19	12641060	T	A	0.700795	0.0151389	0.00925534	0.101905	-0.860527	0.0909709	3.10E-21	-0.0175926	0.010915	0.107011	0.8363769	8	0.60962213
ENSG00000213290	19	PGK1P2	12670385	rs2059850	19	12664147	A	C	0.647117	0.00456166	0.00824773	0.580208	-0.691125	0.087076	2.07E-15	-0.0066003	0.0119627	0.5811246	0.9521701	18	0.89290364
ENSG00000104774	19	MAN2B1	12757325	rs73002392	19	12768391	A	G	0.683897	0.00676803	0.00837004	0.418744	0.358386	0.0558967	1.44E-10	0.0188847	0.0235398	0.4224101	0.7349128	7	0.84331458
ENSG00000105612	19	DNASE2	12986025	rs8113575	19	13030280	A	G	0.684891	-0.0077034	0.0087521	0.378763	-0.506496	0.0693671	2.84E-13	0.0152092	0.0174048	0.3821993	0.6357617	11	0.82033551
ENSG00000105607	19	GCDH	13001840	rs8012	19	13010520	G	A	0.521869	-0.0028336	0.00806037	0.72518	0.933678	0.0611302	1.15E-52	-0.0030349	0.00863521	0.7252505	0.1005696	20	0.94070655
ENSG00000240616	19	AD000092.3	13004947	rs8012	19	13010520	G	A	0.521869	-0.0028336	0.00806037	0.72518	0.644381	0.0751602	1.00E-17	-0.0043974	0.0125192	0.7254021	0.2027784	14	0.94070655
ENSG00000179284	19	DAND5	13075973	rs11667602	19	13076121	C	A	0.781312	-0.0122245	0.0095645	0.201212	0.691413	0.079398	3.09E-18	-0.0176805	0.0139815	0.2060277	0.5159776	7	0.70730227
ENSG00000037757	19	MRI1	13875346	rs62111897	19	13879344	A	G	0.0248509	-0.0060855	0.0169117	0.718969	1.78207	0.185454	7.31E-22	-0.0034148	0.00949657	0.7191564	0.8800133	6	0.93968224
ENSG00000132016	19	C19orf57	13993161	rs7245892	19	13990771	C	T	0.212724	0.00249152	0.0103533	0.809827	-0.588872	0.0759293	8.80E-15	-0.004231	0.01759	0.8099163	0.5920478	10	0.96594546
ENSG00000132000	19	PODNL1	14042000	rs74933767	19	14049191	A	G	0.171968	0.00367274	0.0116168	0.751883	-0.771065	0.093914	2.21E-16	-0.0047632	0.0150771	0.7520606	0.2776807	7	0.95230783
ENSG00000141854	19	hsa-mir-1199	14183348	rs6511913	19	14195483	A	G	0.378728	0.00406404	0.00830141	0.624446	0.286842	0.0461182	4.98E-10	0.0141682	0.0290302	0.6255139	0.315528	5	0.91291707
ENSG00000123143	19	PKN1	14543865	rs2230539	19	14580328	G	A	0.0775348	0.0161315	0.0140019	0.249282	0.577917	0.0763895	3.87E-14	0.0279132	0.0245075	0.2547187	0.9303994	5	0.74586579
ENSG00000160961	19	ZNF333	14800613	rs7250227	19	14800350	C	A	0.290258	-0.0155433	0.00941953	0.0989191	0.506439	0.0595944	1.93E-17	-0.0306914	0.0189469	0.1052625	0.7555511	14	0.60570888
ENSG00000186529	19	CYP4F3	15751707	rs2176919	19	15769965	C	A	0.417495	-0.0077542	0.00869816	0.372676	-0.483223	0.081267	2.75E-09	0.0160468	0.0182015	0.3779828	0.1864297	10	0.82033551
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.069	0.0693917	1.51E-53	0.00526022	0.00764065	0.4911689	0.756662	20	0.86252211
ENSG00000268673	19	LLNLR-249E10.1	15871185	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	0.737479	0.092462	1.51E-15	-0.0076249	0.0111055	0.4923466	0.7422233	17	0.86291915
ENSG00000186115	19	CYP4F2	15988833	rs3093184	19	15994730	G	A	0.713718	0.00097383	0.00864597	0.910321	-0.717655	0.105283	9.33E-12	-0.001357	0.0120492	0.9103331	0.2293098	20	0.98753784
ENSG00000267056	19	AC005336.4	16021392	rs3810428	19	16046478	T	G	0.261431	-0.0049636	0.00916883	0.588261	-0.358195	0.0630727	1.35E-08	0.0138573	0.0257134	0.5899455	0.4836917	4	0.89548788
ENSG00000167460	19	TPM4	16177831	rs11666147	19	16197432	T	C	0.082505	0.00308204	0.0152259	0.839588	-0.618579	0.105451	4.46E-09	-0.0049825	0.024629	0.8396818	0.2356295	3	0.97484049
ENSG00000167461	19	RAB8A	16222439	rs2241400	19	16240727	C	T	0.649105	-0.0128897	0.00828559	0.119786	0.446163	0.077788	9.72E-09	-0.0288901	0.0192417	0.1332444	0.8804958	4	0.63721248
ENSG00000072958	19	AP1M1	16308389	rs12976737	19	16350636	G	A	0.702783	0.00035406	0.00852398	0.966868	0.449222	0.0585568	1.70E-14	0.00078817	0.0189753	0.9668681	0.2350903	20	0.99660087
ENSG00000105072	19	C19orf44	16607122	rs9989671	19	16608211	G	A	0.841948	0.0105515	0.00989169	0.286103	0.839792	0.0952131	1.14E-18	0.0125644	0.0118646	0.2896057	0.4442881	15	0.77325335
ENSG00000127526	19	SLC35E1	16660642	rs1020723	19	16727129	G	A	0.0994036	0.0128362	0.0130973	0.327053	-0.60478	0.0875371	4.89E-12	-0.0212246	0.0218731	0.3318721	0.4369378	6	0.79969754
ENSG00000269044	19	CTC-429P9.3	16744614	rs116911068	19	16788607	C	G	0.0606362	0.0176259	0.0172274	0.306246	-0.716257	0.129922	3.53E-08	-0.0246083	0.0244627	0.3144373	0.5445763	7	0.78585941
ENSG00000099330	19	OCEL1	17337013	rs10426800	19	17337447	T	C	0.107356	0.00017741	0.0156761	0.99097	-1.08499	0.0905433	4.36E-33	-0.0001635	0.0144482	0.9909703	0.7907286	19	0.9989377
ENSG00000130312	19	MRPL34	17403418	rs8100232	19	17422951	A	G	0.426441	-0.001116	0.00826322	0.892566	0.406716	0.0476572	1.41E-17	-0.002744	0.0203195	0.8925788	0.1168001	7	0.98597578
ENSG00000130304	19	SLC27A1	17579578	rs34761413	19	17588464	G	C	0.414513	-0.0107383	0.0084412	0.203326	-0.436736	0.0490164	5.10E-19	0.0245876	0.0195239	0.2079009	0.6646827	20	0.70786449
ENSG00000269752	19	CTD-3149D2.3	17724531	rs2287851	19	17728502	C	T	0.492048	-0.0077588	0.00825992	0.347562	-0.435154	0.0593948	2.36E-13	0.01783	0.019137	0.3514904	0.7710307	15	0.81376292
ENSG00000130475	19	FCHO1	17858527	rs265548	19	17902334	C	T	0.534791	-0.0049299	0.00819406	0.547412	-0.484674	0.0628569	1.25E-14	0.0101716	0.0169577	0.5486262	0.4200806	6	0.88133611
ENSG00000248099	19	INSL3	17927321	rs265546	19	17902704	A	G	0.452286	-0.0087503	0.00810706	0.280434	-0.64179	0.0789775	4.43E-16	0.0136342	0.0127429	0.2846428	0.2246878	5	0.76860281
ENSG00000105639	19	JAK3	17935589	rs265548	19	17902334	C	T	0.534791	-0.0049299	0.00819406	0.547412	-0.730634	0.0631148	5.44E-31	0.00674743	0.0112301	0.5479517	0.2620849	10	0.88133611
ENSG00000105641	19	SLC5A5	17982782	rs78990594	19	18020447	A	G	0.153082	-0.0172471	0.0103074	0.0942736	0.64045	0.108442	3.51E-09	-0.0269297	0.0167275	0.1074184	0.6522996	9	0.60962213
ENSG00000130518	19	KIAA1683	18367908	rs7247222	19	18392873	A	C	0.640159	0.0137146	0.00853549	0.108103	-0.537988	0.0529515	2.99E-24	-0.0254924	0.0160628	0.1125014	0.9747201	20	0.6163049
ENSG00000130517	19	PGPEP1	18451397	rs7251555	19	18451381	T	A	0.287276	-0.0008136	0.0081361	0.920349	-0.538248	0.0623101	5.71E-18	0.00151149	0.0151169	0.9203547	0.2052697	9	0.98902325
ENSG00000006016	19	CRLF1	18683030	rs11668587	19	18829770	G	A	0.354871	0.00571245	0.0081146	0.481451	-0.66584	0.0922531	5.29E-13	-0.0085793	0.0122448	0.4835233	0.9060872	10	0.86066122
ENSG00000167487	19	KLHL26	18747775	rs11668587	19	18829770	G	A	0.354871	0.00571245	0.0081146	0.481451	-0.433901	0.0648028	2.15E-11	-0.0131653	0.0188046	0.4838567	0.8789751	11	0.86066122
ENSG00000105662	19	CRTC1	18794487	rs12460629	19	18836741	A	G	0.214712	0.00498192	0.00926609	0.590818	-0.458238	0.0756843	1.41E-09	-0.0108719	0.0203007	0.5922742	0.727316	10	0.89740134
ENSG00000105664	19	COMP	18893583	rs77275938	19	18884838	A	T	0.167992	-0.0104009	0.013278	0.43344	0.886872	0.110003	7.49E-16	-0.0117276	0.0150422	0.4355986	0.3870479	12	0.85077588
ENSG00000223802	19	CERS1	18979361	rs4808164	19	18989455	G	A	0.898608	0.0035806	0.0122537	0.770128	0.582859	0.075398	1.07E-14	0.00614317	0.0210385	0.7702888	0.07240878	7	0.9559394
ENSG00000105669	19	COPE	19010323	rs2074798	19	19017572	C	T	0.658052	0.00676443	0.00819084	0.408888	0.279934	0.0393155	1.08E-12	0.0241644	0.0294561	0.4120147	0.1128305	8	0.83688257
ENSG00000213999	19	MEF2B	19256377	rs2239370	19	19292674	C	T	0.526839	-0.0111715	0.00827139	0.176819	-0.538584	0.0593258	1.10E-19	0.0207424	0.0155267	0.1815767	0.3720792	16	0.67831927
ENSG00000254901	19	MEF2BNB	19287712	rs2238669	19	19290115	T	C	0.373757	-0.0163565	0.00813612	0.0443936	0.305563	0.0494464	6.42E-10	-0.0535291	0.0280002	0.05590966	0.3010704	7	0.49855845
ENSG00000130287	19	NCAN	19322782	rs56007657	19	19316338	C	T	0.116302	0.027225	0.0146956	0.0639411	-0.605233	0.080804	6.88E-14	-0.0449827	0.0250126	0.07211328	0.7991366	13	0.52783538
ENSG00000187664	19	HAPLN4	19366450	rs56212061	19	19394640	T	C	0.16004	-0.0050478	0.0137808	0.714149	0.290229	0.0470712	7.02E-10	-0.0173923	0.0475662	0.7146302	0.09511532	20	0.93968224
ENSG00000213996	19	TM6SF2	19375173	rs3764567	19	19440066	T	C	0.673956	-0.0065489	0.00929388	0.481029	-0.569394	0.0730116	6.26E-15	0.0115016	0.0163889	0.4828103	0.7693436	19	0.86066122
ENSG00000250067	19	YJEFN3	19627036	rs8113682	19	19743730	G	T	0.765408	-0.0177629	0.0109462	0.104643	0.402318	0.0579312	3.79E-12	-0.0441514	0.0279407	0.1140655	0.2296892	20	0.61794187
ENSG00000105717	19	PBX4	19672522	rs8113682	19	19743730	G	T	0.765408	-0.0177629	0.0109462	0.104643	-0.561005	0.102253	4.10E-08	0.0316626	0.0203474	0.1196828	0.6523633	3	0.62616883
ENSG00000181896	19	ZNF101	19779605	rs11669761	19	19812865	C	T	0.293241	-0.0007617	0.0103326	0.941237	0.585998	0.0796792	1.92E-13	-0.0012998	0.0176334	0.9412398	0.3852106	17	0.99338916
ENSG00000256771	19	ZNF253	19976695	rs60745231	19	19976988	A	G	0.237575	-0.0031128	0.00898983	0.729149	-0.451578	0.0496161	8.91E-20	0.00689318	0.019922	0.7293361	0.180228	20	0.94229089
ENSG00000270270	19	CTC-559E9.10	19981532	rs60745231	19	19976988	A	G	0.237575	-0.0031128	0.00898983	0.729149	0.56862	0.0895935	2.20E-10	-0.0054743	0.0158334	0.7295345	0.2337394	9	0.94229089
ENSG00000267565	19	CTC-559E9.8	20003242	rs60745231	19	19976988	A	G	0.237575	-0.0031128	0.00898983	0.729149	-0.472502	0.0777826	1.24E-09	0.00658793	0.0190569	0.7295698	0.1832234	20	0.94229089
ENSG00000184635	19	ZNF93	20011722	rs1048421	19	20046147	A	G	0.243539	0.00590171	0.00965194	0.5409	0.637169	0.0928151	6.65E-12	0.00926239	0.0152081	0.5424965	0.5150525	11	0.87848534
ENSG00000197124	19	ZNF682	20107867	rs8106159	19	20136378	T	C	0.789264	-0.0118942	0.00970148	0.220194	-0.463394	0.0685299	1.36E-11	0.0256676	0.021277	0.2276823	0.8845137	20	0.7275513
ENSG00000231205	19	ZNF826P	20451078	rs2701313	19	20595316	T	G	0.377734	-0.0060253	0.00817389	0.461035	-0.676203	0.0978982	4.94E-12	0.00891053	0.0121566	0.4635699	0.817249	3	0.85740342
ENSG00000237440	19	ZNF737	20718631	rs7250879	19	20725979	C	T	0.0586481	0.0305339	0.0201036	0.128806	-0.964761	0.147998	7.09E-11	-0.0316492	0.021396	0.1390847	0.5595956	5	0.63721248
ENSG00000188171	19	ZNF626	20802867	rs2288536	19	20828777	T	C	0.225646	0.00844815	0.00944963	0.371311	0.64109	0.0738072	3.75E-18	0.0131778	0.0148178	0.3738306	0.9813032	20	0.82005224
ENSG00000269373	19	CTD-2542C24.3	21021321	rs2547155	19	21031289	G	T	0.101392	-0.0076365	0.0128365	0.55191	-0.847501	0.145552	5.79E-09	0.00901057	0.0152251	0.5539699	0.8381509	4	0.88133611
ENSG00000105750	19	ZNF85	21106028	rs56231962	19	21131664	T	G	0.130219	-0.0099122	0.0123847	0.423504	0.738931	0.115076	1.35E-10	-0.0134142	0.01689	0.4270724	0.9041408	8	0.8462547
ENSG00000196705	19	ZNF431	21324827	rs145645636	19	21334003	T	C	0.0149105	-0.0671681	0.115578	0.561141	1.84546	0.212436	3.72E-18	-0.0363964	0.0627683	0.5620134	0.8352399	4	0.88385716
ENSG00000240522	19	RPL7AP10	21332451	rs145645636	19	21334003	T	C	0.0149105	-0.0671681	0.115578	0.561141	2.54592	0.344933	1.57E-13	-0.0263826	0.0455378	0.5623487	0.7046324	3	0.88385716
ENSG00000182141	19	ZNF708	21473962	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-0.384665	0.0572824	1.88E-11	-0.0158659	0.0221699	0.4742067	0.8149444	20	0.85740342
ENSG00000172687	19	ZNF738	21541732	rs57055133	19	21550330	C	T	0.258449	-0.0156118	0.00888322	0.0788406	-0.499936	0.0574264	3.16E-18	0.0312276	0.0181272	0.08494345	0.1393962	20	0.56757906
ENSG00000268731	19	CTD-2561J22.1	21564022	rs1875256	19	21560141	A	G	0.959245	-0.0462583	0.017485	0.00815436	-1.36517	0.233268	4.85E-09	0.0338846	0.0140558	0.01592109	0.5625822	3	0.34725322
ENSG00000213976	19	CTD-2561J22.2	21565667	rs1875256	19	21560141	A	G	0.959245	-0.0462583	0.017485	0.00815436	-1.02155	0.150712	1.22E-11	0.0452825	0.0183737	0.01371952	0.2491831	4	0.3449634
ENSG00000196268	19	ZNF493	21579921	rs8107999	19	21586236	C	T	0.450298	-0.0174916	0.00813138	0.0314666	0.462707	0.0509806	1.12E-19	-0.0378028	0.0180603	0.0363369	0.250877	20	0.43471496
ENSG00000268119	19	CTD-2561J22.5	21627043	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-1.12901	0.0726756	2.01E-54	-0.0054057	0.00751853	0.4721539	0.9291187	20	0.85740342
ENSG00000197013	19	ZNF429	21679484	rs1113577	19	21749035	C	T	0.586481	0.00059038	0.00822929	0.942808	-0.796297	0.0674745	3.84E-32	-0.0007414	0.0103346	0.9428086	0.8169465	20	0.99338916
ENSG00000268081	19	RP11-678G14.2	21737442	rs4809140	19	21765434	A	C	0.333996	0.00614814	0.00847942	0.468411	-0.757249	0.087768	6.25E-18	-0.0081191	0.0112371	0.4699753	0.9585294	20	0.85740342
ENSG00000268555	19	RP11-678G14.3	21753624	rs12463354	19	21806111	T	C	0.328032	0.00793921	0.00850148	0.350375	-1.03622	0.0802949	4.21E-38	-0.0076617	0.00822577	0.3516329	0.7940592	20	0.81376292
ENSG00000268240	19	RP11-678G14.4	21770234	rs12979255	19	21782229	C	T	0.321074	0.00619741	0.00851124	0.466525	-0.765821	0.088278	4.13E-18	-0.0080925	0.011153	0.4680885	0.9676156	20	0.85740342
ENSG00000268278	19	RP11-420K14.1	21820776	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-1.02259	0.0807741	9.87E-37	-0.0059682	0.00830547	0.4723937	0.788143	20	0.85740342
ENSG00000268433	19	RP11-420K14.2	21860352	rs12972148	19	21785029	G	A	0.404573	0.00243975	0.00809959	0.763247	-0.947979	0.0790469	3.88E-33	-0.0025736	0.00854676	0.76332	0.951116	20	0.95514229
ENSG00000268535	19	RP11-420K14.3	21892324	rs6511291	19	21950402	C	T	0.558648	-0.0002329	0.00806833	0.976969	-0.901329	0.0796241	1.05E-29	0.00025842	0.00895162	0.9769695	0.21329	20	0.99743145
ENSG00000197020	19	ZNF100	21905568	rs11085494	19	21952631	T	G	0.714712	0.00677099	0.00843469	0.422116	0.394861	0.0640631	7.11E-10	0.0171478	0.0215416	0.4260134	0.9432236	18	0.84548565
ENSG00000197134	19	ZNF257	22235254	rs3813591	19	22321256	C	T	0.32505	-0.0122426	0.00848229	0.148932	0.939679	0.105136	3.97E-19	-0.0130285	0.00914373	0.1541993	0.7653746	20	0.65263372
ENSG00000229676	19	ZNF492	22817126	rs34671960	19	22948693	A	G	0.140159	0.0035298	0.0138907	0.799409	-0.892966	0.140664	2.18E-10	-0.0039529	0.0155681	0.7995658	0.8779075	12	0.96314117
ENSG00000183850	19	ZNF730	23258012	rs8112612	19	23288053	C	G	0.654076	-0.0034085	0.00877253	0.69761	0.955011	0.0882558	2.74E-27	-0.0035691	0.00919171	0.6977965	0.542335	20	0.93660278
ENSG00000269416	19	CTB-175P5.4	23582035	rs608461	19	23642411	A	G	0.253479	-0.0081831	0.00933134	0.380514	1.11525	0.0776762	9.54E-47	-0.0073375	0.00838263	0.381401	0.07556725	20	0.82033551
ENSG00000196172	19	ZNF681	23921997	rs73023850	19	23922018	A	T	0.133201	0.016818	0.010946	0.12443	-0.797212	0.0904753	1.24E-18	-0.021096	0.0139375	0.130124	0.4006144	14	0.63721248
ENSG00000213967	19	ZNF726	24097678	rs7246207	19	24113684	A	G	0.428429	0.00244946	0.00808278	0.761854	-0.534207	0.0752627	1.27E-12	-0.0045852	0.0151442	0.7620645	0.2010105	18	0.95514229
ENSG00000268442	19	HAVCR1P1	24345172	rs9305015	19	24340502	A	G	0.195825	-0.0011738	0.0093779	0.900396	0.56803	0.102863	3.35E-08	-0.0020664	0.0165138	0.9004213	0.3799397	11	0.98631547
ENSG00000261770	19	CTC-459F4.1	28248092	rs6510333	19	28312200	G	A	0.847913	0.0136975	0.00918799	0.136013	-1.40915	0.100222	6.66E-45	-0.0097204	0.00655678	0.1382087	0.8950571	14	0.63721248
ENSG00000267264	19	CTC-459F4.6	28294446	rs6510333	19	28312200	G	A	0.847913	0.0136975	0.00918799	0.136013	0.92732	0.125058	1.22E-13	0.0147711	0.0101064	0.1438622	0.7423958	13	0.64189476
ENSG00000267014	19	CTD-2081K17.2	29493462	rs2288936	19	29501985	A	G	0.771372	-0.0024592	0.00970739	0.800013	-0.448487	0.0608763	1.74E-13	0.00548326	0.0216575	0.8001291	0.7016802	7	0.96354591
ENSG00000169021	19	UQCRFS1	29698173	rs10406650	19	29722624	G	A	0.918489	0.00288297	0.0157117	0.854413	-0.41696	0.0699629	2.53E-09	-0.0069143	0.0376994	0.8544802	0.3653229	4	0.97828063
ENSG00000264515	19	CTC-525D6.1	29777918	rs73537194	19	29888691	T	C	0.0656064	0.00867421	0.0205358	0.672737	1.30324	0.127889	2.19E-24	0.00665588	0.015771	0.6730015	0.6973914	15	0.92466627
ENSG00000266248	19	CTC-525D6.2	29980682	rs727741	19	29889308	C	T	0.0715706	0.00893376	0.0148887	0.548483	1.19169	0.132526	2.42E-19	0.00749671	0.0125216	0.5493698	0.5499975	13	0.88133611
ENSG00000187135	19	VSTM2B	30017406	rs11671532	19	29888823	C	G	0.0656064	0.00867823	0.0205344	0.672572	1.38373	0.126062	4.95E-28	0.00627162	0.0148509	0.6728015	0.678253	14	0.92466627
ENSG00000267213	19	AC007773.2	32880956	rs2302771	19	32896832	G	C	0.513917	-0.0060236	0.00806167	0.454949	0.472156	0.0762183	5.84E-10	-0.0127576	0.0171979	0.458201	0.8218923	11	0.8557952
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.314195	0.0436477	6.09E-13	0.00338159	0.0257345	0.8954564	0.6782514	5	0.98597578
ENSG00000105186	19	ANKRD27	33087913	rs115932982	19	33166118	G	A	0.0367793	0.00706277	0.0240881	0.769364	1.22806	0.142345	6.28E-18	0.00575116	0.0196261	0.7694942	0.4874039	13	0.95547643
ENSG00000021488	19	SLC7A9	33321415	rs61743316	19	33366829	G	C	0.186879	0.0068217	0.0102418	0.505371	-0.843152	0.0742349	6.78E-30	-0.0080907	0.0121679	0.5061003	0.474554	20	0.86831354
ENSG00000121289	19	CEP89	33369902	rs4805830	19	33444067	A	G	0.331014	0.00141831	0.00830871	0.864458	-0.403719	0.0705626	1.06E-08	-0.0035131	0.0205896	0.8645181	0.9803145	8	0.97828063
ENSG00000076650	19	GPATCH1	33571786	rs36085438	19	33562145	A	G	0.133201	-0.0080859	0.0127842	0.527068	0.441688	0.0794337	2.69E-08	-0.0183067	0.0291306	0.5297183	0.9319785	10	0.87557054
ENSG00000124299	19	PEPD	33877856	rs56187503	19	33853260	T	C	0.44334	-0.0023426	0.00817019	0.774326	0.388922	0.0476609	3.34E-16	-0.0060232	0.0210202	0.7744618	0.6856765	20	0.95712351
ENSG00000153885	19	KCTD15	34286838	rs2303174	19	34291576	C	G	0.392644	-0.012788	0.00853758	0.134173	-0.656377	0.0703056	1.00E-20	0.0194827	0.0131735	0.1391576	0.00052948	12	0.63721248
ENSG00000089335	19	ZNF302	35168544	rs10401309	19	35175749	G	C	0.115308	-0.0008643	0.0124057	0.944459	-1.06972	0.0878537	4.16E-34	0.00080793	0.0115973	0.9444603	0.2834718	17	0.99338916
ENSG00000197841	19	ZNF181	35225060	rs58091773	19	35265847	C	T	0.308151	-0.0131823	0.0086228	0.126322	-0.407004	0.0569485	8.88E-13	0.0323886	0.0216653	0.1349267	0.5697374	7	0.63721248
ENSG00000168661	19	ZNF30	35417807	rs55712935	19	35418193	T	C	0.338966	-0.0072885	0.00832274	0.381178	-0.856735	0.0713055	2.96E-33	0.00850724	0.00974026	0.3824395	0.5265554	16	0.82037341
ENSG00000236144	19	AD000090.2	36031640	rs12985178	19	36029896	G	T	0.357853	0.0047706	0.00813184	0.557435	-0.317516	0.0497066	1.68E-10	-0.0150248	0.0257186	0.5590869	0.2894352	7	0.88271976
ENSG00000126267	19	COX6B1	36139125	rs9917056	19	36182704	C	A	0.483101	0.00770675	0.00805196	0.338503	-0.48538	0.0488076	2.66E-23	-0.0158778	0.0166656	0.3407295	0.3764964	20	0.80943327
ENSG00000105668	19	UPK1A	36157715	rs4806187	19	36149761	G	A	0.511928	0.00789265	0.00806676	0.327869	0.983061	0.0651371	1.82E-51	0.00802865	0.00822298	0.3288827	0.3465903	20	0.79786027
ENSG00000011590	19	ZBTB32	36195429	rs2293688	19	36237245	G	C	0.351889	-0.0016967	0.00848108	0.84144	0.62281	0.0867146	6.85E-13	-0.0027242	0.0136227	0.8415012	0.0480515	20	0.97564033
ENSG00000161265	19	U2AF1L4	36233365	rs11549030	19	36246418	G	C	0.156064	0.0224242	0.0147388	0.12815	0.827312	0.0704594	7.79E-32	0.0271049	0.0179642	0.1313432	0.3689174	15	0.63721248
ENSG00000167595	19	C19orf55	36249044	rs4806197	19	36200400	C	T	0.122266	0.0222959	0.0111227	0.0450122	-0.541122	0.0991728	4.86E-08	-0.0412031	0.0218981	0.05989266	0.6752943	12	0.50428503
ENSG00000105258	19	POLR2I	36604612	rs2231568	19	36605794	T	C	0.622266	0.0117034	0.00837921	0.162497	0.264061	0.0421249	3.64E-10	0.0443208	0.0325103	0.1727919	0.4542967	10	0.67151653
ENSG00000267053	19	CTD-3162L10.1	36795482	rs2945989	19	36903262	A	G	0.198807	-0.0074478	0.0100104	0.456871	-0.603739	0.097331	5.54E-10	0.0123361	0.0166995	0.4600828	0.7601224	11	0.8565704
ENSG00000232677	19	LINC00665	36803969	rs8106095	19	36857810	G	C	0.592445	0.00287605	0.00810389	0.722667	-0.596035	0.0732781	4.16E-16	-0.0048253	0.0136093	0.7229192	0.757048	19	0.94070655
ENSG00000142065	19	ZFP14	36827162	rs61706074	19	36854795	T	C	0.190855	-0.0105945	0.0101848	0.298235	0.573381	0.0689604	9.20E-17	-0.0184772	0.0179012	0.3019877	0.7603697	12	0.77863838
ENSG00000186020	19	ZNF529	37025676	rs826985	19	37237338	T	C	0.345924	-0.0006403	0.0083587	0.938938	-0.293851	0.0489398	1.92E-09	0.00217906	0.0284477	0.9389428	0.7196118	16	0.99333365
ENSG00000233527	19	AC092295.7	37063972	rs3108604	19	37108717	G	T	0.40159	-0.0012133	0.00832539	0.88413	0.654228	0.0930289	2.03E-12	-0.0018546	0.0127283	0.8841544	0.2543059	10	0.98303047
ENSG00000267260	19	CTD-2162K18.4	37264055	rs8107274	19	37285393	C	T	0.196819	-0.0156676	0.0108487	0.148686	-0.868285	0.0980446	8.29E-19	0.0180443	0.0126594	0.1540522	0.8995729	20	0.65263372
ENSG00000267353	19	CTD-2162K18.3	37264614	rs1234251	19	37671256	C	G	0.370775	-0.007555	0.0083791	0.367242	-0.553152	0.101275	4.71E-08	0.0136582	0.0153529	0.3736739	0.6247246	7	0.82005224
ENSG00000251247	19	ZNF345	37341263	rs2891754	19	37578571	G	A	0.496024	-0.0051111	0.00804502	0.525222	0.41243	0.0711593	6.80E-09	-0.0123927	0.0196232	0.5276919	0.5266168	4	0.87557054
ENSG00000245680	19	ZNF585B	37672481	rs7254411	19	37525871	A	G	0.484095	-0.00033	0.00805909	0.967341	0.439242	0.0624072	1.95E-12	-0.0007512	0.018348	0.9673419	0.700706	14	0.99660087
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.06336	0.0908328	1.18E-31	-0.00598	0.00801241	0.4554607	0.1384634	20	0.85417294
ENSG00000267605	19	CTD-3220F14.1	37756841	rs75613737	19	37737264	T	G	0.0656064	0.0197458	0.0148283	0.182983	0.875321	0.156846	2.39E-08	0.0225584	0.017416	0.1952282	0.7096607	6	0.69727012
ENSG00000267470	19	ZNF571-AS1	38039816	rs17305326	19	38119547	C	T	0.215706	0.0183239	0.0100916	0.0694081	0.701825	0.0913876	1.60E-14	0.0261089	0.0147755	0.07722183	0.3562136	10	0.5476368
ENSG00000180479	19	ZNF571	38045684	rs73025613	19	38334361	T	C	0.576541	-0.0006351	0.00806229	0.937214	-0.407966	0.0669923	1.13E-09	0.00155671	0.0197638	0.937219	0.08075234	13	0.99333365
ENSG00000196381	19	ZNF781	38158652	rs62108306	19	38182690	T	C	0.397614	-0.0150644	0.00841839	0.0735394	-0.292175	0.046389	3.01E-10	0.0515595	0.0299532	0.08518969	0.4942243	20	0.56757906
ENSG00000198182	19	ZNF607	38187264	rs171376	19	38266993	T	C	0.167992	0.0165412	0.00977689	0.0906713	-0.583733	0.0933265	3.98E-10	-0.0283369	0.0173508	0.1024322	0.5850444	5	0.60248939
ENSG00000105738	19	SIPA1L3	38397868	rs12460013	19	38589919	A	G	0.300199	0.00215523	0.00880248	0.806577	-0.257952	0.0441647	5.20E-09	-0.0083552	0.0341545	0.806744	0.4004182	8	0.96575552

ENSG00000187994	19	RINL	39358470	rs11083483	19	39380031	G	A	0.468191	-0.0162896	0.00806793	0.043481	-0.370537	0.0646182	9.79E-09	0.0439621	0.0230839	0.05685166	0.5366786	9	0.49855845
ENSG00000068903	19	SIRT2	39369197	rs11879010	19	39379855	A	G	0.0745527	-0.0024913	0.0200868	0.901294	-0.659703	0.0820563	9.01E-16	0.00377641	0.0304519	0.9013054	0.6177876	3	0.9863793
ENSG00000269486	19	CTC-360G5.9	39425976	rs57290038	19	39433499	G	T	0.668986	-0.0027945	0.00864554	0.746526	-0.663531	0.0710707	9.98E-21	0.00421148	0.0130374	0.7466718	0.1335849	20	0.94810392
ENSG00000269190	19	FBXO17	39432044	rs1865048	19	39437559	T	C	0.397614	0.00171637	0.0081585	0.833373	0.667535	0.0690977	4.43E-22	0.00257121	0.0122247	0.8334115	0.871098	11	0.97259615
ENSG00000161243	19	FBXO27	39481354	rs7256126	19	39513654	A	T	0.622266	0.00418676	0.008359	0.616463	-0.603246	0.0481941	6.03E-36	-0.0069404	0.0138678	0.6167456	0.69235	20	0.90853728
ENSG00000130669	19	PAK4	39616410	rs9676717	19	39678078	C	T	0.418489	0.00954744	0.00839682	0.255525	-0.363548	0.0516911	2.02E-12	-0.0262618	0.0233968	0.2616684	0.6466332	20	0.74586579
ENSG00000105204	19	DYRK1B	40315990	rs11880094	19	40325640	T	C	0.562624	0.00062584	0.0081073	0.938469	-0.258192	0.0466292	3.07E-08	-0.0024239	0.0314033	0.9384748	0.3957194	5	0.99333365
ENSG00000130758	19	MAP3K10	40697651	rs55710849	19	40722927	C	T	0.501988	0.00146315	0.00816701	0.857817	-0.212778	0.0389412	4.65E-08	-0.0068764	0.0384034	0.8578926	0.5547282	5	0.97828063
ENSG00000160460	19	SPTBN4	40972148	rs62107869	19	41071701	T	C	0.153082	-0.0017067	0.0119307	0.886249	-0.428472	0.061738	3.92E-12	0.00398325	0.0278507	0.8862731	0.4447067	6	0.98384971
ENSG00000090006	19	LTBP4	41098789	rs55658896	19	41092887	G	C	0.119284	-0.0015893	0.0124361	0.898311	0.84446	0.125216	1.54E-11	-0.001882	0.0147293	0.8983288	0.08382273	12	0.98600303
ENSG00000105245	19	NUMBL	41172596	rs66500423	19	41195170	C	T	0.326044	-0.0021028	0.00845402	0.803571	-0.402707	0.0523763	1.49E-14	0.00522156	0.021004	0.803671	0.8623582	9	0.96495736
ENSG00000123815	19	ADCK4	41197434	rs66599479	19	41248855	C	A	0.145129	0.00159353	0.010551	0.879951	-0.497676	0.081524	1.03E-09	-0.0032019	0.021207	0.8799876	0.34799	14	0.98191477
ENSG00000188493	19	C19orf54	41246761	rs7255821	19	41252772	C	T	0.678926	-0.011063	0.00919481	0.228906	-0.5527	0.0744816	1.17E-13	0.0200163	0.0168534	0.234964	0.4288669	14	0.7275513
ENSG00000105323	19	HNRNPUL1	41768401	rs1946612	19	41767987	A	G	0.277336	-0.0162774	0.00897529	0.0697429	0.298944	0.0495973	1.67E-09	-0.0544497	0.0313529	0.08244563	0.6829174	10	0.55924915
ENSG00000077348	19	EXOSC5	41892279	rs284654	19	41928724	A	G	0.592445	-0.0038206	0.00840268	0.649335	-0.434744	0.0588245	1.46E-13	0.00878814	0.0193644	0.6499519	0.7666578	7	0.92241203
ENSG00000177191	19	B3GNT8	41931264	rs4802116	19	41905540	T	C	0.585487	-0.0027545	0.00839365	0.742786	-0.763027	0.0806988	3.22E-21	0.00360998	0.0110071	0.7429355	0.8937594	9	0.94621977
ENSG00000007129	19	CEACAM21	42055886	rs3745936	19	42092815	T	A	0.22664	0.0119828	0.00923907	0.194641	-0.669805	0.092621	4.77E-13	-0.01789	0.0140138	0.2017428	0.8724283	8	0.70136928
ENSG00000131126	19	TEX101	43905648	rs4533395	19	43790016	G	A	0.624254	0.00820294	0.00859119	0.339675	0.56636	0.102969	3.79E-08	0.0144836	0.015396	0.3468385	0.6384166	6	0.8110906
ENSG00000234465	19	PINLYP	44080952	rs11407	19	44085827	T	C	0.172962	-0.0064457	0.0105558	0.541442	-0.69576	0.0793446	1.81E-18	0.00926429	0.0152084	0.5424198	0.8403952	14	0.87848534
ENSG00000159871	19	LYPD5	44300081	rs11547806	19	44303066	G	C	0.576541	-0.0004994	0.00831941	0.952129	-0.816159	0.070848	1.05E-30	0.00061194	0.0101935	0.9521301	0.6154631	17	0.99373296
ENSG00000167637	19	ZNF283	44331444	rs7255083	19	44337803	C	T	0.450298	0.00475277	0.0081956	0.561971	-0.383693	0.0548604	2.67E-12	-0.0123869	0.0214331	0.5633087	0.3732095	4	0.88385716
ENSG00000159905	19	ZNF221	44455375	rs415468	19	44456672	G	C	0.385686	-0.0054259	0.00822052	0.50923	0.330316	0.0594342	2.73E-08	-0.0164262	0.0250617	0.5121901	0.2829299	3	0.87006491
ENSG00000204920	19	ZNF155	44472014	rs391267	19	44492487	T	C	0.292247	-0.0040758	0.00885819	0.645434	0.510677	0.0687741	1.12E-13	-0.0079811	0.0173792	0.6460665	0.3267293	8	0.92223619
ENSG00000178386	19	ZNF223	44555520	rs62119176	19	44539272	T	C	0.631213	-0.0024168	0.00813027	0.766265	-0.462793	0.0598528	1.06E-14	0.00522229	0.0175808	0.7664322	0.2066585	8	0.95514229
ENSG00000159917	19	ZNF235	44732882	rs2722751	19	44799591	C	T	0.67495	-0.0013529	0.00860618	0.875084	-0.547783	0.0745065	1.95E-13	0.00246983	0.0157145	0.875112	0.3615448	8	0.97970598
ENSG00000062370	19	ZNF112	44830708	rs2722739	19	44859645	A	T	0.198807	0.0117473	0.00969156	0.225466	-0.437211	0.0726384	1.75E-09	-0.0268687	0.0226118	0.2347305	0.6233665	3	0.7275513
ENSG00000267508	19	ZNF285	44886459	rs2722652	19	44901737	C	A	0.151093	-0.0026213	0.0100109	0.793442	-0.545433	0.0788012	4.46E-12	0.00480592	0.0183672	0.7935848	0.2950667	10	0.96095628
ENSG00000167384	19	ZNF180	44979854	rs2686768	19	44995990	C	T	0.444334	-0.0001346	0.00822506	0.986942	0.38441	0.0632122	1.19E-09	-0.0003502	0.0213967	0.9869425	0.1848695	13	0.9986305
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.25267	0.102931	4.49E-34	-0.0050198	0.00809572	0.5352194	0.7477487	19	0.87557054
ENSG00000073008	19	PVR	45147098	rs2301275	19	45146629	G	A	0.205765	0.00472398	0.0106174	0.656372	0.471722	0.0663527	1.17E-12	0.0100143	0.0225518	0.6569997	0.4914555	6	0.92318646
ENSG00000186567	19	CEACAM19	45165545	rs714948	19	45165912	C	A	0.882704	-0.0162152	0.0118069	0.16964	-0.72875	0.0987988	1.63E-13	0.0222507	0.01648	0.1769638	0.02839789	7	0.67373288
ENSG00000234906	19	APOC2	45449243	rs35193317	19	45470344	T	C	0.500994	-0.0178023	0.00805596	0.0271169	-0.491188	0.0845897	6.37E-09	0.0362434	0.0175485	0.03889226	0.9305459	9	0.44087342
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.351229	0.0515663	9.68E-12	-0.0028204	0.0230001	0.9024025	0.7799898	7	0.98662577
ENSG00000117877	19	CD3EAP	45909467	rs1007616	19	45913093	C	T	0.384692	-0.0179465	0.00834069	0.0314224	-0.43826	0.0754955	6.43E-09	0.0409494	0.0202966	0.04363813	0.7843284	3	0.46214246
ENSG00000125741	19	OPA3	46030685	rs12979969	19	46077867	C	T	0.315109	-0.0053144	0.00947352	0.574812	0.481938	0.0596025	6.17E-16	-0.0110272	0.0197044	0.5757304	0.5454179	6	0.89166741
ENSG00000125746	19	EML2	46110252	rs28473282	19	46153805	A	G	0.450298	-0.0101204	0.00815493	0.2146	-0.274744	0.0473901	6.73E-09	0.0368357	0.0303543	0.2249293	0.1604623	3	0.7258405
ENSG00000268401	19	CTC-344H19.4	46530912	rs12973245	19	46533149	T	C	0.596421	-0.0252886	0.00810441	0.00180638	0.876385	0.0670457	4.79E-39	-0.0288556	0.00950738	0.00240478	0.1004687	5	0.20600918
ENSG00000182013	19	PNMAL1	46969748	rs11083832	19	46970739	T	C	0.702783	0.00975686	0.00885488	0.270522	-0.570511	0.0444321	9.78E-38	-0.017102	0.015578	0.2722798	0.7901815	20	0.76067603
ENSG00000105287	19	PRKD2	47177532	rs7249039	19	47266635	G	A	0.387674	-0.0043595	0.00855057	0.610155	0.265127	0.0458666	7.45E-09	-0.0164431	0.0323761	0.6115378	0.1502364	3	0.90570134
ENSG00000181027	19	FKRP	47249303	rs12986248	19	47252875	G	A	0.581511	-0.0251862	0.00819012	0.00210363	-0.366034	0.0583222	3.47E-10	0.0688084	0.024917	0.00575351	0.1800231	5	0.26570111
ENSG00000257704	19	PRR24	47778142	rs73570553	19	47774329	C	T	0.337972	0.0127349	0.00833784	0.126672	-0.344167	0.0517078	2.81E-11	-0.0370021	0.0248558	0.1365742	0.8762238	9	0.63721248
ENSG00000134815	19	DHX34	47852538	rs755327	19	47877928	T	G	0.207753	-0.0022079	0.00967695	0.819521	0.82899	0.0832985	2.47E-23	-0.0026634	0.0116762	0.8195671	0.7160154	20	0.96823008
ENSG00000105486	19	LIG1	48618702	rs3731034	19	48623440	A	G	0.0347913	0.0135084	0.0170319	0.427707	-0.908447	0.122816	1.39E-13	-0.0148698	0.0188558	0.430344	0.8629553	5	0.84751306
ENSG00000105479	19	CCDC114	48799714	rs6509374	19	48794174	C	G	0.410537	0.00381898	0.00842851	0.650474	-0.672996	0.0766052	1.56E-18	-0.0056746	0.0125405	0.650908	0.8970638	20	0.92285128
ENSG00000105447	19	GRWD1	48949030	rs1629754	19	48952540	A	G	0.884692	0.0194594	0.0121354	0.108819	0.612035	0.0704069	3.54E-18	0.0317946	0.0201625	0.1148142	0.8439879	18	0.61794187
ENSG00000105443	19	CYTH2	48972289	rs8108419	19	48993840	A	G	0.237575	-0.0073385	0.00899604	0.414646	0.475517	0.0795638	2.28E-09	-0.0154326	0.0190938	0.418947	0.2430292	8	0.83995347
ENSG00000088002	19	SULT2B1	49055332	rs12462087	19	49066936	C	T	0.390656	0.0135313	0.00824387	0.100719	-0.535436	0.0841219	1.95E-10	-0.0252716	0.0159003	0.1119744	0.3232058	6	0.61545125
ENSG00000105523	19	FAM83E	49104067	rs368654	19	49116555	G	A	0.713718	0.00458391	0.0104829	0.661912	-0.845069	0.0850631	2.94E-23	-0.0054243	0.0124168	0.6622187	0.3398294	14	0.92466627
ENSG00000232871	19	SEC1P	49141328	rs386551	19	49138286	G	C	0.267396	-0.001592	0.00840929	0.849844	-0.743557	0.097318	2.16E-14	0.0021411	0.011313	0.8498891	0.3699798	14	0.97747911
ENSG00000142233	19	NTN5	49164664	rs479486	19	49229323	A	G	0.493042	0.0081121	0.00811509	0.317489	0.53093	0.079856	2.96E-11	0.015279	0.0154565	0.3228976	0.9792872	19	0.79401307
ENSG00000105538	19	RASIP1	49223844	rs838143	19	49251755	A	G	0.0904573	-0.0048697	0.0115004	0.671976	0.559112	0.0956554	5.06E-09	-0.0087097	0.0206229	0.6727843	0.7319047	4	0.92466627
ENSG00000182264	19	IZUMO1	49244109	rs838140	19	49252698	T	C	0.280318	-0.0045989	0.00890066	0.605372	0.597788	0.0837358	9.40E-13	-0.0076932	0.0149283	0.6063126	0.718311	6	0.90341567
ENSG00000104804	19	TULP2	49384222	rs10403298	19	49409468	C	T	0.208748	-0.0051432	0.00944486	0.586064	-0.634168	0.110242	8.79E-09	0.00811012	0.0149599	0.5877328	0.02713104	5	0.89548788
ENSG00000104805	19	NUCB1	49403307	rs28450126	19	49408015	A	G	0.128231	0.00712787	0.0119002	0.549194	0.418015	0.0760461	3.87E-08	0.0170517	0.0286369	0.5515454	0.377476	3	0.88133611
ENSG00000183207	19	RUVBL2	49496705	rs76771366	19	49507119	T	C	0.0944334	-0.0137136	0.0116391	0.238703	-0.552744	0.0801733	5.41E-12	0.02481	0.0213622	0.2454803	0.3640089	8	0.73966897
ENSG00000104852	19	SNRNP70	49588676	rs11539822	19	49588746	T	C	0.229622	0.00672952	0.00933354	0.470907	-0.230305	0.0383906	1.99E-09	-0.02922	0.0408185	0.4740825	0.7506646	3	0.85740342
ENSG00000130529	19	TRPM4	49660998	rs11083963	19	49665340	A	G	0.554672	-0.007431	0.00808276	0.357906	0.529757	0.0712976	1.08E-13	-0.0140271	0.0153738	0.3615562	0.6488458	8	0.81794669
ENSG00000074219	19	TEAD2	49843852	rs30008	19	49850201	A	G	0.253479	-0.0125348	0.00873057	0.151079	0.274451	0.048817	1.89E-08	-0.0456723	0.032832	0.1641977	0.8556712	8	0.66127026
ENSG00000268686	19	AC010524.2	49871962	rs354006	19	49790916	T	C	0.526839	0.00550961	0.0080949	0.496108	0.519466	0.0786996	4.09E-11	0.0106063	0.0156657	0.4983822	0.1061642	15	0.86521828
ENSG00000161609	19	CCDC155	49891475	rs11083973	19	49897400	C	G	0.258449	-0.0145604	0.00870338	0.0943366	1.12576	0.0846374	2.28E-40	-0.0129338	0.00779203	0.09693836	0.280826	20	0.59812273
ENSG00000161618	19	ALDH16A1	49956426	rs7259076	19	49956274	G	C	0.752485	-0.0141522	0.00873578	0.105226	-0.876206	0.0735939	1.10E-32	0.0161517	0.0100619	0.1084421	0.00099776	15	0.60962213
ENSG00000142534	19	RPS11	49999622	rs17555056	19	49999647	G	C	0.130219	-0.0098188	0.013582	0.469726	-0.544349	0.0589692	2.68E-20	0.0180376	0.0250273	0.4710828	0.1602442	15	0.85740342
ENSG00000126464	19	PRR12	50094900	rs10404887	19	50096421	G	C	0.218688	0.0102908	0.00977843	0.292619	0.589334	0.0496541	1.72E-32	0.0174617	0.0166574	0.2945073	0.00268556	20	0.77761764
ENSG00000126456	19	IRF3	50162826	rs2304207	19	50167726	G	C	0.173956	-0.0033627	0.0109508	0.758787	0.381152	0.0640163	2.62E-09	-0.0088225	0.028769	0.7590977	0.5238222	12	0.9540293
ENSG00000169169	19	CPT1C	50194155	rs12981033	19	50197406	G	A	0.410537	0.00045705	0.00840569	0.956637	-0.318944	0.0433798	1.95E-13	-0.001433	0.0263555	0.9566384	0.1926563	12	0.99568877
ENSG00000196961	19	AP2A1	50270225	rs35816883	19	50316083	T	C	0.326044	-0.0039914	0.00855008	0.640622	0.262728	0.043593	1.67E-09	-0.0151922	0.0326409	0.6416205	0.01289809	9	0.91912729
ENSG00000010361	19	FUZ	50310126	rs2305919	19	50315698	C	A	0.470179	0.0109312	0.00807532	0.175848	0.302029	0.050779	2.72E-09	0.0361925	0.0274206	0.1868669	0.2044438	5	0.68658604
ENSG00000161640	19	SIGLEC11	50452242	rs12463036	19	50475259	C	G	0.178926	-0.002081	0.0112818	0.853655	0.782077	0.11237	3.41E-12	-0.0026609	0.0144305	0.8537048	0.5454692	9	0.97786649
ENSG00000161643	19	SIGLEC16	50472857	rs34958342	19	50481082	T	A	0.175944	-0.0041982	0.0113041	0.710348	0.723416	0.111264	7.94E-11	-0.0058033	0.0156515	0.7107972	0.5426548	10	0.93968224
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.619565	0.0809723	1.99E-14	0.0153828	0.0143051	0.2822218	0.06761739	10	0.76694345
ENSG00000204653	19	ASPDH	51014857	rs4802706	19	50957093	G	C	0.666004	0.00040968	0.00837736	0.960996	-0.463778	0.0778101	2.52E-09	-0.0008834	0.0180639	0.9609978	0.9358987	11	0.99596391
ENSG00000213023	19	SYT3	51124564	rs4239490	19	51132056	C	T	0.829026	0.00445593	0.0117999	0.705708	-0.496419	0.0614967	6.90E-16	-0.0089762	0.023796	0.7060162	0.4856312	7	0.93847294
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	1.06003	0.0879034	1.74E-33	0.00693733	0.0087055	0.4255145	0.9208665	15	0.84482812
ENSG00000129451	19	KLK10	51515995	rs2569454	19	51523203	C	T	0.555666	-0.0042607	0.00814483	0.60089	-0.730568	0.097882	8.41E-14	0.00583208	0.011176	0.6017813	0.8734985	10	0.90065642
ENSG00000129437	19	KLK14	51580752	rs2569502	19	51599900	T	A	0.274354	-0.0017691	0.00849473	0.835026	0.44657	0.0757994	3.83E-09	-0.0039616	0.019034	0.8351277	0.5297807	11	0.97259615
ENSG00000142544	19	CTU1	51600863	rs10403942	19	51600921	A	G	0.460239	0.0113841	0.00831542	0.170987	-0.371054	0.0558647	3.09E-11	-0.0306804	0.0228814	0.1799696	0.3269133	15	0.67831927
ENSG00000268581	19	SIGLEC18P	51623244	rs2691263	19	51610074	C	T	0.452286	0.00205381	0.00819575	0.802127	0.559808	0.0991794	1.66E-08	0.00366878	0.0146547	0.8023183	0.4484929	7	0.96412075
ENSG00000129450	19	SIGLEC9	51628165	rs34974522	19	51595288	A	G	0.394632	-0.002323	0.00853991	0.785608	0.691318	0.0935567	1.48E-13	-0.0033603	0.0123615	0.7857497	0.8588831	9	0.9600829
ENSG00000142549	19	IGLON5	51815102	rs16982604	19	51771265	C	T	0.0377734	-0.0650112	0.0232795	0.00522793	-0.904688	0.139635	9.24E-11	0.0718604	0.0280207	0.01033107	0.6212757	3	0.31487106
ENSG00000186806	19	VSIG10L	51834790	rs11668174	19	51763498	T	C	0.0695825	-0.030628	0.0190331	0.107573	-0.958399	0.141336	1.19E-11	0.0319575	0.0204108	0.1174158	0.354908	6	0.62173639
ENSG00000267905	19	CTD-2616J11.16	51843949	rs10418551	19	51837332	G	A	0.673956	0.00707072	0.00821661	0.389492	-0.670791	0.0813474	1.64E-16	-0.0105409	0.0123157	0.3920576	0.8247456	20	0.82527185
ENSG00000105497	19	ZNF175	52074551	rs3794982	19	52096270	G	C	0.0984095	0.0193437	0.0117249	0.0989829	-0.635546	0.0863496	1.84E-13	-0.0304363	0.0189063	0.1074308	0.9948802	13	0.60962213
ENSG00000105509	19	HAS1	52216365	rs11084113	19	52226626	C	T	0.730616	0.00860621	0.00972482	0.376171	0.524777	0.0828388	2.37E-10	0.0163997	0.0187113	0.3807785	0.7940916	15	0.82033551
ENSG00000161551	19	ZNF577	52359055	rs7251571	19	52389057	G	A	0.141153	0.00962942	0.0105617	0.36191	-0.758061	0.13374	1.44E-08	-0.0127027	0.0141116	0.3680353	0.9079986	11	0.81816933
ENSG00000256087	19	ZNF432	52534632	rs78336183	19	52561483	T	C	0.206759	0.0059811	0.010728	0.577172	-0.357675	0.0603153	3.03E-09	-0.0167222	0.030126	0.5788436	0.9550395	11	0.89169006
ENSG00000221923	19	ZNF880	52873170	rs3170100	19	52888620	G	T	0.420477	0.00906304	0.00827952	0.273677	0.865087	0.0734212	4.80E-32	0.0104764	0.00961195	0.2757396	0.1404361	17	0.76415796
ENSG00000167555	19	ZNF528	52901102	rs162123	19	52917626	G	A	0.762425	-0.0017064	0.00925264	0.853681	0.48723	0.0589803	1.45E-16	-0.0035023	0.018995	0.8537176	0.5087696	13	0.97786649
ENSG00000198633	19	ZNF534	52932440	rs17836094	19	52922410	A	G	0.0874751	-0.0099118	0.0163217	0.543667	1.4656	0.141484	3.82E-25	-0.006763	0.0111557	0.5443581	0.44126	14	0.87924037
ENSG00000167562	19	ZNF701	53059075	rs7250819	19	53093236	G	A	0.418489	-0.0130734	0.0082817	0.114431	0.563522	0.0769693	2.45E-13	-0.0231994	0.0150341	0.1228	0.626603	5	0.6305293
ENSG00000167766	19	ZNF83	53097313	rs4801924	19	53119765	A	G	0.569583	-0.005475	0.00819235	0.50394	0.512463	0.0585864	2.19E-18	-0.0106836	0.0160328	0.5051806	0.3485248	20	0.86796708
ENSG00000189190	19	ZNF600	53267448	rs4802995	19	53284720	G	C	0.491054	-0.0116645	0.00815158	0.152444	0.682377	0.07472	6.70E-20	-0.0170939	0.0120916	0.1574498	0.09954936	9	0.6570401
ENSG00000204604	19	ZNF468	53341261	rs10425825	19	53357042	G	T	0.173956	0.0103252	0.0104609	0.323628	-0.627874	0.0795747	3.01E-15	-0.0164447	0.0167907	0.327385	0.8211401	19	0.79781449
ENSG00000268225	19	CTD-2331H12.5	53365060	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.784074	0.0614646	2.87E-37	-0.0147842	0.0106846	0.1664545	0.7915109	20	0.66436828
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.861619	0.0566332	2.85E-52	-0.0134536	0.00970603	0.1657133	0.7672517	20	0.66350633
ENSG00000180257	19	ZNF816	53430388	rs1808106	19	53452944	G	T	0.364811	-0.0059056	0.00871158	0.497835	0.601072	0.0797664	4.87E-14	-0.0098251	0.0145519	0.4995649	0.4556481	7	0.86521828
ENSG00000242779	19	ZNF702P	53471504	rs1661912	19	53507064	T	C	0.0695825	-0.0083296	0.0153719	0.587906	0.581162	0.0715043	4.38E-16	-0.0143327	0.026509	0.5887326	0.1136372	7	0.89548788
ENSG00000197937	19	ZNF347	53627325	rs71363310	19	53661482	A	G	0.215706	0.00611031	0.00980354	0.533103	0.477789	0.0804629	2.89E-09	0.0127887	0.0206313	0.535343	0.1780069	13	0.87557054
ENSG00000269001	19	ZNF818P	53716241	rs11673357	19	53700807	C	T	0.798211	-0.0108801	0.00952774	0.253481	-0.974817	0.0896332	1.51E-27	0.0111612	0.00982761	0.2560839	0.02139189	14	0.74586579
ENSG00000160336	19	ZNF761	53935227	rs2617762	19	53935414	C	T	0.55666	-0.001702	0.00816019	0.834777	-0.41732	0.0600364	3.62E-12	0.0040785	0.0195626	0.8348506	0.5666405	14	0.97259615
ENSG00000241015	19	TPM3P9	53935237	rs2169785	19	53938044	C	A	0.39165	-0.0101732	0.00825747	0.217949	-0.70163	0.0794653	1.05E-18	0.0144994	0.011883	0.2223972	0.5252571	20	0.72284625
ENSG00000250731	19	TPM3P6	53982604	rs12983857	19	53945504	T	C	0.689861	0.00407042	0.00843838	0.629542	0.861315	0.10395	1.17E-16	0.00472582	0.00981368	0.6301224	0.929629	17	0.9154026
ENSG00000213777	19	CTD-2224J9.8	54006646	rs1284537	19	54008994	A	G	0.694831	-0.0082227	0.00879401	0.349771	-0.997236	0.0969657	8.28E-25	0.00824549	0.00885476	0.3517535	0.4028658	20	0.81376292
ENSG00000130844	19	ZNF331	54024235	rs2708766	19	54031909	C	T	0.290258	0.00415626	0.00912329	0.648702	0.609455	0.086691	2.06E-12	0.00681963	0.015001	0.6493881	0.8184965	10	0.92239093
ENSG00000170906	19	NDUFA3	54606036	rs75622830	19	54611734	G	A	0.0994036	0.00493335	0.0135927	0.71665	0.621842	0.072078	6.28E-18	0.00793345	0.0218781	0.7168885	0.3104113	10	0.93968224
ENSG00000167608	19	TMC4	54663846	rs8101186	19	54670952	C	T	0.230616	0.0032074	0.00950788	0.73586	0.65138	0.0865822	5.34E-14	0.00492401	0.0146112	0.7361149	0.1440693	14	0.94491286
ENSG00000125505	19	MBOAT7	54677107	rs36659	19	54655269	A	G	0.209742	0.0017525	0.0095756	0.854785	-0.330829	0.0602751	4.05E-08	-0.0052973	0.0289603	0.8548642	0.8075686	5	0.97828063
ENSG00000170889	19	RPS9	54704610	rs2304523	19	54711258	T	G	0.157058	0.0119455	0.0113851	0.294076	0.779462	0.0736091	3.34E-26	0.0153253	0.0146779	0.2964348	0.00254594	9	0.77863838
ENSG00000269873	19	CTD-2587H19.3	54949192	rs11084338	19	54947983	T	C	0.0636183	0.0133897	0.0216203	0.535712	-0.659165	0.119121	3.14E-08	-0.0203131	0.0330043	0.5382451	0.6097345	3	0.87610383
ENSG00000267838	19	AC008746.12	54949847	rs4806758	19	54953917	A	G	0.304175	0.00105772	0.00937308	0.910152	-0.760958	0.0653538	2.47E-31	-0.00139	0.0123181	0.9101564	0.9751398	20	0.98753784
ENSG00000022556	19	NLRP2	55464498	rs4422092	19	55474210	A	G	0.44334	-0.0058256	0.00824967	0.480088	0.760974	0.0919953	1.32E-16	-0.0076555	0.0108804	0.4816804	0.5784445	17	0.86066122
ENSG00000088053	19	GP6	55525073	rs1671198	19	55539834	T	C	0.838966	9.66E-05	0.011893	0.993522	0.74749	0.0978805	2.23E-14	0.00012918	0.0159106	0.993522	0.3192674	20	0.99906546
ENSG00000167646	19	DNAAF3	55670031	rs3786866	19	55684224	A	G	0.293241	0.00195961	0.00887535	0.825254	0.740422	0.0995198	1.01E-13	0.00264661	0.0119922	0.8253297	0.4698183	9	0.96886182
ENSG00000129990	19	SYT5	55682567	rs3786866	19	55684224	A	G	0.293241	0.00195961	0.00887535	0.825254	0.491804	0.0614776	1.25E-15	0.00398453	0.0180534	0.8253195	0.504255	12	0.96886182
ENSG00000080031	19	PTPRH	55692616	rs76990668	19	55718695	C	T	0.0745527	-0.0200769	0.0147492	0.173444	-0.797384	0.113839	2.48E-12	0.0251785	0.018843	0.1814769	0.3175418	6	0.67831927
ENSG00000180089	19	TMEM86B	55738007	rs3745919	19	55738425	A	G	0.609344	0.00354962	0.00843205	0.673778	0.359928	0.0530454	1.16E-11	0.00986203	0.0234721	0.6743687	0.1920044	6	0.925032
ENSG00000133247	19	SUV420H2	55851221	rs12461665	19	55865350	A	G	0.536779	-0.0082452	0.0082968	0.320328	-0.330153	0.0434815	3.13E-14	0.024974	0.0253445	0.3244373	0.4287534	17	0.79507147
ENSG00000160471	19	COX6B2	55860674	rs12461665	19	55865350	A	G	0.536779	-0.0082452	0.0082968	0.320328	-0.456952	0.0746009	9.05E-10	0.018044	0.0183942	0.3266137	0.2859411	6	0.79731703
ENSG00000180043	19	FAM71E2	55866276	rs4252568	19	55874642	T	C	0.124254	0.0195384	0.0108294	0.0711984	-0.82083	0.124373	4.12E-11	-0.0238032	0.0136773	0.08179927	0.5952502	7	0.55874
ENSG00000090971	19	NAT14	55996371	rs7478	19	55998511	A	T	0.417495	0.00414685	0.00838455	0.620895	-0.321097	0.0513645	4.07E-10	-0.0129146	0.0261938	0.6219832	0.9318759	6	0.91051849
ENSG00000179954	19	SSC5D	55999771	rs62130160	19	56000896	T	G	0.184891	-0.0202558	0.0107051	0.0584696	1.12698	0.0977258	9.09E-31	-0.0179735	0.00962594	0.06187417	0.5377801	18	0.50814002
ENSG00000187550	19	SBK2	56041100	rs635264	19	56040126	T	C	0.855865	-0.000686	0.0112662	0.951444	-0.681841	0.107913	2.64E-10	0.00100615	0.016524	0.9514464	0.6516468	4	0.99362778
ENSG00000231274	19	SBK3	56052023	rs76650886	19	56058954	T	G	0.0308151	-0.0167536	0.0215446	0.436792	1.93212	0.254436	3.11E-14	-0.0086711	0.0112091	0.43918	0.5451789	6	0.85341858
ENSG00000266907	19	AC006116.22	56831159	rs12978696	19	56895496	T	C	0.138171	0.0164073	0.0111887	0.142535	1.00449	0.130045	1.13E-14	0.016334	0.0113376	0.149674	0.4769881	13	0.64835856
ENSG00000267454	19	ZNF582-AS1	56905025	rs7258010	19	56905912	A	G	0.497018	-0.0024244	0.00819768	0.767432	-0.92965	0.0728867	2.93E-37	0.00260781	0.0088204	0.7674923	0.1806665	20	0.95514229
ENSG00000198046	19	ZNF667	56950694	rs7258501	19	56976711	C	T	0.850895	0.00945369	0.0124563	0.447884	-0.548767	0.0857432	1.55E-10	-0.0172271	0.0228577	0.4510486	0.3659729	10	0.85417294
ENSG00000166770	19	ZNF667-AS1	56988619	rs17207432	19	56992995	T	C	0.246521	0.010414	0.00970129	0.283064	-0.985775	0.0776189	5.90E-37	-0.0105643	0.00987637	0.2847763	0.2199129	20	0.76860281
ENSG00000196263	19	ZNF471	57019212	rs10406513	19	57012918	T	C	0.500994	-0.0170635	0.00813501	0.035946	-0.231595	0.0417507	2.90E-08	0.0736782	0.0375534	0.04976732	0.2740156	7	0.48431865
ENSG00000196867	19	ZFP28	57050317	rs12981980	19	57050648	A	G	0.292247	-0.0180638	0.00895414	0.0436576	0.408273	0.060808	1.89E-11	-0.0442444	0.0229004	0.05335448	0.8568183	14	0.49532216
ENSG00000269696	19	AC007228.11	57056935	rs7259577	19	57068663	C	A	0.308151	-0.0175015	0.00902116	0.0523745	0.849984	0.073661	8.38E-31	-0.0205904	0.0107623	0.0557227	0.8023995	20	0.49855845
ENSG00000105146	19	AURKC	57742377	rs8111661	19	57752326	G	C	0.579523	-0.0056653	0.00812083	0.485414	-0.585674	0.0667141	1.65E-18	0.00967306	0.0139095	0.4867868	0.8322363	20	0.86252211
ENSG00000267871	19	CTC-444N24.6	57778588	rs76289041	19	57791639	A	G	0.197813	0.00031674	0.0114416	0.977915	0.724927	0.0834944	3.88E-18	0.00043693	0.0157832	0.9779148	0.9807642	8	0.99743145
ENSG00000268678	19	CTC-444N24.13	57862216	rs862703	19	57865082	C	T	0.710736	-0.0075504	0.0086202	0.381086	0.529393	0.096966	4.77E-08	-0.0142624	0.0164914	0.3871277	0.382211	8	0.82295689
ENSG00000131845	19	ZNF304	57862675	rs862703	19	57865082	C	T	0.710736	-0.0075504	0.0086202	0.381086	0.842618	0.0676218	1.22E-35	-0.0089607	0.0102555	0.3822591	0.7793773	20	0.82033551
ENSG00000186272	19	ZNF17	57922531	rs11667293	19	57942588	G	T	0.634195	-0.0043077	0.00823519	0.600918	0.504029	0.0718643	2.32E-12	-0.0085465	0.0163841	0.6019265	0.7816009	10	0.90065642
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	0.814296	0.062873	2.31E-38	-0.0012008	0.00993316	0.9037839	0.7212503	20	0.98689075
ENSG00000178201	19	VN1R1	57966542	rs12611423	19	57999713	G	C	0.276342	0.0231241	0.00848693	0.0064365	-0.424373	0.0750147	1.54E-08	-0.05449	0.0221974	0.01409662	0.02310991	10	0.34725322
ENSG00000268545	19	VN1R107P	57971280	rs12611423	19	57999713	G	C	0.276342	0.0231241	0.00848693	0.0064365	-0.569774	0.100762	1.56E-08	-0.0405847	0.0165343	0.01410485	0.02212644	5	0.34725322
ENSG00000268266	19	AC003005.2	57989017	rs12978073	19	57999939	C	G	0.355865	-0.0288755	0.0088794	0.00114609	-0.820563	0.0968131	2.34E-17	0.0351899	0.0115903	0.00239613	0.6072356	9	0.20600918
ENSG00000121406	19	ZNF549	58038693	rs8111574	19	58068901	G	A	0.372763	0.0192625	0.00858145	0.0247896	0.960317	0.0628616	1.09E-52	0.0200585	0.00903201	0.02636302	0.01436085	20	0.39738637
ENSG00000083828	19	ZNF586	58281023	rs7255898	19	58313576	A	G	0.593439	0.0152914	0.008163	0.0610323	0.534246	0.0658459	4.91E-16	0.0286224	0.0156814	0.06796459	0.4546501	20	0.51753701
ENSG00000269343	19	ZNF587B	58331099	rs2562052	19	58352289	A	G	0.89662	-0.0002243	0.0110056	0.983741	-0.577387	0.098834	5.16E-09	0.00038844	0.0190612	0.9837413	0.6898381	3	0.99756656
ENSG00000204514	19	ZNF814	58360099	rs28374851	19	58361328	C	G	0.289264	0.0121378	0.00832495	0.144839	-0.344516	0.0460692	7.53E-14	-0.0352315	0.0246192	0.1524136	0.4064158	20	0.65219838
ENSG00000269867	19	CTD-2583A14.8	58378406	rs1061996	19	58376484	C	A	0.285288	0.00604089	0.00848019	0.476247	0.7548	0.0851372	7.60E-19	0.0080033	0.0112712	0.477664	0.085846	20	0.85740342
ENSG00000270804	19	CTD-2583A14.11	58379253	rs13343787	19	58389260	G	C	0.285288	0.00540652	0.00849418	0.524452	0.561501	0.0864011	8.10E-11	0.00962869	0.0152	0.5264294	0.2261909	5	0.87557054
ENSG00000173480	19	ZNF417	58411664	rs8103104	19	58355699	C	T	0.383698	0.0155964	0.00814226	0.0554307	0.406235	0.0673714	1.64E-09	0.0383926	0.0210303	0.06791252	0.6373794	15	0.51753701
ENSG00000196724	19	ZNF418	58433252	rs7249970	19	58428286	G	C	0.251491	0.0059517	0.00854988	0.486357	-0.344668	0.0568917	1.38E-09	-0.0172679	0.0249693	0.4892107	0.03722607	5	0.86252211
ENSG00000176593	19	CTD-2368P22.1	58513429	rs1035522	19	58510932	C	T	0.703777	0.0158274	0.00885709	0.0739418	-0.471885	0.0631397	7.80E-14	-0.0335408	0.0192987	0.08221342	0.5063912	12	0.55924915
ENSG00000152467	19	ZSCAN1	58545400	rs620297	19	58545433	C	G	0.727634	-0.016013	0.00872526	0.0664691	0.364898	0.0635629	9.43E-09	-0.0438835	0.0251037	0.0804483	0.3573904	3	0.55522188
ENSG00000268660	19	LETM1P2	58555960	rs184128	19	58548760	G	A	0.734592	-0.0127797	0.00887439	0.149849	0.493486	0.0657995	6.39E-14	-0.0258968	0.0183116	0.1572942	0.3403326	6	0.6570401
ENSG00000176293	19	ZNF135	58570607	rs1544888	19	58570912	G	T	0.312127	-0.0017144	0.0084815	0.839817	0.514885	0.0594632	4.76E-18	-0.0033296	0.0164771	0.8398596	0.7421981	6	0.97484049
ENSG00000121413	19	ZSCAN18	58595205	rs6510116	19	58604319	T	G	0.769384	0.00020444	0.00908597	0.982049	0.723435	0.0841212	7.98E-18	0.00028259	0.0125595	0.982049	0.955332	12	0.99756656
ENSG00000198131	19	ZNF544	58739960	rs171852	19	58754386	T	G	0.55666	0.00272638	0.00809007	0.736116	-0.420242	0.0458482	4.91E-20	-0.0064876	0.019264	0.736286	0.3518346	20	0.94491286

ENSG00000268516	19	CTD-3138B18.5	58768639	rs260459	19	58768500	G	T	0.553678	0.00345387	0.00809852	0.669757	-0.419364	0.053944	7.60E-15	-0.008236	0.0193405	0.6702235	0.698756	12	0.92466627
ENSG00000171574	19	ZNF584	58912871	rs10417092	19	58915193	A	G	0.246521	0.00579822	0.00895634	0.517382	0.412641	0.0603437	8.02E-12	0.0140515	0.021802	0.5192478	0.5732445	20	0.87239215
ENSG00000232098	19	CTD-2619J13.14	58915605	rs12981083	19	58963468	A	G	0.239563	-0.0141832	0.00970028	0.143703	-0.478962	0.0701841	8.83E-12	0.0296124	0.0207123	0.1528041	0.8897728	9	0.65219838
ENSG00000268912	19	CTD-2619J13.17	58939999	rs11668814	19	58946833	C	T	0.244533	-0.011124	0.00951081	0.242156	-0.604066	0.0744544	4.93E-16	0.0184152	0.0159074	0.2470074	0.4170752	20	0.74075291
ENSG00000131849	19	ZNF132	58944181	rs35269060	19	58933392	T	C	0.247515	-0.0100962	0.00951005	0.2884	-0.409347	0.0709993	8.14E-09	0.0246642	0.0236228	0.2964474	0.3062377	10	0.77863838
ENSG00000269473	19	CTD-2619J13.19	58951815	rs3764535	19	58929052	A	G	0.496024	-0.0027343	0.00804847	0.734062	0.610156	0.069804	2.31E-18	-0.0044813	0.0132008	0.7342554	0.3245714	20	0.94453419
ENSG00000249471	19	ZNF324B	58962971	rs4603677	19	58950721	T	G	0.244533	0.00634375	0.00894631	0.478269	0.427804	0.0735615	6.04E-09	0.0148286	0.021067	0.4815085	0.677702	4	0.86066122
ENSG00000083807	19	SLC27A5	58990879	rs9304814	19	58951811	A	C	0.484095	0.0033226	0.00806202	0.680244	0.328968	0.0597917	3.76E-08	0.0101001	0.0245757	0.6810882	0.02835591	9	0.9275455
ENSG00000130724	19	CHMP2A	59062933	rs2305119	19	59067623	T	C	0.263419	-0.0191644	0.00937103	0.0408479	-0.285002	0.0495435	8.79E-09	0.067243	0.0348966	0.05398912	0.7451974	6	0.49754873
ENSG00000213753	19	RPL23AP79	59084870	rs895374	19	59066918	C	A	0.596421	-0.0073105	0.00848721	0.389044	0.608667	0.0588263	4.32E-25	-0.0120106	0.0139922	0.3906808	0.7231691	20	0.82413137
ENSG00000269600	19	AC016629.3	59105263	rs11670864	19	59030580	T	G	0.219682	-0.0199454	0.0100852	0.0479645	-0.826592	0.110372	6.93E-14	0.0241297	0.0126192	0.05585797	0.8011811	13	0.49855845
ENSG00000196476	20	C20orf96	251504	rs6035784	20	270428	T	C	0.549702	-0.0081109	0.00812379	0.318078	0.801057	0.0797069	9.18E-24	-0.0101253	0.0101913	0.3204541	0.3852967	20	0.79066347
ENSG00000101255	20	TRIB3	361261	rs62191434	20	360062	C	T	0.437376	0.00624943	0.00809279	0.439982	0.453931	0.0799079	1.34E-08	0.0137674	0.0179922	0.4441618	0.6266461	9	0.85417294
ENSG00000125875	20	TBC1D20	416124	rs448362	20	432686	C	T	0.481113	-0.0114397	0.00806078	0.155845	-0.682559	0.0585218	1.96E-31	0.01676	0.0118967	0.1588974	0.4126851	10	0.65838318
ENSG00000101282	20	RSPO4	939095	rs6056640	20	1000179	C	A	0.776342	-0.0076219	0.0103654	0.462144	-0.763235	0.104649	3.03E-13	0.00998628	0.0136497	0.4644064	0.4367111	8	0.85740342
ENSG00000101298	20	SNPH	1246960	rs6078509	20	1282285	C	A	0.653082	-0.000112	0.00870001	0.989728	-0.438447	0.0649259	1.45E-11	0.00025546	0.0198428	0.9897281	0.1737045	7	0.9989377
ENSG00000088833	20	NSFL1C	1422807	rs9575	20	1426393	T	C	0.407555	0.00360634	0.00814328	0.657867	-0.402821	0.0549676	2.33E-13	-0.0089527	0.0202525	0.6584498	0.9047506	12	0.92410154
ENSG00000101307	20	SIRPB1	1544167	rs6136377	20	1896288	G	A	0.374751	-0.0020542	0.00836397	0.805994	1.23554	0.0775091	3.31E-57	-0.0016626	0.00677029	0.8060164	0.9999659	20	0.9655724
ENSG00000233896	20	RP4-684O24.5	1927892	rs6035140	20	1936292	T	C	0.32505	-0.0101348	0.00872446	0.245376	0.509221	0.0787082	9.82E-11	-0.0199026	0.0174069	0.2528853	0.1395291	8	0.74586579
ENSG00000149488	20	TMC2	2517253	rs6115181	20	2594254	G	A	0.240557	0.0166858	0.00946153	0.077809	0.658437	0.0732606	2.53E-19	0.0253415	0.0146437	0.0835336	0.2228658	12	0.56305962
ENSG00000101365	20	IDH3B	2639041	rs6115381	20	2642376	G	C	0.0735586	0.0142135	0.014785	0.336379	-0.36779	0.0608222	1.48E-09	-0.0386457	0.0407044	0.3424057	0.68599	9	0.80972215
ENSG00000185019	20	UBOX5	3088219	rs306756	20	3106864	C	G	0.404573	0.0210177	0.00813902	0.00981341	0.342018	0.0518602	4.25E-11	0.061452	0.0255563	0.01619128	0.4422877	10	0.34725322
ENSG00000125877	20	ITPA	3189514	rs7270101	20	3193893	C	A	0.129225	-0.0024956	0.0146584	0.864813	-0.747206	0.0766625	1.91E-22	0.00333991	0.0196206	0.8648336	0.03138372	20	0.97828063
ENSG00000088836	20	SLC4A11	3208063	rs78722238	20	3218029	C	T	0.10338	0.0150239	0.0128538	0.242471	0.951847	0.10763	9.26E-19	0.0157839	0.0136215	0.2465569	0.3409304	20	0.74075291
ENSG00000149451	20	ADAM33	3648612	rs117026083	20	3672323	C	G	0.0616302	0.027262	0.0151693	0.0723086	0.681235	0.113337	1.85E-09	0.0400185	0.0232414	0.08509432	0.7950808	7	0.56757906
ENSG00000101224	20	CDC25B	3767578	rs3746644	20	3778433	C	T	0.477137	0.00411059	0.00807829	0.610862	-0.362284	0.0492491	1.89E-13	-0.0113463	0.0223515	0.6117121	0.9553532	9	0.90570134
ENSG00000088888	20	MAVS	3827487	rs12480978	20	3862584	T	C	0.208748	0.0110385	0.0094722	0.243876	-0.476793	0.0696451	7.59E-12	-0.0231516	0.0201523	0.2506252	0.3014628	16	0.74405279
ENSG00000171867	20	PRNP	4666882	rs17327121	20	4594532	T	C	0.400596	-0.0127175	0.00843402	0.131585	-0.596469	0.0530665	2.59E-29	0.0213213	0.0142666	0.1350468	0.6288204	12	0.63721248
ENSG00000171864	20	PRND	4702556	rs17327121	20	4594532	T	C	0.400596	-0.0127175	0.00843402	0.131585	-0.680739	0.0925983	1.96E-13	0.0186819	0.0126474	0.1396409	0.3624706	10	0.63721248
ENSG00000089057	20	SLC23A2	4833002	rs17327121	20	4594532	T	C	0.400596	-0.0127175	0.00843402	0.131585	-0.394843	0.058381	1.35E-11	0.032209	0.0218849	0.1410895	0.4283036	9	0.63973458
ENSG00000089063	20	TMEM230	5080486	rs911108	20	5078377	A	G	0.548708	0.00108515	0.00813954	0.893942	0.363644	0.0574572	2.47E-10	0.0029841	0.0223882	0.893965	0.2462542	8	0.98597578
ENSG00000101290	20	CDS2	5107432	rs6053188	20	5174039	T	C	0.457256	-0.0074023	0.00826433	0.37042	0.421229	0.0435614	4.05E-22	-0.017573	0.0197036	0.3724633	0.5331439	19	0.81961753
ENSG00000226995	20	LINC00658	5407541	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	1.28124	0.158466	6.20E-16	0.0129873	0.0119284	0.2762551	0.4955371	5	0.76430333
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	0.861804	0.10276	5.01E-17	0.00379467	0.0114523	0.7403832	0.5826548	9	0.94621977
ENSG00000205181	20	LINC00654	5476713	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	1.35107	0.138606	1.89E-22	0.0123161	0.0112799	0.2748932	0.6946542	7	0.76265086
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.521973	0.0540167	4.32E-22	0.00611775	0.0189199	0.7464298	0.2829979	20	0.94803543
ENSG00000125827	20	TMX4	7957995	rs2294247	20	7999537	A	C	0.418489	0.0082748	0.0081581	0.310437	0.288586	0.0350123	1.69E-16	0.0286736	0.0284825	0.3140737	0.3308994	20	0.78583936
ENSG00000101349	20	PAK7	9518036	rs2072953	20	9525351	C	T	0.0725646	0.00134263	0.013058	0.918106	0.575904	0.101809	1.54E-08	0.00233134	0.0226777	0.9181189	0.4504668	3	0.98780912
ENSG00000101230	20	ISM1	13202418	rs139572944	20	13341359	A	G	0.130219	-0.0022045	0.0125327	0.860373	0.631263	0.105357	2.08E-09	-0.0034922	0.0198619	0.8604321	0.9081561	7	0.97828063
ENSG00000089177	20	KIF16B	16252749	rs13042615	20	16596613	A	G	0.126243	0.00409762	0.0109921	0.709315	-0.696542	0.111286	3.87E-10	-0.0058828	0.0158089	0.7098041	0.8510192	10	0.93968224
ENSG00000089006	20	SNX5	17922241	rs4814681	20	18000255	G	A	0.366799	-0.0114529	0.00837072	0.171247	0.328917	0.0544259	1.51E-09	-0.03482	0.0260934	0.1820603	0.1633829	3	0.67831927
ENSG00000149474	20	CSRP2BP	18118762	rs1819356	20	18076982	T	C	0.470179	-0.0001003	0.00811584	0.990139	0.314777	0.0554495	1.37E-08	-0.0003187	0.0257829	0.9901386	0.879769	7	0.9989377
ENSG00000230010	20	RP4-568F9.6	18303196	rs2424161	20	18314305	C	A	0.5	-0.0056981	0.00812139	0.482922	0.550504	0.0819804	1.88E-11	-0.0103506	0.014833	0.4852942	0.4774838	9	0.86170062
ENSG00000089091	20	DZANK1	18364011	rs6045413	20	18435800	A	G	0.109344	0.00315962	0.0125585	0.801356	-0.665174	0.101447	5.50E-11	-0.0047501	0.0188939	0.8014993	0.06784876	20	0.96395633
ENSG00000101310	20	SEC23B	18488137	rs2281576	20	18488754	C	G	0.922465	0.00830304	0.0139559	0.551878	-0.940073	0.0817431	1.31E-30	-0.0088323	0.0148654	0.5524092	0.8818636	20	0.88133611
ENSG00000125821	20	DTD1	18568537	rs13037939	20	18602652	A	G	0.152087	-0.0141234	0.0108417	0.19268	0.374198	0.0580087	1.11E-10	-0.0377431	0.0295581	0.2016322	0.08971546	10	0.70136928
ENSG00000234646	20	RP4-753D10.3	23012179	rs2235952	20	23019627	G	A	0.430417	-0.0173121	0.0081906	0.0345446	0.493976	0.0793525	4.81E-10	-0.0350464	0.0175107	0.04534584	0.7098949	8	0.4674609
ENSG00000132671	20	SSTR4	23016057	rs2567607	20	23017507	C	T	0.055666	-0.04043	0.014782	0.00623649	0.983486	0.144038	8.61E-12	-0.0411089	0.0161912	0.01111824	0.323001	4	0.31487106
ENSG00000154930	20	ACSS1	24986868	rs6106989	20	25027630	A	G	0.643141	-0.0027655	0.0085708	0.746951	-0.38751	0.05855	3.63E-11	0.00713651	0.0221439	0.7472413	0.1110148	14	0.94834929
ENSG00000100987	20	VSX1	25051521	rs62215277	20	25064864	G	A	0.220676	-0.0120364	0.0102259	0.239173	-0.787711	0.0660344	8.38E-33	0.0152802	0.0130448	0.2414534	0.4302239	20	0.73594668
ENSG00000230725	20	RP4-738P15.1	25121425	rs4482560	20	25126247	A	G	0.258449	-0.0183224	0.00901589	0.0421308	-0.617324	0.0850511	3.92E-13	0.0296804	0.0151665	0.0503505	0.8740935	19	0.48438334
ENSG00000197586	20	ENTPD6	25176329	rs6037062	20	25202892	A	G	0.450298	-0.0039072	0.00808843	0.62905	-0.577168	0.0460053	4.20E-36	0.00676968	0.0140244	0.6293034	0.7088032	20	0.9147988
ENSG00000100994	20	PYGB	25228705	rs6115113	20	25244844	T	C	0.241551	0.00418648	0.00914411	0.647073	-0.379599	0.0551426	5.82E-12	-0.0110287	0.0241421	0.6477973	0.3492023	19	0.92239093
ENSG00000100997	20	ABHD12	25275379	rs6138545	20	25216282	T	C	0.426441	-0.002239	0.00811704	0.782667	0.38571	0.0447418	6.65E-18	-0.005805	0.0210552	0.782776	0.4423317	20	0.95999897
ENSG00000101004	20	NINL	25433341	rs437635	20	25456888	G	A	0.430417	-0.0035557	0.0080968	0.660552	0.741427	0.0780233	2.05E-21	-0.0047958	0.0109322	0.6608921	0.9481643	20	0.92466627
ENSG00000130684	20	ZNF337	25654851	rs59546510	20	25517987	A	G	0.0596421	0.0215938	0.0163168	0.185698	-0.848619	0.107285	2.57E-15	-0.0254458	0.0194947	0.1918021	0.8823254	13	0.69013161
ENSG00000175170	20	FAM182B	25744102	rs6115475	20	25982840	C	T	0.353877	-0.0061271	0.00822417	0.456264	0.919496	0.0906248	3.45E-24	-0.0066636	0.00896829	0.4574735	0.8745779	20	0.85538721
ENSG00000231081	20	RP4-760C5.3	25989427	rs2386802	20	25971327	C	A	0.340954	-0.005302	0.00823552	0.519708	-0.76539	0.0838238	6.79E-20	0.00692719	0.0107866	0.5207418	0.7636786	20	0.87239215
ENSG00000204556	20	CTD-2514C3.1	25999468	rs6050929	20	25832184	G	A	0.321074	-0.0021901	0.0084532	0.795571	-0.776649	0.0827001	5.93E-21	0.00281991	0.0108883	0.7956473	0.6479176	20	0.96137537
ENSG00000125804	20	FAM182A	26035291	rs6051086	20	25987959	G	A	0.646123	-0.0129524	0.00835813	0.12122	-0.944457	0.103937	1.02E-19	0.0137141	0.00897744	0.1266067	0.2580991	20	0.63619479
ENSG00000205611	20	RP4-610C12.4	29513582	rs6087306	20	29641482	G	A	0.513917	0.0189513	0.00810097	0.0193157	-0.584297	0.0765064	2.22E-14	-0.0324344	0.0145003	0.02529931	0.8907067	20	0.38685001
ENSG00000238151	20	MLLT10P1	29637799	rs6119047	20	29574340	A	G	0.149105	-0.0036042	0.00991427	0.716201	1.03907	0.131084	2.25E-15	-0.0034687	0.00955151	0.7164869	0.6631975	12	0.93968224
ENSG00000131044	20	TTLL9	30458505	rs141547239	20	30566874	T	G	0.0397614	-0.0070539	0.023679	0.765782	1.47834	0.246287	1.94E-09	-0.0047715	0.016037	0.7660614	0.7454147	3	0.95514229
ENSG00000198547	20	C20orf203	31219428	rs4911248	20	31214234	A	G	0.423459	0.0100438	0.00812081	0.216163	0.639092	0.0698332	5.60E-20	0.0157157	0.0128223	0.2203282	0.2260353	20	0.72284625
ENSG00000175730	20	BAK1P1	31276723	rs6058790	20	31247317	G	A	0.489066	-0.0101237	0.00807472	0.209931	0.715566	0.0931239	1.54E-14	-0.0141478	0.0114336	0.2159425	0.2793111	15	0.7171055
ENSG00000088305	20	DNMT3B	31350191	rs6087999	20	31363774	G	A	0.369781	0.0102175	0.00821723	0.213713	0.494758	0.0634463	6.29E-15	0.0206515	0.0168184	0.2194801	0.2481971	20	0.72284625
ENSG00000078699	20	CBFA2T2	32077881	rs6141396	20	32023953	A	C	0.49006	-0.0043889	0.0080686	0.586477	0.361934	0.0550736	4.97E-11	-0.0121262	0.0223692	0.5877535	0.435451	20	0.89548788
ENSG00000101460	20	MAP1LC3A	33134658	rs6088536	20	33189106	C	T	0.496024	0.00031496	0.00812639	0.969084	0.525108	0.0461963	6.11E-30	0.00059979	0.0154757	0.9690842	0.1414883	20	0.99660087
ENSG00000198646	20	NCOA6	33284722	rs6088579	20	33284624	G	A	0.877734	-0.0252607	0.0127092	0.0468565	-0.414228	0.0652097	2.12E-10	0.0609826	0.0321485	0.05784081	0.845587	14	0.49927316
ENSG00000131069	20	ACSS2	33459949	rs6119545	20	33522869	C	T	0.570577	0.0149032	0.00822535	0.0700084	0.436095	0.0542389	8.96E-16	0.0341742	0.0193344	0.07713812	0.2844849	20	0.5476368
ENSG00000078814	20	MYH7B	33563206	rs3746435	20	33587198	C	G	0.193837	0.00308331	0.0100148	0.758176	0.625778	0.0726734	7.25E-18	0.00492716	0.016014	0.7583268	0.3099196	20	0.95353589
ENSG00000126005	20	MMP24-AS1	33804265	rs2425043	20	33868702	C	T	0.201789	0.0204647	0.00964276	0.0338135	-0.651632	0.061434	2.76E-26	-0.0314053	0.0150912	0.03743026	0.9426627	11	0.43880451
ENSG00000224497	20	RPL36P4	34132175	rs12625762	20	34158587	A	G	0.147117	0.00110095	0.0140342	0.937472	1.28432	0.120311	1.33E-26	0.00085722	0.0109276	0.9374737	0.2692879	20	0.99333365
ENSG00000214078	20	CPNE1	34213953	rs111597121	20	34371913	C	A	0.109344	0.00853464	0.0146314	0.559684	-0.674703	0.0751535	2.77E-19	-0.0126495	0.0217314	0.5605111	0.9619917	20	0.88280095
ENSG00000101353	20	MROH8	35729629	rs1632309	20	35743143	C	A	0.467197	0.00789357	0.00817499	0.334257	0.455666	0.0669959	1.04E-11	0.0173231	0.0181206	0.3390774	0.1111039	14	0.80766221
ENSG00000132792	20	CTNNBL1	36322408	rs113478147	20	36388176	G	A	0.0765408	0.00877265	0.016189	0.587895	1.1863	0.15564	2.50E-14	0.00739497	0.0136811	0.5888349	0.8429137	4	0.89548788
ENSG00000101413	20	RPRD1B	36661948	rs6013676	20	36654055	A	G	0.164016	-0.0172608	0.0114011	0.130038	0.518114	0.0713002	3.69E-13	-0.0333147	0.0224775	0.1383048	0.6584865	5	0.63721248
ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.18858	0.072693	4.30E-60	0.00333296	0.00929551	0.7199273	0.3900605	20	0.94000124
ENSG00000196756	20	SNHG17	37049235	rs788346	20	37059749	T	G	0.159046	0.0114051	0.0110917	0.303828	1.33979	0.0923989	1.21E-47	0.0085126	0.00829948	0.3050426	0.6961008	20	0.77894167
ENSG00000132793	20	LPIN3	39969560	rs4812497	20	39970573	C	T	0.253479	0.00407998	0.00881695	0.643548	0.311042	0.0519729	2.17E-09	0.0131171	0.0284311	0.6445363	0.06983117	9	0.92078672
ENSG00000185513	20	L3MBTL1	42136320	rs6017096	20	42141375	C	T	0.184891	-0.0006269	0.0111646	0.955225	-0.305365	0.0540754	1.63E-08	0.00205279	0.0365633	0.9552275	0.1628706	5	0.99512257
ENSG00000101052	20	IFT52	42219571	rs4810386	20	42225923	G	A	0.785288	-0.009066	0.00946054	0.337912	0.39433	0.0573689	6.26E-12	-0.022991	0.0242235	0.3425598	0.8889213	20	0.80972215
ENSG00000124191	20	TOX2	42543504	rs6073251	20	42542473	G	A	0.253479	0.0160129	0.00993813	0.107122	0.61044	0.0743202	2.15E-16	0.0262317	0.0165906	0.1138498	0.0901574	4	0.61794187
ENSG00000168734	20	PKIG	43160426	rs79825017	20	43163777	G	A	0.0626243	0.0514902	0.0178858	0.00399144	0.645111	0.11515	2.11E-08	0.079816	0.0311714	0.01045064	0.2524962	9	0.31487106
ENSG00000244558	20	RP11-445H22.4	43323533	rs11698203	20	43357899	G	A	0.45825	-0.0010466	0.00806046	0.896694	-0.502684	0.0692433	3.88E-13	0.00208194	0.0160374	0.8967104	0.4037675	8	0.98597578
ENSG00000124145	20	SDC4	43953928	rs1981430	20	43975667	C	A	0.500994	-0.0018394	0.00805972	0.819475	0.31927	0.0374523	1.53E-17	-0.0057612	0.0252533	0.8195387	0.5385038	6	0.96823008
ENSG00000101443	20	WFDC2	44098346	rs3092498	20	44055710	C	T	0.511928	0.00085954	0.00811797	0.915676	0.483236	0.072972	3.54E-11	0.00177872	0.0168013	0.9156872	0.3467111	10	0.98780912
ENSG00000124116	20	WFDC3	44376583	rs2868349	20	44423798	A	G	0.656064	-0.0071235	0.00853659	0.404016	1.05465	0.094459	6.04E-29	-0.0067544	0.00811682	0.4053247	0.1522006	20	0.83261688
ENSG00000124104	20	SNX21	44462449	rs380973	20	44455176	G	A	0.632207	-0.0098448	0.00843117	0.242943	-0.549893	0.0520207	4.08E-26	0.0179031	0.0154256	0.2458029	0.4086983	20	0.74019858
ENSG00000064601	20	CTSA	44518783	rs11907982	20	44491020	A	G	0.529821	-0.0035295	0.00828289	0.670022	0.559927	0.0651089	7.98E-18	-0.0063035	0.014811	0.6704031	0.09479606	20	0.92466627
ENSG00000101017	20	CD40	44746911	rs4810486	20	44766403	G	A	0.142147	0.0223391	0.0112514	0.0470945	-0.66798	0.115484	7.29E-09	-0.0334428	0.0178086	0.06039486	0.1745504	11	0.50428503
ENSG00000229957	20	RP5-998H6.2	44797043	rs2425766	20	44802021	C	G	0.194831	0.0105291	0.00958409	0.271943	0.639632	0.113104	1.56E-08	0.0164612	0.0152639	0.2808367	0.6763842	3	0.76652901
ENSG00000225849	20	MKRN7P	45092541	rs6011967	20	45095161	C	T	0.0596421	-0.0003255	0.0182511	0.98577	1.40332	0.156663	3.32E-19	-0.000232	0.0130057	0.98577	0.3031876	6	0.9980451
ENSG00000158296	20	SLC13A3	45186463	rs439143	20	45204763	A	C	0.818091	-0.0036125	0.0115976	0.755431	-1.38048	0.102749	3.75E-41	0.00261684	0.00840339	0.7554948	0.4430145	13	0.95258055
ENSG00000124126	20	PREX1	47240790	rs11696738	20	47369603	C	G	0.369781	0.0104817	0.00821102	0.201764	0.195277	0.031908	9.36E-10	0.0536761	0.042953	0.2114291	0.8065598	6	0.71149138
ENSG00000158470	20	B4GALT5	48249482	rs6095617	20	48334664	T	C	0.706759	-0.0163336	0.00850286	0.0547381	-0.32351	0.0515264	3.42E-10	0.0504887	0.0274858	0.06622447	0.2566156	4	0.51232503
ENSG00000197818	20	SLC9A8	48429250	rs6020069	20	48438572	C	T	0.552684	0.00729951	0.00819213	0.372908	0.479645	0.0553179	4.29E-18	0.0152186	0.0171695	0.3754175	0.3094724	17	0.82033551
ENSG00000124226	20	RNF114	48552948	rs6067295	20	48582759	G	A	0.885686	-0.0171131	0.0143617	0.233427	-0.80671	0.0952382	2.44E-17	0.0212134	0.0179781	0.2380158	0.7237739	12	0.73261099
ENSG00000231742	20	RP11-112L6.4	48789087	rs6122883	20	48789373	G	A	0.345924	0.00637556	0.00847788	0.452037	0.51975	0.0927319	2.08E-08	0.0122666	0.0164576	0.4560639	0.4816924	3	0.85417294
ENSG00000101115	20	SALL4	50400581	rs6096585	20	50417672	A	G	0.214712	0.00853927	0.00935289	0.361238	-0.633493	0.104001	1.12E-09	-0.0134797	0.0149289	0.3665672	0.5968696	4	0.81816933
ENSG00000132819	20	RBM38	55966463	rs11905479	20	55977759	A	G	0.237575	-0.0096243	0.010597	0.36377	-0.372307	0.0583065	1.71E-10	0.0258504	0.0287495	0.3685678	0.5735729	6	0.81816933
ENSG00000124164	20	VAPB	56964178	rs6015262	20	56964925	T	C	0.255467	0.0099374	0.00915653	0.277798	0.326647	0.045453	6.65E-13	0.0304224	0.0283497	0.2832207	0.02640792	12	0.76768522
ENSG00000215440	20	NPEPL1	57264187	rs8115194	20	57281809	T	C	0.242545	-0.0024027	0.0104325	0.817855	-0.414396	0.0556611	9.70E-14	0.00579796	0.0251872	0.8179408	0.3258488	12	0.96775038
ENSG00000270951	20	RP1-309F20.4	57451647	rs6026578	20	57463472	G	C	0.643141	-0.0058935	0.00844399	0.485206	-0.536893	0.096891	3.00E-08	0.0109771	0.0158518	0.4886342	0.8803501	4	0.86252211
ENSG00000101158	20	NELFCD	57556263	rs17851253	20	57564695	T	C	0.119284	0.00182028	0.0108145	0.866332	-0.82587	0.107694	1.74E-14	-0.0022041	0.0130978	0.8663646	0.9305864	10	0.97828063
ENSG00000087495	20	PHACTR3	58152564	rs7273796	20	58253583	A	G	0.200795	0.00567719	0.00946088	0.54846	0.470868	0.0726015	8.83E-11	0.0120569	0.0201782	0.5501617	0.7096919	7	0.88133611
ENSG00000176659	20	C20orf197	58630980	rs77388520	20	58661234	G	A	0.109344	-0.0118457	0.012555	0.345424	1.34977	0.124917	3.25E-27	-0.0087761	0.00933698	0.3472544	0.7561833	3	0.8110906
ENSG00000130699	20	TAF4	60528525	rs2281735	20	60582540	A	T	0.671968	-0.0089838	0.00838149	0.283783	0.39784	0.0552047	5.74E-13	-0.0225814	0.0212992	0.2890549	0.6914881	9	0.77325335
ENSG00000101180	20	HRH3	60790026	rs6062156	20	60799488	G	C	0.16998	-0.0163937	0.0106631	0.124191	0.492457	0.0851022	7.18E-09	-0.0332896	0.022404	0.1373122	0.724567	8	0.63721248
ENSG00000226332	20	RP11-157P1.4	60880488	rs2236523	20	60883273	C	A	0.425447	0.00565099	0.00816658	0.48896	0.425649	0.0629973	1.41E-11	0.0132762	0.0192865	0.4912231	0.5520466	11	0.86252211
ENSG00000149679	20	CABLES2	60963688	rs6089358	20	60972074	C	T	0.199801	0.00365728	0.0114926	0.75031	0.672996	0.0734413	5.01E-20	0.00543433	0.0170871	0.7504566	0.665066	12	0.95123252
ENSG00000060491	20	OGFR	61436187	rs35983138	20	61443314	T	C	0.237575	0.00582275	0.0101321	0.565506	-0.472141	0.0612854	1.32E-14	-0.0123327	0.0215195	0.566583	0.7032501	20	0.88562633
ENSG00000101190	20	TCFL5	61472467	rs1980500	20	61473841	C	T	0.274354	0.0195559	0.00915807	0.0327303	0.743997	0.082992	3.11E-19	0.0262849	0.0126537	0.03777791	0.3164722	9	0.44087342
ENSG00000101191	20	DIDO1	61509090	rs2273412	20	61553802	A	G	0.182903	0.0164957	0.00989841	0.0956137	-0.260558	0.0440353	3.28E-09	-0.0633091	0.0394672	0.1086936	0.396005	11	0.60962213
ENSG00000272259	20	RP11-305P22.9	61640735	rs4809478	20	61698442	C	G	0.5	-0.0200377	0.00807076	0.0130371	-1.1013	0.0718926	5.74E-53	0.0181946	0.00742402	0.01425498	0.4432494	20	0.34725322
ENSG00000231133	20	HAR1B	61726845	rs34536346	20	61733409	C	T	0.28827	-0.0273561	0.00937339	0.0035173	-0.681955	0.0968554	1.91E-12	0.0401142	0.0148789	0.00701662	0.2303967	13	0.2675694
ENSG00000225978	20	HAR1A	61733483	rs2427500	20	61737520	C	G	0.657058	0.0106469	0.00849083	0.209866	0.692835	0.0881925	3.97E-15	0.0153672	0.0124103	0.2156216	0.5621397	17	0.71695913
ENSG00000101198	20	NKAIN4	61872136	rs1075556	20	61870634	G	A	0.442346	0.0162349	0.00817306	0.0469905	0.388801	0.0443136	1.73E-18	0.0417563	0.0215532	0.05270122	0.00537864	20	0.4928884
ENSG00000101213	20	PTK6	62159778	rs396823	20	62153828	G	A	0.193837	-0.0183735	0.0094926	0.0529212	-0.555838	0.0817347	1.04E-11	0.0330555	0.0177563	0.06265598	0.7513605	16	0.50845953
ENSG00000101216	20	GMEB2	62218955	rs6122491	20	62247961	T	C	0.588469	0.00166792	0.00806954	0.836249	-0.550805	0.0600777	4.81E-20	-0.0030282	0.0146542	0.8362904	0.70671	20	0.97276333
ENSG00000197457	20	STMN3	62271061	rs6062470	20	62269607	A	G	0.631213	-0.0016988	0.00825892	0.837028	-0.312349	0.0440458	1.33E-12	0.00543888	0.0264524	0.8370956	0.2330746	20	0.97276333
ENSG00000125520	20	SLC2A4RG	62371214	rs2236508	20	62333115	A	G	0.202783	0.00172773	0.0101167	0.864397	-0.335229	0.0592206	1.51E-08	-0.0051539	0.0301922	0.8644578	0.2149329	7	0.97828063
ENSG00000171703	20	TCEA2	62681189	rs13039439	20	62703490	T	C	0.244533	0.00807849	0.00923769	0.381838	0.320448	0.0526458	1.15E-09	0.02521	0.0291234	0.3866955	0.7196124	7	0.82295689
ENSG00000171700	20	RGS19	62704534	rs8126001	20	62711459	T	C	0.482107	-0.004363	0.00810678	0.590443	0.500238	0.0584351	1.12E-17	-0.0087219	0.0162378	0.5911754	0.5910962	14	0.89654488
ENSG00000125510	20	OPRL1	62711526	rs8121509	20	62712053	C	T	0.454274	-0.0042738	0.00810215	0.597858	0.456241	0.0618077	1.56E-13	-0.0093673	0.0178038	0.5987897	0.6438356	12	0.89978219
ENSG00000149656	20	LINC00266-1	62921738	rs75501408	20	62910548	A	C	0.054672	-0.0159549	0.0186248	0.39164	-1.1185	0.195981	1.15E-08	0.0142646	0.0168381	0.396907	0.03936381	3	0.82860146
ENSG00000229231	21	FEM1AP1	15134659	rs71330942	21	15312788	T	C	0.0596421	0.0207547	0.0224143	0.354467	1.27822	0.193783	4.22E-11	0.0162372	0.0177075	0.3591599	0.2326506	6	0.81746804
ENSG00000228314	21	CYP4F29P	15215454	rs71330942	21	15312788	T	C	0.0596421	0.0207547	0.0224143	0.354467	1.77068	0.221058	1.15E-15	0.0117213	0.0127429	0.3576604	0.1257461	10	0.81746804
ENSG00000215559	21	ANKRD20A11P	15281895	rs71330942	21	15312788	T	C	0.0596421	0.0207547	0.0224143	0.354467	1.6478	0.222883	1.43E-13	0.0125954	0.0137088	0.3582108	0.1259164	10	0.81746804
ENSG00000224905	21	AP001347.6	15399742	rs71330942	21	15312788	T	C	0.0596421	0.0207547	0.0224143	0.354467	-1.14472	0.199958	1.04E-08	-0.0181308	0.0198351	0.3606757	0.3690037	6	0.81746804
ENSG00000185272	21	RBM11	15588451	rs71233853	21	15394718	T	G	0.0347913	0.0320302	0.0293297	0.274801	1.22595	0.21888	2.13E-08	0.0261268	0.0243746	0.2837698	0.5415901	5	0.76825111
ENSG00000232884	21	AF127936.3	16119083	rs79353073	21	16201773	C	T	0.0397614	0.0310353	0.0255712	0.224868	1.01876	0.173313	4.15E-09	0.0304638	0.0256298	0.2345931	0.3488764	3	0.7275513
ENSG00000270093	21	AP000473.8	18015848	rs2823933	21	18022418	T	G	0.338966	-0.0184041	0.00858785	0.03211	-0.397379	0.0674943	3.92E-09	0.0463137	0.0229984	0.04403225	0.5547174	5	0.46339577
ENSG00000154642	21	C21orf91	19161284	rs2298404	21	19099907	A	G	0.22167	-0.0085518	0.0105722	0.418579	-0.570426	0.0732851	7.05E-15	0.0149919	0.0186337	0.4210751	0.7738479	18	0.84131573
ENSG00000224924	21	LINC00320	22114908	rs8131245	21	22116149	A	C	0.0815109	0.0083757	0.0118954	0.481362	0.548051	0.0809359	1.28E-11	0.0152827	0.0218219	0.4837172	0.08651234	16	0.86066122
ENSG00000273492	21	AP000230.1	27543189	rs2830132	21	27605254	A	T	0.245527	-0.0037582	0.00897674	0.675467	1.09215	0.0874797	9.06E-36	-0.0034411	0.00822395	0.6756383	0.1452227	20	0.92601758
ENSG00000232692	21	AP001596.6	27750871	rs13049968	21	27588195	T	A	0.236581	-0.0085058	0.00921732	0.356109	-0.746198	0.102081	2.67E-13	0.0113988	0.0124504	0.3599095	0.05184924	12	0.81746804
ENSG00000197934	21	AP001597.1	27765954	rs2266589	21	27602857	C	T	0.237575	-0.007856	0.00931559	0.399053	-0.752454	0.108526	4.11E-12	0.0104404	0.0124715	0.4025125	0.1271082	15	0.83056304
ENSG00000154736	21	ADAMTS5	28290231	rs233610	21	28394931	A	G	0.667992	0.00053445	0.00881751	0.951668	0.743048	0.0719822	5.57E-25	0.00071926	0.0118669	0.951669	0.8780337	20	0.9936544
ENSG00000232855	21	AF131217.1	29811667	rs2736130	21	29923108	G	A	0.809145	-0.0055384	0.0105203	0.598574	-0.734661	0.111428	4.31E-11	0.00753874	0.0143655	0.5997358	0.7781556	16	0.89978219
ENSG00000156253	21	RWDD2B	30376705	rs9982332	21	30392826	G	C	0.712724	-0.0216368	0.0106885	0.0429378	-0.826628	0.0664511	1.59E-35	0.0261748	0.0131003	0.04571402	0.7820647	20	0.46900462
ENSG00000156256	21	USP16	30396950	rs2832171	21	30465586	T	C	0.878728	-0.0308731	0.014178	0.0294401	0.591172	0.0795671	1.09E-13	-0.0522236	0.0249917	0.03665024	0.6444785	15	0.43471496
ENSG00000156299	21	TIAM1	32490734	rs68082519	21	32789101	C	T	0.0347913	0.0173897	0.0243311	0.474788	0.567629	0.086668	5.77E-11	0.0306357	0.0431189	0.4773985	0.05953297	6	0.85740342
ENSG00000142207	21	URB1	33683329	rs78732220	21	33795077	A	C	0.0954274	0.00662169	0.0149442	0.657697	0.568708	0.0872723	7.20E-11	0.0116434	0.0263381	0.658436	0.7244572	5	0.92410154
ENSG00000242220	21	TCP10L	33948862	rs2833926	21	33975279	C	T	0.191849	-0.0023931	0.00987318	0.808484	-0.419138	0.0716648	4.96E-09	0.00570953	0.0235761	0.8086453	0.6314967	4	0.96594546
ENSG00000223799	21	IL10RB-AS1	34636178	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.874369	0.0955355	5.57E-20	-0.0181096	0.0101214	0.0735754	0.1034073	3	0.53442881
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	1.09412	0.0902489	7.94E-34	-0.0144724	0.00802178	0.07121035	0.1115037	6	0.52709798
ENSG00000142166	21	IFNAR1	34696734	rs2040109	21	34676165	T	G	0.287276	-0.003297	0.00835056	0.692969	0.363487	0.049806	2.92E-13	-0.0090706	0.0230071	0.6933949	0.00656486	8	0.93468508
ENSG00000159128	21	IFNGR2	34775202	rs9980428	21	34769010	T	G	0.205765	-0.0063759	0.00992542	0.520625	0.732381	0.0914728	1.18E-15	-0.0087057	0.0135958	0.5219618	0.6972641	8	0.87239215
ENSG00000142188	21	TMEM50B	34804792	rs2834225	21	34825875	A	G	0.446322	0.0131382	0.00805071	0.102693	-1.06179	0.0584907	1.21E-73	-0.0123736	0.00761278	0.1040825	0.90894	20	0.60446991
ENSG00000241837	21	ATP5O	35275757	rs915574	21	35268336	C	T	0.67495	-0.0187147	0.00839635	0.0258202	0.343559	0.0474118	4.28E-13	-0.054473	0.0255693	0.03313831	0.5707749	20	0.42178047
ENSG00000159200	21	RCAN1	35885440	rs7277446	21	35911295	C	T	0.411531	-0.0136584	0.008302	0.0999286	0.340322	0.0606336	1.99E-08	-0.0401338	0.0254209	0.1143889	0.1990423	8	0.61794187

ENSG00000159212	21	CLIC6	36041688	rs717578	21	36062937	C	T	0.183897	-0.0035926	0.010749	0.73821	0.571227	0.0840478	1.07E-11	-0.0062892	0.0188401	0.7385145	0.1992202	8	0.94584644
ENSG00000159228	21	CBR1	37442239	rs73367285	21	37361594	T	C	0.0367793	0.0224408	0.0421263	0.59424	-0.839479	0.122809	8.16E-12	-0.0267318	0.0503336	0.5953546	0.7150548	7	0.8982887
ENSG00000233393	21	AP000688.29	37477179	rs55738252	21	37452271	C	T	0.600398	0.00830672	0.00820525	0.311363	-0.387965	0.0652199	2.70E-09	-0.021411	0.0214536	0.3182713	0.6482312	18	0.79066347
ENSG00000159231	21	CBR3	37507210	rs2835290	21	37538883	C	T	0.855865	-0.0081361	0.00989126	0.410763	-0.565306	0.0948263	2.50E-09	0.0143923	0.0176629	0.4151681	0.3918059	14	0.83806414
ENSG00000159263	21	SIM2	38071433	rs13050453	21	38315564	G	T	0.545726	0.0111259	0.00818255	0.173922	-0.544115	0.0660071	1.68E-16	-0.0204477	0.0152415	0.1797315	0.77088	20	0.67831927
ENSG00000159267	21	HLCS	38123189	rs2835539	21	38308552	T	C	0.593439	0.00094053	0.00860107	0.912925	-0.516356	0.0590117	2.13E-18	-0.0018215	0.0166585	0.9129318	0.06105531	20	0.98753784
ENSG00000224790	21	AP000704.5	38338812	rs28610288	21	38348125	C	A	0.430417	0.00929435	0.00807933	0.249984	-1.10209	0.0706478	7.31E-55	-0.0084334	0.00735082	0.2512697	0.3150235	20	0.74508856
ENSG00000185808	21	PIGP	38431470	rs2298682	21	38444890	G	A	0.49503	-0.002874	0.00819992	0.725967	-0.861095	0.0716896	3.09E-33	0.00333765	0.00952672	0.7260792	0.06712165	20	0.94070655
ENSG00000182670	21	TTC3	38445526	rs2298684	21	38445095	A	G	0.496024	-0.0033129	0.00819894	0.68617	0.594206	0.0483861	1.15E-34	-0.0055753	0.0138056	0.6863305	0.05481571	20	0.92986305
ENSG00000157542	21	KCNJ6	38979678	rs1787404	21	39049362	G	A	0.615308	0.0101512	0.00813027	0.211824	0.435524	0.0647193	1.70E-11	0.023308	0.0189864	0.2195907	0.7069962	19	0.72284625
ENSG00000235701	21	PCBP2P1	40543056	rs8132285	21	40655752	C	T	0.317097	0.0297693	0.00950185	0.00173029	0.524679	0.0889562	3.68E-09	0.0567381	0.0205062	0.00565956	0.2676134	11	0.26570111
ENSG00000255568	21	BRWD1-IT2	40685887	rs28494168	21	40707759	C	A	0.110338	0.00198392	0.0131666	0.880229	0.811897	0.141987	1.08E-08	0.00244356	0.0162227	0.8802708	0.8521352	9	0.98191477
ENSG00000205581	21	HMGN1	40714241	rs28629334	21	40724655	C	G	0.232604	0.00792197	0.00983474	0.420525	-0.385033	0.0663562	6.53E-09	-0.0205748	0.0257875	0.4249531	0.3199709	5	0.8444398
ENSG00000182093	21	WRB	40752170	rs2836998	21	40759882	C	T	0.692843	-0.0175867	0.00964472	0.0682354	0.323345	0.0527669	8.91E-10	-0.0543899	0.0311206	0.08051323	0.4923997	7	0.55522188
ENSG00000157578	21	LCA5L	40777770	rs2837002	21	40763986	G	T	0.693837	-0.0176086	0.00964693	0.0679548	-1.23923	0.0865876	1.84E-46	0.0142093	0.00784767	0.07019665	0.3106021	20	0.52346348
ENSG00000226496	21	LINC00323	42513427	rs9980363	21	42520134	C	T	0.192843	0.0244683	0.0113088	0.0304916	-0.724038	0.10812	2.13E-11	-0.0337942	0.0164141	0.03950805	0.2634685	6	0.44087342
ENSG00000182240	21	BACE2	42539728	rs3827211	21	42619254	G	A	0.460239	0.00012085	0.00820884	0.988254	-0.271197	0.0477909	1.39E-08	-0.0004456	0.030269	0.9882543	0.4438649	6	0.9989377
ENSG00000141956	21	PRDM15	43218385	rs143393748	21	43298846	T	C	0.12326	-0.0021272	0.0141624	0.880606	0.86645	0.105328	1.93E-16	-0.0024551	0.016348	0.8806262	0.2393852	7	0.98191477
ENSG00000227698	21	AP001619.2	43294865	rs10368	21	43305619	T	C	0.245527	0.0207076	0.00935737	0.0268992	-0.585363	0.105018	2.49E-08	-0.0353757	0.0171994	0.03970572	0.3545311	6	0.44087342
ENSG00000184385	21	C21orf128	43522244	rs1993364	21	43527134	C	T	0.27336	0.00806955	0.00886048	0.362435	0.76181	0.0932179	3.02E-16	0.0105926	0.0117028	0.3653955	0.1205193	14	0.81816933
ENSG00000235772	21	AP001625.6	43980484	rs12483424	21	43981658	A	G	0.21173	-0.0097002	0.00934171	0.299094	-0.6668	0.105933	3.08E-10	0.0145474	0.0141991	0.3055848	0.3367804	8	0.77894167
ENSG00000235023	21	AP001626.2	44068381	rs8134245	21	44068198	C	T	0.419483	-0.0018869	0.00811424	0.816116	-0.468901	0.0842493	2.61E-08	0.00402411	0.0173199	0.8162737	0.8950594	4	0.96637758
ENSG00000160194	21	NDUFV3	44299754	rs71320572	21	44333169	A	G	0.298211	-0.0004568	0.00828239	0.956015	0.676661	0.0740239	6.18E-20	-0.0006751	0.0122403	0.956016	0.8060067	17	0.99568877
ENSG00000233056	21	ERVH48-1	44336913	rs62217610	21	44358481	A	C	0.202783	0.00548567	0.00889441	0.537397	-0.566527	0.0860194	4.52E-11	-0.009683	0.0157686	0.5391703	0.8699244	12	0.87676048
ENSG00000160200	21	CBS	44473301	rs234728	21	44448775	A	G	0.372763	0.00043497	0.0081349	0.957358	-0.897496	0.0882623	2.74E-24	-0.0004846	0.00906412	0.9573588	0.7408185	20	0.99588232
ENSG00000160213	21	CSTB	45192393	rs2276528	21	45152500	A	G	0.151093	0.00063616	0.0105985	0.952137	-0.519366	0.0728542	1.01E-12	-0.0012249	0.0204073	0.9521385	0.691393	13	0.99373296
ENSG00000160218	21	TRAPPC10	45432200	rs3788098	21	45433364	A	G	0.154076	0.00051782	0.0111535	0.96297	-0.291069	0.0533734	4.94E-08	-0.001779	0.0383205	0.9629714	0.8481451	4	0.99596611
ENSG00000241945	21	PWP2	45527171	rs9981485	21	45515366	G	A	0.17992	0.00099668	0.0108812	0.927018	1.35252	0.101075	7.77E-41	0.00073691	0.00804532	0.9270201	0.1600068	19	0.99191324
ENSG00000160221	21	C21orf33	45553487	rs3788104	21	45512094	A	G	0.16501	-0.0090425	0.0116415	0.437309	1.40531	0.0987359	5.72E-46	-0.0064345	0.00829626	0.4379904	0.04775177	20	0.85252555
ENSG00000225331	21	AP001055.6	45578623	rs3788104	21	45512094	A	G	0.16501	-0.0090425	0.0116415	0.437309	0.954625	0.117955	5.82E-16	-0.0094723	0.0122509	0.4394086	0.06135082	14	0.85341858
ENSG00000141959	21	PFKL	45719934	rs4818906	21	45746225	A	G	0.822068	-0.0043384	0.00985965	0.659927	0.34019	0.0544829	4.27E-10	-0.0127528	0.0290547	0.6607151	0.9243093	7	0.92466627
ENSG00000160226	21	C21orf2	45748827	rs73374031	21	45759197	C	G	0.238569	-0.003711	0.0100537	0.712041	0.65572	0.0752493	2.93E-18	-0.0056594	0.0153461	0.7122879	0.9328746	7	0.93968224
ENSG00000184441	21	AP001062.7	45751117	rs58670754	21	45759746	A	T	0.238569	-0.0036722	0.0100432	0.714633	0.542623	0.0932306	5.88E-09	-0.0067675	0.0185451	0.7151704	0.6833106	7	0.93968224
ENSG00000142185	21	TRPM2	45770046	rs111406792	21	45785066	T	G	0.180915	-0.0069547	0.00921279	0.450315	-1.10669	0.0893008	2.86E-35	0.00628419	0.00834006	0.451153	0.2945958	20	0.85417294
ENSG00000230061	21	AP001065.2	45834473	rs56306722	21	45770681	T	C	0.15507	-0.0101493	0.00936889	0.278676	-0.753048	0.131753	1.09E-08	0.0134776	0.0126628	0.2871704	0.5867036	5	0.77196158
ENSG00000184787	21	UBE2G2	46188955	rs73232950	21	46208128	C	G	0.148111	0.00183702	0.0155952	0.906231	0.423616	0.0659159	1.30E-10	0.00433652	0.0368207	0.9062466	0.9136686	10	0.98739107
ENSG00000183255	21	PTTG1IP	46269500	rs33973568	21	46306594	A	G	0.10835	-0.0036594	0.011325	0.746605	0.332329	0.05597	2.89E-09	-0.0110112	0.0341281	0.7469649	0.9223137	8	0.94823724
ENSG00000227039	21	ITGB2-AS1	46340966	rs7276960	21	46350065	C	T	0.377734	0.0009657	0.00840658	0.908545	0.477705	0.081725	5.06E-09	0.00202154	0.0176012	0.9085622	0.8725116	4	0.98743921
ENSG00000197381	21	ADARB1	46493768	rs116993060	21	46569943	C	A	0.054672	-0.0127975	0.0159441	0.422178	-0.938532	0.116783	9.24E-16	0.0136357	0.0170729	0.4244792	0.6141645	18	0.8444398
ENSG00000182586	21	LINC00334	46654255	rs2297283	21	46683590	A	G	0.346918	0.00588168	0.00871867	0.499925	0.478892	0.0759963	2.95E-10	0.0122819	0.01831	0.5023641	0.5209705	14	0.86667263
ENSG00000215447	21	BX322557.10	46707967	rs2838862	21	46686726	T	C	0.340954	0.00383904	0.00877932	0.661907	-0.422819	0.0489548	5.77E-18	-0.0090796	0.0207904	0.6623124	0.06610002	19	0.92466627
ENSG00000223768	21	LINC00205	46713200	rs2838864	21	46711474	A	T	0.298211	0.0139251	0.00910312	0.126091	-0.751948	0.0638138	4.75E-32	-0.0185187	0.0122076	0.1292725	0.1957932	20	0.63721248
ENSG00000233922	21	AL133493.2	47013568	rs9978759	21	46990403	G	A	0.33996	0.00815589	0.00812862	0.315689	-0.556944	0.0851763	6.20E-11	-0.014644	0.0147659	0.3213211	0.8552659	6	0.79129441
ENSG00000183570	21	PCBP3	47063608	rs4819142	21	47122035	A	G	0.550696	-0.0071812	0.00809057	0.374756	0.373719	0.0575758	8.53E-11	-0.0192155	0.0218503	0.3791758	0.9570223	8	0.82033551
ENSG00000142156	21	COL6A1	47401651	rs2150459	21	47384407	C	T	0.353877	-0.0051674	0.00816881	0.527011	-0.736909	0.0716161	7.84E-25	0.00701224	0.0111062	0.5277905	0.9902489	20	0.87557054
ENSG00000160282	21	FTCD	47556176	rs62215189	21	47603995	G	A	0.243539	-0.0057408	0.0107455	0.593166	-0.985405	0.0843429	1.55E-31	0.00582584	0.010916	0.5935527	0.9202803	20	0.89807048
ENSG00000237338	21	FTCD-AS1	47571528	rs8133740	21	47594377	C	G	0.238569	-0.0098673	0.0110765	0.37302	-0.561443	0.0933071	1.78E-09	0.0175749	0.0199437	0.3781946	0.6045423	12	0.82033551
ENSG00000160284	21	SPATC1L	47581062	rs62215189	21	47603995	G	A	0.243539	-0.0057408	0.0107455	0.593166	-0.928972	0.0903666	8.67E-25	0.00617974	0.0115827	0.593665	0.8931645	20	0.89807048
ENSG00000160285	21	LSS	47608055	rs11909555	21	47617489	G	T	0.195825	0.0183028	0.00979636	0.0617163	-0.636421	0.0814582	5.59E-15	-0.0287589	0.0158269	0.06920286	0.6919476	20	0.52084703
ENSG00000182362	21	YBEY	47706251	rs62224180	21	47726332	G	C	0.785288	-0.0182852	0.00947401	0.0536019	-0.893612	0.10312	4.49E-18	0.0204621	0.0108617	0.05958129	0.4236689	20	0.50428503
ENSG00000160298	21	C21orf58	47720095	rs11089061	21	47729414	A	G	0.676938	-0.0144649	0.0089296	0.105257	0.586491	0.0641897	6.43E-20	-0.0246635	0.0154629	0.1107103	0.5881898	20	0.61396108
ENSG00000160307	21	S100B	48018875	rs13047696	21	48027177	A	G	0.685885	-0.0038505	0.00849796	0.650468	0.265142	0.0480312	3.39E-08	-0.0145225	0.0321584	0.6515618	0.8664269	4	0.92285128
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.06747	0.0772355	1.90E-43	0.0148331	0.00875971	0.09039199	0.6679345	20	0.58644276
ENSG00000273203	22	AC006946.16	17548711	rs3016112	22	17517388	T	C	0.727634	-0.0158694	0.00980534	0.105566	-0.515207	0.0866869	2.79E-09	0.030802	0.0197249	0.1183868	0.6140012	10	0.62295184
ENSG00000273442	22	AC006946.17	17561591	rs112175829	22	17534271	G	C	0.125249	0.00627265	0.0109091	0.565295	-0.713877	0.110719	1.14E-10	-0.0087867	0.0153421	0.5668346	0.3319472	10	0.88574495
ENSG00000177663	22	IL17RA	17565844	rs2845401	22	17538980	G	C	0.592445	-0.0158502	0.00818025	0.0526696	0.75435	0.0631038	6.18E-33	-0.0210117	0.0109856	0.05579214	0.9001428	20	0.49855845
ENSG00000183307	22	CECR6	17597189	rs62237787	22	17605197	C	G	0.222664	-0.0056251	0.00987093	0.568772	-0.474799	0.0711884	2.56E-11	0.0118473	0.0208654	0.5701752	0.6112455	15	0.8884863
ENSG00000069998	22	CECR5	17618401	rs4819971	22	17632744	T	A	0.459245	0.00284033	0.00807865	0.72515	0.394639	0.054117	3.05E-13	0.00719729	0.0204948	0.7254557	0.3124222	7	0.94070655
ENSG00000093072	22	CECR1	17660194	rs17807317	22	17680519	C	A	0.45825	-0.0081681	0.00810614	0.313627	0.96048	0.0805567	8.98E-33	-0.0085042	0.00846976	0.3153494	0.835125	18	0.78690309
ENSG00000099954	22	CECR2	17840837	rs5746365	22	17886458	A	G	0.550696	-0.0010483	0.00806604	0.896597	0.407052	0.0531793	1.94E-14	-0.0025753	0.0198186	0.8966112	0.5593155	7	0.98597578
ENSG00000131100	22	ATP6V1E1	18074902	rs5746448	22	18111556	C	A	0.140159	-0.0007655	0.0098262	0.937905	-0.274615	0.0501766	4.43E-08	0.00278753	0.0357854	0.937911	0.3440257	9	0.99333365
ENSG00000099968	22	BCL2L13	18111621	rs9605364	22	18127437	A	G	0.303181	-0.0036441	0.00855412	0.670104	0.455067	0.0641171	1.27E-12	-0.0080079	0.0188313	0.6706609	0.1631585	20	0.92466627
ENSG00000269220	22	LINC00528	18260088	rs7675	22	18270779	T	C	0.199801	0.00151962	0.0105916	0.885916	-0.648987	0.0888876	2.85E-13	-0.0023415	0.0163234	0.8859377	0.1989667	3	0.98384971
ENSG00000237517	22	DGCR5	18958027	rs9604914	22	18978304	A	G	0.119284	0.0131874	0.0128629	0.305257	0.67413	0.0982713	6.89E-12	0.0195621	0.0192927	0.3105989	0.5486202	13	0.78169199
ENSG00000271275	22	AC007326.9	18984651	rs2106147	22	18997367	C	T	0.315109	0.0145833	0.00861414	0.0904649	0.378121	0.0572289	3.92E-11	0.0385678	0.0235174	0.1010114	0.2714306	18	0.5994087
ENSG00000273032	22	DGCR9	19005347	rs1814226	22	18957129	T	C	0.311133	-0.0055899	0.00953677	0.557784	0.521382	0.0536826	2.67E-22	-0.0107212	0.0183246	0.5584992	0.4219007	20	0.88271976
ENSG00000273164	22	DGCR10	19010569	rs28757280	22	19009723	C	A	0.286282	0.0142016	0.00868107	0.101854	-0.787431	0.0751236	1.05E-25	-0.0180354	0.011158	0.1060166	0.07983392	20	0.60799736
ENSG00000241527	22	CA15P1	19019077	rs11089248	22	19018402	T	A	0.178926	0.0226467	0.0109288	0.0382464	-0.784458	0.111271	1.79E-12	-0.0288692	0.014521	0.04680048	0.2757454	20	0.47564762
ENSG00000100056	22	DGCR14	19117792	rs1936950	22	19132380	T	A	0.0775348	0.00250719	0.0135044	0.852714	-0.756049	0.102139	1.34E-13	-0.0033162	0.0178674	0.8527593	0.2604751	3	0.97754318
ENSG00000070371	22	CLTCL1	19166986	rs2904556	22	19281417	C	T	0.217694	-0.0064333	0.0102246	0.529217	0.635188	0.0911319	3.17E-12	-0.0101282	0.0161624	0.530888	0.2557171	8	0.87557054
ENSG00000185065	22	AC000068.5	19435416	rs75077817	22	19461105	A	G	0.183897	-0.0023098	0.00982395	0.814118	-0.5922	0.101354	5.13E-09	0.00390034	0.0166023	0.8142653	0.2934643	3	0.96637758
ENSG00000185838	22	GNB1L	19770747	rs3788304	22	19840196	G	C	0.201789	-0.0176159	0.0104327	0.0913103	0.524176	0.0884991	3.16E-09	-0.0336068	0.020696	0.104412	0.0198208	8	0.60498953
ENSG00000215012	22	C22orf29	19833661	rs5992492	22	19871204	C	T	0.447316	0.00412574	0.0082969	0.619003	-0.368815	0.054692	1.55E-11	-0.0111865	0.0225572	0.6199534	0.2138836	13	0.91031887
ENSG00000184470	22	TXNRD2	19863040	rs45616631	22	19930810	C	T	0.0447316	-0.0225904	0.0267328	0.398086	-1.3416	0.173219	9.55E-15	0.0168384	0.0200443	0.4008754	0.9113047	15	0.82963504
ENSG00000232926	22	AC000078.5	19874812	rs5748459	22	19859029	G	A	0.463221	0.00492761	0.00807573	0.541746	-0.492061	0.0710809	4.44E-12	-0.0100142	0.0164757	0.5433078	0.1104636	14	0.87870113
ENSG00000093010	22	COMT	19929130	rs45616631	22	19930810	C	T	0.0447316	-0.0225904	0.0267328	0.398086	-0.793134	0.114964	5.24E-12	0.0284825	0.0339572	0.4015953	0.9418776	6	0.83002948
ENSG00000099889	22	ARVCF	19957419	rs2531693	22	19984612	G	C	0.436382	0.0164914	0.00846898	0.0515027	-0.306806	0.0352109	2.95E-18	-0.0537519	0.0282846	0.05738155	0.02412427	20	0.49855845
ENSG00000183597	22	TANGO2	20004537	rs9605051	22	20020889	C	T	0.506958	-0.0004527	0.0080672	0.955245	0.397684	0.0621109	1.53E-10	-0.0011385	0.0202862	0.9552466	0.9629466	3	0.99512257
ENSG00000128185	22	DGCR6L	20301799	rs2904577	22	20293625	A	G	0.427435	0.00177114	0.00809645	0.826841	-0.308113	0.0450804	8.22E-12	-0.0057484	0.026291	0.826928	0.7952299	4	0.96886182
ENSG00000250261	22	AC007050.18	20941783	rs598141	22	21028138	A	G	0.525845	-0.0050297	0.00871028	0.563639	0.853673	0.0925749	2.93E-20	-0.0058918	0.0102233	0.5644021	0.9278469	20	0.88385716
ENSG00000223553	22	SMPD4P1	20956882	rs598141	22	21028138	A	G	0.525845	-0.0050297	0.00871028	0.563639	1.10466	0.0766542	4.42E-47	-0.0045532	0.00789136	0.5639522	0.9158449	20	0.88385716
ENSG00000229107	22	ABHD17AP4	21022124	rs499113	22	21026228	T	C	0.525845	-0.0050783	0.00870722	0.559737	1.04601	0.0812233	5.97E-38	-0.004855	0.00833275	0.5601391	0.942176	20	0.88271976
ENSG00000241973	22	PI4KA	21061979	rs165616	22	21173308	T	C	0.469185	0.00375959	0.00879765	0.669132	-0.227193	0.0352468	1.15E-10	-0.016548	0.0388083	0.6698134	0.4501427	20	0.92466627
ENSG00000099940	22	SNAP29	21213271	rs5751757	22	21052990	C	G	0.0735586	0.0210148	0.0170712	0.218319	-0.669905	0.114341	4.66E-09	-0.0313698	0.0260394	0.2283176	0.4859133	4	0.7275513
ENSG00000183773	22	AIFM3	21319396	rs17555258	22	21320947	G	C	0.0745527	0.0279738	0.0214075	0.191305	0.615264	0.102044	1.65E-09	0.0454663	0.0356018	0.2015738	0.4285446	5	0.70136928
ENSG00000230513	22	THAP7-AS1	21356175	rs28372939	22	21356824	A	G	0.21173	0.00642448	0.00951388	0.499502	-0.828752	0.0944885	1.77E-18	-0.007752	0.0115137	0.5007679	0.3908172	14	0.86539972
ENSG00000169668	22	BCRP2	21457305	rs2845419	22	21463515	A	G	0.261431	-0.0009081	0.0102459	0.929377	0.918965	0.108777	2.96E-17	-0.0009882	0.01115	0.9293811	0.5081031	4	0.99191324
ENSG00000197210	22	KB-1592A4.15	21468896	rs2845419	22	21463515	A	G	0.261431	-0.0009081	0.0102459	0.929377	0.83286	0.111001	6.23E-14	-0.0010903	0.0123029	0.9293821	0.3805127	3	0.99191324
ENSG00000183506	22	PI4KAP2	21827289	rs853295	22	21054588	C	T	0.473161	0.00394331	0.00878225	0.653425	0.668644	0.08793	2.87E-14	0.00589747	0.0131573	0.6539884	0.8970822	20	0.92291695
ENSG00000161180	22	CCDC116	21987005	rs7445	22	21977047	T	C	0.193837	-0.0243538	0.00868681	0.0050544	-0.827731	0.0980414	3.10E-17	0.0294224	0.0110582	0.00779835	0.67183	8	0.28592256
ENSG00000100023	22	PPIL2	22006559	rs5999098	22	22048862	T	C	0.324056	-0.0072194	0.00820787	0.37909	0.293575	0.0457829	1.43E-10	-0.0245914	0.0282201	0.383528	0.3809687	17	0.82154563
ENSG00000100034	22	PPM1F	22273793	rs75599828	22	22333062	C	G	0.178926	-0.0005163	0.0131033	0.968568	1.18892	0.0841988	2.84E-45	-0.0004343	0.0110212	0.9685678	0.4648704	20	0.99660087
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.641711	0.052895	7.17E-34	-0.0017057	0.0129897	0.8955272	0.230095	20	0.98597578
ENSG00000100038	22	TOP3B	22311397	rs75599828	22	22333062	C	G	0.178926	-0.0005163	0.0131033	0.968568	0.762546	0.0954405	1.35E-15	-0.0006771	0.0171838	0.9685681	0.3229242	18	0.99660087
ENSG00000228050	22	TOP3BP1	22577580	rs5756324	22	22335125	C	T	0.256461	-0.0006001	0.00931467	0.948635	1.18871	0.0892846	1.93E-40	-0.0005048	0.00783604	0.9486354	0.1709785	20	0.99338916
ENSG00000272779	22	LL22NC03-80A10.(	22657589	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.854066	0.0745038	2.01E-30	-0.004194	0.0104077	0.6869689	0.3076723	20	0.92986773
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.930515	0.0808528	1.19E-30	-0.0038495	0.0095526	0.6869675	0.4003442	20	0.92986773
ENSG00000211644	22	IGLV1-51	22676828	rs145255784	22	22632106	A	C	0.255467	0.00062187	0.00825129	0.939923	0.514719	0.0844847	1.11E-09	0.00120818	0.0160319	0.9399275	0.8485596	13	0.99338916
ENSG00000100228	22	RAB36	23487513	rs4820538	22	23465078	G	A	0.248509	-0.0126241	0.00884823	0.153654	0.28665	0.0495372	7.18E-09	-0.0440401	0.0317921	0.1659753	0.7064541	9	0.66350633
ENSG00000186716	22	BCR	23521891	rs180817	22	23658007	A	G	0.370775	-0.0079527	0.00822837	0.333797	-0.667234	0.0612592	1.26E-27	0.0119189	0.0123805	0.3356918	0.04840709	20	0.80314303
ENSG00000236611	22	AP000343.2	23668803	rs3876055	22	23661800	G	A	0.621272	0.00789613	0.0082381	0.337816	-0.841433	0.0699131	2.31E-33	-0.0093842	0.00982156	0.3393431	0.1230313	20	0.80766221
ENSG00000215478	22	CES5AP1	23701790	rs56665920	22	23730871	T	C	0.578529	-0.0021967	0.00859309	0.798228	0.681973	0.0795456	1.01E-17	-0.0032212	0.0126059	0.7983163	0.1979521	20	0.96314117
ENSG00000133519	22	ZDHHC8P1	23732793	rs4822404	22	23756971	A	G	0.513917	0.0065955	0.00848439	0.436941	0.467335	0.0700835	2.59E-11	0.014113	0.0182778	0.4400317	0.2499011	20	0.85394152
ENSG00000272733	22	KB-208E9.1	23923067	rs9284522	22	23978047	C	G	0.360835	-0.00313	0.00870547	0.719184	-1.00527	0.0975127	6.41E-25	0.00311363	0.0086651	0.7193481	0.283044	13	0.93968224
ENSG00000189269	22	C22orf43	23950639	rs9284522	22	23978047	C	G	0.360835	-0.00313	0.00870547	0.719184	-1.09071	0.0994812	5.69E-28	0.00286973	0.00798576	0.7193292	0.6109829	18	0.93968224
ENSG00000234353	22	AP000347.4	23980679	rs8143019	22	24057485	T	C	0.162028	0.00184637	0.0153418	0.904207	-0.62001	0.075607	2.40E-16	-0.002978	0.0247471	0.904217	0.5486382	15	0.98689075
ENSG00000272578	22	AP000347.2	24000281	rs9624267	22	24000528	T	G	0.167992	-0.0026341	0.0139015	0.849717	-1.06267	0.0916737	4.53E-31	0.00247872	0.0130834	0.8497362	0.6381356	16	0.97747911
ENSG00000128218	22	VPREB3	24094930	rs131441	22	24108756	C	T	0.83996	-0.0086888	0.0105722	0.411159	-0.785416	0.116896	1.83E-11	0.0110627	0.013561	0.4146303	0.02218248	6	0.83806414
ENSG00000099953	22	MMP11	24110413	rs2330623	22	24162745	T	C	0.524851	0.00225182	0.00816646	0.782748	0.498913	0.0795519	3.58E-10	0.00451345	0.0163843	0.7829522	0.2316416	19	0.95999897
ENSG00000099956	22	SMARCB1	24129150	rs11090286	22	24145318	T	C	0.122266	0.0205978	0.0118913	0.0832415	-0.68177	0.0861883	2.57E-15	-0.0302122	0.0178551	0.09063074	0.106837	20	0.58723594
ENSG00000099958	22	DERL3	24176690	rs5760034	22	24148899	G	A	0.629225	0.00124287	0.00830621	0.881055	0.46187	0.0728476	2.29E-10	0.00269095	0.0179889	0.8810883	0.3888958	10	0.98221276
ENSG00000240972	22	MIF	24236191	rs115133467	22	24232558	C	T	0.027833	-0.04113	0.0246694	0.0954663	-0.833641	0.142467	4.87E-09	0.0493378	0.0307701	0.1088395	0.4912568	7	0.60962213
ENSG00000218537	22	AP000350.4	24236613	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.833141	0.0780611	1.36E-26	0.0105309	0.0100707	0.2957003	0.2469463	20	0.77863838
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.22829	0.0676215	9.91E-74	0.00714302	0.00680936	0.294178	0.1542801	20	0.77761764
ENSG00000225282	22	AP000350.6	24269087	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.13593	0.0756796	6.34E-51	0.0077238	0.00736872	0.2945517	0.1853177	20	0.77761764
ENSG00000133433	22	GSTT2B	24299601	rs4822460	22	24267995	C	G	0.83499	-0.0092521	0.0114653	0.419687	-0.974372	0.106388	5.25E-20	0.00949544	0.0118124	0.4214835	0.02583491	20	0.84179807
ENSG00000272787	22	KB-226F1.2	24311400	rs4822466	22	24312204	A	G	0.562624	0.0123136	0.00829825	0.137842	0.937145	0.0806577	3.31E-31	0.0131395	0.00892674	0.1410415	0.4529767	20	0.63973458
ENSG00000099977	22	DDT	24313554	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.775681	0.0647784	4.84E-33	0.011311	0.010806	0.2952234	0.2530407	20	0.77835835
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.829898	0.0875993	2.70E-21	0.0149207	0.010047	0.1375195	0.8313386	20	0.63721248
ENSG00000224205	22	AP000351.4	24329511	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	1.0268	0.0789516	1.14E-38	0.0120595	0.00807341	0.1352459	0.8105685	20	0.63721248
ENSG00000099994	22	SUSD2	24577227	rs8141797	22	24582041	G	A	0.0616302	-0.009047	0.0145784	0.534877	0.652266	0.108801	2.03E-09	-0.0138702	0.0224698	0.5370501	0.7181961	11	0.87578658
ENSG00000128262	22	POM121L9P	24647796	rs34505104	22	24624609	G	A	0.298211	-0.0014607	0.00901261	0.871253	-0.569321	0.0885484	1.28E-10	0.0025656	0.0158355	0.8712933	0.224072	20	0.97882059
ENSG00000100024	22	UPB1	24863206	rs5760448	22	24882187	A	G	0.61332	-0.013237	0.00816071	0.104794	-0.599124	0.0725634	1.50E-16	0.0220939	0.0138814	0.1114707	0.6946236	16	0.61545125
ENSG00000167037	22	SGSM1	25202236	rs139676	22	25248765	G	A	0.2167	0.00216924	0.00897106	0.808932	0.5533	0.0934764	3.24E-09	0.00392055	0.0162273	0.809088	0.2359672	3	0.96594546
ENSG00000244752	22	CRYBB2	25615489	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	0.812845	0.127364	1.75E-10	-0.0493051	0.020686	0.01714908	0.3610014	6	0.35094177
ENSG00000272942	22	CTA-246H3.12	25830291	rs574946	22	25843884	G	A	0.39662	0.00868093	0.00820585	0.290104	0.785951	0.0964549	3.69E-16	0.0110451	0.0105283	0.2941364	0.4458799	16	0.77761764
ENSG00000272798	22	CTA-390C10.9	25832279	rs9612971	22	25838781	G	C	0.395626	0.00736337	0.00820935	0.369746	0.844109	0.0928467	9.77E-20	0.00872325	0.00977268	0.3720631	0.3949997	14	0.81938405
ENSG00000100058	22	CRYBB2P1	25844072	rs6004659	22	25856411	G	C	0.0735586	-0.0399541	0.0155995	0.0104299	0.789669	0.103266	2.06E-14	-0.050596	0.0208331	0.01515573	0.4886168	10	0.34725322
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.13049	0.110774	1.88E-24	0.0354514	0.0142281	0.01271505	0.3863923	15	0.33558412
ENSG00000100077	22	ADRBK2	25960816	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-0.480549	0.0807801	2.70E-09	0.0833992	0.0353567	0.01833445	0.5019511	8	0.35949739
ENSG00000100095	22	SEZ6L	26565440	rs6005011	22	26710772	T	C	0.192843	-0.0057968	0.0112417	0.606098	-0.469889	0.0722141	7.67E-11	0.0123365	0.0239992	0.6072253	0.09995701	3	0.90341567
ENSG00000100109	22	TFIP11	26887191	rs134136	22	26899474	C	T	0.654076	0.00965465	0.0086192	0.262657	-0.360287	0.0603129	2.32E-09	-0.0267971	0.0243401	0.2709206	0.7744675	14	0.75891975
ENSG00000261188	22	CTA-445C9.14	26908503	rs134144	22	26908970	A	G	0.0487078	0.0205675	0.0291476	0.480417	-1.07594	0.123526	3.03E-18	-0.0191158	0.0271791	0.481851	0.6584682	16	0.86066122
ENSG00000225783	22	MIAT	27042392	rs1981493	22	27057406	A	G	0.371769	-0.0126743	0.00852904	0.137275	0.422638	0.0729924	7.03E-09	-0.0299885	0.0208345	0.1500458	0.4148405	3	0.64835856
ENSG00000223704	22	RP1-90L6.2	27254597	rs9306427	22	27252454	C	T	0.246521	0.0303621	0.0103134	0.00324056	0.583694	0.0875427	2.60E-11	0.0520172	0.0193149	0.00707882	0.07076025	10	0.2675694
ENSG00000235954	22	TTC28-AS1	28315364	rs138631	22	28372834	T	C	0.479125	-0.00189	0.00806183	0.814646	0.394344	0.0592441	2.81E-11	-0.0047927	0.0204563	0.8147586	0.2822827	20	0.96637758
ENSG00000100154	22	TTC28	28374004	rs5762730	22	29039615	T	G	0.62326	-0.0137793	0.00859058	0.108715	0.467116	0.0567992	1.97E-16	-0.0294987	0.0187372	0.1154097	0.02054217	20	0.61814955
ENSG00000185340	22	GAS2L1	29702572	rs174768	22	29742841	C	T	0.16501	0.0157428	0.01278	0.218012	-0.680252	0.0738952	3.40E-20	-0.0231426	0.0189546	0.2221056	0.06849396	20	0.72284625
ENSG00000100276	22	RASL10A	29708922	rs174768	22	29742841	C	T	0.16501	0.0157428	0.01278	0.218012	-0.679343	0.0957436	1.29E-12	-0.0231736	0.0190937	0.2248712	0.07207947	12	0.7258405
ENSG00000100314	22	CABP7	30116073	rs140102	22	30128443	C	T	0.494036	-5.19E-05	0.00811789	0.994901	0.624581	0.0749903	8.16E-17	-8.31E-05	0.0129973	0.9949012	0.7403337	20	0.99906546
ENSG00000100325	22	ASCC2	30184597	rs5997520	22	30173177	C	T	0.0467197	0.0129344	0.0164433	0.43151	0.607228	0.0961991	2.75E-10	0.0213007	0.0272887	0.4350563	0.467981	5	0.85004605
ENSG00000100330	22	MTMR3	30279144	rs9625870	22	30261219	G	A	0.426441	-0.0063334	0.00809615	0.434052	-0.35764	0.0495925	5.53E-13	0.017709	0.0227705	0.4367373	0.8885803	19	0.85197522
ENSG00000239282	22	GATSL3	30681106	rs5753109	22	30777888	C	T	0.300199	0.0071276	0.0081767	0.383374	-0.3111	0.0481082	1.00E-10	-0.022911	0.0265209	0.3876521	0.4254225	14	0.82295689
ENSG00000133488	22	SEC14L4	30884900	rs529196427	22	30938576	T	G	0.026839	0.0204427	0.0178477	0.252043	1.63636	0.264966	6.59E-10	0.0124928	0.011093	0.2600846	0.8990108	4	0.74586579
ENSG00000214491	22	SEC14L6	30918786	rs5749123	22	30937512	A	G	0.753479	-0.008621	0.0089201	0.333812	0.57714	0.0719772	1.07E-15	-0.0149374	0.0155676	0.337297	0.8679659	10	0.80523268
ENSG00000237977	22	EIF4HP2	31298206	rs4820921	22	31378447	A	G	0.72167	-0.0106185	0.00896514	0.236248	0.538847	0.0851846	2.52E-10	-0.019706	0.0169268	0.2443475	0.7494907	5	0.73840068
ENSG00000138942	22	RNF185	31556168	rs5753631	22	31863022	C	A	0.275348	0.00919568	0.0084259	0.275115	0.549203	0.081317	1.44E-11	0.0167437	0.0155411	0.281309	0.9093397	20	0.76652901
ENSG00000198089	22	SFI1	31884674	rs5753713	22	31990675	A	G	0.824056	0.0173752	0.0116122	0.13458	-0.88055	0.0861144	1.53E-24	-0.0197322	0.0133279	0.1387342	0.3701184	20	0.63721248
ENSG00000241878	22	PISD	32014477	rs41282571	22	32015766	A	G	0.0367793	0.0218386	0.0165208	0.186207	1.0468	0.112866	1.78E-20	0.0208622	0.0159417	0.1906495	0.8108591	20	0.6894107
ENSG00000205853	22	RFPL3S	32755893	rs2294314	22	32794603	A	T	0.194831	-0.0035574	0.00934773	0.703524	-0.6628	0.0745784	6.26E-19	0.00536729	0.0141163	0.703783	0.8451384	20	0.93781922
ENSG00000241954	22	RP1-149A16.17	32779773	rs16990269	22	32761468	A	G	0.0407555	0.00214923	0.0196136	0.912743	-0.992693	0.174614	1.31E-08	-0.0021651	0.0197616	0.9127598	0.8731023	7	0.98753784
ENSG00000100225	22	FBXO7	32870663	rs2269502	22	32895892	G	A	0.375746	0.00797321	0.00810789	0.325416	0.401469	0.05612	8.44E-13	0.0198601	0.0203855	0.3299437	0.4902621	8	0.79886945

ENSG00000185666	22	SYN3	32908539	rs5998521	22	32900216	G	A	0.369781	0.00879165	0.00812948	0.279496	0.433389	0.0566902	2.09E-14	0.0202858	0.0189447	0.284263	0.7161543	7	0.76834841
ENSG00000100350	22	FOXRED2	36883237	rs146532334	22	36903096	T	C	0.0377734	0.00927211	0.0202896	0.647679	0.708255	0.111177	1.88E-10	0.0130915	0.0287209	0.6485216	0.678484	13	0.92239093
ENSG00000234688	22	RP1-293L6.1	37099963	rs5995332	22	37109653	C	A	0.142147	0.00567885	0.0101931	0.577439	0.695324	0.0822169	2.74E-17	0.0081672	0.0146913	0.5782642	0.04520273	11	0.89169006
ENSG00000100360	22	IFT27	37154246	rs5750307	22	37170977	T	C	0.753479	-0.0098545	0.00890794	0.268616	-0.315712	0.0554321	1.23E-08	0.0312134	0.0287427	0.277497	0.4411313	5	0.76430333
ENSG00000133466	22	C1QTNF6	37576207	rs229534	22	37588013	C	T	0.212724	-0.0212904	0.0101187	0.0353728	-0.727089	0.0774894	6.41E-21	0.0292817	0.0142623	0.04006486	0.9601052	15	0.44233003
ENSG00000100092	22	SH3BP1	38030661	rs743836	22	38050880	G	A	0.0785288	-0.0087383	0.0166127	0.598889	0.686936	0.106082	9.45E-11	-0.0127207	0.0242634	0.6000885	0.3349444	6	0.899969
ENSG00000100124	22	ANKRD54	38226862	rs141002682	22	38240368	C	G	0.055666	-0.0168435	0.01641	0.304696	1.16738	0.118588	7.27E-23	-0.0144285	0.0141333	0.3073102	0.6961621	7	0.77926177
ENSG00000184949	22	FAM227A	38974125	rs5757257	22	39110437	C	T	0.280318	-0.004888	0.00859617	0.569608	0.594026	0.0763097	7.00E-15	-0.0082287	0.0145096	0.5706334	0.7150306	20	0.88869451
ENSG00000228274	22	RP3-508I15.9	39063590	rs4820346	22	39125074	G	C	0.690855	-0.0023036	0.00823913	0.779785	0.521397	0.0782748	2.72E-11	-0.0044182	0.0158159	0.7799751	0.1578585	9	0.95969111
ENSG00000235209	22	CTA-150C2.13	39317232	rs5757322	22	39282191	A	G	0.625249	0.0119798	0.0082837	0.148124	0.647504	0.0900298	6.38E-13	0.0185015	0.0130494	0.1562462	0.6636611	11	0.65636425
ENSG00000239713	22	APOBEC3G	39436924	rs2413571	22	39481393	G	C	0.61829	-0.0007135	0.00814345	0.930178	-0.580956	0.0676429	8.81E-18	0.00122821	0.0140181	0.9301815	0.6650864	18	0.99191324
ENSG00000100321	22	SYNGR1	39745930	rs739141	22	39824450	T	C	0.633201	-0.0061215	0.00850824	0.471847	0.250127	0.0409244	9.84E-10	-0.0244735	0.0342506	0.4748916	0.3731071	6	0.85740342
ENSG00000100324	22	TAB1	39795746	rs743838	22	39824707	G	T	0.662028	-0.000753	0.00891099	0.932654	0.398427	0.0519271	1.68E-14	-0.00189	0.0223668	0.9326578	0.742797	14	0.99333365
ENSG00000100354	22	TNRC6B	40440821	rs9611306	22	40679233	A	G	0.423459	0.00580772	0.00829308	0.483734	-0.245478	0.0443948	3.21E-08	-0.0236588	0.0340533	0.4872062	0.4508559	3	0.86252211
ENSG00000100359	22	SGSM3	40766595	rs56066924	22	40806752	G	T	0.0387674	-0.0359131	0.0243165	0.139702	0.677381	0.0930734	3.39E-13	-0.0530176	0.0366295	0.1477846	0.154552	7	0.64632659
ENSG00000128285	22	MCHR1	41074754	rs17344784	22	41134941	T	C	0.134195	0.00176037	0.00987566	0.858524	-0.730896	0.0976503	7.16E-14	-0.0024085	0.0135155	0.8585637	0.3108431	9	0.97828063
ENSG00000196236	22	XPNPEP3	41253081	rs103197	22	41256802	G	A	0.542744	0.0123932	0.00807306	0.124751	0.329328	0.0549992	2.13E-09	0.0376318	0.0253065	0.1370046	0.6692304	14	0.63721248
ENSG00000235513	22	RP4-756G23.5	41605126	rs117018441	22	41553917	T	G	0.0218688	-0.081539	0.0447806	0.0686294	1.71371	0.221485	1.01E-14	-0.0475804	0.0268446	0.07632209	0.7730001	9	0.54632592
ENSG00000100399	22	CHADL	41625517	rs117018441	22	41553917	T	G	0.0218688	-0.081539	0.0447806	0.0686294	1.02453	0.15711	6.98E-11	-0.0795867	0.0453803	0.07946978	0.9020802	13	0.55409013
ENSG00000100401	22	RANGAP1	41641615	rs2235851	22	41660645	A	G	0.173956	-0.0023711	0.00977726	0.808388	-0.339548	0.053957	3.12E-10	0.00698296	0.0288163	0.808527	0.00946686	7	0.96594546
ENSG00000100403	22	ZC3H7B	41697526	rs1983631	22	41644074	T	C	0.342942	0.0270124	0.00859363	0.00167055	0.234627	0.0428913	4.49E-08	0.115129	0.042243	0.0064223	0.6593008	5	0.26570111
ENSG00000100413	22	POLR3H	41921808	rs11554327	22	41940371	G	T	0.217694	0.0223299	0.00939808	0.0175009	0.584714	0.0658782	6.95E-19	0.0381894	0.0166389	0.02172224	0.08669333	20	0.36953203
ENSG00000159958	22	TNFRSF13C	42321045	rs3752592	22	42342765	T	G	0.119284	0.00812135	0.0130513	0.53377	1.2131	0.123304	7.70E-23	0.00669471	0.0107801	0.5345847	0.3634449	20	0.87557054
ENSG00000100162	22	CENPM	42334725	rs78863773	22	42356321	T	G	0.116302	0.0176491	0.0139288	0.20512	1.19643	0.135445	1.02E-18	0.0147515	0.0117611	0.2097491	0.3406163	20	0.70981777
ENSG00000205704	22	LINC00634	42348169	rs7288749	22	42356430	T	C	0.229622	-0.0293346	0.0102601	0.00424844	-0.344869	0.0576868	2.25E-09	0.0850601	0.032978	0.00990001	0.8091834	8	0.31486913
ENSG00000183066	22	WBP2NL	42394729	rs9611712	22	42410993	C	T	0.279324	-0.0197513	0.0116514	0.0900389	-0.569725	0.0826228	5.37E-12	0.0346681	0.0210599	0.09972843	0.3830223	20	0.5994087
ENSG00000198951	22	NAGA	42454358	rs133358	22	42442539	T	A	0.473161	0.00685623	0.00804894	0.394316	0.783552	0.0622401	2.42E-36	0.00875019	0.0102959	0.3953949	0.01917481	20	0.82770689
ENSG00000183172	22	SMDT1	42475695	rs7291996	22	42492104	T	C	0.33499	0.00363078	0.00830088	0.661823	-0.889811	0.061822	5.72E-47	-0.0040804	0.00933312	0.6619698	0.4386046	20	0.92466627
ENSG00000184983	22	NDUFA6	42481529	rs117529804	22	42669104	T	C	0.028827	0.0291349	0.0283791	0.304594	1.76123	0.15624	1.79E-29	0.0165424	0.0161799	0.3065912	0.4177301	12	0.77894167
ENSG00000270083	22	RP1-257I20.14	42485634	rs117529804	22	42669104	T	C	0.028827	0.0291349	0.0283791	0.304594	1.3844	0.211233	5.61E-11	0.0210451	0.0207492	0.3104568	0.7197376	6	0.78169199
ENSG00000237037	22	NDUFA6-AS1	42486935	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	1.0292	0.081672	2.07E-36	-0.0198723	0.0121964	0.1032377	0.09927169	20	0.60336467
ENSG00000100197	22	CYP2D6	42522501	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	1.06688	0.0889411	3.76E-33	-0.0191705	0.0117759	0.1035363	0.08782783	20	0.60336467
ENSG00000227370	22	RP4-669P10.19	42528550	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	1.14362	0.0897203	3.26E-37	-0.0178841	0.0109741	0.1031726	0.05003564	20	0.60336467
ENSG00000205702	22	CYP2D7P1	42536214	rs28371703	22	42525821	T	G	0.172962	-0.0221139	0.0134409	0.0999148	0.846365	0.0882714	8.96E-22	-0.0261281	0.0161128	0.1048955	0.2431048	20	0.60570888
ENSG00000226450	22	CYP2D8P1	42545877	rs5751232	22	42564304	T	C	0.204771	-0.0277574	0.0127317	0.0292435	0.673156	0.0758659	7.12E-19	-0.0412347	0.019476	0.03424244	0.5418446	20	0.42178047
ENSG00000172250	22	SERHL	42896585	rs12160166	22	42924478	G	T	0.147117	0.0131701	0.0102219	0.1976	-0.816215	0.145684	2.11E-08	-0.0161356	0.0128504	0.2092446	0.2709158	7	0.70953584
ENSG00000189306	22	RRP7A	42905974	rs136980	22	42943481	A	G	0.154076	0.00772185	0.0112081	0.490851	0.686939	0.111267	6.67E-10	0.011241	0.0164173	0.4935317	0.8789033	9	0.86337555
ENSG00000182841	22	RRP7B	42951229	rs146980368	22	43003683	A	G	0.10835	0.0016862	0.0137933	0.902702	-0.760875	0.0892086	1.47E-17	-0.0022161	0.0181301	0.9027127	0.6113754	20	0.98662577
ENSG00000100227	22	POLDIP3	42979727	rs137117	22	43012853	C	A	0.323062	0.00799084	0.00848703	0.34643	0.463737	0.0601338	1.24E-14	0.0172314	0.0184373	0.3499967	0.7709506	20	0.81376292
ENSG00000270022	22	RNU12	43011250	rs137122	22	43013836	C	T	0.32008	0.00856262	0.00848489	0.312897	0.72869	0.0884552	1.75E-16	0.0117507	0.0117311	0.3165015	0.7049514	20	0.78822495
ENSG00000100243	22	CYB5R3	43013846	rs137124	22	43015716	C	T	0.16998	0.00536171	0.0104934	0.60938	-0.339195	0.0533974	2.12E-10	-0.0158072	0.0310361	0.6105313	0.7119035	16	0.90530044
ENSG00000230319	22	AL022476.2	43434591	rs7287713	22	43477077	G	A	0.384692	0.00496157	0.00859626	0.563819	0.550705	0.0738819	9.07E-14	0.00900949	0.0156563	0.5649835	0.3659186	20	0.88420078
ENSG00000100271	22	TTLL1	43435522	rs1052163	22	43435812	T	C	0.172962	0.0237588	0.0115389	0.0394921	-0.462555	0.074383	5.02E-10	-0.0513643	0.0262779	0.05062362	0.2761979	4	0.48550762
ENSG00000186732	22	MPPED1	43807202	rs8135509	22	43809158	T	C	0.173956	-0.0064633	0.0100251	0.519116	0.591385	0.0910683	8.37E-11	-0.0109291	0.0170352	0.5211616	0.1752885	11	0.87239215
ENSG00000130540	22	SULT4A1	44220389	rs138067	22	44227556	G	A	0.419483	-0.0027018	0.00806461	0.737614	0.257892	0.0324108	1.76E-15	-0.0104764	0.031299	0.737837	0.8261834	13	0.94584644
ENSG00000188677	22	PARVB	44395091	rs112385337	22	44420498	G	A	0.314115	0.00755719	0.00827101	0.360877	-0.717412	0.0701778	1.57E-24	-0.010534	0.0115749	0.3627865	0.6756869	5	0.81796267
ENSG00000100364	22	KIAA0930	45586219	rs1077566	22	45605166	G	T	0.425447	-0.0111051	0.00852942	0.192926	0.427121	0.0523492	3.38E-16	-0.0259999	0.0202222	0.1985445	0.6997895	17	0.70012354
ENSG00000100373	22	UPK3A	45680863	rs2673088	22	45683246	T	C	0.73161	0.00334794	0.0091134	0.713347	-0.573333	0.0954907	1.92E-09	-0.0058394	0.0159252	0.7138586	0.2487352	5	0.93968224
ENSG00000100376	22	FAM118A	45704849	rs5765271	22	45746826	G	T	0.865805	0.0127513	0.0105659	0.227499	-1.5139	0.110728	1.49E-42	-0.0084228	0.0070064	0.2293012	0.7439698	20	0.7275513
ENSG00000188064	22	WNT7B	46316242	rs739216	22	45978918	G	T	0.430417	0.00995575	0.00809627	0.21882	-0.3222	0.054067	2.53E-09	-0.0308993	0.0256575	0.2284738	0.1752952	6	0.7275513
ENSG00000130943	22	PKDREJ	46651560	rs6007740	22	46654323	A	G	0.16004	0.0195389	0.0122569	0.11091	-0.736251	0.0945731	6.97E-15	-0.0265384	0.0169932	0.1183564	0.5554784	20	0.62295184
ENSG00000075240	22	GRAMD4	46971909	rs9616046	22	46953712	T	C	0.397614	0.0151805	0.00816835	0.0631045	0.311353	0.0524243	2.87E-09	0.0487566	0.0274895	0.07612186	0.2587226	14	0.54584679
ENSG00000100422	22	CERK	47080308	rs710124	22	47080465	C	T	0.380716	0.0062701	0.00870965	0.471585	0.216937	0.0373945	6.58E-09	0.0289029	0.0404562	0.4749657	0.25442	5	0.85740342
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.981	0.0697463	6.21E-45	0.00228117	0.0086616	0.7922684	0.8530914	20	0.96044334
ENSG00000205632	22	WI2-81516E3.1	49288729	rs73179581	22	49290633	T	C	0.0715706	0.0171538	0.0180029	0.340673	0.657511	0.114528	9.41E-09	0.026089	0.0277549	0.3472293	0.6288987	5	0.8110906
ENSG00000235111	22	RP1-29C18.8	50006305	rs8141219	22	50044546	G	A	0.704771	-0.0059915	0.00867293	0.489676	-0.645356	0.0896572	6.11E-13	0.00928398	0.0135007	0.4916641	0.4808122	12	0.86252211
ENSG00000260613	22	RP3-522J7.6	50226264	rs5770725	22	50256309	T	C	0.856859	-0.0178935	0.0118807	0.132044	1.08431	0.106238	1.86E-24	-0.0165022	0.0110756	0.1362339	0.375308	20	0.63721248
ENSG00000100426	22	ZBED4	50247490	rs768619	22	50287266	T	C	0.206759	0.0209754	0.0107227	0.0504452	-0.463183	0.0633427	2.63E-13	-0.0452853	0.0239641	0.05879577	0.1204347	20	0.50150504
ENSG00000198355	22	PIM3	50354161	rs137856	22	50444484	G	A	0.518887	-0.0089214	0.00811995	0.271898	-0.336131	0.0522585	1.26E-10	0.0265415	0.024507	0.2788013	0.6922993	11	0.76632353
ENSG00000170638	22	TRABD	50624344	rs8238	22	50637597	C	G	0.559642	-0.0148779	0.00810036	0.0662552	-0.266444	0.0446008	2.32E-09	0.0558388	0.0318062	0.07915751	0.9922961	5	0.55335713
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.33426	0.116058	1.37E-30	0.0377578	0.019667	0.05487614	0.0017109	20	0.49855845
ENSG00000073169	22	SELO	50639408	rs5771214	22	50626301	T	C	0.240557	0.0079621	0.0100914	0.43011	-0.254605	0.045611	2.38E-08	-0.0312724	0.0400295	0.4346653	0.9663286	8	0.84994095
ENSG00000273137	22	RP3-402G11.28	50646890	rs2272851	22	50655098	G	A	0.616302	0.0170505	0.00831942	0.0404148	-0.68863	0.0682169	5.83E-24	-0.02476	0.0123276	0.04458962	0.8488862	20	0.46349438
ENSG00000128159	22	TUBGCP6	50656118	rs5771243	22	50662037	A	G	0.397614	0.0101838	0.00824007	0.216499	0.233282	0.0320172	3.19E-13	0.0436545	0.0358269	0.2230404	0.6927331	16	0.72360668
ENSG00000100429	22	HDAC10	50683612	rs13058062	22	50684296	C	T	0.735586	0.00076408	0.0093756	0.935047	-0.532312	0.0602017	9.39E-19	-0.0014354	0.0176137	0.9350498	0.9136891	7	0.99333365
ENSG00000188130	22	MAPK12	50683879	rs6010219	22	50693538	A	G	0.697813	0.00172744	0.00897181	0.847318	-0.645098	0.0619576	2.19E-25	-0.0026778	0.01391	0.8473443	0.5632963	20	0.97715336
ENSG00000205593	22	DENND6B	50747459	rs73439311	22	50753334	A	G	0.37674	0.00077627	0.00832897	0.925744	0.315198	0.0498916	2.66E-10	0.00246279	0.0264274	0.9257523	0.7169892	20	0.99165264
ENSG00000128165	22	ADM2	50919985	rs7511557	22	50939304	C	G	0.761431	-0.0080647	0.00939135	0.390484	0.69862	0.102634	9.97E-12	-0.0115438	0.0135493	0.3942213	0.5538593	5	0.82768412
ENSG00000100258	22	LMF2	50941376	rs41281543	22	50945799	G	C	0.0377734	-0.00535	0.0161801	0.740908	0.954971	0.0909577	8.72E-26	-0.0056023	0.0169514	0.7410303	0.3467678	9	0.94621977
ENSG00000025708	22	TYMP	50964181	rs141953471	22	50970068	T	C	0.0487078	-0.0409689	0.0235963	0.082522	1.10962	0.201779	3.82E-08	-0.0369216	0.0222999	0.09778658	0.2559043	3	0.59814366
ENSG00000130487	22	KLHDC7B	50986462	rs1557502	22	51013998	T	C	0.17992	-0.0055784	0.00954224	0.558815	-0.726244	0.123603	4.21E-09	0.00768121	0.013204	0.5607476	0.5842492	5	0.88280095
ENSG00000217442	22	SYCE3	50989541	rs41281531	22	50989537	A	G	0.0656064	0.00907102	0.0164967	0.58241	1.04238	0.157098	3.24E-11	0.00870222	0.0158802	0.5836986	0.5253522	10	0.89290364
ENSG00000205560	22	CPT1B	51007290	rs2269382	22	51018911	T	C	0.0377734	-0.018052	0.0179952	0.315785	-1.20229	0.107197	3.42E-29	0.0150147	0.0150272	0.3177135	0.9959653	20	0.79007285
ENSG00000100288	22	CHKB	51017378	rs86337	22	51020668	A	C	0.569583	0.00626675	0.0083578	0.45337	0.564292	0.0567113	2.52E-23	0.0111055	0.0148531	0.4546479	0.9181778	20	0.85417294
ENSG00000008735	22	MAPK8IP2	51039114	rs131735	22	51045480	A	G	0.592445	0.00577913	0.00832889	0.487767	-0.280799	0.0429129	6.01E-11	-0.020581	0.0298277	0.490196	0.9407609	11	0.86252211
ENSG00000184319	22	AC002055.4	51195376	rs2519461	22	51218377	C	G	0.0775348	-0.0141126	0.0155248	0.363332	-0.935283	0.123186	3.14E-14	0.0150891	0.0167176	0.3667437	0.363155	20	0.81816933
ENSG00000079974	22	RABL2B	51205929	rs373165495	22	51216149	A	C	0.141153	0.00730881	0.0113898	0.521068	0.851248	0.094833	2.80E-19	0.00858599	0.0134143	0.5221307	0.4131014	13	0.87239215
ENSG00000006756	23	ARSD	2822011	rs3747394	23	2847133	G	A	0.498695	0.0110763	0.00715226	0.121468	0.689347	0.050177	5.99E-43	0.0160678	0.0104411	0.1238294	0.203978	10	0.6305293
ENSG00000205664	23	RP11-706O15.1	3735569	rs188877474	23	3750535	C	T	0.140992	0.00046019	0.00867223	0.957681	0.577987	0.0884433	6.36E-11	0.00079619	0.0150047	0.957682	0.1540541	6	0.99596391
ENSG00000101871	23	MID1	10413350	rs2188898	23	10246961	A	T	0.225849	0.00202263	0.00829291	0.80731	0.694556	0.0725962	1.10E-21	0.00291212	0.0119438	0.8073706	0.95611	20	0.96581756
ENSG00000176896	23	TCEANC	13671225	rs5935650	23	13681679	T	G	0.51436	0.00032859	0.00712114	0.963197	-0.501682	0.0482432	2.50E-25	-0.000655	0.0141947	0.9631969	0.6819028	10	0.99599499
ENSG00000123595	23	RAB9A	13707244	rs12558341	23	13714062	G	A	0.608355	0.00826443	0.00738555	0.263141	-0.22781	0.0413736	3.67E-08	-0.0362777	0.0330825	0.2728233	0.9259862	5	0.76067603
ENSG00000046651	23	OFD1	13752832	rs6527959	23	13779124	A	G	0.23107	0.00297756	0.00820464	0.716671	-0.520974	0.0471671	2.31E-28	-0.0057154	0.0157572	0.7168171	0.3620265	12	0.93968224
ENSG00000212663	23	RP1-122K4.3	13998185	rs2158035	23	14043142	C	T	0.313316	0.00406854	0.00768711	0.59662	0.436576	0.0676321	1.08E-10	0.0093192	0.0176668	0.597848	0.9959685	9	0.89978219
ENSG00000046647	23	GEMIN8	14026398	rs60105052	23	14062183	A	G	0.300261	0.00293765	0.00783965	0.707871	-0.637321	0.0567953	3.20E-29	-0.0046094	0.0123078	0.7080262	0.6841595	15	0.93930081
ENSG00000101958	23	GLRA2	14547420	rs3027341	23	14589113	T	C	0.560052	-0.0069011	0.0070426	0.327129	-0.334151	0.0552687	1.49E-09	0.0206528	0.0213511	0.3333986	0.4841111	5	0.80220905
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.450328	0.044704	7.23E-24	-0.0202402	0.0168935	0.2308754	0.08172807	20	0.7275513
ENSG00000165197	23	FIGF	15363713	rs2271550	23	15511412	C	A	0.648825	0.0196323	0.00760092	0.00979783	0.453778	0.0658671	5.61E-12	0.0432641	0.0178888	0.01558466	0.1042787	9	0.34725322
ENSG00000087842	23	PIR	15402921	rs3827466	23	15512734	G	A	0.650131	0.019018	0.00759353	0.0122625	0.47408	0.0543161	2.59E-18	0.0401156	0.0166638	0.01606861	0.08030427	20	0.34725322
ENSG00000130234	23	ACE2	15579156	rs1996225	23	15711209	T	C	0.447781	-0.0009078	0.00705264	0.897582	0.448751	0.071866	4.26E-10	-0.0020229	0.0157195	0.8976031	0.769671	4	0.98597578
ENSG00000147003	23	TMEM27	15645441	rs5936026	23	15734004	T	C	0.527415	-0.0013704	0.00705872	0.846063	0.4755	0.0660879	6.25E-13	-0.002882	0.0148502	0.8461182	0.2181392	9	0.97670754
ENSG00000186312	23	CA5BP1	15693055	rs1978124	23	15618063	C	T	0.528721	-0.0004559	0.00705726	0.948496	0.223857	0.0406632	3.69E-08	-0.0020364	0.0315279	0.9484995	0.9803569	6	0.99338916
ENSG00000169249	23	ZRSR2	15808595	rs5936056	23	15814250	C	G	0.732376	-0.0105951	0.00805596	0.188445	-0.883097	0.055948	3.99E-56	0.0119977	0.00915401	0.1899774	0.7344435	18	0.68934009
ENSG00000102054	23	RBBP7	16857406	rs7055806	23	16884273	G	A	0.413838	-0.0111189	0.00728032	0.126698	-0.241761	0.0413132	4.86E-09	0.0459913	0.0311224	0.139473	0.07848614	3	0.63721248
ENSG00000180815	23	MAP3K15	19378174	rs5955566	23	19538627	A	G	0.16188	0.0110112	0.00794314	0.165669	0.913972	0.10356	1.09E-18	0.0120476	0.00879735	0.1708549	0.7494836	20	0.67130688
ENSG00000173681	23	CXorf23	19930978	rs73447111	23	20155044	A	G	0.193211	0.0136051	0.00841232	0.105816	-0.314312	0.0443395	1.35E-12	-0.0432853	0.027452	0.1148492	0.8888578	20	0.61794187
ENSG00000012174	23	MBTPS2	21857754	rs41303169	23	21903553	A	G	0.172324	0.00045557	0.00932754	0.961046	-0.387521	0.0423491	5.66E-20	-0.0011756	0.0240701	0.9610466	0.6086071	20	0.99596391
ENSG00000123131	23	PRDX4	23682379	rs11795545	23	23707513	A	G	0.321149	-0.009692	0.00721863	0.17939	-0.320768	0.0514457	4.52E-10	0.030215	0.0230201	0.1893344	0.8702814	9	0.68926194
ENSG00000242021	23	RP11-268G12.3	27061024	rs9919117	23	27459971	A	C	0.321149	0.0129639	0.00794764	0.102857	-0.526352	0.0774873	1.10E-11	-0.0246297	0.0155287	0.1127223	0.1287314	8	0.6163049
ENSG00000228933	23	RP11-268G12.1	27193037	rs12832130	23	27425317	A	G	0.375979	0.00658039	0.00742154	0.375261	-0.427012	0.0744304	9.63E-09	-0.0154103	0.0175865	0.3808899	0.2988903	7	0.82033551
ENSG00000229168	23	RPL19P20	44508375	rs66577694	23	44510663	A	G	0.249347	0.0170766	0.00798401	0.0324482	0.678881	0.080813	4.44E-17	0.025154	0.0121357	0.038198	0.00327836	7	0.44087342
ENSG00000147119	23	CHST7	46433219	rs6611279	23	46475904	T	C	0.519582	-0.0063663	0.00704031	0.365855	-0.384974	0.0404503	1.78E-21	0.016537	0.0183701	0.3680085	0.03957849	16	0.81816933
ENSG00000130988	23	RGN	46937775	rs6611328	23	46944155	C	A	0.617493	0.00326258	0.0074455	0.661244	-0.803672	0.0544934	3.17E-49	-0.0040596	0.00926844	0.6613851	0.6608068	20	0.92466627
ENSG00000206685	23	RNU6-1189P	46946905	rs6611328	23	46944155	C	A	0.617493	0.00326258	0.0074455	0.661244	-0.82808	0.058223	6.64E-46	-0.0039399	0.00899555	0.6613957	0.6496011	20	0.92466627
ENSG00000221994	23	ZNF630	47842756	rs502100	23	47928505	C	T	0.460836	-0.0046045	0.00705717	0.514109	0.427368	0.052645	4.74E-16	-0.010774	0.0165663	0.5154625	0.2892346	11	0.87139564
ENSG00000147155	23	EBP	48379546	rs1395950	23	48497163	T	C	0.33812	-0.017614	0.00733746	0.01637	0.436088	0.0521846	6.45E-17	-0.0403909	0.0175061	0.02104102	0.30453	13	0.36316121
ENSG00000228343	23	RP11-1148L6.5	48438162	rs7880909	23	48417006	T	C	0.0587467	-0.0066924	0.0173153	0.699124	-0.521736	0.0786609	3.30E-11	0.0128272	0.0332442	0.6996087	0.06846988	4	0.93735232
ENSG00000102109	23	PCSK1N	48689504	rs6608832	23	48717788	T	C	0.484334	-0.0063344	0.0070605	0.369632	-0.245893	0.0438437	2.04E-08	0.0257609	0.0290788	0.3756716	0.5080596	10	0.82033551
ENSG00000171365	23	CLCN5	49687225	rs151259	23	49697654	G	A	0.232376	0.00078785	0.00900152	0.930255	0.735448	0.0602141	2.62E-34	0.00107126	0.0122398	0.9302564	0.9384151	17	0.99191324
ENSG00000122824	23	NUDT10	51075083	rs1144826	23	51077017	A	G	0.372063	-0.0004549	0.00739161	0.950927	-0.475529	0.0595744	1.44E-15	0.00095661	0.0155444	0.950929	0.9106872	8	0.99362778
ENSG00000232593	23	RP11-258C19.5	53123327	rs5933620	23	53213697	T	C	0.971279	-0.0279273	0.0313169	0.372518	0.522679	0.0731207	8.79E-13	-0.0534311	0.0603806	0.3762079	0.9617214	5	0.82033551
ENSG00000072506	23	HSD17B10	53458206	rs1264018	23	53471786	G	A	0.603133	-0.0054714	0.00720667	0.447723	-0.269546	0.042194	1.68E-10	0.0202987	0.0269245	0.4509029	0.1536226	6	0.85417294
ENSG00000067445	23	TRO	54946895	rs2885186	23	54853820	T	C	0.395561	0.00795613	0.00716797	0.267018	-0.31556	0.041112	1.65E-14	-0.0252127	0.0229514	0.2719734	0.4492901	7	0.76040927
ENSG00000188021	23	UBQLN2	56590026	rs5914052	23	57129959	G	A	0.284595	-0.000589	0.00934364	0.94974	-0.175616	0.02834	5.76E-10	0.0033537	0.0532077	0.9497423	0.5293174	11	0.99338916
ENSG00000204272	23	RP11-622K12.1	56755692	rs964445	23	57555247	T	C	0.28329	0.00214223	0.00934011	0.818591	0.421856	0.0588471	7.57E-13	0.00507811	0.0221518	0.8186818	0.1301662	10	0.96809171
ENSG00000231831	23	MTHFD1P1	57419079	rs4914294	23	57774296	T	C	0.278068	-0.0030828	0.0094475	0.74419	0.735097	0.0659415	7.35E-29	-0.0041937	0.0128576	0.7442966	0.2012889	12	0.94723533
ENSG00000082458	23	DLG3	69664711	rs5936560	23	69698654	T	A	0.251958	-0.0052422	0.00881117	0.551874	-0.363629	0.0452319	9.04E-16	0.0144164	0.0242975	0.5529602	0.9745182	10	0.88133611
ENSG00000102309	23	PIN4	71401203	rs6625975	23	71404742	T	C	0.969974	0.00668329	0.0146459	0.648157	-0.72325	0.102988	2.18E-12	-0.0092406	0.0202928	0.6488469	0.9636913	3	0.92239093
ENSG00000226725	23	RP11-493K23.1	72218227	rs5958815	23	71899494	G	C	0.163185	-0.0138187	0.010025	0.168072	0.693243	0.0855911	5.52E-16	-0.0199334	0.0146689	0.1741829	0.6901359	20	0.67151653
ENSG00000231963	23	RP11-493K23.4	72300006	rs7472722	23	72315655	A	C	0.129243	-0.0086974	0.0106732	0.415137	-0.678685	0.0825698	2.04E-16	0.0128151	0.0158034	0.4174181	0.1971653	20	0.83933173
ENSG00000204118	23	NAP1L6	72345876	rs7066168	23	72376766	G	T	0.0953003	-0.0248176	0.0130524	0.0572519	0.66033	0.0842563	4.61E-15	-0.0375836	0.0203399	0.06463428	0.3030374	20	0.50845953
ENSG00000225470	23	JPX	73164159	rs7892040	23	73020027	G	A	0.0574413	-0.0338282	0.024916	0.174562	-0.697746	0.120752	7.54E-09	0.0484821	0.0366817	0.1862693	0.5476377	9	0.68634888
ENSG00000147100	23	SLC16A2	73641085	rs669773	23	73596655	G	A	0.300261	-0.0209987	0.00713239	0.00323862	0.346108	0.0619556	2.32E-08	-0.0606709	0.0232941	0.0091992	0.9730094	7	0.30710717
ENSG00000232186	23	RP11-311P8.2	74546607	rs73221959	23	74986891	A	G	0.0169713	0.0164801	0.0355069	0.642549	-0.811243	0.139266	5.71E-09	-0.0203146	0.0439072	0.6435998	0.5989535	3	0.92065454
ENSG00000187325	23	TAF9B	77385245	rs2268538	23	77361669	A	G	0.276762	-0.0033511	0.00775856	0.6658	-0.355159	0.0435213	3.33E-16	0.00943541	0.0218759	0.6662391	0.6868304	20	0.92466627
ENSG00000102362	23	SYTL4	99929488	rs4828052	23	99995933	G	C	0.519582	0.0005755	0.00708899	0.935297	0.340609	0.0371882	5.24E-20	0.00168962	0.0208135	0.9352996	0.2805371	12	0.99333365
ENSG00000007952	23	NOX1	100098313	rs5921670	23	100107330	C	T	0.633159	0.00065014	0.00793804	0.934725	0.358605	0.0618472	6.70E-09	0.00181298	0.0221381	0.9347311	0.4223582	7	0.99333365
ENSG00000188917	23	TRMT2B	100264335	rs113780984	23	100306853	T	C	0.110966	-0.0052484	0.0100364	0.60102	-0.784085	0.0895077	1.95E-18	0.00669364	0.0128229	0.6016667	0.5782636	5	0.90065642
ENSG00000126950	23	TMEM35	100333709	rs57587585	23	100339690	G	C	0.439948	-0.0008402	0.00715397	0.906508	0.21637	0.0237936	9.58E-20	-0.0038831	0.0330664	0.9065157	0.4500252	8	0.98739107
ENSG00000196440	23	ARMCX4	100673275	rs7066271	23	100801254	A	G	0.284595	-0.0089895	0.00752297	0.232113	0.276935	0.0379335	2.87E-13	-0.0324605	0.0275266	0.2383013	0.1736321	16	0.73261099
ENSG00000184905	23	TCEAL2	101380660	rs5945049	23	101437635	G	A	0.375979	-0.0031257	0.00723371	0.66567	-0.200251	0.0297692	1.73E-11	0.0156088	0.0361977	0.6663154	0.1696767	6	0.92466627
ENSG00000184515	23	BEX5	101408680	rs5944830	23	101310129	C	T	0.691906	-0.0058132	0.00764932	0.447275	0.21965	0.0353142	4.98E-10	-0.0264658	0.035084	0.4506357	0.1388829	7	0.85417294
ENSG00000198932	23	GPRASP1	101906294	rs143672620	23	102172244	T	C	0.0796345	0.00760108	0.0105022	0.469213	-0.38427	0.0598161	1.33E-10	-0.0197806	0.0275032	0.4720111	0.7795735	7	0.85740342
ENSG00000133169	23	BEX1	102317579	rs112015361	23	102324790	A	G	0.32376	-0.0087279	0.00745747	0.24186	0.179042	0.0311406	8.95E-09	-0.0487475	0.0425063	0.2514514	0.4429046	14	0.74510539
ENSG00000102409	23	BEX4	102470020	rs412725	23	102505078	C	T	0.618799	-0.001592	0.00708919	0.822321	-0.397172	0.0383064	3.46E-25	0.00400821	0.0178534	0.8223624	0.160759	20	0.96886182
ENSG00000133134	23	BEX2	102564274	rs5945684	23	102627894	C	T	0.587467	0.00168534	0.00706334	0.811413	-0.22059	0.0324958	1.13E-11	-0.0076402	0.03204	0.811527	0.8854504	20	0.96594546
ENSG00000172476	23	RAB40A	102754678	rs1180888	23	102770401	C	G	0.288512	-0.0024857	0.00837771	0.766692	-0.366263	0.0583075	3.35E-10	0.00678668	0.022899	0.7669439	0.04102751	12	0.95514229
ENSG00000188828	23	GLRA4	102962152	rs6616499	23	103174786	A	G	0.325065	-0.0040194	0.00730146	0.581983	0.569357	0.0596112	1.28E-21	-0.0070595	0.0128453	0.582608	0.7470426	11	0.89290364
ENSG00000147234	23	FRMPD3	106765680	rs5962829	23	106620310	C	A	0.199739	-0.0010592	0.0102944	0.91805	-0.461911	0.0484269	1.45E-21	0.00229306	0.0222878	0.9180551	0.4538562	12	0.98780912
ENSG00000157600	23	TMEM164	109245859	rs2347149	23	109222604	A	G	0.424282	0.00204354	0.00712595	0.774285	0.397816	0.057069	3.15E-12	0.0051369	0.0179278	0.7744707	0.4995818	7	0.95712351
ENSG00000243978	23	RGAG1	109602044	rs5942931	23	109699539	A	G	0.420366	-0.0100562	0.00730685	0.168736	0.660147	0.0520546	7.46E-37	-0.0152333	0.0111335	0.171238	0.1208521	9	0.67130688
ENSG00000235244	23	RP11-761E20.1	115033604	rs148153743	23	115046635	A	G	0.159269	0.00857283	0.0106445	0.420605	-0.614933	0.0905563	1.12E-11	-0.0139411	0.0174313	0.4238434	0.5447857	12	0.8444398
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.564193	0.0583553	4.11E-22	-0.0231765	0.0141823	0.1022195	0.2554275	12	0.60248939
ENSG00000018610	23	CXorf56	118672112	rs28548475	23	118695188	T	C	0.637076	-0.002629	0.00727568	0.717846	0.549763	0.0534362	7.96E-25	-0.0047821	0.0132424	0.7180111	0.497845	20	0.93968224
ENSG00000125351	23	UPF3B	118967985	rs2496221	23	118993029	G	A	0.930809	0.00111417	0.0114619	0.922563	-0.765125	0.103155	1.20E-13	-0.0014562	0.0149817	0.9225691	0.8431926	4	0.98950443
ENSG00000125352	23	RNF113A	119004497	rs1858934	23	119004405	A	T	0.493473	0.00108451	0.00705848	0.877888	0.383474	0.0419019	5.60E-20	0.00282812	0.0184093	0.8779056	0.6196166	20	0.98141463
ENSG00000258545	23	RP4-755D9.1	119170201	rs12556825	23	119229036	C	G	0.100522	0.0138742	0.0134006	0.300509	0.921359	0.127172	4.32E-13	0.0150584	0.0146921	0.3053966	0.3350866	3	0.77894167
ENSG00000101883	23	RHOXF1	119243011	rs12556825	23	119229036	C	G	0.100522	0.0138742	0.0134006	0.300509	-0.917599	0.108308	2.41E-17	-0.0151201	0.0147126	0.3040928	0.4991946	10	0.77894167
ENSG00000228139	23	GS1-421I3.4	119251552	rs12556825	23	119229036	C	G	0.100522	0.0138742	0.0134006	0.300509	-0.897628	0.129715	4.52E-12	-0.0154565	0.0150951	0.3058614	0.3639679	3	0.77894167
ENSG00000156709	23	AIFM1	129263337	rs209539	23	129300986	C	T	0.417755	-0.0064958	0.00710455	0.360552	0.320816	0.0469532	8.33E-12	-0.0202477	0.0223426	0.3648115	0.65445	10	0.81816933
ENSG00000212747	23	FAM127C	134154543	rs2475853	23	134156121	C	G	0.75718	0.0049918	0.00754638	0.508302	0.48349	0.0810434	2.43E-09	0.0103245	0.0157038	0.5108893	0.4944115	3	0.86972749
ENSG00000203930	23	LINC00632	139791932	rs4824956	23	139854825	G	A	0.139687	0.0130813	0.0106195	0.218019	-0.564144	0.063454	6.08E-19	-0.0231879	0.0190039	0.2224032	0.6633367	5	0.72284625

ENSG00000165509	23	MAGEC3	140926102	rs844949	23	140453415	T	G	0.879896	0.00293618	0.00957956	0.759221	0.676683	0.119654	1.56E-08	0.00433908	0.0141774	0.7595624	0.4240168	10	0.95437539
ENSG00000179542	23	SLITRK4	142710596	rs146188921	23	142714243	C	T	0.0691906	-0.0111979	0.0177088	0.527166	-0.611743	0.0908644	1.67E-11	0.0183049	0.0290755	0.5289795	0.2416227	3	0.87557054
ENSG00000185985	23	SLITRK2	144899350	rs5920061	23	145352553	C	T	0.62141	0.00865633	0.00708233	0.221615	0.286391	0.0496011	7.75E-09	0.0302256	0.0252776	0.2317958	0.5979328	9	0.7275513
ENSG00000010404	23	IDS	148558521	rs1064463	23	148562599	G	A	0.86423	-0.0241988	0.0109482	0.0270838	0.202212	0.0354529	1.17E-08	-0.11967	0.0580654	0.03930687	0.4980036	6	0.44087342
ENSG00000238039	23	AF011889.2	148593039	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.737415	0.0693974	2.26E-26	-0.0070615	0.00977056	0.4698421	0.9732356	20	0.85740342
ENSG00000241769	23	LINC00893	148609130	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.453581	0.0543245	6.86E-17	-0.0114804	0.0159074	0.4704775	0.9206971	16	0.85740342
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.855742	0.0717523	8.63E-33	0.00522621	0.00884008	0.5543897	0.8695953	20	0.88133611
ENSG00000130032	23	PRRG3	150863596	rs35662236	23	150863991	T	C	0.518277	-0.0048579	0.00726914	0.503948	-0.515678	0.0586002	1.37E-18	0.00942039	0.0141369	0.5051742	0.3392306	9	0.86796708
ENSG00000183837	23	PNMA3	152224766	rs73244173	23	152225379	A	C	0.451697	0.00088665	0.0070468	0.899872	-0.519239	0.0515174	6.85E-24	-0.0017076	0.0135725	0.8998797	0.291287	15	0.98623954
ENSG00000235961	23	PNMA6C	152240819	rs12558512	23	152561365	G	T	0.460836	-0.0024763	0.00709761	0.727168	-0.248749	0.0444993	2.27E-08	0.00995505	0.0285887	0.727678	0.1515496	5	0.94129453
ENSG00000189420	23	ZFP92	152683780	rs6643806	23	152666533	A	T	0.164491	-0.0058536	0.00959481	0.541809	-0.462461	0.0581861	1.90E-15	0.0126575	0.0208083	0.5429949	0.5699964	13	0.87870113
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.05663	0.153489	5.82E-12	-0.0127521	0.019781	0.5191424	0.2643491	7	0.87239215
ENSG00000213391	23	RP11-66N11.6	152871972	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.17905	0.170453	4.61E-12	-0.0114281	0.0177264	0.5191249	0.3763405	6	0.87239215
ENSG00000232725	23	U52111.14	153001080	rs731416	23	153031839	C	T	0.182768	-0.0094285	0.0090732	0.298732	-0.673346	0.0922736	2.94E-13	0.0140024	0.0136107	0.3035844	0.9293767	6	0.77894167
ENSG00000198753	23	PLXNB3	153029651	rs12689427	23	153026885	T	C	0.174935	-0.0101476	0.0095758	0.289274	-0.292721	0.047544	7.42E-10	0.0346665	0.0331941	0.2963206	0.9613253	5	0.77863838
ENSG00000184343	23	SRPK3	153041867	rs5987155	23	153041544	C	T	0.801567	-0.0020748	0.00837707	0.804386	0.449347	0.0586583	1.85E-14	-0.0046173	0.0186525	0.804486	0.2234066	15	0.96495736
ENSG00000067829	23	IDH3G	153051221	rs2071124	23	153055608	T	C	0.0665796	0.0258251	0.0143553	0.0720195	-0.309902	0.05602	3.17E-08	-0.0833331	0.0487099	0.08711713	0.5001318	4	0.5718196
ENSG00000180879	23	SSR4	153058971	rs2239714	23	153061775	G	A	0.342037	-0.0051505	0.00727576	0.479012	-0.448014	0.0401989	7.58E-29	0.0114962	0.0162728	0.4798963	0.07986395	20	0.85907573
ENSG00000089820	23	ARHGAP4	153172821	rs2070099	23	153175295	A	C	0.0430809	-0.010298	0.0205106	0.61561	0.71233	0.113608	3.61E-10	-0.0144568	0.0288858	0.6167373	0.8854542	3	0.90853728
ENSG00000177854	23	TMEM187	153237778	rs5945172	23	153243315	G	A	0.194517	0.00955257	0.00924187	0.301314	-0.603942	0.0603331	1.38E-23	-0.015817	0.0153839	0.3038783	0.05294222	20	0.77894167
ENSG00000147403	23	RPL10	153618315	rs762514	23	153675233	G	A	0.0822454	0.00681208	0.00987384	0.490249	-0.41418	0.0500547	1.29E-16	-0.0164471	0.0239222	0.4917511	0.09115445	20	0.86252211
ENSG00000013563	23	DNASE1L1	153629579	rs4898479	23	153595259	A	G	0.159269	-0.0107344	0.00846355	0.204689	-0.262697	0.0461656	1.27E-08	0.0408623	0.0330085	0.2157412	0.1149444	14	0.71695913
ENSG00000071859	23	FAM50A	153672473	rs2070826	23	153582198	C	T	0.0822454	0.00478526	0.0101241	0.636455	0.308738	0.0487326	2.37E-10	0.0154994	0.032883	0.6373906	0.09535607	13	0.91799509
ENSG00000130827	23	PLXNA3	153686621	rs2070822	23	153579448	G	A	0.203655	-0.0093381	0.00834324	0.263039	-0.477841	0.0433199	2.72E-28	0.0195422	0.0175499	0.265485	0.06330118	20	0.7501737
ENSG00000196976	23	LAGE3	153706028	rs6567	23	153706264	G	C	0.0979112	-0.0180929	0.0125489	0.149361	0.309673	0.0515862	1.94E-09	-0.0584258	0.0416755	0.1609381	0.1652344	9	0.65939472
ENSG00000071889	23	FAM3A	153733350	rs5986872	23	153744745	G	A	0.881201	0.0360925	0.0124274	0.00368112	-0.312385	0.0416283	6.18E-14	-0.115539	0.0426578	0.00675888	0.09871567	20	0.2675694
ENSG00000185515	23	BRCC3	154299695	rs5945280	23	154272827	C	G	0.168407	-0.0149695	0.00872797	0.0863237	-0.289527	0.0478634	1.46E-09	0.0517033	0.0313339	0.09892797	0.8640267	18	0.5994087
ENSG00000155961	23	RAB39B	154487526	rs3105279	23	154497666	A	C	0.766319	0.0111529	0.00796708	0.16155	0.241663	0.0390801	6.26E-10	0.0461506	0.0338019	0.1721507	0.2263307	16	0.67151653

Table S12. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in cerebellar hemisphere

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000225880	1	LINC00115	761586	rs3115850	1	761147	C	T	0.838966	-0.0077542	0.0101849	0.446454	-0.60413	0.0768336	3.76E-15	0.0128352	0.0169376	0.4485744	0.9709092	11	0.86795298
ENSG00000230368	1	FAM41C	803451	rs12132517	1	798801	A	G	0.0765408	-0.0118076	0.0142961	0.408843	-0.978045	0.169441	7.82E-09	0.0120727	0.0147659	0.4135833	0.8500537	4	0.85288297
ENSG00000223764	1	RP11-54O7.3	852245	rs1806780	1	872352	C	G	0.280318	0.0138701	0.00871525	0.111503	-0.58351	0.0963098	1.37E-09	-0.0237701	0.0154426	0.1237416	0.2089317	6	0.66833899
ENSG00000272512	1	RP11-54O7.17	931346	rs2799056	1	940005	G	A	0.380716	-0.003487	0.00817677	0.66978	-0.548208	0.0785478	2.97E-12	0.00636071	0.0149433	0.6703578	0.6457456	20	0.93167988
ENSG00000131591	1	C1orf159	1017198	rs6604966	1	1033670	C	T	0.166998	-0.0046407	0.00996291	0.641362	-0.406938	0.0607564	2.11E-11	0.0114039	0.0245418	0.6421647	0.6319608	7	0.92466301
ENSG00000176022	1	B3GALT6	1167629	rs7528416	1	1171249	C	T	0.0874751	-0.017835	0.0136423	0.191101	-0.572561	0.0666599	8.75E-18	0.0311495	0.0241012	0.1962027	0.6512521	20	0.73303545
ENSG00000127054	1	CPSF3L	1246965	rs307355	1	1265154	C	T	0.921471	-0.0018826	0.0121863	0.877226	-0.550206	0.0597588	3.35E-20	0.00342168	0.0221517	0.8772426	0.562111	20	0.97689669
ENSG00000224870	1	RP4-758J18.2	1334902	rs35860770	1	1307600	T	C	0.0457256	0.012396	0.0193455	0.521674	-0.698383	0.115671	1.56E-09	-0.0177496	0.027856	0.5240006	0.01496298	17	0.88695061
ENSG00000242485	1	MRPL20	1337288	rs2275915	1	1342612	C	G	0.16998	-0.0225282	0.0117561	0.0553261	0.440587	0.0453181	2.43E-22	-0.0511322	0.0271962	0.06009118	0.5464443	20	0.55267744
ENSG00000235098	1	ANKRD65	1353800	rs3766165	1	1354594	G	A	0.0924453	-0.0096122	0.0114549	0.401396	-1.3695	0.105719	2.22E-38	0.00701874	0.00838182	0.4023813	0.2167979	20	0.84432082
ENSG00000225905	1	RP4-758J18.7	1355625	rs1695855	1	1358442	T	C	0.0715706	-0.0040817	0.0121322	0.736541	-1.21842	0.164193	1.17E-13	0.00335001	0.00996755	0.7368017	0.7394556	14	0.94830822
ENSG00000215915	1	ATAD3C	1385069	rs2004444	1	1366394	A	G	0.185885	-0.0167797	0.00902206	0.0629057	-0.603947	0.094822	1.90E-10	0.0277834	0.0155623	0.07421326	0.6407932	18	0.57059276
ENSG00000160072	1	ATAD3B	1407143	rs144526264	1	1466393	A	G	0.0129225	0.0361086	0.042041	0.390401	-2.18261	0.225686	4.00E-22	-0.0165438	0.0193376	0.3922618	0.7171301	11	0.84301004
ENSG00000189339	1	SLC35E2B	1592939	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	-1.18969	0.0737707	1.65E-58	-0.0028688	0.00809751	0.7231248	0.4260013	20	0.94553222
ENSG00000269737	1	RP11-345P4.7	1603429	rs28678861	1	1606287	C	G	0.964215	0.059421	0.0198663	0.00278023	-1.41822	0.14741	6.52E-22	-0.0418983	0.0146692	0.00428745	0.9513325	13	0.27554195
ENSG00000215914	1	MMP23A	1631369	rs3737623	1	1620885	C	T	0.399602	0.00785969	0.00832998	0.345404	-0.812253	0.0961129	2.89E-17	-0.0096764	0.0103191	0.3483903	0.4969556	14	0.83151045
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.78221	0.208323	1.18E-17	-0.0074593	0.0173761	0.6677139	0.2437309	4	0.93167988
ENSG00000227775	1	RP1-283E3.4	1655951	rs4648774	1	1592881	A	C	0.295229	-0.0047811	0.00909746	0.599209	0.690976	0.0684558	5.89E-24	-0.0069193	0.0131839	0.5997027	0.6290751	20	0.9095417
ENSG00000215790	1	SLC35E2	1656277	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.55301	0.189823	2.81E-16	-0.0085602	0.0199429	0.6677506	0.2470324	4	0.93167988
ENSG00000008130	1	NADK	1682671	rs489788	1	1681719	G	A	0.452286	0.00680105	0.00819709	0.406713	-0.400308	0.0631814	2.36E-10	-0.0169895	0.0206518	0.4106974	0.9228347	15	0.85000195
ENSG00000231050	1	RP1-140A9.1	1822910	rs2803328	1	1874326	G	C	0.494036	0.0102447	0.00807025	0.204285	0.524213	0.071837	2.94E-13	0.019543	0.0156262	0.2110596	0.4422411	20	0.74515605
ENSG00000233542	1	RP11-547D24.1	1944652	rs3128322	1	1954436	A	G	0.826044	-9.86E-05	0.0110353	0.992873	0.97047	0.087647	1.71E-28	-0.0001016	0.0113711	0.9928729	0.5602473	11	0.99876374
ENSG00000162585	1	C1orf86	2115903	rs28719902	1	2060058	T	C	0.222664	-0.0070693	0.00979256	0.470354	-0.318032	0.0535755	2.92E-09	0.0222282	0.031018	0.4736065	0.69435	3	0.87583007
ENSG00000272420	1	RP4-740C4.7	2294500	rs4648834	1	2298255	G	A	0.352883	-0.0024625	0.00836731	0.768525	0.505432	0.0543795	1.48E-20	-0.0048722	0.0165631	0.7686376	0.9022662	20	0.9582832
ENSG00000224387	1	RP3-395M20.2	2423739	rs2477702	1	2424894	C	T	0.224652	0.00850229	0.00942516	0.367012	0.403336	0.0655494	7.60E-10	0.0210799	0.0236178	0.3721016	0.7087475	3	0.83735401
ENSG00000157873	1	TNFRSF14	2487078	rs146090614	1	2484748	C	T	0.489066	0.0118082	0.00806355	0.143087	0.599205	0.0739556	5.40E-16	0.0197064	0.0136751	0.1495722	0.4970619	18	0.68947905
ENSG00000228037	1	RP3-395M20.9	2512999	rs10752745	1	2507938	G	A	0.466203	0.0125483	0.00806346	0.119661	0.576299	0.0952755	1.46E-09	0.0217739	0.0144474	0.1317814	0.585548	4	0.67495201
ENSG00000266075	1	RN7SL574P	3699379	rs12728911	1	3709412	C	T	0.227634	-0.0076223	0.00974451	0.434087	0.670047	0.11769	1.25E-08	-0.0113758	0.0146796	0.4383769	0.1236404	5	0.86354175
ENSG00000169598	1	DFFB	3773845	rs41307043	1	3802018	C	T	0.16004	0.0108024	0.0110209	0.326996	-0.977903	0.0901368	2.01E-27	-0.0110465	0.0113158	0.3289663	0.9081345	19	0.82470658
ENSG00000198912	1	C1orf174	3805689	rs35241263	1	3831232	G	A	0.737575	-0.0057946	0.00938069	0.536762	0.726882	0.0978507	1.10E-13	-0.0079719	0.0129499	0.5381637	0.259473	11	0.88779913
ENSG00000131697	1	NPHP4	5922871	rs1295101	1	6056168	G	A	0.347913	0.0143529	0.00852077	0.0920916	-0.58118	0.0670634	4.47E-18	-0.0246961	0.0149355	0.09822621	0.09303372	20	0.63011258
ENSG00000226944	1	RP1-120G22.11	6264900	rs113616976	1	6275300	C	T	0.0477137	-0.0349715	0.0299452	0.242867	0.758807	0.137496	3.41E-08	-0.0460875	0.0403375	0.2532263	0.2037431	3	0.77529567
ENSG00000171680	1	PLEKHG5	6526152	rs3138156	1	6523430	C	T	0.0705765	0.00875556	0.0142592	0.539198	0.406565	0.073907	3.78E-08	0.0215354	0.0352902	0.5417035	0.9780709	9	0.88973986
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.706665	0.070851	1.98E-23	0.00291019	0.011422	0.7988871	0.06829961	16	0.96408387
ENSG00000049247	1	UTS2	7903143	rs4908485	1	7907984	G	A	0.15507	-0.0070987	0.00946858	0.453426	1.02629	0.129012	1.79E-15	-0.0069169	0.00926691	0.455421	0.5500281	20	0.86795298
ENSG00000049239	1	H6PD	9294834	rs11121349	1	9295794	C	G	0.404573	-0.0043335	0.00851947	0.610988	-0.861632	0.086215	1.62E-23	0.00502946	0.0099004	0.6114495	0.9966671	8	0.9147172
ENSG00000171608	1	PIK3CD	9711790	rs6669509	1	9748445	G	T	0.493042	0.00432236	0.00807543	0.592478	0.303877	0.0551435	3.57E-08	0.014224	0.0266997	0.5942127	0.9301121	4	0.90692128
ENSG00000175262	1	C1orf127	11006528	rs11121663	1	11024395	C	T	0.297217	0.00283074	0.0083924	0.735892	-0.885517	0.0732571	1.23E-33	-0.0031967	0.00948109	0.7359912	0.6874101	13	0.94830822
ENSG00000171824	1	EXOSC10	11126675	rs1211575	1	11118390	A	G	0.744533	0.005349	0.00893762	0.549519	-0.405861	0.0590081	6.07E-12	-0.0131794	0.0221046	0.5510225	0.2757523	17	0.89521833
ENSG00000162490	1	DRAXIN	11751786	rs12118130	1	11770039	T	C	0.0974155	0.00524011	0.0138009	0.704172	-0.828802	0.15156	4.54E-08	-0.0063225	0.0166917	0.7048502	0.4502915	3	0.94206936
ENSG00000177000	1	MTHFR	11845780	rs1476413	1	11852300	T	C	0.280318	-0.003727	0.008916	0.675941	0.537737	0.0738725	3.36E-13	-0.0069308	0.0166079	0.6764439	0.2463413	7	0.93468019
ENSG00000242349	1	NPPA-AS1	11901074	rs198397	1	11883332	G	A	0.403579	0.00027249	0.008391	0.974094	-0.823578	0.0750376	5.01E-28	-0.0003309	0.0101885	0.9740939	0.3488569	20	0.99262076
ENSG00000083444	1	PLOD1	11994262	rs41307745	1	12016957	G	T	0.0606362	0.00408413	0.0151728	0.787796	0.799781	0.111559	7.55E-13	0.00510656	0.0189846	0.7879413	0.2926109	12	0.96375538
ENSG00000259961	1	RP4-597A16.2	13839715	rs2990683	1	13841055	C	T	0.765408	0.0169961	0.0104685	0.104474	-0.671844	0.115775	6.51E-09	-0.0252977	0.0161801	0.1179331	0.9649053	5	0.66110705
ENSG00000175147	1	TMEM51-AS1	15442448	rs4423000	1	15458402	G	A	0.515905	0.00880809	0.00806925	0.275026	-0.695165	0.0673482	5.61E-25	-0.0126705	0.0116724	0.2776961	0.9603966	20	0.7930304
ENSG00000197312	1	DDI2	15943995	rs7535836	1	15955388	G	A	0.207753	-0.0091225	0.00962407	0.343186	0.411813	0.0600739	7.13E-12	-0.0221521	0.0235924	0.3477543	0.2377811	14	0.83151045
ENSG00000116786	1	PLEKHM2	16010827	rs35234014	1	16048662	A	G	0.244533	-0.0150185	0.00881584	0.0884606	0.582986	0.0603115	4.19E-22	-0.0257613	0.0153549	0.0934008	0.2379024	20	0.61734916
ENSG00000162461	1	SLC25A34	16062900	rs7553242	1	16060678	C	T	0.212724	-0.0042084	0.0101469	0.678327	-0.800505	0.0751966	1.83E-26	0.00525719	0.0126852	0.6785563	0.103609	15	0.93468019
ENSG00000179743	1	RP11-169K16.9	16160560	rs10927864	1	16165661	G	C	0.352883	-0.0157431	0.00913517	0.0848242	-0.441656	0.0724245	1.07E-09	0.0356456	0.021494	0.09723689	0.1560461	9	0.63011258
ENSG00000186510	1	CLCNKA	16345370	rs12746443	1	16359951	T	C	0.0775348	-0.0013252	0.0121657	0.91326	-0.928275	0.156296	2.86E-09	0.00142758	0.0131079	0.9132738	0.3791971	7	0.98098987
ENSG00000184908	1	CLCNKB	16370272	rs28505459	1	16407824	T	C	0.505964	0.00825001	0.00819117	0.313846	-0.570096	0.0978272	5.62E-09	-0.0144713	0.0145811	0.3209685	0.8958481	7	0.81748223
ENSG00000142632	1	ARHGEF19	16524349	rs221063	1	16537289	G	T	0.742545	0.00873467	0.00953619	0.359693	-0.937957	0.0948766	4.78E-23	-0.0093124	0.0102105	0.3617458	0.2085481	13	0.83426107
ENSG00000233929	1	MT1XP1	16567708	rs11581041	1	16643832	A	G	0.22664	-0.020017	0.00930905	0.0315341	0.52088	0.0932897	2.36E-08	-0.0384292	0.0191513	0.04479095	0.8562694	8	0.52660935
ENSG00000037637	1	FBXO42	16573334	rs11260714	1	16592683	A	T	0.333996	-0.0205674	0.00859125	0.0166659	-0.491782	0.0641659	1.80E-14	0.0418222	0.018302	0.02230634	0.9253505	9	0.41550628
ENSG00000187144	1	SPATA21	16713612	rs156912	1	16845600	A	G	0.543738	0.010705	0.00857596	0.211936	-0.428475	0.0763287	1.98E-08	-0.024984	0.0205039	0.2230358	0.9477199	11	0.75497764
ENSG00000226029	1	RP4-798A10.2	16787443	rs2005457	1	16808971	C	G	0.296223	-0.0045829	0.00929999	0.622161	0.445512	0.0763249	5.31E-09	-0.0102869	0.0209491	0.6233961	0.6095734	13	0.91894864
ENSG00000215908	1	CROCCP2	16944751	rs9435778	1	17227183	T	C	0.941352	0.0109517	0.0116548	0.347386	-0.930654	0.165134	1.74E-08	-0.0117677	0.0126961	0.3539901	0.6412854	4	0.83426107
ENSG00000186301	1	MST1P2	16972069	rs2284747	1	17306596	T	C	0.497018	-0.0040785	0.00805765	0.612742	0.508682	0.08752	6.17E-09	-0.0080177	0.0159002	0.6140829	0.92991	15	0.9147172
ENSG00000058453	1	CROCC	17066768	rs6691985	1	17289911	T	C	0.310139	0.0143631	0.00840636	0.0875246	0.485028	0.0521777	1.46E-20	0.0296129	0.017622	0.09287009	0.8802309	20	0.61615525
ENSG00000186715	1	MST1L	17081405	rs1985272	1	17188391	C	T	0.465209	0.00134508	0.0084758	0.873908	-0.638157	0.0981877	8.07E-11	-0.0021078	0.0132856	0.8739452	0.4633621	11	0.97689669
ENSG00000228549	1	U1	17197440	rs1985272	1	17188391	C	T	0.465209	0.00134508	0.0084758	0.873908	0.458713	0.0807642	1.35E-08	0.00293229	0.0184846	0.8739568	0.5005353	3	0.97689669
ENSG00000074964	1	ARHGEF10L	17866330	rs11203421	1	17868769	T	C	0.478131	0.00551363	0.00818087	0.500333	-0.402722	0.0544456	1.40E-13	-0.0136909	0.0203981	0.5021022	0.6057426	17	0.88095299
ENSG00000117154	1	IGSF21	18434240	rs4920462	1	18535255	A	T	0.67495	-0.0042124	0.00865984	0.626664	-0.358517	0.0516314	3.82E-12	0.0117495	0.0242138	0.6275068	0.3718753	11	0.91925859
ENSG00000127463	1	EMC1	19542158	rs2181597	1	19404176	A	G	0.423459	-0.020944	0.00812541	0.00994901	-0.390082	0.0497606	4.54E-15	0.0536913	0.0219271	0.01434038	0.7431612	20	0.37299146
ENSG00000211454	1	AKR7L	19592476	rs11589816	1	19587230	A	G	0.125249	-0.0011034	0.0134296	0.934518	0.444405	0.0719218	6.45E-10	-0.0024829	0.030222	0.9345238	0.5555991	6	0.98626797
ENSG00000040487	1	PQLC2	19638820	rs61766662	1	19657013	C	T	0.32008	0.00470706	0.0088657	0.595467	0.277847	0.0447347	5.26E-10	0.0169412	0.0320249	0.5968054	0.9192072	8	0.90850217
ENSG00000158747	1	NBL1	19967048	rs115614639	1	19971135	A	C	0.245527	0.0194592	0.00968952	0.0446149	-0.490368	0.0745319	4.73E-11	-0.0396828	0.0206597	0.05475898	0.5791308	3	0.54765098
ENSG00000169914	1	OTUD3	20209006	rs10492999	1	20237760	G	A	0.05666	0.015587	0.0132551	0.239624	1.34243	0.121842	3.14E-28	0.011611	0.00993004	0.2422893	0.465002	10	0.76612774
ENSG00000127472	1	PLA2G5	20354672	rs12402129	1	20375054	A	G	0.164016	-0.001187	0.00955963	0.90118	0.518882	0.0826355	3.40E-10	-0.0022877	0.0184271	0.901199	0.8786586	7	0.98098987
ENSG00000162545	1	CAMK2N1	20808884	rs2187918	1	20586380	G	A	0.671968	0.00331108	0.00915892	0.717715	-0.366894	0.0574266	1.67E-10	-0.0090246	0.0250033	0.7181466	0.961969	3	0.94380637
ENSG00000090432	1	MUL1	20825943	rs6700034	1	20834610	A	C	0.119284	-0.0155343	0.0123524	0.208541	0.510174	0.0921882	3.13E-08	-0.030449	0.0248294	0.2200753	0.3030574	5	0.75497764
ENSG00000117242	1	PINK1-AS	20969150	rs559542	1	20978410	C	T	0.413519	-0.0133146	0.00825411	0.106727	0.70958	0.077422	4.95E-20	-0.0187641	0.0118112	0.1121352	0.2985025	10	0.65367006
ENSG00000227001	1	NBPF2P	21751118	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	1.15628	0.104056	1.10E-28	-0.0115508	0.00817417	0.1576292	0.3630542	19	0.69778463
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.17985	0.0845	2.63E-44	0.0113201	0.00798709	0.1563957	0.286967	20	0.69588445
ENSG00000218510	1	LINC00339	22351681	rs11801382	1	22352108	T	C	0.27833	0.0065088	0.00916258	0.477476	1.06705	0.0867676	9.31E-35	0.00609981	0.00860115	0.4782094	0.1126315	19	0.87699866
ENSG00000204219	1	TCEA3	23707554	rs1986133	1	23804917	T	C	0.688867	-0.0127259	0.00917197	0.165295	0.443656	0.070318	2.80E-10	-0.0286842	0.0211676	0.1753865	0.3198826	3	0.71162277
ENSG00000142661	1	MYOM3	24382525	rs4448470	1	24471200	C	T	0.673956	-0.0069854	0.0094519	0.459881	-0.793052	0.0981282	6.38E-16	0.00880821	0.0119681	0.461747	0.5217981	8	0.87178458
ENSG00000142677	1	IL22RA1	24446261	rs4448470	1	24471200	C	T	0.673956	-0.0069854	0.0094519	0.459881	-1.16298	0.0887816	3.32E-39	0.00600644	0.00814024	0.4605931	0.6685614	14	0.87178458
ENSG00000261349	1	RP3-465N24.5	25592593	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-1.01859	0.0841089	9.31E-34	0.0300701	0.00866715	0.00052155	0.562524	13	0.16441006
ENSG00000187010	1	RHD	25598884	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-1.26036	0.0934399	1.83E-41	0.0243019	0.0069486	0.00046986	0.6188018	13	0.16441006
ENSG00000224183	1	SDHDP6	25620655	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.907736	0.1254	4.53E-13	0.0333857	0.0103964	0.00132144	0.9296459	4	0.17322719
ENSG00000183726	1	TMEM50A	25664408	rs2982341	1	25740190	T	C	0.540755	-0.0116725	0.00806798	0.147961	0.422376	0.0594538	1.21E-12	-0.0276353	0.0194935	0.1562871	0.00794807	7	0.69588445
ENSG00000188672	1	RHCE	25688740	rs646867	1	25709258	C	A	0.554672	-0.0126739	0.00805576	0.115655	0.700283	0.0809787	5.25E-18	-0.0180983	0.0116924	0.1216549	0.02466799	12	0.66559302
ENSG00000204178	1	TMEM57	25757388	rs596608	1	25663071	G	C	0.54672	-0.0135074	0.00806633	0.0940243	0.327232	0.0554059	3.50E-09	-0.0412777	0.0256218	0.1071714	0.8233064	5	0.64397126
ENSG00000157978	1	LDLRAP1	25870071	rs3924486	1	25892880	G	T	0.500994	-0.0059463	0.00809838	0.462795	0.410463	0.0431392	1.82E-21	-0.0144867	0.0197885	0.4641226	0.01796665	8	0.87178458
ENSG00000117640	1	MTFR1L	26145131	rs1127818	1	26146514	C	G	0.505964	-0.0139934	0.00807405	0.0830711	0.313739	0.0549211	1.11E-08	-0.044602	0.0268933	0.09721979	0.4183699	8	0.63011258
ENSG00000158006	1	PAFAH2	26286258	rs58286202	1	26339903	A	G	0.65507	0.01839	0.00950071	0.0529115	-0.621251	0.0807181	1.40E-14	-0.0296016	0.0157691	0.06049219	0.01319495	13	0.55267744
ENSG00000158008	1	EXTL1	26346375	rs10751731	1	26284884	T	C	0.643141	0.0167841	0.00943453	0.0752385	0.563981	0.0832052	1.22E-11	0.02976	0.017295	0.0853002	0.04646018	20	0.59548107
ENSG00000197245	1	FAM110D	26485511	rs3806383	1	26484721	T	G	0.313121	0.00527417	0.00841431	0.530784	0.446573	0.0803581	2.74E-08	0.0118103	0.0189614	0.5333764	0.3120062	6	0.88710629
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.865961	0.0669019	2.55E-38	0.0165498	0.0114393	0.1479656	0.00959521	20	0.68835807
ENSG00000130695	1	CEP85	26560691	rs6700455	1	26545864	C	T	0.297217	-0.0018965	0.00867507	0.826954	0.492354	0.0637725	1.16E-14	-0.0038518	0.0176266	0.8270218	0.6188276	13	0.9711119
ENSG00000142765	1	SYTL1	27668513	rs28385651	1	27696330	C	T	0.0258449	-0.0166466	0.0170713	0.329498	-1.03184	0.15498	2.78E-11	0.0161329	0.016721	0.3346306	0.9337884	7	0.82540122
ENSG00000142733	1	MAP3K6	27681675	rs151266984	1	27332637	G	T	0.0228628	0.00104901	0.0238299	0.964888	-1.21451	0.207279	4.65E-09	-0.0008637	0.0196216	0.9648889	0.7965651	4	0.9900137
ENSG00000174950	1	CD164L2	27705666	rs734725	1	27709858	T	G	0.120278	0.0109374	0.0133273	0.411831	1.49341	0.175991	2.14E-17	0.00732378	0.00896571	0.4140056	0.1137448	14	0.85288297
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.20396	0.0933257	4.46E-38	0.0178121	0.0160212	0.2662299	0.7248223	20	0.77929295
ENSG00000130768	1	SMPDL3B	28261504	rs4988882	1	28263257	T	C	0.437376	-0.0030535	0.0081209	0.706913	0.440609	0.0612796	6.47E-13	-0.0069302	0.0184563	0.7072946	0.4739645	10	0.94206936
ENSG00000158161	1	EYA3	28296855	rs12144104	1	28406173	A	G	0.292247	-0.019532	0.00861485	0.0233755	0.937982	0.0759534	4.90E-35	-0.0208234	0.00933795	0.02574891	0.7960161	14	0.43966264
ENSG00000130770	1	ATPIF1	28562620	rs490633	1	28538204	A	G	0.287276	-0.0077747	0.00901457	0.388437	-0.210865	0.0345149	1.00E-09	0.0368703	0.0431743	0.3931119	0.4364688	9	0.84301004
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.15166	0.0676966	6.68E-65	0.00597669	0.00784368	0.4460746	0.4987342	20	0.86795298
ENSG00000271398	1	RP5-1092A3.5	28573655	rs548177	1	28568093	C	T	0.294235	-0.0076613	0.00901731	0.395533	0.528528	0.0961827	3.91E-08	-0.0144956	0.0172639	0.4011054	0.7287921	3	0.84423725
ENSG00000204138	1	PHACTR4	28696114	rs2840761	1	28837436	T	A	0.348907	0.0167344	0.00838114	0.0458606	-0.581597	0.0717123	5.06E-16	-0.0287732	0.0148409	0.05252797	0.7802301	20	0.54056882
ENSG00000159023	1	EPB41	29213603	rs3102739	1	29286111	T	A	0.724652	0.0083246	0.00969101	0.390339	0.525866	0.0545067	5.03E-22	0.0158303	0.0185016	0.3922094	0.9420011	15	0.84301004
ENSG00000060656	1	PTPRU	29563028	rs212297	1	29723516	T	C	0.67495	-0.0128141	0.0082318	0.11955	-0.863356	0.083798	6.84E-25	0.0148422	0.00964287	0.1237582	0.3347389	6	0.66833899
ENSG00000121769	1	FABP3	31838472	rs11591060	1	31780012	A	G	0.607356	0.00097442	0.00817321	0.9051	0.536741	0.0674932	1.83E-15	0.00181543	0.0152292	0.9051109	0.1633267	20	0.98098987
ENSG00000220785	1	MTMR9LP	32697259	rs7544661	1	32705115	T	C	0.0328032	0.00353221	0.0173066	0.838279	1.30527	0.168893	1.09E-14	0.00270611	0.0132636	0.838334	0.9870852	12	0.97376482
ENSG00000184389	1	A3GALT2	33772367	rs11554674	1	33790496	A	G	0.241551	-0.0158294	0.0101842	0.120111	0.95368	0.109674	3.45E-18	-0.0165982	0.0108481	0.1260022	0.00937111	20	0.66875442
ENSG00000197056	1	ZMYM1	35525387	rs61778036	1	35600738	C	T	0.0178926	0.0408127	0.0442967	0.356868	1.17295	0.157936	1.11E-13	0.0347949	0.0380547	0.3605385	0.9926182	6	0.83426107
ENSG00000116883	1	RP11-268J15.5	36789335	rs12116935	1	36789546	G	A	0.421471	-0.0073506	0.00831824	0.376874	0.536753	0.0737663	3.43E-13	-0.0136945	0.0156112	0.3803645	0.3506501	12	0.83846816
ENSG00000116885	1	OSCP1	36881428	rs2275477	1	36886117	T	C	0.206759	-0.0086656	0.0105296	0.410522	0.602482	0.0917359	5.11E-11	-0.0143832	0.0176137	0.4141623	0.3108639	4	0.85288297
ENSG00000233621	1	RP11-422J8.1	37920480	rs11264060	1	37944506	A	G	0.329026	-0.0196281	0.00818396	0.0164687	-0.592314	0.086795	8.84E-12	0.033138	0.0146454	0.02365464	0.01044042	10	0.42398436
ENSG00000163879	1	DNALI1	38022520	rs6704190	1	38010751	T	C	0.581511	-0.0102489	0.00881511	0.244969	-0.81745	0.0844554	3.70E-22	0.0125376	0.0108612	0.2483554	0.3561909	20	0.77298486
ENSG00000204084	1	INPP5B	38326369	rs7518041	1	38241630	G	C	0.467197	0.0109236	0.00807063	0.175896	0.673055	0.0623695	3.78E-27	0.0162299	0.012085	0.179279	0.05679666	20	0.71537034
ENSG00000168653	1	NDUFS5	39491990	rs12043492	1	39457006	T	C	0.441352	0.00775152	0.00827549	0.348921	-0.346358	0.0405133	1.24E-17	-0.0223801	0.0240359	0.3517955	0.7739192	11	0.83426107
ENSG00000237624	1	OXCT2P1	39980628	rs1180342	1	39992878	G	T	0.640159	0.00263207	0.00836602	0.753054	-0.593625	0.0896148	3.49E-11	-0.0044339	0.014109	0.7533235	0.683116	20	0.95502521
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-1.38551	0.151783	6.96E-20	0.0042354	0.0120509	0.7252444	0.7369931	5	0.94553222
ENSG00000243970	1	PPIEL	39997510	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-1.38253	0.200952	5.99E-12	0.00424453	0.0120837	0.7253929	0.3804449	4	0.94553222
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.704246	0.0690173	1.90E-24	-0.0006729	0.0118715	0.9547984	0.4096062	17	0.98968811
ENSG00000116985	1	BMP8B	40222854	rs7518431	1	40214944	G	A	0.357853	0.00033467	0.00835317	0.968042	0.38938	0.070734	3.69E-08	0.00085949	0.0214531	0.9680424	0.2898374	3	0.99005812
ENSG00000198754	1	OXCT2	40235195	rs2311564	1	40253271	C	A	0.222664	0.00586671	0.0104445	0.574317	-0.628083	0.113692	3.31E-08	-0.0093407	0.0167149	0.5762831	0.1615858	3	0.9004891
ENSG00000043514	1	TRIT1	40306723	rs72666962	1	40359924	T	C	0.193837	0.00506874	0.0112729	0.65297	0.388786	0.0579041	1.89E-11	0.0130374	0.0290601	0.6536953	0.521271	14	0.92725626
ENSG00000187815	1	ZFP69	40942887	rs6690632	1	40939397	T	G	0.323062	-0.0051015	0.00878923	0.56163	-0.703908	0.0895248	3.76E-15	0.00724734	0.0125203	0.5626926	0.820176	10	0.89657901
ENSG00000238287	1	RP11-656D10.3	40958829	rs6600339	1	40940020	G	A	0.32505	-0.0047949	0.00877215	0.584649	-0.748451	0.103354	4.43E-13	0.00640646	0.0117537	0.5857146	0.7105531	8	0.90337163
ENSG00000272145	1	RP4-739H11.4	41156052	rs4660173	1	41213548	C	T	0.217694	-0.0012119	0.00971774	0.900754	0.551978	0.0691336	1.41E-15	-0.0021955	0.0176075	0.9007668	0.2774374	15	0.98098987
ENSG00000204060	1	FOXO6	41827594	rs12754476	1	41707651	A	C	0.114314	0.0148074	0.0125261	0.237157	0.925569	0.12693	3.05E-13	0.0159982	0.0137101	0.2432549	0.9167369	8	0.7674046
ENSG00000127124	1	HIVEP3	41972036	rs2993119	1	42350417	A	G	0.813121	-0.0096438	0.01051	0.358838	-0.551369	0.0767337	6.70E-13	0.0174907	0.0192164	0.3627203	0.1005409	18	0.83426107
ENSG00000066185	1	ZMYND12	42896000	rs16829540	1	42913760	T	C	0.16501	-0.015804	0.0126769	0.212515	-0.74783	0.111211	1.76E-11	0.0211331	0.0172404	0.2202781	0.1187674	5	0.75497764
ENSG00000164008	1	C1orf50	43232940	rs10493114	1	43245560	G	A	0.253479	0.00391403	0.00844733	0.643117	-0.673869	0.0724112	1.33E-20	-0.0058083	0.0125511	0.6435278	0.4676838	20	0.92500067
ENSG00000228452	1	RP5-994D16.9	43241484	rs33950227	1	43296173	T	C	0.252485	0.0040992	0.00844432	0.627365	0.694286	0.0937584	1.31E-13	0.0059042	0.0121887	0.6281027	0.5130946	20	0.91925859
ENSG00000177868	1	CCDC23	43272723	rs323720	1	43271033	C	T	0.323062	0.00036339	0.00825163	0.964874	0.462446	0.0529972	2.64E-18	0.0007858	0.0178437	0.9648741	0.1972102	16	0.9900137
ENSG00000164010	1	ERMAP	43282795	rs9960	1	43317793	A	G	0.162028	-0.0007594	0.0113443	0.946632	-0.705097	0.0941648	7.00E-14	0.00107695	0.0160896	0.9466338	0.1432249	3	0.98959553
ENSG00000227533	1	SLC2A1-AS1	43424720	rs710222	1	43413653	G	A	0.397614	-0.0090382	0.00808086	0.263366	0.715318	0.0974582	2.14E-13	-0.0126352	0.0114273	0.2688534	0.4927152	10	0.78217005
ENSG00000198198	1	SZT2	43855553	rs6954	1	43916642	C	T	0.584493	0.00026527	0.00828379	0.974454	-0.224928	0.037776	2.61E-09	-0.0011794	0.0368292	0.9744542	0.927401	7	0.99262076
ENSG00000117407	1	ARTN	44398992	rs12726706	1	44399942	A	G	0.757455	0.00337343	0.00936423	0.718663	-0.819809	0.0686951	7.87E-33	-0.0041149	0.0114277	0.7187855	0.5618688	20	0.94380637
ENSG00000117411	1	B4GALT2	44444615	rs1296542	1	44608776	C	T	0.987078	0.0581235	0.111599	0.60249	-0.907491	0.149515	1.28E-09	-0.0640486	0.123427	0.6038182	0.07374895	4	0.91274326
ENSG00000142937	1	RPS8	45240923	rs12126557	1	45257201	T	C	0.0954274	0.0170872	0.0114008	0.133933	-0.31297	0.0469146	2.54E-11	-0.0545969	0.0373358	0.1436534	0.6362949	16	0.68835807
ENSG00000117425	1	PTCH2	45285516	rs72676591	1	45436014	C	T	0.0596421	-0.0299368	0.0143193	0.0365578	0.806748	0.109248	1.53E-13	-0.037108	0.018447	0.04426242	0.3642219	5	0.52475565
ENSG00000117448	1	AKR1A1	46016215	rs3790585	1	46023356	T	A	0.141153	0.000763	0.0114981	0.947092	0.38628	0.0562877	6.76E-12	0.00197525	0.0297676	0.9470946	0.1984578	6	0.98959553
ENSG00000117481	1	NSUN4	46805849	rs12091789	1	46801471	C	T	0.2833	-0.0127324	0.0087772	0.146886	0.555404	0.0745179	9.10E-14	-0.0229246	0.0160998	0.1544743	0.2937817	9	0.69271049
ENSG00000117480	1	FAAH	46859937	rs35361357	1	46883086	G	C	0.743539	0.00252633	0.00869165	0.77131	0.311607	0.053944	7.63E-09	0.00810742	0.0279283	0.771591	0.9031579	6	0.96021255
ENSG00000232022	1	RP5-1109J22.1	46897801	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	-0.596313	0.0556008	7.78E-27	-0.0022891	0.0144725	0.8743216	0.7986182	20	0.97689669
ENSG00000079277	1	MKNK1	47023090	rs6669274	1	47088116	G	A	0.702783	-0.0130338	0.00879393	0.138305	-0.332744	0.0518766	1.42E-10	0.0391707	0.0271249	0.1487153	0.9202961	13	0.68857084
ENSG00000142961	1	MOB3C	47073387	rs6662520	1	47086257	G	A	0.722664	-0.0098002	0.00900232	0.276319	-0.413748	0.0645865	1.49E-10	0.0236863	0.0220699	0.2831635	0.3688471	20	0.79513447
ENSG00000162365	1	CYP4A22	47603107	rs12046525	1	47598605	A	T	0.338966	0.00878377	0.0083233	0.291278	-0.564978	0.101761	2.82E-08	-0.0155471	0.0149959	0.2998477	0.8229068	17	0.80667732
ENSG00000272491	1	RP5-1024N4.4	48693560	rs2275309	1	48937691	T	A	0.428429	-0.0021491	0.00829875	0.79566	0.603343	0.0986808	9.71E-10	-0.003562	0.0137669	0.795839	0.4631954	16	0.96375538
ENSG00000085832	1	EPS15	51819935	rs151129349	1	51999831	A	G	0.0506958	-0.0160628	0.0232633	0.489892	0.634367	0.103584	9.11E-10	-0.025321	0.036904	0.4926305	0.297256	4	0.88088085
ENSG00000078618	1	NRD1	52254863	rs112010165	1	52292576	T	C	0.0188867	0.00349979	0.0344865	0.919167	1.35677	0.235988	8.96E-09	0.0025795	0.025422	0.9191797	0.1776383	5	0.9810485
ENSG00000266993	1	RP4-657D16.3	52259637	rs8375	1	52266242	A	G	0.529821	0.00864011	0.00808452	0.285194	0.394345	0.0653148	1.56E-09	0.02191	0.0208198	0.292633	0.3317178	17	0.80429723
ENSG00000154222	1	CC2D1B	52811395	rs7513934	1	52818188	A	G	0.476143	-0.0057059	0.00809941	0.481134	0.367151	0.0530263	4.39E-12	-0.015541	0.0221741	0.4833888	0.9989441	11	0.87816986
ENSG00000134744	1	ZCCHC11	52873954	rs11805462	1	53003821	T	C	0.0506958	-0.0073924	0.0173094	0.669328	0.679859	0.0708746	8.60E-22	-0.0108734	0.0254855	0.6696352	0.9297609	17	0.93167988

ENSG00000121310	1	ECHDC2	53361656	rs7552139	1	53387379	C	G	0.580517	0.0117444	0.00808752	0.146455	0.345384	0.0621008	2.67E-08	0.0340039	0.0242011	0.1600039	0.3740461	4	0.69993711
ENSG00000162383	1	SLC1A7	53552855	rs11206111	1	53609496	T	C	0.367793	0.010745	0.00831645	0.19635	0.835116	0.0796835	1.06E-25	0.0128665	0.0100338	0.1997338	0.6996468	20	0.73474786
ENSG00000162384	1	C1orf123	53679771	rs67974630	1	53684924	G	A	0.311133	-0.0125	0.00826457	0.130413	-0.448132	0.0542777	1.50E-16	0.0278936	0.0187492	0.136824	0.5776332	14	0.67621438
ENSG00000157193	1	LRP8	53711217	rs3737984	1	53708850	T	G	0.405567	-0.0095972	0.00811224	0.236789	-0.338058	0.0530958	1.93E-10	0.0283892	0.0244073	0.2447725	0.4178061	5	0.76982172
ENSG00000174332	1	GLIS1	53971910	rs12406120	1	54195034	T	C	0.184891	-0.0165827	0.0120014	0.167055	0.781768	0.103811	5.05E-14	-0.0212118	0.0156079	0.1741327	0.1276136	20	0.71004558
ENSG00000116221	1	MRPL37	54649714	rs6693202	1	54669984	G	A	0.131213	-0.0245295	0.0107311	0.0222643	0.650425	0.0778253	6.41E-17	-0.037713	0.0171046	0.02746448	0.7631477	5	0.45322628
ENSG00000162399	1	BSND	55464606	rs2500336	1	55461796	G	A	0.797217	0.00222398	0.00954384	0.81574	-0.908867	0.0946423	7.75E-22	-0.002447	0.0105039	0.8157931	0.4012746	12	0.96881317
ENSG00000169174	1	PCSK9	55505221	rs11583680	1	55505668	T	C	0.134195	0.0119573	0.0134869	0.375301	-0.791062	0.122251	9.75E-11	-0.0151155	0.0172084	0.3797376	0.6995659	4	0.83846816
ENSG00000162402	1	USP24	55532032	rs12239911	1	55723756	A	C	0.195825	-0.002871	0.00874996	0.742826	0.402378	0.0644331	4.24E-10	-0.007135	0.0217756	0.7431676	0.6250699	6	0.95082761
ENSG00000173406	1	DAB1	57460451	rs12139429	1	57812260	T	G	0.421471	0.00138424	0.00828299	0.867277	0.534364	0.0710622	5.49E-14	0.00259044	0.0155045	0.8673094	0.2398449	14	0.9761713
ENSG00000227935	1	RP6-102O10.1	57852248	rs11207022	1	57848758	C	T	0.398608	0.00545899	0.00850349	0.520892	0.60396	0.0828573	3.12E-13	0.00903866	0.0141341	0.5225009	0.1954391	17	0.88693216
ENSG00000240563	1	L1TD1	62660503	rs2481703	1	62644118	G	A	0.536779	0.00196236	0.00810422	0.808671	0.992136	0.0905325	6.02E-28	0.00197791	0.00817045	0.8087171	0.3886438	20	0.96875846
ENSG00000125703	1	ATG4C	63249806	rs4457613	1	63262982	G	A	0.137177	0.030909	0.0116675	0.00806956	0.66735	0.0749409	5.34E-19	0.046316	0.0182406	0.01111138	0.5858992	14	0.35263947
ENSG00000088035	1	ALG6	63833261	rs6697508	1	63893394	G	A	0.687873	-0.0159401	0.00857618	0.0630769	0.721323	0.0679712	2.62E-26	-0.0220984	0.0120705	0.06713331	0.2424122	7	0.56065982
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-0.956311	0.0835756	2.57E-30	0.0170106	0.00907727	0.06093403	0.1430534	7	0.55267744
ENSG00000203965	1	EFCAB7	63989043	rs3850637	1	64061137	T	C	0.144135	-0.0240683	0.0118547	0.0423282	0.593264	0.0731722	5.16E-16	-0.0405693	0.0205991	0.04889966	0.5187145	17	0.53502872
ENSG00000116652	1	DLEU2L	64014588	rs12135393	1	63879440	G	A	0.327038	-0.0042434	0.00884772	0.63151	-0.268473	0.0468035	9.68E-09	0.0158056	0.0330707	0.6326965	0.9751514	5	0.92171712
ENSG00000185483	1	ROR1	64239693	rs3861946	1	64383389	A	C	0.522863	0.0048178	0.00860152	0.575404	-0.809558	0.0631958	1.44E-37	-0.0059512	0.0106351	0.5757689	0.3602963	7	0.9004891
ENSG00000162437	1	RAVER2	65210778	rs12028127	1	65258219	C	T	0.0656064	0.012523	0.0123159	0.30924	0.800226	0.146421	4.62E-08	0.0156493	0.0156546	0.3174745	0.6438946	6	0.81725858
ENSG00000162434	1	JAK1	65298912	rs310241	1	65303338	G	A	0.244533	0.00403473	0.00908997	0.657139	-0.606891	0.0559802	2.20E-27	-0.0066482	0.0149905	0.657408	0.5683333	20	0.92834527
ENSG00000116678	1	LEPR	65886248	rs7534350	1	65907892	C	G	0.434394	0.00738414	0.0082771	0.372331	-0.355205	0.0595118	2.39E-09	-0.0207884	0.0235612	0.3776062	0.9807275	11	0.83735401
ENSG00000152760	1	TCTEX1D1	67218142	rs17442361	1	67255229	C	T	0.149105	0.0265262	0.0121415	0.0289068	-0.511559	0.078281	6.36E-11	-0.0518536	0.0250256	0.03826304	0.4212623	7	0.50417602
ENSG00000197568	1	HHLA3	70820488	rs12732737	1	70823816	G	C	0.263419	0.00540478	0.0107056	0.61366	-0.504302	0.0734333	6.53E-12	-0.0107173	0.0212858	0.6146151	0.5239432	5	0.9147172
ENSG00000227207	1	RPL31P12	72767155	rs2568956	1	72764376	C	T	0.641153	0.0242403	0.00844632	0.00410573	-1.05058	0.0896829	1.08E-31	-0.0230733	0.00827743	0.00531181	0.5928812	20	0.27554195
ENSG00000116783	1	TNNI3K	74663947	rs34018059	1	74641756	G	C	0.407555	0.00105024	0.0085646	0.902403	0.469125	0.0771044	1.17E-09	0.00223872	0.0182602	0.9024232	0.8943836	5	0.98098987
ENSG00000162621	1	LRRC53	74935562	rs274588	1	74942672	G	T	0.562624	0.0155397	0.00820604	0.0582666	-0.710855	0.105215	1.42E-11	-0.0218606	0.0119888	0.06824001	0.7780133	7	0.56129172
ENSG00000272864	1	RP11-17E13.2	75164453	rs28588069	1	75220929	G	A	0.543738	0.0099952	0.00811597	0.218118	-0.758167	0.0765995	4.26E-23	-0.0131834	0.0107873	0.2216611	0.04277808	18	0.75497764
ENSG00000116791	1	CRYZ	75171170	rs17617240	1	75173938	T	C	0.0417495	0.0514158	0.0279986	0.066304	-1.21846	0.179376	1.10E-11	-0.0421974	0.0238036	0.07627296	0.01216256	8	0.57457094
ENSG00000162623	1	TYW3	75198836	rs28588069	1	75220929	G	A	0.543738	0.0099952	0.00811597	0.218118	-0.399111	0.0569625	2.44E-12	-0.0250437	0.0206469	0.225148	0.0516158	13	0.7565516
ENSG00000137968	1	SLC44A5	75667816	rs61653323	1	76024919	T	C	0.184891	0.0220955	0.00999055	0.0269917	0.747729	0.106429	2.13E-12	0.0295501	0.0140076	0.03489437	0.4449704	10	0.49063389
ENSG00000117054	1	ACADM	76190036	rs12136754	1	76230232	A	C	0.323062	0.00570118	0.00893535	0.523443	-0.671994	0.0680276	5.17E-23	-0.008484	0.0133245	0.5243066	0.9466187	15	0.88695061
ENSG00000057468	1	MSH4	76262567	rs1146610	1	76241323	A	G	0.636183	0.00476423	0.00823674	0.562987	0.633248	0.0809727	5.26E-15	0.00752348	0.0130427	0.5640499	0.9985682	20	0.89657901
ENSG00000162642	1	C1orf52	85715639	rs962409	1	85732941	C	A	0.454274	-0.010912	0.00806865	0.176249	-0.348142	0.0574093	1.33E-09	0.0313435	0.0237457	0.1868454	0.4457688	8	0.72629627
ENSG00000117174	1	ZNHIT6	86115106	rs1928626	1	86092097	T	C	0.450298	0.0169746	0.0081045	0.0362185	-0.364233	0.0640128	1.27E-08	-0.0466037	0.0237104	0.04935233	0.1850925	6	0.53502872
ENSG00000122417	1	ODF2L	86814344	rs4534352	1	86860792	T	C	0.318091	0.00321419	0.00858018	0.707952	-0.569422	0.0622955	6.21E-20	-0.0056447	0.0150809	0.708187	0.6751444	20	0.94206936
ENSG00000267272	1	RP5-1052I5.1	87595448	rs6686259	1	87598117	G	T	0.728628	0.0114793	0.00893255	0.198755	0.728841	0.0966308	4.61E-14	0.0157501	0.0124324	0.2052081	0.1641024	8	0.74155842
ENSG00000137944	1	CCBL2	89401456	rs10801690	1	89373371	C	T	0.479125	-0.00944	0.00810348	0.244047	-0.446537	0.060153	1.14E-13	0.0211404	0.0183695	0.2497956	0.4921965	15	0.77306764
ENSG00000117226	1	GBP3	89472349	rs12121223	1	89481583	T	C	0.32008	0.0176619	0.00946381	0.0620055	-0.995079	0.0818941	5.68E-34	-0.0177492	0.00962214	0.06509196	0.5701804	20	0.56039255
ENSG00000197147	1	LRRC8B	89990395	rs143919532	1	89990702	G	T	0.0526839	-0.0183404	0.0287289	0.523215	1.28818	0.177142	3.54E-13	-0.0142375	0.0223877	0.5248092	0.9591491	5	0.88695061
ENSG00000162669	1	HFM1	91726323	rs17131429	1	91870410	C	G	0.302187	0.018725	0.00900906	0.0376669	0.506174	0.0625379	5.78E-16	0.0369932	0.0183758	0.04409927	0.02278633	17	0.52475565
ENSG00000097046	1	CDC7	91966408	rs13447450	1	91965850	T	C	0.393638	-0.0122728	0.00869576	0.158142	-0.631017	0.0559078	1.53E-29	0.0194492	0.0138879	0.1613792	0.06136884	20	0.69993711
ENSG00000069712	1	KIAA1107	92632542	rs1601023	1	92581744	T	G	0.620278	0.00940886	0.00811548	0.246304	-0.282917	0.0477976	3.24E-09	-0.0332566	0.0292301	0.255224	0.4173524	10	0.77529567
ENSG00000273487	1	RP4-621B10.8	92654794	rs144006934	1	92519222	A	G	0.0168986	0.00373228	0.0399564	0.925579	0.901436	0.153013	3.83E-09	0.00414037	0.0443308	0.9255881	0.246892	13	0.98393256
ENSG00000117500	1	TMED5	93615299	rs10874777	1	93862020	C	T	0.636183	0.00687326	0.00848158	0.417725	0.19834	0.0360917	3.90E-08	0.0346539	0.0432253	0.4227235	0.04258647	6	0.8584192
ENSG00000223745	1	RP4-717I23.3	93727743	rs10874774	1	93799002	T	C	0.805169	-0.0013983	0.0109173	0.898083	1.00341	0.0758632	6.16E-40	-0.0013936	0.0108807	0.8980874	0.03395926	20	0.98098987
ENSG00000229635	1	RP4-713B5.2	93850044	rs17131699	1	93598114	C	T	0.175944	-0.0026552	0.0111466	0.811719	-0.474558	0.0817624	6.47E-09	0.00559514	0.0235082	0.8118744	0.1040986	7	0.96881317
ENSG00000230439	1	RP11-488P3.1	94218480	rs4350209	1	94217804	C	T	0.661034	-0.0050217	0.00867713	0.562777	-1.05572	0.0980194	4.74E-27	0.00475661	0.00823102	0.5633392	0.1347024	20	0.89657901
ENSG00000224081	1	LINC01057	95104017	rs11165263	1	95320718	C	T	0.17495	-0.0133155	0.0100209	0.183925	1.46389	0.119759	2.32E-34	-0.009096	0.00688572	0.1865044	0.5603448	11	0.72629627
ENSG00000143036	1	SLC44A3	95285898	rs11165263	1	95320718	C	T	0.17495	-0.0133155	0.0100209	0.183925	1.48222	0.127133	2.07E-31	-0.0089835	0.0068045	0.1867596	0.5607738	11	0.72629627
ENSG00000117519	1	CNN3	95362507	rs11165263	1	95320718	C	T	0.17495	-0.0133155	0.0100209	0.183925	0.740127	0.0827586	3.78E-19	-0.0179908	0.0136881	0.1887303	0.5593274	9	0.72689546
ENSG00000122481	1	RWDD3	95699711	rs34266846	1	95739748	A	G	0.082505	0.012591	0.0135638	0.353261	1.07506	0.118763	1.40E-19	0.0117119	0.0126829	0.3557795	0.6883002	20	0.83426107
ENSG00000122477	1	LRRC39	100614409	rs6681721	1	100609639	T	C	0.0516899	-0.01373	0.0206435	0.505985	1.10622	0.151256	2.60E-13	-0.0124116	0.0187383	0.507736	0.1281583	20	0.88300558
ENSG00000137996	1	RTCA	100731763	rs3131839	1	100710089	G	T	0.872763	-0.0126658	0.0123149	0.303718	-0.67236	0.109442	8.07E-10	0.0188378	0.0185708	0.3104027	0.7311043	8	0.81264646
ENSG00000243480	1	AMY2A	104159999	rs78200622	1	104032379	C	T	0.106362	0.0359549	0.0130037	0.00569298	1.01819	0.182844	2.57E-08	0.0353126	0.0142591	0.01326782	0.9783748	7	0.37299146
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-0.955994	0.0795303	2.77E-33	-0.009941	0.00990276	0.3154478	0.3528885	20	0.81504933
ENSG00000134222	1	PSRC1	109822178	rs56187823	1	109836223	A	G	0.316103	-0.0088896	0.00851072	0.296246	-0.303935	0.0520231	5.15E-09	0.0292484	0.0284458	0.3038491	0.290622	5	0.80750206
ENSG00000143028	1	SYPL2	110009180	rs638542	1	109845252	A	G	0.713718	-0.01134	0.00887968	0.201576	-0.600042	0.0839774	8.98E-13	0.0188987	0.0150329	0.2086988	0.2866972	8	0.74515605
ENSG00000134201	1	GSTM5	110254864	rs11101989	1	110253741	C	A	0.336978	0.00543156	0.00829599	0.512647	-0.816435	0.0807329	4.85E-24	-0.0066528	0.0101825	0.5135285	0.4790509	19	0.88570698
ENSG00000241720	1	RP4-735C1.4	110268442	rs10776699	1	110263086	A	C	0.5666	0.00127926	0.00816831	0.87555	0.589832	0.101716	6.68E-09	0.00216885	0.0138536	0.8755952	0.1707034	7	0.97689669
ENSG00000134202	1	GSTM3	110276554	rs1332018	1	110282972	T	G	0.550696	-0.0011931	0.00810532	0.882978	1.07855	0.0752574	1.39E-46	-0.0011062	0.00751541	0.8829845	0.2083448	20	0.97689669
ENSG00000116396	1	KCNC4	110753965	rs111937628	1	110752849	G	A	0.572565	0.00723541	0.00821342	0.378358	-0.443967	0.0745294	2.57E-09	-0.0162972	0.0187013	0.3835096	0.4024125	12	0.83909361
ENSG00000227963	1	RP5-1074L1.1	110828997	rs680823	1	110848727	G	C	0.535785	-0.0015487	0.0080939	0.848254	0.559179	0.0751351	9.89E-14	-0.0027697	0.0144794	0.8483036	0.6705741	14	0.9761713
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.710967	0.063907	9.48E-29	0.00656827	0.012167	0.589304	0.2893404	20	0.90549973
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	0.754412	0.0694002	1.59E-27	-0.0002338	0.0129693	0.9856174	0.4895311	12	0.9965606
ENSG00000134245	1	WNT2B	113009163	rs910697	1	113063125	G	A	0.461233	-0.0049777	0.00805582	0.536641	-0.296951	0.0442006	1.84E-11	0.0167626	0.0272429	0.5383555	0.5864475	7	0.88779913
ENSG00000273483	1	RP4-671G15.2	113060421	rs10776756	1	113098015	G	A	0.476143	-0.005063	0.00811578	0.532731	-0.329005	0.0373659	1.31E-18	0.0153887	0.0247295	0.533756	0.6529649	20	0.88710629
ENSG00000007341	1	ST7L	113066140	rs12728001	1	113076756	C	T	0.482107	-0.0050478	0.00812497	0.534425	0.360426	0.06321	1.18E-08	-0.014005	0.0226761	0.5368317	0.6850909	7	0.88710629
ENSG00000116489	1	CAPZA1	113161795	rs12118370	1	113148267	G	A	0.241551	-0.0126462	0.00955674	0.185742	0.379366	0.0628075	1.54E-09	-0.0333351	0.0257888	0.196143	0.8934818	6	0.73303545
ENSG00000215866	1	RP11-426L16.8	113362792	rs9429493	1	113392339	G	A	0.157058	0.0083825	0.0117044	0.473877	-0.656055	0.103183	2.04E-10	-0.0127771	0.0179534	0.4766611	0.8638952	4	0.87652819
ENSG00000081026	1	MAGI3	113933371	rs2273758	1	114280717	C	A	0.601392	0.00108632	0.00811416	0.893498	0.317111	0.0517934	9.21E-10	0.00342568	0.0255939	0.8935231	0.4963682	14	0.98088874
ENSG00000116793	1	PHTF1	114239453	rs2884704	1	114114717	C	T	0.232604	-0.0051845	0.0087691	0.554374	-0.417399	0.0604329	4.96E-12	0.0124208	0.0210857	0.5558184	0.4472868	7	0.89575241
ENSG00000134262	1	AP4B1	114437370	rs1217397	1	114447565	A	G	0.249503	-0.0077193	0.00935512	0.40929	-0.325907	0.0563529	7.32E-09	0.0236857	0.0289956	0.4140019	0.3676257	4	0.85288297
ENSG00000134198	1	TSPAN2	115590632	rs6688453	1	115627098	G	C	0.675944	-0.0024226	0.00836377	0.772081	-1.11248	0.10638	1.35E-25	0.00217765	0.00752101	0.7721668	0.8310123	20	0.96041176
ENSG00000173212	1	MAB21L3	116654376	rs79777502	1	116649466	G	A	0.026839	0.0485399	0.0317414	0.126207	1.85081	0.22985	8.13E-16	0.0262263	0.0174565	0.1329998	0.4241258	9	0.67495201
ENSG00000134253	1	TRIM45	117653682	rs6657335	1	117664046	T	C	0.642147	-0.0028005	0.00861764	0.745204	-0.394848	0.0635585	5.22E-10	0.00709255	0.021855	0.7455391	0.8738468	5	0.95207829
ENSG00000116874	1	WARS2	119573839	rs2645291	1	119572541	T	C	0.45328	-0.009137	0.00805614	0.256725	-0.929525	0.0864847	6.07E-27	0.00982975	0.00871506	0.2593607	0.3721781	20	0.77529567
ENSG00000231365	1	RP11-418J17.1	119683019	rs12091044	1	119694883	A	G	0.245527	-0.0117658	0.00934213	0.207873	-0.908909	0.0810907	3.70E-29	0.012945	0.0103431	0.2107308	0.7722841	20	0.74515605
ENSG00000143067	1	ZNF697	120162045	rs10802125	1	120167304	A	G	0.0974155	0.0101642	0.0139059	0.46482	-0.626234	0.107168	5.11E-09	-0.0162307	0.0223786	0.4682831	0.5998822	7	0.87393624
ENSG00000223345	1	HIST2H2BA	120906028	rs7536214	1	121147880	T	A	0.60835	-0.0082809	0.0085488	0.332713	0.778032	0.0860174	1.50E-19	-0.0106434	0.0110506	0.3354692	0.6680597	16	0.82540122
ENSG00000223804	1	RP6-206I17.1	143647638	rs71259660	1	144581564	A	C	0.206759	-0.0042204	0.00987884	0.669223	-0.877732	0.116441	4.77E-14	0.00480828	0.011273	0.6697219	0.4960652	13	0.93167988
ENSG00000131791	1	PRKAB2	146626685	rs1837984	1	146628742	G	T	0.44334	-0.0002316	0.00805074	0.977049	-0.271221	0.0395519	7.01E-12	0.00085394	0.0296836	0.9770495	0.519082	16	0.99269132
ENSG00000131778	1	CHD1L	146714291	rs7542951	1	146812058	T	C	0.230616	0.00487845	0.00932732	0.600955	0.629498	0.0651144	4.14E-22	0.00774975	0.0148387	0.6014863	0.9216602	20	0.91089832
ENSG00000162836	1	ACP6	147101453	rs1344	1	147119273	A	G	0.576541	-0.0039214	0.00818002	0.631662	0.484346	0.0665056	3.27E-13	-0.0080963	0.0169253	0.6323986	0.448677	10	0.92161076
ENSG00000215859	1	RP6-74O6.2	147466094	rs1814655	1	147743508	T	C	0.215706	-0.0074856	0.00965585	0.438198	-0.764126	0.111454	7.08E-12	0.00979629	0.012717	0.4411037	0.3702471	9	0.86490094
ENSG00000234283	1	RP11-495P10.6	147744014	rs34741025	1	147749156	C	T	0.0994036	0.00581599	0.0132286	0.66019	1.50275	0.204019	1.76E-13	0.00387023	0.0088186	0.6607546	0.2640752	6	0.9296996
ENSG00000143369	1	ECM1	150480538	rs75802472	1	150517968	T	G	0.0228628	0.0368436	0.0202424	0.0687401	0.931511	0.118591	4.00E-15	0.0395525	0.0223065	0.07620566	0.1734323	20	0.57457094
ENSG00000163131	1	CTSS	150702672	rs112738761	1	150841736	G	A	0.389662	-0.0053262	0.00843267	0.527639	0.48917	0.0723474	1.37E-11	-0.0108882	0.0173138	0.5294304	0.6587147	13	0.88710629
ENSG00000143387	1	CTSK	150768684	rs12126004	1	150889877	C	T	0.512922	0.00609384	0.00811729	0.452819	-0.579362	0.0612779	3.24E-21	-0.0105182	0.0140548	0.4542382	0.05640173	20	0.86795298
ENSG00000143434	1	SEMA6C	151104161	rs41305062	1	151131091	G	A	0.213718	-0.007144	0.00946408	0.450335	0.438921	0.0622011	1.71E-12	-0.0162763	0.0216852	0.4529091	0.189382	14	0.86795298
ENSG00000143398	1	PIP5K1A	151170425	rs150990548	1	151285823	A	G	0.0258449	-0.0087146	0.023812	0.714384	0.968409	0.126562	1.98E-14	-0.0089988	0.0246169	0.7146967	0.9220687	3	0.94380637
ENSG00000143442	1	POGZ	151375200	rs12730283	1	151440904	T	C	0.109344	-0.008988	0.013735	0.512864	0.413969	0.0548724	4.55E-14	-0.0217117	0.0333034	0.5144426	0.4385834	12	0.88616468
ENSG00000143376	1	SNX27	151584541	rs17641780	1	151659071	G	A	0.33499	0.0214244	0.00857104	0.0124325	0.503506	0.0560508	2.63E-19	0.0425504	0.0176695	0.01603426	0.1955252	12	0.38004666
ENSG00000182134	1	TDRKH	151742583	rs7414314	1	151706426	A	G	0.54175	-0.0095779	0.00806369	0.234918	-0.315076	0.0391738	8.76E-16	0.0303988	0.0258704	0.2399789	0.1512511	20	0.76481586
ENSG00000213171	1	LINGO4	151772740	rs9826	1	151778899	C	T	0.352883	0.0242021	0.00838322	0.00388973	0.430332	0.06737	1.69E-10	0.0562405	0.0213781	0.00851964	0.05713981	5	0.34446388
ENSG00000159445	1	THEM4	151846060	rs2999506	1	151911780	C	G	0.647117	0.00049399	0.00854229	0.953885	0.332126	0.0492346	1.52E-11	0.00148737	0.025721	0.9538864	0.9224428	14	0.98968811
ENSG00000197747	1	S100A10	151955391	rs6587643	1	151982348	G	A	0.292247	-0.0022964	0.00928564	0.804671	-0.344528	0.0596729	7.76E-09	0.00666535	0.0269765	0.8048463	0.9171072	6	0.96627637
ENSG00000237975	1	FLG-AS1	152140601	rs34428306	1	152184316	C	G	0.243539	0.0127991	0.0101118	0.205596	1.21407	0.127683	1.93E-21	0.0105423	0.00840232	0.2095911	0.4453037	12	0.74515605
ENSG00000143631	1	FLG	152274651	rs7545406	1	152193286	T	G	0.585487	-0.0033149	0.00836087	0.691755	-0.552803	0.0962134	9.16E-09	0.00599649	0.0151605	0.6924482	0.2463555	4	0.93833295
ENSG00000163206	1	SMCP	152850793	rs12094874	1	152772183	A	G	0.356859	-0.0009151	0.00889221	0.918035	-0.890663	0.0926125	6.77E-22	0.00102742	0.00998438	0.91804	0.3246764	17	0.98098987
ENSG00000196754	1	S100A2	153533584	rs9700928	1	153584986	C	A	0.460239	0.0153898	0.0081796	0.059906	-0.588188	0.0686205	1.02E-17	-0.0261648	0.0142375	0.06610156	0.9508116	17	0.56065982
ENSG00000188643	1	S100A16	153579362	rs9700179	1	153585584	A	G	0.412525	0.0153778	0.00829609	0.0637926	-0.689588	0.0576255	5.31E-33	-0.0223	0.012174	0.06698492	0.8318508	20	0.56065982
ENSG00000160678	1	S100A1	153600402	rs9700928	1	153584986	C	A	0.460239	0.0153898	0.0081796	0.059906	0.340395	0.0599301	1.35E-08	0.0452116	0.0253138	0.07409205	0.7754889	10	0.57059276
ENSG00000272030	1	RP1-178F15.4	153603914	rs7934	1	153618766	T	C	0.525845	0.0105897	0.0080529	0.188505	-0.757498	0.0955182	2.18E-15	-0.0139798	0.0107761	0.1945271	0.4699533	20	0.73212181
ENSG00000198837	1	DENND4B	153901977	rs113191295	1	153912623	A	G	0.0636183	-0.0202162	0.0178654	0.257809	0.987063	0.0900395	5.78E-28	-0.0204812	0.0181957	0.2603335	0.7482093	6	0.77529567
ENSG00000143552	1	NUP210L	153965161	rs114697636	1	154127549	G	C	0.0337972	0.0211763	0.0163346	0.194835	1.5651	0.197727	2.46E-15	0.0135303	0.0105758	0.2007696	0.3485901	8	0.73723461
ENSG00000163354	1	DCST2	154990996	rs10908452	1	155001929	C	T	0.361829	0.00936987	0.00816775	0.251308	-0.691989	0.0697866	3.55E-23	-0.0135405	0.011882	0.2544623	0.03810333	17	0.77529567
ENSG00000163357	1	DCST1	155006300	rs10908452	1	155001929	C	T	0.361829	0.00936987	0.00816775	0.251308	-0.481569	0.0877573	4.08E-08	-0.019457	0.0173274	0.2614782	0.1752398	3	0.77529567
ENSG00000143537	1	ADAM15	155023042	rs45444697	1	155034632	G	C	0.192843	0.00575666	0.0106022	0.587151	-0.472352	0.0658628	7.40E-13	-0.0121872	0.0225098	0.5882188	0.06067461	4	0.90455838
ENSG00000169242	1	EFNA1	155099936	rs4745	1	155106227	T	A	0.520875	0.0100079	0.00804647	0.213587	0.34072	0.0479318	1.17E-12	0.0293728	0.0239749	0.2205185	0.1868899	20	0.75497764
ENSG00000169231	1	THBS3	155165379	rs760077	1	155178782	A	T	0.394632	0.00997331	0.00833011	0.231205	-0.559104	0.0640933	2.70E-18	-0.017838	0.0150387	0.2355668	0.4981713	13	0.76071926
ENSG00000225855	1	RUSC1-AS1	155286654	rs3851912	1	155586444	G	T	0.27336	0.00562049	0.00898239	0.531496	0.427883	0.0711816	1.84E-09	0.0131356	0.0211061	0.5337048	0.5649382	20	0.88710629
ENSG00000125459	1	MSTO1	155579979	rs10908479	1	155643403	T	C	0.274354	0.00569491	0.00898195	0.526055	0.496367	0.0579067	1.02E-17	0.0114732	0.0181448	0.527183	0.4660362	20	0.88710629
ENSG00000163468	1	CCT3	156278759	rs113915898	1	156332219	A	G	0.270378	0.0215121	0.00882429	0.0147758	-0.415225	0.0465589	4.74E-19	-0.0518083	0.0220315	0.01869513	0.8167727	7	0.3988628
ENSG00000163382	1	APOA1BP	156561554	rs4661052	1	156566491	G	A	0.286282	0.0164344	0.00934083	0.0785073	-0.383617	0.0467191	2.19E-16	-0.0428406	0.0249021	0.08536603	0.08353829	12	0.59548107
ENSG00000143320	1	CRABP2	156669398	rs1133856	1	156693135	T	C	0.0328032	-0.0128577	0.0170324	0.450312	-1.19332	0.158471	5.07E-14	0.0107747	0.0143447	0.4525735	0.4918864	3	0.86795298
ENSG00000223356	1	RP11-66D17.5	156682004	rs1133856	1	156693135	T	C	0.0328032	-0.0128577	0.0170324	0.450312	-1.59299	0.237174	1.86E-11	0.00807143	0.0107594	0.4531504	0.6588482	4	0.86795298
ENSG00000181036	1	FCRL6	159770301	rs11811956	1	159735002	G	A	0.294235	0.00422588	0.00816932	0.604955	-0.541661	0.0993427	4.97E-08	-0.0078017	0.0151497	0.606571	0.5232401	3	0.91287911
ENSG00000158714	1	SLAMF8	159796540	rs58863620	1	159806249	G	C	0.176938	0.0263331	0.0117325	0.0248022	-0.970756	0.0774477	4.84E-36	-0.0271264	0.0122782	0.02715259	0.9069822	12	0.45322628
ENSG00000243284	1	VSIG8	159824106	rs9782894	1	159856094	T	C	0.664016	0.0100525	0.00850531	0.237241	0.634159	0.0839872	4.33E-14	0.0158517	0.0135753	0.2429318	0.01157251	10	0.76697574
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.793199	0.0622443	3.40E-37	0.0163723	0.0105697	0.1213835	0.297768	8	0.66559302
ENSG00000162729	1	IGSF8	160061130	rs2295622	1	160062472	T	C	0.186879	-0.0066158	0.00930801	0.477231	-0.475	0.0698575	1.05E-11	0.013928	0.0197026	0.4796215	0.5747059	8	0.87699866
ENSG00000122218	1	COPA	160259063	rs3898317	1	160234154	A	G	0.511928	-0.0009542	0.00807143	0.905898	0.25825	0.042629	1.38E-09	-0.0036947	0.0312603	0.9059161	0.2087391	12	0.98098987
ENSG00000171786	1	NHLH1	160336857	rs3766384	1	160519480	C	G	0.33996	0.00453436	0.00958887	0.636302	-0.608029	0.104872	6.72E-09	-0.0074575	0.0158228	0.6374177	0.7157548	14	0.92237337
ENSG00000162738	1	VANGL2	160370376	rs3766387	1	160519240	A	G	0.33996	0.00451181	0.009589	0.637984	-0.861726	0.0699698	7.46E-35	-0.0052358	0.0111358	0.638229	0.6734687	20	0.92237337
ENSG00000158769	1	F11R	160965001	rs10908821	1	161008535	G	C	0.130219	-0.0026172	0.0115838	0.821251	0.985122	0.12444	2.44E-15	-0.0026567	0.0117635	0.8213226	0.4550803	19	0.96917311
ENSG00000215845	1	TSTD1	161007421	rs12728349	1	161024782	T	C	0.630219	-0.001179	0.00824316	0.886266	-0.740159	0.0998406	1.23E-13	0.00159293	0.0111391	0.8862874	0.342024	18	0.97855798
ENSG00000162746	1	FCRLB	161691353	rs11585450	1	161696782	C	G	0.525845	-0.0114234	0.00810293	0.158604	0.641204	0.0937488	7.94E-12	-0.0178155	0.0129027	0.1673528	0.7300663	14	0.7037325
ENSG00000118217	1	ATF6	161736084	rs16858058	1	161843106	T	C	0.082505	0.0292827	0.0160044	0.0672992	0.444045	0.0697331	1.92E-10	0.0659453	0.0375006	0.07866011	0.4785443	5	0.58080924
ENSG00000229808	1	RP11-456P18.2	161860623	rs1136046	1	161928771	A	G	0.100398	0.010381	0.0142156	0.465237	-0.62812	0.109176	8.75E-09	-0.0165271	0.0228136	0.4687946	0.1518904	4	0.87393624
ENSG00000198929	1	NOS1AP	162039564	rs6677154	1	162254664	G	A	0.261431	-0.0243045	0.00920773	0.00830118	0.79263	0.0889598	5.10E-19	-0.0306631	0.0121157	0.01137857	0.3090031	20	0.35325288
ENSG00000239887	1	C1orf226	162336698	rs10800397	1	162237090	T	C	0.263419	-0.0221611	0.00897363	0.0135273	0.634324	0.0770565	1.84E-16	-0.0349366	0.0147697	0.0180092	0.1789633	20	0.39313618
ENSG00000225171	1	DUTP6	166837985	rs12117020	1	166824580	C	T	0.420477	-4.10E-05	0.00814021	0.995981	0.704922	0.0738714	1.39E-21	-5.82E-05	0.0115477	0.9959814	0.3973932	19	0.99876374
ENSG00000143199	1	ADCY10	167778625	rs7542791	1	167872882	C	G	0.10338	0.0114299	0.0133577	0.392178	0.569038	0.0926321	8.10E-10	0.0200864	0.0237008	0.3967185	0.8963363	11	0.84410017
ENSG00000117477	1	CCDC181	169364108	rs6679086	1	169405045	G	A	0.125249	0.0101802	0.0113942	0.371614	-1.41824	0.108131	2.67E-39	-0.0071781	0.00805266	0.3727206	0.2036948	17	0.83735401
ENSG00000000460	1	C1orf112	169631245	rs17529513	1	169798745	G	C	0.261431	0.0115408	0.00942313	0.220675	-0.44873	0.0554662	5.96E-16	-0.0257188	0.0212388	0.2259208	0.7584556	20	0.75779347
ENSG00000171806	1	METTL18	169761670	rs9645329	1	169804720	A	T	0.0964215	-0.0211875	0.0159972	0.185354	-0.983435	0.109117	2.01E-19	0.0215444	0.0164414	0.1900684	0.7598055	6	0.72847268
ENSG00000000457	1	SCYL3	169818772	rs9728301	1	169747038	G	A	0.513917	0.0139685	0.00805945	0.0830635	-0.411328	0.055276	9.97E-14	-0.0339595	0.0201182	0.09141086	0.1782839	19	0.61510953
ENSG00000239494	1	RN7SL333P	169828897	rs4656189	1	169678303	A	C	0.287276	0.00015242	0.00898194	0.986461	0.528124	0.0935201	1.63E-08	0.00028861	0.0170073	0.986461	0.4311414	5	0.99692162
ENSG00000120370	1	GORAB	170501270	rs35392130	1	170507904	G	A	0.140159	0.0118426	0.012546	0.345206	-0.464816	0.0825982	1.83E-08	-0.025478	0.0273684	0.3518904	0.6584344	7	0.83426107
ENSG00000271811	1	RP1-79C4.4	170636522	rs659580	1	170633896	C	T	0.78827	0.0157947	0.00922197	0.0867641	0.647653	0.100059	9.62E-11	0.0243876	0.0147291	0.09777426	0.5188924	7	0.63011258
ENSG00000094963	1	FMO2	171154347	rs10798240	1	171136436	C	G	0.38668	0.00707553	0.00825986	0.391656	-0.513897	0.0846251	1.26E-09	-0.0137684	0.0162321	0.3963162	0.5404571	10	0.84410017
ENSG00000010165	1	METTL13	171750788	rs7536142	1	171770336	G	A	0.197813	-0.0019731	0.0104625	0.850417	-0.408535	0.0680167	1.90E-09	0.00482967	0.0256224	0.8504894	0.06412778	4	0.9761713
ENSG00000197959	1	DNM3	171810621	rs6425441	1	171796168	A	G	0.417495	-0.0023984	0.00813093	0.768019	0.487108	0.0476106	1.44E-24	-0.0049237	0.0166992	0.7681123	0.3545355	20	0.95821133
ENSG00000135845	1	PIGC	172339329	rs10752946	1	172376632	T	C	0.606362	-0.0057623	0.00827148	0.486025	-0.47758	0.0697654	7.62E-12	0.0120656	0.017409	0.4882689	0.07417093	5	0.87873497
ENSG00000120337	1	TNFSF18	173009100	rs6691738	1	173152036	G	T	0.290258	-0.00121	0.00879489	0.890573	0.789228	0.100553	4.20E-15	-0.0015331	0.0111454	0.89059	0.1545146	9	0.97924277
ENSG00000117601	1	SERPINC1	173872947	rs12141964	1	173973681	C	T	0.883698	-0.0201909	0.0136506	0.139108	-0.767726	0.139686	3.88E-08	0.0262996	0.0184132	0.1532049	0.5395559	5	0.69271049
ENSG00000116183	1	PAPPA2	176432307	rs1911231	1	176643843	G	T	0.16004	0.0022257	0.0112392	0.843021	-0.467076	0.0842069	2.91E-08	-0.0047652	0.0240782	0.8431202	0.01875019	6	0.97412703
ENSG00000242193	1	RP11-568K15.1	177975271	rs34322793	1	177982948	C	T	0.28827	-0.0014215	0.00888977	0.872962	-0.376471	0.0684122	3.73E-08	0.00377572	0.0236234	0.8730151	0.3082623	7	0.97689669
ENSG00000213057	1	C1orf220	178511887	rs12405456	1	178512331	G	T	0.350895	-0.0063761	0.00836583	0.445964	-0.456162	0.052241	2.50E-18	0.0139777	0.0184093	0.4476885	0.08054473	20	0.86795298
ENSG00000116199	1	FAM20B	178994939	rs4652348	1	179003490	T	C	0.708748	-0.019319	0.0101247	0.056378	0.316556	0.0432224	2.41E-13	-0.0610287	0.0330516	0.06482423	0.2267598	20	0.56029797
ENSG00000143322	1	ABL2	179068462	rs2816178	1	179249538	C	G	0.415507	-0.0008594	0.00819554	0.916489	0.344349	0.0553368	4.88E-10	-0.0024956	0.0238035	0.9165011	0.03813917	20	0.98098987
ENSG00000162782	1	TDRD5	179560748	rs913514	1	179558801	G	A	0.312127	-0.0047279	0.00957774	0.621569	0.951939	0.084901	3.55E-29	-0.0049666	0.010071	0.6219057	0.00152948	20	0.91852725

ENSG00000116260	1	QSOX1	180123969	rs3767193	1	180125372	C	T	0.365805	-0.0025313	0.00835571	0.761937	0.516174	0.0711338	3.98E-13	-0.0049039	0.0162019	0.7621391	0.03894216	16	0.95713352
ENSG00000135828	1	RNASEL	182542769	rs12041623	1	182561633	C	T	0.370775	0.00294684	0.0083106	0.722898	0.952541	0.0730725	7.68E-39	0.00309366	0.00872789	0.7229964	0.5715337	11	0.94553222
ENSG00000135862	1	LAMC1	182992595	rs10911195	1	182993438	C	T	0.533797	-0.0062386	0.00812653	0.442675	-0.570392	0.0687011	1.02E-16	0.0109374	0.014308	0.4446156	0.02270076	16	0.86795298
ENSG00000058085	1	LAMC2	183155373	rs2276543	1	183155305	A	G	0.293241	0.0117543	0.00840645	0.162039	0.745354	0.0831667	3.18E-19	0.0157701	0.0114149	0.1671146	0.06691096	16	0.7037325
ENSG00000198860	1	TSEN15	184020811	rs114661926	1	184006549	G	C	0.304175	-0.0035286	0.00835857	0.672913	0.347859	0.0478432	3.57E-13	-0.0101438	0.0240691	0.6734311	0.8487818	18	0.93402614
ENSG00000157181	1	C1orf27	186344890	rs6700930	1	186387368	G	A	0.579523	-0.0007088	0.00815594	0.930748	0.422278	0.0632983	2.54E-11	-0.0016785	0.0193158	0.9307539	0.8095	7	0.98482558
ENSG00000273198	1	GS1-304P7.3	186490905	rs142649462	1	186516583	T	C	0.120278	0.0129779	0.0152306	0.394161	-0.762225	0.096945	3.77E-15	-0.0170263	0.0200988	0.3969207	0.9125278	20	0.84410017
ENSG00000236030	1	LINC01036	187061974	rs2800913	1	187326714	C	A	0.728628	0.0115276	0.00930119	0.215208	0.718032	0.101236	1.32E-12	0.0160544	0.01315	0.2221354	0.05574518	13	0.75497764
ENSG00000272827	1	RP11-445P19.3	187449425	rs1390496	1	187276553	G	A	0.742545	0.00783459	0.0094977	0.409432	0.737271	0.102495	6.33E-13	0.0106265	0.0129667	0.4124884	0.08173752	14	0.85243442
ENSG00000118197	1	DDX59	200593024	rs12061556	1	200650239	C	G	0.425447	0.0215943	0.00805502	0.00734345	-0.661924	0.0662834	1.75E-23	-0.0326235	0.0126	0.00962061	0.3231104	16	0.34446388
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.762417	0.0806792	3.39E-21	0.0253816	0.010915	0.0200508	0.3252669	20	0.40541454
ENSG00000232237	1	ASCL5	201083081	rs2281845	1	201081943	T	C	0.406561	0.00723548	0.00822744	0.379167	-0.866356	0.0892165	2.71E-22	-0.0083516	0.00953547	0.3811125	0.1413167	15	0.83846816
ENSG00000214796	1	RP11-480I12.5	202820956	rs11580430	1	202833085	A	G	0.564612	-0.0050222	0.00806159	0.533299	0.588189	0.0914807	1.28E-10	-0.0085384	0.01377	0.5352092	0.2852743	3	0.88710629
ENSG00000117153	1	KLHL12	202860228	rs78337724	1	202909662	T	C	0.168986	0.00122262	0.0110108	0.911586	-0.492543	0.0883041	2.44E-08	-0.0024823	0.0223594	0.9116035	0.6566689	11	0.98098987
ENSG00000159348	1	CYB5R1	202930997	rs2232853	1	202931958	A	G	0.285288	0.00708648	0.00935902	0.448942	0.342369	0.0600705	1.20E-08	0.0206984	0.0275762	0.4529012	0.8610259	3	0.86795298
ENSG00000163444	1	TMEM183A	202976514	rs1774847	1	202994268	C	T	0.512922	0.00809156	0.00819648	0.323545	-0.289797	0.0331955	2.55E-18	-0.0279215	0.0284638	0.3266187	0.9155671	4	0.82469712
ENSG00000182004	1	SNRPE	203830731	rs35713483	1	203846820	A	G	0.109344	0.0163566	0.0106048	0.122982	0.521564	0.0694644	5.99E-14	0.0313607	0.0207573	0.1308319	0.8008041	15	0.67376577
ENSG00000184144	1	CNTN2	205012325	rs867450	1	204960930	A	G	0.232604	8.76E-05	0.0090747	0.992294	0.396247	0.0673666	4.05E-09	0.00022118	0.0229017	0.9922942	0.1515471	20	0.99876374
ENSG00000174529	1	TMEM81	205052258	rs12117194	1	205040943	G	C	0.516899	-0.0046284	0.00811286	0.568337	-0.200024	0.0365029	4.26E-08	0.0231392	0.0407787	0.5704189	0.4290402	10	0.89941387
ENSG00000162873	1	KLHDC8A	205305220	rs7549293	1	205312280	G	C	0.54672	0.00466304	0.00844614	0.580885	-0.620724	0.0727902	1.49E-17	-0.0075123	0.0136354	0.5816763	0.6609684	16	0.90053248
ENSG00000117280	1	RAB7L1	205737114	rs947211	1	205752665	G	A	0.752485	0.00061414	0.00966153	0.949316	0.469933	0.0701056	2.04E-11	0.00130687	0.0205603	0.9493185	0.1893486	14	0.98968811
ENSG00000261000	1	RP11-534L20.5	206677281	rs6540447	1	206703485	A	T	0.54672	0.00366286	0.00807113	0.649956	0.572306	0.0956377	2.18E-09	0.00640018	0.0141433	0.6508923	0.3512773	6	0.92725626
ENSG00000117335	1	CD46	207925402	rs34385765	1	207993637	G	A	0.33002	0.0139417	0.00835648	0.0952423	-0.651874	0.0640635	2.55E-24	-0.0213871	0.0129903	0.09968416	0.0949889	20	0.63334215
ENSG00000227591	1	RP1-28O10.1	209834709	rs3817870	1	209849002	C	T	0.735586	0.00484275	0.00909117	0.59425	-0.659609	0.110003	2.02E-09	-0.0073419	0.0138369	0.5956977	0.6307086	5	0.90850217
ENSG00000117595	1	IRF6	209959036	rs1005287	1	209980757	A	G	0.373757	-0.0021843	0.00818486	0.789567	-0.914769	0.0780609	1.02E-31	0.00238784	0.00894978	0.78962	0.5033161	20	0.96375538
ENSG00000203705	1	TATDN3	212965170	rs61736926	1	212965284	G	C	0.154076	-0.0103528	0.0126628	0.413599	-0.656772	0.0864985	3.13E-14	0.0157632	0.0193918	0.4162885	0.3810098	14	0.85560764
ENSG00000198468	1	FLVCR1-AS1	213025450	rs7524203	1	213011812	C	G	0.550696	0.00478168	0.00825481	0.562414	0.974768	0.0864167	1.65E-29	0.00490545	0.00847965	0.5629283	0.3698197	20	0.89657901
ENSG00000162769	1	FLVCR1	213031597	rs12036853	1	213078181	T	A	0.249503	0.00227949	0.010291	0.824701	0.356709	0.0540182	4.02E-11	0.00639033	0.0288661	0.8247975	0.5535215	6	0.97052125
ENSG00000174606	1	ANGEL2	213165524	rs1045868	1	213168190	G	C	0.353877	-0.0015373	0.00844855	0.855614	0.297125	0.0457641	8.44E-11	-0.0051739	0.0284455	0.85567	0.7867439	14	0.9761713
ENSG00000230461	1	PROX1-AS1	213991094	rs7529073	1	214147889	C	T	0.486083	0.0121704	0.00808971	0.132471	-0.321719	0.0589842	4.92E-08	-0.0378293	0.0260842	0.1469823	0.8738886	15	0.68835807
ENSG00000117791	1	2-Mar	220921567	rs381023	1	220930546	C	A	0.219682	0.0048333	0.00936871	0.605925	0.583343	0.0971737	1.94E-09	0.00828552	0.0161196	0.6072495	0.8088448	17	0.91287911
ENSG00000225265	1	RP11-378J18.3	222763167	rs2936027	1	222762316	T	C	0.141153	-0.0150204	0.0106397	0.158031	-0.888318	0.150249	3.37E-09	0.0169088	0.0123141	0.169712	0.3007855	3	0.70660647
ENSG00000272750	1	RP11-378J18.8	222832209	rs36079339	1	222841614	A	G	0.737575	0.00622464	0.00925388	0.501169	-0.853136	0.0724858	5.59E-32	-0.0072962	0.0108646	0.5018664	0.2586621	20	0.88095299
ENSG00000186063	1	AIDA	222841355	rs35700460	1	222811407	G	A	0.737575	0.00369294	0.00919254	0.687881	0.34978	0.0450186	7.87E-15	0.0105579	0.026316	0.6882756	0.5083416	14	0.93572536
ENSG00000154309	1	DISP1	222988406	rs146483398	1	223117239	T	G	0.0725646	0.00108226	0.0148892	0.942055	1.34607	0.168257	1.24E-15	0.00080402	0.0110617	0.9420571	0.09256552	4	0.98860811
ENSG00000203697	1	CAPN8	223711349	rs12132879	1	223900795	T	C	0.0924453	0.00611804	0.0207217	0.767805	1.6925	0.20453	1.28E-16	0.00361479	0.012251	0.7679479	0.7964574	13	0.95821133
ENSG00000272645	1	RP11-504P24.8	224139096	rs10799372	1	224146406	T	C	0.586481	0.0112441	0.00816275	0.168361	0.630463	0.0712558	8.92E-19	0.0178347	0.0131032	0.1734844	0.1595356	20	0.71004558
ENSG00000185495	1	RP11-504P24.4	224183659	rs11799363	1	224180489	T	C	0.215706	-0.0173219	0.00942463	0.0660724	0.454968	0.0633198	6.71E-13	-0.0380728	0.0213819	0.07497628	0.4406676	11	0.57140653
ENSG00000143768	1	LEFTY2	226124298	rs28384446	1	226070577	G	A	0.0506958	0.0111622	0.0155473	0.472788	1.4224	0.233832	1.18E-09	0.00784744	0.0110062	0.4758444	0.6532057	3	0.87652819
ENSG00000163041	1	H3F3A	226249552	rs6692329	1	226278185	A	G	0.718688	-0.0073238	0.00897563	0.414519	-0.810738	0.0869727	1.14E-20	0.00903352	0.0111133	0.4162989	0.2511054	20	0.85560764
ENSG00000185155	1	MIXL1	226411319	rs2889537	1	226432521	A	G	0.67992	-0.0032147	0.00940771	0.732573	0.499535	0.07179	3.44E-12	-0.0064353	0.0188556	0.7328826	0.2672734	3	0.94830822
ENSG00000163050	1	ADCK3	227085237	rs2953654	1	227550700	C	G	0.32505	-0.0096051	0.00837065	0.251186	0.253176	0.0445122	1.29E-08	-0.0379384	0.0337287	0.2606688	0.3818533	20	0.77529567
ENSG00000143776	1	CDC42BPA	227177566	rs11484717	1	227521960	G	C	0.342942	0.00296875	0.00822487	0.718138	0.310357	0.0546359	1.34E-08	0.0095656	0.0265548	0.7186815	0.5676055	9	0.94380637
ENSG00000181873	1	IBA57	228353516	rs7512209	1	228311716	T	C	0.628231	0.00383662	0.00827203	0.642785	0.323519	0.0568332	1.25E-08	0.011859	0.0256536	0.6438845	0.4156622	7	0.92518888
ENSG00000162913	1	C1orf145	228391207	rs11799681	1	228399123	C	A	0.639165	-0.0016215	0.00853472	0.849316	0.426309	0.0709134	1.84E-09	-0.0038037	0.02003	0.8493896	0.03427288	4	0.9761713
ENSG00000143641	1	GALNT2	230193536	rs11807834	1	230272624	A	G	0.265408	0.0183183	0.00881958	0.0378007	0.535044	0.0612345	2.38E-18	0.034237	0.0169432	0.04331102	0.1436121	7	0.52475565
ENSG00000177614	1	PGBD5	230457392	rs16851659	1	230523039	G	C	0.388668	0.00823984	0.00850523	0.332647	-0.484938	0.0660436	2.09E-13	-0.0169915	0.0176908	0.3368173	0.3518908	11	0.82540122
ENSG00000135744	1	AGT	230838269	rs5051	1	230849872	T	C	0.412525	-0.0020238	0.00812188	0.80322	-0.771499	0.0657179	7.99E-32	0.00262323	0.0105298	0.803264	0.8638594	20	0.96614993
ENSG00000173409	1	ARV1	231114727	rs10864645	1	231115887	C	A	0.429423	-0.0067411	0.00843848	0.424374	-0.30585	0.0463144	4.01E-11	0.0220406	0.0277914	0.4277346	0.3827399	10	0.85954155
ENSG00000182118	1	FAM89A	231154704	rs10864655	1	231172810	G	A	0.333996	-0.0027083	0.00885711	0.759779	0.273015	0.046403	4.02E-09	-0.0099198	0.0324856	0.7600917	0.05518889	3	0.95694494
ENSG00000116906	1	GNPAT	231376953	rs540479	1	231416547	C	T	0.463221	-0.0072058	0.00808721	0.372925	0.444087	0.0547647	5.10E-16	-0.016226	0.0183205	0.3757913	0.9419725	3	0.83735401
ENSG00000135778	1	NTPCR	233086351	rs12725558	1	233091463	A	T	0.16004	0.00406713	0.0107642	0.705552	0.841518	0.0722447	2.34E-31	0.00483309	0.0127981	0.7056981	0.6865507	10	0.94206936
ENSG00000143674	1	MLK4	233463514	rs1582192	1	233525193	G	A	0.171968	-0.0050939	0.0117578	0.664844	0.558196	0.0763355	2.62E-13	-0.0091257	0.0211009	0.6653944	0.5964601	6	0.93167988
ENSG00000231663	1	RP5-827C21.4	234508553	rs11549817	1	234508956	C	A	0.0934394	0.00186299	0.0174304	0.914883	1.00592	0.0940292	1.04E-26	0.00185203	0.0173287	0.9148871	0.8724203	8	0.98098987
ENSG00000224939	1	LINC00184	234765057	rs6696170	1	234772346	T	C	0.205765	-0.0173101	0.0105865	0.102027	0.959126	0.0972159	5.85E-23	-0.0180478	0.0111882	0.1067213	0.03822446	16	0.64397126
ENSG00000077585	1	GPR137B	236305832	rs1111667	1	236378916	C	T	0.136183	0.00644584	0.0107865	0.550119	0.521998	0.0694845	5.80E-14	0.0123484	0.0207291	0.5513741	0.1251089	5	0.89521833
ENSG00000116977	1	LGALS8	236681300	rs1891240	1	236694594	G	A	0.681909	0.0241682	0.00924059	0.00891128	-0.378297	0.0568537	2.85E-11	-0.0638868	0.0262461	0.01492694	0.4010892	20	0.37299146
ENSG00000230325	1	RP11-385F5.4	236703394	rs11807205	1	236702475	G	A	0.671968	0.0237848	0.00917819	0.00955741	0.644576	0.0798122	6.68E-16	0.0368999	0.0149542	0.01360492	0.8756237	20	0.37299146
ENSG00000119285	1	HEATR1	236712305	rs2251642	1	236689568	G	A	0.629225	0.0235241	0.00914849	0.0101298	0.310414	0.0404172	1.59E-14	0.075783	0.0310798	0.01475515	0.5685405	20	0.37299146
ENSG00000180287	1	PLD5	242246288	rs6429339	1	242375779	A	G	0.772366	1.95E-05	0.0106773	0.998544	-0.624244	0.0724263	6.75E-18	-3.12E-05	0.0171044	0.9985437	0.2906713	20	0.99951932
ENSG00000224525	1	RP11-561I11.3	242366857	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	0.648134	0.0952803	1.03E-11	0.0100431	0.0128489	0.4344341	0.5916314	11	0.86298249
ENSG00000201758	1	RN7SKP55	245107212	rs2291426	1	245134114	C	A	0.582505	0.0265544	0.0086617	0.0021714	0.652901	0.069063	3.27E-21	0.0406714	0.0139466	0.00354301	0.2550998	20	0.27554195
ENSG00000272195	1	RP11-156E8.1	245132652	rs2291426	1	245134114	C	A	0.582505	0.0265544	0.0086617	0.0021714	0.540753	0.0685107	2.95E-15	0.0491063	0.0171837	0.00426682	0.236624	20	0.27554195
ENSG00000203666	1	EFCAB2	245133007	rs61842666	1	245149476	C	T	0.690855	0.0246572	0.0102851	0.0165128	0.584549	0.0877964	2.78E-11	0.0421816	0.0187008	0.02409548	0.26463	12	0.42398436
ENSG00000162852	1	CNST	246729746	rs3007305	1	246862572	G	C	0.319085	0.00634569	0.00901592	0.481537	0.333467	0.0481018	4.13E-12	0.0190294	0.0271759	0.4837824	0.2081385	7	0.87816986
ENSG00000260855	1	RP11-439E19.10	246935603	rs7779	1	246930564	C	G	0.0666004	-0.0247987	0.0165092	0.133067	-0.958208	0.123449	8.36E-15	0.0258803	0.0175489	0.1402791	0.9190187	7	0.68487288
ENSG00000227953	1	RP11-439E19.3	246939315	rs7779	1	246930564	C	G	0.0666004	-0.0247987	0.0165092	0.133067	-0.978885	0.149905	6.58E-11	0.0253336	0.0173058	0.1432259	0.9259914	13	0.68835807
ENSG00000188295	1	ZNF669	247263264	rs2270616	1	247267668	T	G	0.388668	-0.0017997	0.00825834	0.827489	0.334272	0.0538586	5.42E-10	-0.0053839	0.0247207	0.8275939	0.2195333	7	0.97121415
ENSG00000221953	1	C1orf229	247273462	rs12140983	1	247274351	C	G	0.229622	0.00612779	0.00933411	0.511505	-0.694382	0.0773859	2.89E-19	-0.0088248	0.0134783	0.5126324	0.646215	20	0.88570698
ENSG00000196418	1	ZNF124	247285277	rs4925710	1	247288022	C	T	0.277336	0.00976945	0.0093627	0.296743	-1.01412	0.0920755	3.27E-28	-0.0096334	0.00927368	0.2989013	0.8030818	20	0.80667732
ENSG00000259865	1	RP11-488L18.10	247350583	rs10802475	1	247359065	T	C	0.452286	0.00439235	0.00829207	0.596317	0.381007	0.0568441	2.05E-11	0.0115283	0.0218314	0.5974588	0.07822297	6	0.90850217
ENSG00000162714	1	ZNF496	247460714	rs9725334	1	247462273	G	A	0.66501	0.0101943	0.00828315	0.218423	-0.520644	0.0640605	4.39E-16	-0.0195802	0.0160908	0.2236595	0.5675978	14	0.75497764
ENSG00000226191	1	RP11-438H8.8	248099363	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.734405	0.0990523	1.22E-13	-0.0055045	0.0116177	0.6356391	0.3841646	7	0.92237337
ENSG00000196071	1	OR2L13	248100493	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.876859	0.110319	1.89E-15	-0.0046103	0.00972772	0.6355494	0.1947456	12	0.92237337
ENSG00000198128	1	OR2L3	248223984	rs6664332	1	248128929	A	G	0.328032	-0.0040426	0.00851466	0.634946	0.772974	0.0978394	2.78E-15	-0.0052299	0.0110353	0.6355568	0.5144275	8	0.92237337
ENSG00000235688	2	AC116614.1	945320	rs12617304	2	856152	A	G	0.198807	-0.0137635	0.0093681	0.141782	0.98568	0.105447	8.96E-21	-0.0139635	0.00962088	0.1466767	0.6908473	20	0.68835807
ENSG00000172554	2	SNTG2	946554	rs11685336	2	862912	A	G	0.178926	-0.0078754	0.0109598	0.472408	0.959937	0.116361	1.59E-16	-0.008204	0.0114604	0.47408	0.1809506	20	0.87619336
ENSG00000171853	2	TRAPPC12	3383446	rs13405709	2	3490906	T	A	0.134195	0.00032868	0.0155574	0.983145	0.569345	0.090477	3.12E-10	0.00057729	0.0273252	0.9831448	0.5061638	7	0.99527404
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs13003003	2	3493560	G	A	0.402584	-0.0070439	0.00827625	0.394716	-0.778538	0.0812466	9.48E-22	0.00904757	0.0106724	0.3965726	0.9731429	20	0.84410017
ENSG00000271868	2	RP11-1293J14.1	3500727	rs13011528	2	3486594	A	G	0.134195	0.00198803	0.0156513	0.898924	-0.842354	0.119953	2.18E-12	-0.0023601	0.0185835	0.8989409	0.4375068	14	0.98098987
ENSG00000234171	2	AC108488.3	3606082	rs12629	2	3609064	A	G	0.295229	0.0086602	0.00838912	0.301926	-1.16294	0.0839373	1.19E-43	-0.0074468	0.00723371	0.3032637	0.535081	13	0.80750206
ENSG00000118004	2	COLEC11	3642426	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.24488	0.133068	8.35E-21	-0.0094849	0.0105637	0.3692527	0.537975	9	0.83463738
ENSG00000237370	2	AC010907.2	3650987	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.45959	0.135465	4.53E-27	-0.0080896	0.00899951	0.3687093	0.3986197	9	0.83463738
ENSG00000151360	2	ALLC	3705785	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.46188	0.143376	2.06E-24	-0.0080769	0.00898906	0.3689037	0.4321647	10	0.83463738
ENSG00000151692	2	RNF144A	7057523	rs771272	2	7134144	A	G	0.493042	0.00701038	0.0080823	0.385737	-0.370528	0.0539293	6.39E-12	-0.01892	0.0219861	0.3894892	0.1215965	14	0.84301004
ENSG00000272002	2	RP11-557L19.1	7401002	rs4669163	2	7359916	T	C	0.565606	0.00304734	0.00805511	0.7052	0.437162	0.0620705	1.88E-12	0.00697073	0.0184525	0.7056038	0.637256	6	0.94206936
ENSG00000151693	2	ASAP2	9346894	rs10593	2	9546030	T	C	0.865805	-0.0038497	0.0150971	0.798724	-0.225861	0.037457	1.64E-09	0.0170447	0.0669022	0.7989	0.7111097	6	0.96408387
ENSG00000151694	2	ADAM17	9628615	rs35744046	2	9662410	C	T	0.319085	0.00144071	0.00879348	0.869858	0.245745	0.0439859	2.31E-08	0.00586262	0.0357983	0.8699138	0.4863426	10	0.9761713
ENSG00000115750	2	TAF1B	9983483	rs2357391	2	10061592	T	C	0.636183	-0.0006018	0.008189	0.941419	-0.442371	0.0715313	6.24E-10	0.00136035	0.0185129	0.9414232	0.8623041	5	0.98845818
ENSG00000269973	2	RP11-95D17.1	10076489	rs12995394	2	10056518	A	G	0.65507	-0.0024546	0.00825186	0.766119	-0.564403	0.0653416	5.73E-18	0.00434897	0.0146292	0.7662525	0.8748028	10	0.95821133
ENSG00000134317	2	GRHL1	10085341	rs72784479	2	10146206	C	T	0.178926	-0.0110298	0.0123459	0.371647	0.657125	0.107917	1.13E-09	-0.0167849	0.0189889	0.3767316	0.2117676	7	0.83735401
ENSG00000260077	2	RP11-254F7.2	10179219	rs74416754	2	10198538	G	C	0.121272	-0.003771	0.0150155	0.801705	0.596665	0.0941015	2.29E-10	-0.0063201	0.0251854	0.8018576	0.9362841	7	0.96614993
ENSG00000162975	2	KCNF1	11052063	rs115612734	2	10974303	C	T	0.028827	0.0030001	0.0246657	0.903192	0.794698	0.135961	5.06E-09	0.00377514	0.0310445	0.9032126	0.8374769	4	0.98098987
ENSG00000134324	2	LPIN1	11817721	rs3795974	2	11924950	C	T	0.596421	0.0121625	0.00833667	0.144589	0.947847	0.0626086	8.92E-52	0.0128317	0.00883612	0.1464492	0.07222018	20	0.68835807
ENSG00000163029	2	SMC6	17845079	rs62130900	2	17984027	T	C	0.332008	-0.0084031	0.00901045	0.351029	0.377593	0.0631551	2.25E-09	-0.0222544	0.0241514	0.3568137	0.3749274	4	0.83426107
ENSG00000183891	2	TTC32	20096404	rs2304588	2	20101717	G	A	0.111332	-0.0305858	0.0150852	0.0426079	0.842499	0.0987454	1.44E-17	-0.0363037	0.0184039	0.04854076	0.790664	14	0.53502872
ENSG00000143869	2	GDF7	20866424	rs34006806	2	21116850	A	G	0.162028	-0.0178338	0.0121019	0.140579	0.761454	0.097772	6.80E-15	-0.0234207	0.0161752	0.1476328	0.5482727	7	0.68835807
ENSG00000119778	2	ATAD2B	23971534	rs2551337	2	24006886	T	C	0.190855	-0.0283363	0.0119946	0.0181564	0.28019	0.0509507	3.81E-08	-0.101132	0.0465918	0.02996095	0.9737395	11	0.466844
ENSG00000219626	2	FAM228B	24299396	rs6729231	2	24292597	T	A	0.120278	0.0308036	0.0104826	0.00329762	-0.862628	0.110953	7.56E-15	-0.035709	0.012991	0.00598213	0.2651861	20	0.28830874
ENSG00000224165	2	DNAJC27-AS1	25194259	rs754537	2	25176277	T	A	0.518887	0.00497284	0.00813392	0.540955	0.366818	0.0644433	1.25E-08	0.0135567	0.0223018	0.5432708	0.7087658	13	0.89017343
ENSG00000217643	2	PTGES3P2	26045338	rs7566238	2	25946969	C	T	0.302187	0.0144977	0.00980135	0.1391	-0.568936	0.096838	4.23E-09	-0.0254821	0.0177651	0.1514605	0.08685127	6	0.69162558
ENSG00000115155	2	OTOF	26680071	rs7594482	2	26729808	A	C	0.592445	-0.0079198	0.00854937	0.35426	0.504738	0.0864646	5.30E-09	-0.0156909	0.0171502	0.3602389	0.616893	19	0.83426107
ENSG00000157851	2	DPYSL5	27070615	rs9309559	2	27141515	C	A	0.365805	-0.0141069	0.00855534	0.0991676	-0.351121	0.0555953	2.69E-10	0.0401767	0.0251825	0.110618	0.326435	17	0.65131116
ENSG00000138085	2	ATRAID	27434895	rs2580759	2	27432500	G	T	0.223658	0.0156399	0.00998379	0.117226	0.338276	0.0549759	7.59E-10	0.0462341	0.0304552	0.1289883	0.0755428	12	0.67336822
ENSG00000234072	2	AC074117.10	27579113	rs2280737	2	27589810	C	T	0.368787	0.0232988	0.00813956	0.00420417	0.875548	0.0882072	3.21E-23	0.0266105	0.00967536	0.00595335	0.3825923	20	0.28830874
ENSG00000198522	2	GPN1	27851114	rs4665384	2	27848397	G	A	0.482107	-0.0159714	0.00806485	0.0476607	0.401452	0.0512599	4.81E-15	-0.0397841	0.0207215	0.05486538	0.00182936	14	0.54765098
ENSG00000171103	2	TRMT61B	29072687	rs10865507	2	28983991	C	T	0.670974	0.0104964	0.0086716	0.226112	-0.355525	0.0563661	2.84E-10	-0.0295237	0.024836	0.234541	0.691955	15	0.76051447
ENSG00000163811	2	WDR43	29117509	rs4666145	2	29175264	T	C	0.705765	0.00735395	0.00936989	0.432542	0.405875	0.0555377	2.71E-13	0.0181188	0.0232184	0.4351779	0.9505384	6	0.86298249
ENSG00000119820	2	YIPF4	32502979	rs1011309	2	32179532	A	T	0.145129	-0.0006878	0.012739	0.956942	0.474107	0.080901	4.62E-09	-0.0014507	0.0268706	0.9569432	0.9933087	20	0.98968811
ENSG00000260025	2	RP11-490M8.1	36581892	rs13406184	2	36791226	C	T	0.384692	-0.0029019	0.00829995	0.726621	0.562429	0.0706081	1.65E-15	-0.0051595	0.0147715	0.7268726	0.6448643	20	0.94592693
ENSG00000150938	2	CRIM1	36583069	rs14291	2	36810586	C	T	0.411531	0.00317688	0.00819493	0.698265	0.441895	0.0546714	6.33E-16	0.00718922	0.0185663	0.6985941	0.1398988	20	0.94017689
ENSG00000171055	2	FEZ2	36778570	rs11691600	2	36810133	A	G	0.393638	0.00093856	0.0082535	0.909462	0.819219	0.0684392	5.10E-33	0.00114568	0.0100753	0.9094663	0.3442736	20	0.98098987
ENSG00000218739	2	AC007390.5	37423631	rs2251879	2	37485215	T	A	0.564612	-0.0038262	0.00811246	0.63718	-0.397364	0.0614509	1.00E-10	0.00962898	0.0204699	0.6380718	0.8874549	19	0.92237337
ENSG00000003509	2	NDUFAF7	37458774	rs1056021	2	37480249	G	A	0.315109	-0.0074116	0.00837589	0.376224	0.440472	0.0679765	9.19E-11	-0.0168265	0.0191922	0.3806294	0.7624669	18	0.83846816
ENSG00000115841	2	RMDN2	38150330	rs74802833	2	38155482	G	A	0.23161	-0.0109008	0.00925791	0.239012	0.478096	0.0788344	1.32E-09	-0.0228004	0.0197257	0.2477328	0.431382	8	0.77298486
ENSG00000231312	2	AC007246.3	39663778	rs10180761	2	39722668	C	T	0.374751	-0.0022885	0.00818514	0.779796	-0.474395	0.04987	1.86E-21	0.00482393	0.0172613	0.7798878	0.3886695	20	0.96342048
ENSG00000162878	2	PKDCC	42275160	rs72794538	2	42281656	T	G	0.202783	0.00961055	0.00958004	0.315772	0.855238	0.14316	2.31E-09	0.0112373	0.0113584	0.3225004	0.362781	16	0.81804241
ENSG00000162881	2	OXER1	42989642	rs893733	2	43016838	T	C	0.758449	0.00663446	0.00905797	0.463897	0.555768	0.0984898	1.67E-08	0.0119375	0.0164348	0.4676234	0.5457295	7	0.87365494
ENSG00000226491	2	FTOP1	43024365	rs13006059	2	43022720	G	A	0.640159	0.00065291	0.00838324	0.937921	-0.527488	0.0945796	2.44E-08	-0.0012378	0.0158943	0.9379273	0.7755786	9	0.98799916
ENSG00000152527	2	PLEKHH2	43864412	rs72790985	2	43936362	G	T	0.212724	0.00357151	0.00948504	0.706514	-0.35074	0.0576341	1.16E-09	-0.0101828	0.0270947	0.7070487	0.7844606	6	0.94206936
ENSG00000138095	2	LRPPRC	44113647	rs4245797	2	44125086	T	C	0.417495	-0.0060266	0.00816682	0.460552	0.236769	0.0323335	2.43E-13	-0.0254535	0.0346675	0.4628156	0.5916557	20	0.87178458
ENSG00000250565	2	ATP6V1E2	46717889	rs68065995	2	46765807	G	T	0.300199	-0.0058251	0.00870059	0.503171	0.677244	0.109952	7.30E-10	-0.0086012	0.0129227	0.505675	0.2295006	3	0.88300558
ENSG00000119878	2	CRIPT	46843555	rs17819022	2	46850571	A	G	0.296223	0.00248927	0.00911973	0.784889	0.469023	0.0629688	9.44E-14	0.00530735	0.0194572	0.7850291	0.6461863	20	0.96375538
ENSG00000180398	2	MCFD2	47129009	rs6716381	2	47148163	A	G	0.181909	-0.0184544	0.011842	0.119143	-0.769318	0.0646652	1.23E-32	0.023988	0.0155244	0.1223015	0.6907389	20	0.66559302
ENSG00000119888	2	EPCAM	47572297	rs112628241	2	47591769	G	C	0.0775348	-0.0021025	0.0134413	0.875704	1.55454	0.20102	1.05E-14	-0.0013525	0.00864825	0.8757282	0.7488444	5	0.97689669
ENSG00000170802	2	FOXN2	48541776	rs79073127	2	48573895	C	G	0.12326	-0.0080756	0.0148553	0.586703	1.15543	0.0818753	3.20E-45	-0.0069893	0.0128665	0.5869807	0.2640005	20	0.90430335
ENSG00000162869	2	PPP1R21	48667737	rs77272589	2	48681997	C	G	0.0487078	0.0203578	0.01809	0.260437	-0.879432	0.134889	7.05E-11	-0.0231488	0.0208743	0.2674461	0.2993842	3	0.78173618
ENSG00000068781	2	STON1-GTF2A1L	48757064	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.670949	0.0839914	1.37E-15	-0.0041083	0.01246	0.7416104	0.157532	15	0.95039525
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.953417	0.0855271	7.36E-29	-0.0028912	0.00876482	0.7415071	0.1168134	20	0.95039525
ENSG00000233266	2	HMGB1P31	54278471	rs6746965	2	54223525	C	G	0.430417	-0.0108348	0.00808819	0.18038	0.663632	0.0987792	1.84E-11	-0.0163265	0.0124277	0.1889397	0.08442489	20	0.72701868
ENSG00000237887	2	AC092839.1	54756480	rs6704769	2	54769290	A	G	0.73161	-0.0011377	0.0103419	0.912407	-0.499565	0.0776727	1.26E-10	0.00227728	0.0207048	0.912419	0.4681467	20	0.98098987
ENSG00000162994	2	CLHC1	55401927	rs6545475	2	55395807	T	C	0.45328	0.00849977	0.0083276	0.307409	0.328435	0.0538324	1.05E-09	0.0258796	0.0257078	0.3140864	0.1657469	7	0.81455426
ENSG00000115355	2	CCDC88A	55514978	rs148940584	2	55683417	C	A	0.05666	-0.0233654	0.0217177	0.281984	1.3942	0.18741	1.01E-13	-0.016759	0.0157392	0.2869702	0.8477482	14	0.79513447
ENSG00000055813	2	CCDC85A	56411258	rs56265195	2	56457718	G	C	0.435388	0.0167066	0.00807084	0.038453	0.61176	0.0719908	1.93E-17	0.0273091	0.0135786	0.04430587	0.1340263	19	0.52475565
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.979849	0.0631306	2.50E-54	-0.0043603	0.00826353	0.5977361	0.04948144	20	0.90850217
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.893072	0.0796471	3.53E-29	0.00937801	0.00932405	0.3145178	0.2123761	20	0.81455426
ENSG00000273302	2	RP11-493E12.2	61427114	rs11883889	2	61601163	C	T	0.66004	0.0134586	0.00815731	0.0989669	-0.552294	0.083527	3.79E-11	-0.0243685	0.0152227	0.1094211	0.3489322	20	0.64968164
ENSG00000225889	2	AC074289.1	64370373	rs58136932	2	64459585	A	G	0.119284	0.0117723	0.0102784	0.252068	-0.923335	0.13171	2.38E-12	-0.0127498	0.0112794	0.2583258	0.162811	8	0.77529567
ENSG00000226819	2	MEIS1-AS3	66653867	rs10183293	2	66659374	G	A	0.700795	-0.0177286	0.00879198	0.0437522	-0.664664	0.0992164	2.10E-11	0.026673	0.0138139	0.05349828	0.7280609	6	0.54502922
ENSG00000232046	2	AC007392.3	66801162	rs35028770	2	66953597	T	G	0.370775	-0.0036553	0.00849179	0.666867	-0.470128	0.0830778	1.52E-08	0.00777514	0.0181149	0.6677687	0.5530162	6	0.93167988
ENSG00000236780	2	AC078941.1	67350489	rs2035565	2	67619656	T	C	0.728628	-0.0043726	0.00849709	0.606831	0.622074	0.110794	1.97E-08	-0.0070291	0.0137165	0.608334	0.03670249	11	0.9131695
ENSG00000115956	2	PLEK	68592305	rs4671888	2	68477248	C	T	0.636183	0.00245984	0.00877421	0.779211	0.502509	0.087783	1.04E-08	0.00489512	0.0174817	0.7794673	0.8135286	3	0.96342048
ENSG00000152672	2	CLEC4F	71035775	rs34651755	2	71115499	G	T	0.083499	0.0169282	0.0119409	0.156288	-0.812507	0.124945	7.88E-11	-0.0208345	0.0150415	0.166012	0.3284901	7	0.70208171
ENSG00000144040	2	SFXN5	73169165	rs61650913	2	73250714	G	A	0.219682	0.00494967	0.00919043	0.590185	-0.28783	0.0467112	7.19E-10	-0.0171965	0.0320518	0.5915975	0.5124766	6	0.90663738
ENSG00000214513	2	NOTO	73429386	rs11894720	2	73427403	A	C	0.183897	0.0109419	0.010457	0.295387	0.915176	0.113438	7.17E-16	0.0119561	0.0115219	0.2994194	0.7795609	18	0.80667732
ENSG00000144035	2	NAT8	73867959	rs6723247	2	73846749	G	A	0.228628	0.00233697	0.00962097	0.80808	0.761162	0.119926	2.20E-10	0.00307027	0.0126491	0.8082176	0.2366302	11	0.96875846
ENSG00000163016	2	ALMS1P	73872046	rs13410232	2	73871689	T	A	0.206759	0.00145093	0.010516	0.890262	0.958536	0.0937728	1.58E-24	0.00151369	0.0109719	0.8902712	0.2135483	20	0.97924277
ENSG00000257800	2	FNBP1P1	74347807	rs1667613	2	74349288	G	A	0.411531	0.00104148	0.00832025	0.900386	0.631925	0.0700149	1.79E-19	0.00164811	0.0131678	0.9003952	0.9447707	9	0.98098987
ENSG00000217702	2	MGC10955	74361599	rs12619982	2	74356022	A	G	0.181909	-0.0040329	0.0108064	0.709005	1.16573	0.0956408	3.57E-34	-0.0034595	0.00927442	0.7091351	0.9205231	13	0.94206936
ENSG00000163170	2	BOLA3	74362525	rs1667605	2	74374884	A	G	0.434394	-0.0067002	0.00805593	0.405575	0.291094	0.0473663	7.97E-10	-0.0230172	0.027927	0.4098298	0.44637	8	0.85000195
ENSG00000225439	2	BOLA3-AS1	74375136	rs828883	2	74375457	A	G	0.428429	-0.0068514	0.00805538	0.395029	-0.530563	0.0525376	5.60E-24	0.0129134	0.0152365	0.3966982	0.4195387	13	0.84410017
ENSG00000114978	2	MOB1A	74379655	rs828883	2	74375457	A	G	0.428429	-0.0068514	0.00805538	0.395029	-0.317786	0.0549682	7.41E-09	0.0215597	0.0256213	0.4000815	0.5490211	4	0.84423725

ENSG00000188687	2	SLC4A5	74443369	rs71418733	2	74669326	T	C	0.026839	0.0155293	0.0235667	0.509927	0.788679	0.127487	6.16E-10	0.0196903	0.0300503	0.5123105	0.6549231	5	0.88570698
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.18725	0.0756928	1.91E-55	-0.0071466	0.00758825	0.3462991	0.4938879	20	0.83087454
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.03303	0.0776084	2.00E-40	-0.0082135	0.0087272	0.3466367	0.393512	20	0.83119789
ENSG00000115350	2	POLE4	75185619	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.377614	0.0598556	2.81E-10	-0.0224694	0.0240799	0.3507596	0.4354567	8	0.83425005
ENSG00000270696	2	RP11-342K6.1	75887588	rs35450646	2	75911046	G	C	0.241551	-0.0020074	0.00884861	0.820531	0.535046	0.0912805	4.59E-09	-0.0037519	0.0165504	0.8206633	0.6173819	3	0.96917311
ENSG00000163541	2	SUCLG1	84650647	rs6547570	2	84806942	G	C	0.936382	-0.0036641	0.0199452	0.854243	-0.563253	0.0639081	1.21E-18	0.00650521	0.0354184	0.8542743	0.7039918	17	0.9761713
ENSG00000115423	2	DNAH6	84743579	rs7561462	2	84686757	G	A	0.394632	0.00023898	0.00841216	0.977337	-0.899321	0.1028	2.17E-18	-0.0002657	0.00935395	0.9773366	0.8562242	11	0.99269132
ENSG00000152284	2	TCF7L1	85360533	rs11900333	2	85531579	A	C	0.479125	0.00256389	0.0081529	0.75316	-0.592289	0.0702935	3.58E-17	-0.0043288	0.0137747	0.7533258	0.02976788	18	0.95502521
ENSG00000152292	2	SH2D6	85645844	rs56017561	2	85658993	C	T	0.427435	0.0118459	0.00816022	0.146596	-1.11394	0.0755129	3.00E-49	-0.0106342	0.00736093	0.1485461	0.2020347	20	0.68857084
ENSG00000207207	2	Y_RNA	85661630	rs56017561	2	85658993	C	T	0.427435	0.0118459	0.00816022	0.146596	-0.771946	0.0961697	1.00E-15	-0.0153455	0.0107425	0.1531504	0.2759758	14	0.69271049
ENSG00000244399	2	RN7SL251P	85669618	rs56228924	2	85658862	A	G	0.423459	0.0114081	0.00816254	0.162229	-1.09243	0.09675	1.45E-29	-0.0104429	0.00752893	0.1654322	0.1722443	20	0.70208171
ENSG00000168906	2	MAT2A	85766288	rs56228924	2	85658862	A	G	0.423459	0.0114081	0.00816254	0.162229	-0.348573	0.055647	3.75E-10	-0.032728	0.0239928	0.1725438	0.314231	9	0.71004558
ENSG00000115486	2	GGCX	85771846	rs6743030	2	85763520	T	C	0.497018	-0.0045353	0.00809918	0.575498	0.622586	0.0517841	2.70E-33	-0.0072847	0.013023	0.5759117	0.4638086	20	0.9004891
ENSG00000115523	2	GNLY	85912298	rs10187314	2	85928550	T	C	0.407555	0.00444994	0.00827112	0.590571	-0.644912	0.0922111	2.67E-12	-0.0069001	0.0128631	0.5916652	0.1552525	11	0.90663738
ENSG00000068654	2	POLR1A	86247339	rs2018547	2	86353954	C	T	0.840954	0.0149654	0.0109928	0.173394	0.732678	0.0791373	2.08E-20	0.0204256	0.0151649	0.1780129	0.6353981	19	0.71466724
ENSG00000132305	2	IMMT	86371055	rs9653508	2	86422816	G	T	0.508946	0.0119234	0.00812335	0.142162	-0.255076	0.0443349	8.75E-09	-0.0467445	0.0328668	0.1549567	0.4367232	7	0.69271049
ENSG00000273080	2	RP11-301O19.1	86422713	rs6749439	2	86400092	T	G	0.507952	0.0118388	0.00812274	0.14498	0.808199	0.111945	5.21E-13	0.0146484	0.0102532	0.1531002	0.1563616	20	0.69271049
ENSG00000132313	2	MRPL35	86426478	rs13353	2	86437898	T	C	0.924453	-0.0065671	0.0210502	0.755059	-0.672009	0.0960291	2.60E-12	0.00977238	0.0313554	0.755295	0.2246906	16	0.95502521
ENSG00000172116	2	CD8B	87042462	rs190094847	2	87083881	T	G	0.0666004	0.0157768	0.0276714	0.568577	2.04138	0.285018	7.93E-13	0.0077285	0.0135981	0.5697971	0.3074967	4	0.89877926
ENSG00000183281	2	PLGLB1	87229682	rs181970253	2	87130278	G	C	0.0596421	0.051602	0.0202532	0.010839	-1.07044	0.116832	5.08E-20	-0.0482063	0.0196384	0.01410018	0.2703808	11	0.37299146
ENSG00000231259	2	AC125232.1	87257800	rs11901025	2	87278601	T	C	0.532803	0.00099593	0.00829796	0.904466	-0.659887	0.0529811	1.31E-35	-0.0015093	0.0125754	0.9044705	0.02438467	20	0.98098987
ENSG00000234231	2	AC093616.4	88000503	rs376029966	2	87261088	C	T	0.0715706	0.031247	0.0192745	0.104984	1.51858	0.175153	4.32E-18	0.0205765	0.0129124	0.1110393	0.1557428	15	0.65191841
ENSG00000125551	2	PLGLB2	88047606	rs10168246	2	87114504	T	C	0.45825	0.00209428	0.00816053	0.79746	0.599331	0.0962108	4.68E-10	0.00349436	0.0136276	0.7976283	0.3155352	13	0.96408387
ENSG00000163586	2	FABP1	88422510	rs17350803	2	88443878	C	T	0.255467	0.00396646	0.0111011	0.720865	0.690503	0.125892	4.14E-08	0.00574431	0.0161109	0.7214305	0.2031777	3	0.94514776
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.07611	0.0976929	3.23E-28	0.00358635	0.00806851	0.65669	0.8566244	17	0.92834527
ENSG00000144026	2	ZNF514	95813075	rs2278067	2	95955680	T	G	0.54175	0.0124903	0.00819235	0.127351	0.589308	0.0970086	1.24E-09	0.0211949	0.0143328	0.1392024	0.107973	12	0.68154293
ENSG00000155066	2	PROM2	95940201	rs12992066	2	95947085	G	A	0.766402	0.0219955	0.00954334	0.0211778	0.650643	0.0867868	6.53E-14	0.0338058	0.015345	0.02759168	0.1800824	20	0.45322628
ENSG00000198885	2	ITPRIPL1	96991069	rs772174	2	96991492	G	A	0.66004	-0.0095674	0.00917113	0.296849	0.737783	0.0774184	1.58E-21	-0.0129678	0.0125049	0.2997275	0.1752994	20	0.80667732
ENSG00000144199	2	FAHD2B	97749320	rs1257109	2	97776627	A	C	0.789264	-0.0060322	0.0108737	0.579065	0.463624	0.0585331	2.36E-15	-0.013011	0.0235112	0.5799912	0.5308862	14	0.9004891
ENSG00000230606	2	AC159540.1	98081083	rs13032546	2	97857179	C	G	0.790258	-0.005944	0.0108737	0.584626	-0.920046	0.0995499	2.42E-20	0.00646057	0.0118393	0.5852803	0.3606831	20	0.90304167
ENSG00000196912	2	ANKRD36B	98108978	rs2034403	2	98176612	C	A	0.748509	0.00664521	0.00994461	0.503991	-0.611991	0.0728798	4.57E-17	-0.0108583	0.016301	0.5053366	0.5825548	9	0.88300558
ENSG00000115073	2	ACTR1B	98272431	rs11692435	2	98275354	A	G	0.083499	-0.0159622	0.00953995	0.0942888	1.14612	0.111936	1.33E-24	-0.0139272	0.0084341	0.09867884	0.03180265	8	0.63086722
ENSG00000115085	2	ZAP70	98330023	rs11894651	2	98317771	A	C	0.736581	0.00496402	0.00967661	0.607957	-1.22885	0.0850973	2.88E-47	-0.0040396	0.00787949	0.6081834	0.5134743	20	0.9131695
ENSG00000135951	2	TSGA10	99613724	rs13035357	2	99752246	T	C	0.610338	0.00355353	0.00810879	0.661219	0.918684	0.0948902	3.61E-22	0.00386807	0.00883557	0.6615432	0.79291	20	0.9296996
ENSG00000231822	2	AC019097.7	99718481	rs13012481	2	99754290	A	C	0.632207	0.00049903	0.00815157	0.951185	0.645519	0.0758754	1.78E-17	0.00077307	0.0126283	0.9511861	0.7118409	20	0.98968811
ENSG00000144182	2	LIPT1	99771418	rs6741773	2	99738962	C	A	0.647117	0.00208667	0.00818303	0.798723	0.514128	0.077596	3.46E-11	0.00405866	0.0159281	0.7988691	0.8510918	10	0.96408387
ENSG00000158411	2	MITD1	99777890	rs6757661	2	99802820	G	A	0.647117	0.00228662	0.00817725	0.77976	-0.420751	0.0621746	1.31E-11	-0.0054346	0.0194515	0.7799429	0.8252354	13	0.96342048
ENSG00000185414	2	MRPL30	99797542	rs7349217	2	99815146	G	T	0.648111	0.00219763	0.00817881	0.788163	0.226551	0.0408464	2.92E-08	0.00970038	0.0361437	0.7884043	0.5916763	3	0.96375538
ENSG00000144214	2	LYG1	99900701	rs59661148	2	99926253	A	G	0.446322	-0.0009402	0.00810635	0.907664	0.46003	0.0724797	2.20E-10	-0.0020438	0.0176243	0.9076798	0.6964449	10	0.98098987
ENSG00000144218	2	AFF3	100162323	rs78438918	2	100630115	G	A	0.166004	0.00824396	0.0110777	0.45676	0.510803	0.0718505	1.17E-12	0.0161392	0.0218053	0.459209	0.2207335	20	0.87162505
ENSG00000115526	2	CHST10	101008327	rs13019179	2	100894491	A	C	0.497018	0.00786404	0.00808576	0.330763	0.364129	0.0443633	2.25E-16	0.0215969	0.0223611	0.3341332	0.7667523	13	0.82540122
ENSG00000163162	2	RNF149	101887681	rs6737919	2	101894222	T	C	0.255467	-0.0020147	0.0105756	0.848913	-0.428474	0.0622508	5.86E-12	0.00470206	0.0246915	0.8489702	0.729641	7	0.9761713
ENSG00000115602	2	IL1RL1	102927962	rs10182639	2	102935805	A	C	0.493042	0.0124975	0.00803028	0.119638	-0.53353	0.0624005	1.23E-17	-0.0234242	0.0152985	0.125735	0.4275145	11	0.66875442
ENSG00000115604	2	IL18R1	102927989	rs1558619	2	102931550	T	G	0.493042	0.0125135	0.00803017	0.11916	-0.669009	0.0649177	6.65E-25	-0.0187045	0.0121395	0.1233666	0.3741642	20	0.66833899
ENSG00000233639	2	AC018730.1	105424030	rs9308877	2	105343296	G	A	0.296223	-0.0223759	0.0088115	0.0111045	-0.485203	0.0709564	8.03E-12	0.0461166	0.0193723	0.01728699	0.1872357	6	0.38773182
ENSG00000198914	2	POU3F3	105471969	rs9308877	2	105343296	G	A	0.296223	-0.0223759	0.0088115	0.0111045	-0.501301	0.0799031	3.52E-10	0.0446357	0.0189625	0.01857814	0.49347	8	0.39860323
ENSG00000235319	2	AC012360.4	105940667	rs2278502	2	105979730	A	C	0.38668	0.00279502	0.00830121	0.736343	-0.664666	0.105622	3.12E-10	-0.0042052	0.0125072	0.7367054	0.620676	5	0.94830822
ENSG00000229360	2	PPP1R2P5	107557336	rs72830023	2	107616216	C	T	0.470179	0.0124155	0.00811013	0.125803	0.830543	0.0812164	1.51E-24	0.0149487	0.00987366	0.1300276	0.4020646	20	0.67376577
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.10986	0.120092	2.42E-20	0.00129594	0.00889512	0.8841654	0.2881011	18	0.97689669
ENSG00000198075	2	SULT1C4	108994367	rs145991542	2	109385605	G	A	0.0149105	0.00160523	0.0300192	0.957355	-1.09089	0.19067	1.06E-08	-0.0014715	0.0275193	0.9573565	0.7591336	5	0.98968811
ENSG00000135968	2	GCC2	109065017	rs72833182	2	109318352	C	T	0.0874751	0.00594278	0.0110489	0.590671	-0.8675	0.114999	4.57E-14	-0.0068505	0.0127688	0.5916133	0.7878524	20	0.90663738
ENSG00000153094	2	BCL2L11	111876955	rs2241843	2	111879381	A	C	0.538767	0.00477395	0.00808703	0.554976	-0.560477	0.070647	2.13E-15	-0.0085177	0.0144687	0.5560663	0.09588425	12	0.89575241
ENSG00000144152	2	FBLN7	112895962	rs9653422	2	112857642	G	A	0.493042	0.00911253	0.00823954	0.268748	-0.47148	0.0797494	3.38E-09	-0.0193275	0.0177791	0.2769954	0.06190535	20	0.7930304
ENSG00000144161	2	ZC3H8	112969102	rs72831641	2	112955815	G	A	0.149105	0.00242493	0.0113409	0.830686	0.655514	0.105343	4.89E-10	0.00369928	0.017311	0.8307845	0.9305677	11	0.97248978
ENSG00000169629	2	RGPD8	113127669	rs13422242	2	113190211	T	A	0.161034	-0.0008649	0.0108935	0.936715	-1.16709	0.0802762	6.92E-48	0.0007411	0.00933404	0.9367163	0.4784697	20	0.98756455
ENSG00000125630	2	POLR1B	113299492	rs200353609	2	113313835	C	A	0.083499	-0.0003823	0.0146081	0.979122	0.977983	0.104877	1.11E-20	-0.0003909	0.014937	0.9791216	0.5494355	13	0.9935567
ENSG00000237753	2	AC079922.3	113399409	rs11123144	2	113403662	C	T	0.831014	-0.0142907	0.0119218	0.230641	-0.782715	0.0910549	8.25E-18	0.0182579	0.0153787	0.2351426	0.9336042	19	0.76051447
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.766747	0.0967561	2.29E-15	0.0114869	0.0107603	0.2857328	0.5150561	20	0.79513447
ENSG00000136682	2	CBWD2	114195268	rs10170810	2	114230378	G	T	0.161034	-0.0091267	0.00977367	0.350407	-0.571482	0.0771111	1.25E-13	0.0159701	0.0172375	0.3541995	0.8519832	7	0.83426107
ENSG00000184492	2	FOXD4L1	114256661	rs13411929	2	114193060	G	T	0.16004	-0.0090739	0.00977109	0.35307	-0.991725	0.0836415	1.98E-32	0.00914964	0.00988279	0.3545419	0.3775618	14	0.83426107
ENSG00000225398	2	RP11-395L14.5	114299514	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	0.678665	0.103516	5.52E-11	0.0182887	0.0134764	0.1747516	0.4793868	19	0.71107211
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.663291	0.0518184	1.63E-37	-0.0187126	0.0135691	0.1678756	0.3254493	20	0.7037325
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	1.05527	0.0812713	1.50E-38	0.0114625	0.00852645	0.1788375	0.3240387	20	0.71466724
ENSG00000240356	2	RPL23AP7	114368079	rs1667103	2	114380967	T	C	0.294235	0.0087771	0.00870705	0.313433	-0.873795	0.0805694	2.10E-27	-0.0100448	0.0100076	0.3155142	0.0210421	20	0.81504933
ENSG00000144134	2	RABL2A	114384806	rs1739509	2	114387358	A	G	0.251491	0.00461775	0.00872325	0.596556	-0.481985	0.0725675	3.10E-11	-0.0095807	0.018156	0.597716	0.1353711	11	0.90850217
ENSG00000115084	2	SLC35F5	114462588	rs17632866	2	114512224	A	T	0.138171	0.0223785	0.0114502	0.0506512	-0.470367	0.0826586	1.27E-08	-0.0475767	0.0257389	0.06453919	0.2752538	3	0.56029797
ENSG00000236255	2	AC009404.2	118591513	rs67260381	2	118519547	A	G	0.15507	-0.004773	0.0119476	0.689533	-0.558889	0.0887966	3.09E-10	0.00854007	0.0214204	0.6901231	0.2514999	7	0.93708564
ENSG00000115107	2	STEAP3	119981384	rs1838763	2	119937936	A	G	0.242545	-0.0212304	0.00849619	0.0124609	0.777197	0.0980461	2.25E-15	-0.0273166	0.0114621	0.0171626	0.00931865	11	0.38773182
ENSG00000144120	2	TMEM177	120436743	rs2272053	2	120436773	G	A	0.150099	0.00799764	0.0118143	0.49844	1.00468	0.0986588	2.35E-24	0.00796039	0.0117852	0.4993868	0.4902988	20	0.88088085
ENSG00000115109	2	EPB41L5	120770581	rs56414520	2	120553107	C	T	0.261431	-0.0105663	0.00861507	0.220014	-0.616634	0.0652391	3.33E-21	0.0171354	0.0140883	0.2238733	0.9660248	20	0.75497764
ENSG00000260634	2	RP11-521O16.1	127781828	rs72843888	2	127783846	G	T	0.317097	-0.0084213	0.00852553	0.323262	0.522041	0.092384	1.60E-08	-0.0161315	0.0165788	0.3305421	0.1953997	13	0.82473356
ENSG00000136717	2	BIN1	127805603	rs4663100	2	127878438	G	C	0.753479	0.0103001	0.00903492	0.254272	-0.492351	0.0641094	1.59E-14	-0.0209202	0.0185516	0.2594571	0.1337561	12	0.77529567
ENSG00000163161	2	ERCC3	128014866	rs11692990	2	128112190	T	C	0.252485	-0.0053265	0.00945126	0.573044	-0.638918	0.0705413	1.34E-19	0.00833672	0.0148212	0.5737851	0.7811723	20	0.9004891
ENSG00000236682	2	AC068282.3	128146706	rs2276683	2	128146762	C	G	0.76839	0.0110714	0.00908839	0.223153	-1.41542	0.0991819	3.32E-46	-0.007822	0.00644434	0.2248327	0.9455597	20	0.7565516
ENSG00000231731	2	AC010976.2	128221218	rs17015391	2	128296831	G	A	0.0457256	-0.0200774	0.0190426	0.291727	-0.838205	0.138488	1.43E-09	0.0239529	0.0230604	0.2989445	0.7623514	5	0.80667732
ENSG00000144231	2	POLR2D	128603840	rs6721274	2	128616001	G	A	0.512922	-0.0053862	0.00807174	0.504589	-0.476423	0.0575259	1.21E-16	0.0113054	0.0169973	0.5059677	0.7449788	20	0.88300558
ENSG00000225449	2	AC079776.7	130724165	rs10928946	2	130733087	A	G	0.691849	-0.0152997	0.00826767	0.0642347	0.727379	0.0851903	1.36E-17	-0.021034	0.0116303	0.0705201	0.5869082	19	0.56443627
ENSG00000222014	2	RAB6C	130737235	rs13395676	2	130724786	A	G	0.704771	-0.0152797	0.00828128	0.0650249	0.664408	0.0979769	1.19E-11	-0.0229975	0.0129173	0.07501628	0.4774557	5	0.57140653
ENSG00000180178	2	AC018865.8	130748029	rs2122979	2	130833159	A	G	0.388668	0.0162937	0.00811715	0.0447157	0.849148	0.12194	3.32E-12	0.0191883	0.00994839	0.05375774	0.8916791	10	0.5452951
ENSG00000152076	2	CCDC74B	130896860	rs2897667	2	130894898	T	C	0.354871	-0.0153669	0.00826733	0.0630623	0.530288	0.0863584	8.22E-10	-0.0289784	0.0162889	0.07523457	0.9606065	12	0.57200606
ENSG00000136718	2	IMP4	131099798	rs11542411	2	131100734	A	G	0.217694	0.00272371	0.0113053	0.809615	0.490368	0.069623	1.88E-12	0.00555442	0.0230682	0.8097237	0.9304028	10	0.96881317
ENSG00000240253	2	AC140481.7	131447706	rs374770094	2	131458167	G	A	0.151093	-0.0153201	0.0155136	0.323384	-1.02873	0.146013	1.85E-12	0.0148922	0.0152278	0.3280906	0.3103274	10	0.82470658
ENSG00000273073	2	RP11-109E12.1	132219394	rs2622026	2	132233740	A	C	0.0934394	0.025934	0.0171776	0.131104	1.08055	0.132981	4.45E-16	0.0240007	0.0161692	0.1377155	0.5650448	20	0.67816642
ENSG00000173272	2	MZT2A	132222473	rs10168805	2	132249175	A	G	0.0924453	0.0259033	0.0171762	0.131532	-0.899708	0.0799777	2.33E-29	-0.0287908	0.0192616	0.1349873	0.9118937	20	0.67495201
ENSG00000152117	2	AC093838.4	132250386	rs374293949	2	132260297	A	G	0.194831	-0.0095517	0.00918408	0.298327	-1.09776	0.0706787	2.12E-54	0.00870108	0.00838494	0.2994078	0.9975838	20	0.80667732
ENSG00000197927	2	C2orf27A	132479948	rs6720375	2	132440073	C	G	0.585487	-0.0048793	0.00852259	0.566978	0.729622	0.0826748	1.09E-18	-0.0066874	0.0117054	0.5677915	0.5465856	20	0.89699675
ENSG00000163046	2	ANKRD30BL	132905164	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.00435	0.162691	6.69E-10	0.00847514	0.0205302	0.679744	0.9989554	12	0.93468019
ENSG00000224043	2	AC016725.4	135493034	rs4953937	2	135682792	A	T	0.329026	-0.0193547	0.00895633	0.0306945	-0.614601	0.0977575	3.24E-10	0.0314915	0.0154094	0.04098806	0.1630233	20	0.51210082
ENSG00000234682	2	AC110620.2	135554739	rs113529902	2	135725663	T	C	0.249503	-0.0165606	0.009886	0.0939031	-0.593022	0.104762	1.51E-08	0.0279258	0.0173852	0.1082086	0.3174886	15	0.64547139
ENSG00000082258	2	CCNT2	135675805	rs3769026	2	135677043	G	T	0.329026	-0.0193926	0.0089605	0.0304467	0.287832	0.040381	1.02E-12	-0.0673747	0.0325344	0.0383701	0.198703	6	0.50417602
ENSG00000144229	2	THSD7B	137523115	rs483623	2	137715323	A	T	0.56163	-0.0117829	0.00830631	0.156031	-0.416702	0.075581	3.52E-08	0.0282766	0.0205827	0.1695027	0.04852572	8	0.70660647
ENSG00000144278	2	GALNT13	154728426	rs1010067	2	154989125	G	A	0.748509	0.0159714	0.00895872	0.0746225	0.368466	0.0658248	2.17E-08	0.0433457	0.0255169	0.08937476	0.8910385	4	0.60840161
ENSG00000162989	2	KCNJ3	155554811	rs2971920	2	155726400	C	A	0.384692	-0.0267483	0.00814757	0.00102716	-0.471351	0.0521317	1.54E-19	0.0567482	0.0183898	0.00202969	0.1048112	20	0.20286959
ENSG00000115183	2	TANC1	159825146	rs264580	2	159972224	C	T	0.297217	0.00558429	0.00848126	0.510264	0.619597	0.0797186	7.71E-15	0.00901278	0.0137374	0.5117746	0.8588792	12	0.88570698
ENSG00000196151	2	WDSUB1	160092304	rs714156	2	160141068	C	T	0.342942	0.0129889	0.00821119	0.113683	-0.61137	0.0700383	2.57E-18	-0.0212456	0.0136496	0.1195886	0.85829	14	0.66559302
ENSG00000054219	2	LY75	160628362	rs1877193	2	160777188	T	C	0.539761	0.00927579	0.00837956	0.268314	0.470195	0.0794742	3.29E-09	0.0197275	0.0181307	0.2765629	0.02194962	9	0.79255578
ENSG00000115271	2	GCA	163175350	rs918929	2	163835597	T	C	0.259443	-0.032546	0.00961313	0.0007103	-0.78344	0.0825886	2.40E-21	0.0415424	0.0130285	0.00142971	0.09114077	13	0.17322719
ENSG00000184611	2	KCNH7	163227917	rs918929	2	163835597	T	C	0.259443	-0.032546	0.00961313	0.0007103	-0.78435	0.0883951	7.11E-19	0.0414942	0.013118	0.00156071	0.04174613	10	0.17322719
ENSG00000115339	2	GALNT3	166604101	rs12477613	2	166717184	C	G	0.44334	-0.0144748	0.00811051	0.0743105	0.888643	0.0836546	2.34E-26	-0.0162887	0.00925476	0.07840273	0.1682629	20	0.58021333
ENSG00000229195	2	AC009495.4	166651367	rs2288702	2	166727401	G	A	0.114314	-0.0086999	0.0110316	0.430324	0.953941	0.148976	1.52E-10	-0.00912	0.0116516	0.4337913	0.08750528	6	0.86298249
ENSG00000172318	2	B3GALT1	168675182	rs4667985	2	168683690	G	A	0.125249	-0.0164384	0.0125227	0.189287	0.87063	0.105344	1.40E-16	-0.018881	0.0145638	0.1948249	0.2485784	20	0.73247013
ENSG00000138399	2	FASTKD1	170386259	rs16857042	2	170419108	G	A	0.0675944	-0.0082885	0.0138657	0.549993	0.787646	0.104554	4.94E-14	-0.0105232	0.0176593	0.5512431	0.296672	17	0.89521833
ENSG00000144362	2	PHOSPHO2	170550975	rs3099554	2	170425370	C	A	0.717694	0.0294399	0.00903962	0.00112691	0.37965	0.0680725	2.45E-08	0.0775448	0.0275728	0.0049178	0.5252338	4	0.27554195
ENSG00000213160	2	KLHL23	170550998	rs10930370	2	170611659	T	C	0.61332	0.0227041	0.00839756	0.00685836	-0.567785	0.0546367	2.70E-25	-0.0399871	0.0152824	0.0088823	0.1692889	20	0.34446388
ENSG00000071967	2	CYBRD1	172378757	rs72884400	2	172415113	A	G	0.241551	0.0111515	0.0102699	0.277548	-0.258499	0.0450228	9.38E-09	-0.0431394	0.0404332	0.2860033	0.9944311	4	0.79513447
ENSG00000077380	2	DYNC1I2	172543919	rs12692974	2	172663256	C	T	0.275348	0.0263281	0.00990626	0.00786702	-0.363144	0.0489325	1.16E-13	-0.0725004	0.0289757	0.01234541	0.7130134	19	0.37199625
ENSG00000115840	2	SLC25A12	172640880	rs6710698	2	172596078	C	G	0.284294	0.0252812	0.00974894	0.00950802	0.341074	0.0402216	2.25E-17	0.0741223	0.0298897	0.01314342	0.7162565	20	0.37299146
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs76443145	2	173600603	A	C	0.16998	0.0137168	0.0096749	0.156257	0.990801	0.103805	1.36E-21	0.0138442	0.00987186	0.1608002	0.08896151	20	0.69993711
ENSG00000115935	2	WIPF1	175424300	rs12624277	2	175439536	A	G	0.531809	0.015681	0.00818863	0.0554971	-0.280013	0.0413218	1.23E-11	-0.056001	0.030389	0.0653578	0.5296508	6	0.56060246
ENSG00000128656	2	CHN1	175664091	rs1840633	2	175713988	A	G	0.395626	0.00719465	0.00807958	0.373211	-0.947495	0.0756372	5.32E-36	-0.0075933	0.00854882	0.374416	0.2073112	20	0.83735401
ENSG00000154518	2	ATP5G3	176040986	rs268172	2	176071906	G	A	0.803181	-0.0177668	0.0119604	0.13742	-0.272845	0.0387497	1.91E-12	0.0651168	0.0448008	0.1460917	0.2149797	10	0.68835807
ENSG00000144320	2	KIAA1715	176788620	rs4246623	2	176878946	A	G	0.483101	-0.0083236	0.00810957	0.304708	-0.280622	0.0443283	2.44E-10	0.0296611	0.0292759	0.3109845	0.1020793	8	0.81264646
ENSG00000187231	2	SESTD1	179966419	rs10181291	2	180098404	C	A	0.27336	-0.0074993	0.00955714	0.432642	0.34741	0.0489291	1.25E-12	-0.0215862	0.0276772	0.4354327	0.8330789	12	0.86298249
ENSG00000150722	2	PPP1R1C	182818968	rs11685642	2	182855636	A	G	0.220676	0.0105221	0.0109098	0.334811	0.869721	0.0988109	1.35E-18	0.0120982	0.0126191	0.3376974	0.1854524	20	0.82540122
ENSG00000163002	2	NUP35	183982241	rs11883456	2	183959461	A	G	0.813121	0.00431677	0.00980593	0.659778	0.39144	0.0714569	4.30E-08	0.0110279	0.0251317	0.6608023	0.7608159	9	0.9296996
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.20829	0.103806	2.58E-31	0.00955764	0.00683733	0.1621549	0.2085031	20	0.69993711
ENSG00000064989	2	CALCRL	188207856	rs6740531	2	188382884	T	C	0.455268	-0.00069	0.00814994	0.93253	-0.248671	0.0428334	6.42E-09	0.00277472	0.0327775	0.932537	0.1976223	17	0.98546106
ENSG00000115368	2	WDR75	190306159	rs13386772	2	190349637	T	G	0.0367793	0.0033354	0.0202638	0.86926	-0.733293	0.108742	1.55E-11	-0.0045485	0.0276422	0.8692982	0.9119339	7	0.9761713
ENSG00000138381	2	ASNSD1	190526111	rs4667297	2	190528996	T	C	0.728628	0.0204877	0.00878695	0.0197215	0.635397	0.0610707	2.37E-25	0.0322439	0.0141721	0.02289547	0.02395484	20	0.41830708
ENSG00000253559	2	OSGEPL1-AS1	190627430	rs7571089	2	190561793	A	G	0.728628	0.0201176	0.00878321	0.0219948	0.769179	0.0960515	1.17E-15	0.0261546	0.0118768	0.02765444	0.04139974	13	0.45322628
ENSG00000273240	2	RP11-455J20.3	190628585	rs7603192	2	190581557	A	C	0.269384	-0.0191254	0.0087743	0.0292793	-0.718937	0.0755154	1.73E-21	0.0266023	0.0125203	0.03360913	0.02065484	20	0.48597966
ENSG00000128699	2	ORMDL1	190635049	rs10207346	2	190577964	A	G	0.729622	0.0192369	0.00877443	0.0283518	-0.491727	0.0607771	5.93E-16	-0.0391211	0.0184876	0.03433902	0.04464961	20	0.48886921
ENSG00000151689	2	INPP1	191208196	rs291436	2	191169948	A	G	0.755467	0.00963342	0.0111972	0.389602	-0.884414	0.0724359	2.76E-34	-0.0108924	0.012692	0.3907744	0.00229828	20	0.84301004
ENSG00000151690	2	MFSD6	191273081	rs7567059	2	191332169	A	T	0.159046	0.01477	0.0137044	0.281143	0.497877	0.0566956	1.61E-18	0.029666	0.0277322	0.284741	0.01305436	20	0.79513447
ENSG00000196950	2	SLC39A10	196440701	rs10208493	2	196590414	T	C	0.581511	0.00367399	0.00822367	0.655049	0.394034	0.0516575	2.39E-14	0.00932404	0.0209062	0.6556018	0.3109359	20	0.92834527
ENSG00000226124	2	FTCDNL1	200625267	rs11687699	2	200626678	A	G	0.66004	0.00644104	0.00947927	0.496829	-0.542482	0.0783693	4.45E-12	-0.0118733	0.0175579	0.4988904	0.2849504	11	0.88088085
ENSG00000162971	2	TYW5	200794698	rs4673627	2	200848896	A	G	0.552684	-0.0113957	0.00806285	0.157551	0.442036	0.0475112	1.35E-20	-0.02578	0.0184495	0.1623151	0.00326855	20	0.69993711
ENSG00000240344	2	PPIL3	201735630	rs2136600	2	201742345	T	C	0.254473	0.0098447	0.0094761	0.298852	-0.860478	0.0705065	2.95E-34	-0.011441	0.0110524	0.300597	0.3666858	20	0.80750206
ENSG00000064012	2	CASP8	202098166	rs9677180	2	202184331	T	C	0.7167	-0.0023558	0.0085968	0.784061	-0.978694	0.0886854	2.57E-28	0.00240706	0.00878666	0.7841266	0.6804328	20	0.96375538
ENSG00000155749	2	ALS2CR12	202152994	rs7560328	2	202164837	C	A	0.614314	-0.000447	0.00827166	0.956908	-0.644843	0.076636	3.95E-17	0.00069312	0.0128277	0.9569087	0.3533262	12	0.98968811
ENSG00000273209	2	RP11-107N15.1	202897493	rs1851318	2	202923778	C	T	0.289264	-0.0003852	0.00839927	0.963425	0.640564	0.0922974	3.92E-12	-0.0006013	0.0131126	0.9634252	0.6987675	6	0.98999911
ENSG00000114933	2	INO80D	206858445	rs7559675	2	206958287	C	T	0.43837	-0.0011225	0.00812849	0.890168	0.36365	0.0530982	7.46E-12	-0.0030867	0.0223571	0.8901898	0.1945754	20	0.97924277
ENSG00000023228	2	NDUFS1	206979541	rs12694039	2	206953057	G	A	0.479125	-9.39E-05	0.00806854	0.990713	-0.252334	0.0366159	5.53E-12	0.00037219	0.0319757	0.9907129	0.3894802	12	0.99856501
ENSG00000138400	2	MDH1B	207602487	rs3828294	2	207629904	A	G	0.259443	0.00646004	0.00857921	0.451458	0.709384	0.0840311	3.12E-17	0.00910655	0.0121419	0.4532486	0.3289512	20	0.86795298
ENSG00000234281	2	AC007970.1	211189483	rs17770211	2	211295019	C	A	0.37674	-0.0064622	0.00825137	0.433527	0.372985	0.0631852	3.57E-09	-0.0173257	0.0223164	0.437532	0.5088016	12	0.86354175
ENSG00000115365	2	LANCL1	211295973	rs62203674	2	211345006	C	T	0.488072	0.00075676	0.00806211	0.925216	0.180485	0.0287104	3.25E-10	0.0041929	0.0446741	0.9252242	0.5515535	12	0.98393256
ENSG00000270659	2	RP11-105N14.1	214017694	rs11903721	2	214016752	C	G	0.462227	-0.0119196	0.00817523	0.144836	0.565688	0.0957932	3.52E-09	-0.021071	0.0148858	0.1569196	0.03074076	6	0.69737216
ENSG00000138363	2	ATIC	216176540	rs28366034	2	216176780	T	C	0.140159	0.009994	0.0116167	0.389615	0.844291	0.0853452	4.48E-23	0.0118372	0.0138111	0.3914016	0.320171	14	0.84301004
ENSG00000079246	2	XRCC5	216972187	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	-0.708843	0.110324	1.32E-10	0.010283	0.0284743	0.7179992	0.4518921	3	0.94380637
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	1.49422	0.16516	1.47E-19	-0.0048782	0.0134973	0.7177877	0.8913342	7	0.94380637
ENSG00000261338	2	RP11-378A13.1	219120042	rs12999734	2	219121528	G	A	0.587475	-0.0025925	0.00858517	0.762669	0.943974	0.0637326	1.23E-49	-0.0027464	0.0090966	0.762716	0.2275782	20	0.95713352
ENSG00000135913	2	USP37	219314974	rs13431399	2	219469498	C	G	0.37674	0.0193202	0.00824336	0.0190924	-0.164816	0.0293215	1.90E-08	-0.117223	0.0541891	0.03052451	0.4742317	8	0.46979625
ENSG00000115556	2	PLCD4	219472488	rs623174	2	219436972	T	A	0.593439	-0.0194781	0.00812613	0.0165314	0.555643	0.0814322	8.89E-12	-0.0350551	0.0155009	0.02372882	0.3925714	12	0.42398436
ENSG00000115568	2	ZNF142	219502639	rs114456768	2	219312106	C	T	0.0258449	0.00196729	0.0224535	0.930182	0.686356	0.125304	4.31E-08	0.00286628	0.0327183	0.9301906	0.8859815	4	0.98455434
ENSG00000163501	2	IHH	219919142	rs6436109	2	219980481	T	A	0.765408	-0.0380683	0.0104076	0.00025444	0.548986	0.0846413	8.81E-11	-0.0693429	0.0217647	0.00144238	0.8006559	8	0.17322719
ENSG00000115649	2	CNPPD1	220036619	rs6715064	2	220041928	T	C	0.305169	0.0194745	0.00869915	0.0251773	-0.467389	0.0695595	1.83E-11	-0.0416666	0.0196181	0.03367941	0.03428495	7	0.48597966
ENSG00000144567	2	FAM134A	220040947	rs7577690	2	220045035	A	G	0.313121	0.0197913	0.00869872	0.0228944	-0.373333	0.0434842	9.04E-18	-0.0530125	0.0241044	0.02785788	0.01160878	11	0.45322628
ENSG00000158552	2	ZFAND2B	220059959	rs13029742	2	220035118	A	C	0.297217	0.0171736	0.00882281	0.0515941	-0.350223	0.0523762	2.28E-11	-0.0490362	0.0262377	0.06163338	0.01569567	8	0.55267744
ENSG00000115657	2	ABCB6	220074490	rs7577690	2	220045035	A	G	0.313121	0.0197913	0.00869872	0.0228944	-0.247781	0.0424326	5.24E-09	-0.0798742	0.0376771	0.03400905	0.03248129	6	0.48774109
ENSG00000268603	2	RP11-316O14.1	220362333	rs2280039	2	220363488	G	A	0.353877	-0.0012996	0.00858753	0.879707	0.742752	0.104856	1.41E-12	-0.0017498	0.0115644	0.8797345	0.173088	14	0.97689669
ENSG00000261428	2	RP11-16P6.1	223431624	rs10170846	2	223517705	G	C	0.742545	0.00689174	0.00885041	0.436161	0.549231	0.0692992	2.27E-15	0.012548	0.0161918	0.4383632	0.7086331	7	0.86354175
ENSG00000168958	2	MFF	228189867	rs7562498	2	228190002	G	C	0.785288	-0.002251	0.00912221	0.805096	0.380314	0.0575166	3.79E-11	-0.0059187	0.0240027	0.8052291	0.8109085	10	0.96627637

ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-1.62749	0.183991	9.11E-19	-0.0005333	0.0104984	0.9594844	0.9118946	3	0.98968811
ENSG00000204128	2	C2orf72	231902205	rs6436994	2	231899031	C	G	0.345924	-0.0096726	0.00860087	0.260755	0.439394	0.0656973	2.26E-11	-0.0220135	0.0198492	0.2674133	0.8657649	16	0.78173618
ENSG00000261829	2	RP11-223I10.1	231916755	rs6748332	2	231914845	T	C	0.263419	-0.0069407	0.00869394	0.424674	0.526954	0.0783259	1.72E-11	-0.0131714	0.0166142	0.4279079	0.680131	20	0.85954155
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-0.827206	0.0942365	1.66E-18	-0.01549	0.0111262	0.1638595	0.02249206	19	0.70082793
ENSG00000171596	2	NMUR1	232387871	rs1667311	2	232407340	G	A	0.229622	-0.0169553	0.0110639	0.125403	0.978285	0.113498	6.73E-18	-0.0173317	0.0114868	0.1313432	0.2016398	20	0.67449177
ENSG00000237412	2	PRSS56	233385173	rs2741299	2	233388813	G	T	0.7833	0.0161077	0.0102225	0.115092	-0.846574	0.0988158	1.06E-17	-0.0190269	0.0122777	0.1212096	0.8536042	13	0.66559302
ENSG00000115468	2	EFHD1	233470767	rs35613670	2	233492416	G	C	0.054672	0.0236333	0.0143352	0.0992247	-0.502297	0.0891255	1.74E-08	-0.0470505	0.0297353	0.1135788	0.2238319	6	0.65668723
ENSG00000182600	2	C2orf82	233721980	rs812383	2	233737132	A	C	0.626243	-0.014024	0.00882846	0.112174	0.345504	0.060473	1.11E-08	-0.04059	0.0265217	0.1259062	0.6629405	7	0.66875442
ENSG00000085982	2	USP40	234384166	rs62192778	2	234475415	A	G	0.149105	-0.0116882	0.0126571	0.355769	0.665326	0.080592	1.51E-16	-0.0175676	0.0191426	0.3587621	0.4212836	8	0.83426107
ENSG00000132330	2	SCLY	238969530	rs62196014	2	239010167	G	C	0.162028	-0.0021476	0.012343	0.861869	0.507469	0.0685723	1.36E-13	-0.004232	0.0243294	0.8619072	0.5384731	20	0.9761713
ENSG00000144488	2	ESPNL	239008798	rs1562337	2	239008203	C	T	0.620278	0.00303544	0.00824316	0.712695	0.964471	0.0794777	6.88E-34	0.00314726	0.00855075	0.7128225	0.4477905	20	0.94276983
ENSG00000168427	2	KLHL30	239047363	rs1562337	2	239008203	C	T	0.620278	0.00303544	0.00824316	0.712695	0.942448	0.0860441	6.42E-28	0.0032208	0.00875148	0.7128512	0.4502975	20	0.94276983
ENSG00000144485	2	HES6	239146908	rs11685264	2	239130085	A	G	0.324056	-0.0090838	0.00874569	0.298961	0.838197	0.081219	5.71E-25	-0.0108373	0.0104866	0.3013967	0.9724247	16	0.80750206
ENSG00000130414	2	NDUFA10	240831867	rs12467120	2	240894275	A	G	0.350895	0.00606735	0.00812903	0.455438	0.352993	0.0570362	6.06E-10	0.0171883	0.0231957	0.4586866	0.6478599	7	0.87144074
ENSG00000063660	2	GPC1	241375088	rs71428439	2	241395500	G	A	0.127237	0.0162637	0.0117018	0.164577	-0.570745	0.08514	2.03E-11	-0.0284956	0.0209387	0.1735439	0.4185686	8	0.71004558
ENSG00000144504	2	ANKMY1	241418839	rs13394744	2	241461372	A	T	0.178926	0.0004461	0.00909418	0.960877	-0.693218	0.0879058	3.12E-15	-0.0006435	0.013119	0.9608779	0.5166538	7	0.98968811
ENSG00000162804	2	SNED1	241938255	rs4622719	2	241783959	A	G	0.214712	0.00645876	0.00944667	0.49416	0.55139	0.0867538	2.07E-10	0.0117136	0.0172313	0.4966401	0.162608	15	0.88088085
ENSG00000122085	2	MTERFD2	242011584	rs11893543	2	242059174	A	C	0.0715706	-0.0173429	0.0177801	0.329356	-0.827293	0.101175	2.91E-16	0.0209634	0.0216443	0.3327728	0.2280814	5	0.82527869
ENSG00000115687	2	PASK	242045514	rs758072	2	242083872	T	G	0.0864811	0.0248481	0.0195064	0.202719	0.673248	0.103505	7.80E-11	0.0369078	0.029524	0.2112644	0.7791824	10	0.74515605
ENSG00000146205	2	ANO7	242127924	rs111770284	2	242157087	T	C	0.168986	-0.0247231	0.011887	0.0375396	0.886302	0.116645	3.00E-14	-0.0278947	0.0139053	0.04485105	0.7018152	20	0.52660935
ENSG00000115677	2	HDLBP	242166679	rs62190458	2	242444557	G	C	0.440358	0.0177898	0.00815599	0.0291689	-0.333278	0.0461132	4.92E-13	-0.0533783	0.0255622	0.03678246	0.1078341	20	0.50417602
ENSG00000168385	2	2-Sep	242254515	rs115271170	2	242347614	T	C	0.0974155	0.00844605	0.0150171	0.573824	0.690715	0.0875649	3.07E-15	0.012228	0.0217966	0.5747944	0.1583872	13	0.9004891
ENSG00000006607	2	FARP2	242295658	rs9973927	2	242442246	T	C	0.245527	-0.0058171	0.00972214	0.549617	0.654841	0.0588315	8.88E-29	-0.0088832	0.014868	0.5501932	0.1395936	20	0.89521833
ENSG00000207186	2	RNA5SP122	242524383	rs78341174	2	242519187	C	A	0.138171	-0.0152049	0.0113164	0.179074	0.630036	0.096775	7.50E-11	-0.0241334	0.01834	0.1882129	0.7162606	6	0.72689546
ENSG00000168397	2	ATG4B	242576628	rs4675912	2	242614718	G	A	0.233598	-0.0001966	0.0089958	0.982568	-0.298653	0.0400387	8.71E-14	0.00065815	0.0301214	0.9825678	0.2425231	20	0.99519596
ENSG00000168393	2	DTYMK	242615157	rs34833696	2	242622692	A	G	0.435388	-6.17E-05	0.00843437	0.994163	-0.344042	0.0490347	2.28E-12	0.00017935	0.0245155	0.9941631	0.4672611	13	0.99876374
ENSG00000180902	2	D2HGDH	242673994	rs4675886	2	242678898	G	C	0.631213	0.00449362	0.00858232	0.600564	-0.633485	0.0710638	4.91E-19	-0.0070935	0.0135711	0.6011903	0.9328896	20	0.91078664
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.01265	0.0783639	3.36E-38	0.0173718	0.00916188	0.05794672	0.4556165	20	0.55096441
ENSG00000216921	2	AC131097.4	242836136	rs116074434	2	242837497	A	G	0.0328032	0.00854935	0.0335718	0.798987	1.44805	0.244653	3.24E-09	0.00590404	0.0232056	0.7991686	0.20807	15	0.96408387
ENSG00000261186	2	RP11-341N2.1	243029505	rs12616338	2	243035759	A	C	0.457256	0.0124272	0.00879536	0.157679	0.94379	0.0834685	1.21E-29	0.0131673	0.00939167	0.1609083	0.3192113	20	0.69993711
ENSG00000220804	2	AC093642.5	243030784	rs559186830	2	243087313	T	C	0.026839	-0.0413214	0.02827	0.143832	-1.24839	0.167823	1.02E-13	0.0330998	0.0230782	0.1515027	0.8054172	3	0.69162558
ENSG00000134121	3	CHL1	238279	rs9790115	3	145723	G	T	0.519881	-0.0110807	0.00822228	0.177772	0.561878	0.0885663	2.24E-10	-0.0197208	0.0149601	0.1874267	0.3069119	18	0.72629627
ENSG00000134115	3	CNTN6	1134260	rs6796218	3	1553690	G	A	0.368787	-0.0131155	0.00903018	0.146389	-0.399363	0.066661	2.09E-09	0.032841	0.0232665	0.1580915	0.6087108	6	0.69812389
ENSG00000144455	3	SUMF1	3742498	rs6796505	3	4405257	T	C	0.588469	-0.0040523	0.00814119	0.618657	-0.612902	0.0669667	5.57E-20	0.00661168	0.0133027	0.6191753	0.5750383	11	0.91759776
ENSG00000206573	3	SETD5-AS1	9391373	rs62246274	3	9436586	A	G	0.313121	-0.0045852	0.00853614	0.591165	0.314206	0.0549117	1.05E-08	-0.0145929	0.0272868	0.5927904	0.4216314	15	0.90678602
ENSG00000214021	3	TTLL3	9849770	rs13088594	3	9876301	T	G	0.912525	0.00375262	0.016978	0.82507	0.607962	0.106146	1.02E-08	0.00617246	0.0279469	0.8251983	0.2470618	3	0.97052125
ENSG00000156990	3	RPUSD3	9879533	rs2290306	3	9885615	C	G	0.05666	0.00311167	0.0184157	0.865822	-0.72899	0.0838542	3.51E-18	-0.0042685	0.0252667	0.8658467	0.1799756	5	0.9761713
ENSG00000163702	3	IL17RC	9958758	rs432815	3	9949659	A	T	0.554672	-0.0030565	0.00817245	0.708401	-0.715571	0.0577016	2.57E-35	0.00427147	0.0114261	0.7085268	0.6829351	20	0.94206936
ENSG00000157017	3	GHRL	10327359	rs149162	3	10342262	T	C	0.641153	0.00282191	0.00836368	0.735816	0.589799	0.0916956	1.26E-10	0.00478453	0.0142001	0.7361642	0.5061621	20	0.94830822
ENSG00000240288	3	GHRLOS	10327438	rs35681	3	10329377	C	T	0.539761	0.00454654	0.00810796	0.574967	0.63993	0.0912149	2.29E-12	0.00710475	0.0127105	0.5761839	0.9023186	20	0.9004891
ENSG00000197548	3	ATG7	11313995	rs8154	3	11596302	C	T	0.32008	0.00217072	0.00898083	0.809008	0.297064	0.0514932	7.97E-09	0.00730725	0.0302585	0.8091722	0.5315123	8	0.96881317
ENSG00000144559	3	TAMM41	11831916	rs6442289	3	11850367	T	G	0.415507	-0.0071617	0.00808657	0.37582	-0.810457	0.0752112	4.48E-27	0.00883657	0.0100114	0.3774265	0.6231587	20	0.83735401
ENSG00000132170	3	PPARG	12328867	rs73025230	3	12379911	C	A	0.0964215	-0.0063929	0.0135478	0.637011	1.77606	0.158215	3.05E-29	-0.0035995	0.00763474	0.6373095	0.8199118	20	0.92237337
ENSG00000144711	3	IQSEC1	12938719	rs1157649	3	13110476	C	T	0.194831	0.00366477	0.01167	0.753494	0.591348	0.0854496	4.50E-12	0.00619732	0.0197549	0.7537409	0.1570962	7	0.95502521
ENSG00000132182	3	NUP210	13357737	rs352388	3	13494568	A	T	0.4334	0.00108045	0.00809107	0.893769	0.369533	0.049775	1.14E-13	0.00292383	0.0218989	0.8937865	0.02309004	18	0.98091513
ENSG00000233121	3	VN1R20P	13968310	rs13097822	3	13969396	A	T	0.357853	0.0116297	0.00855732	0.174137	0.683341	0.100918	1.28E-11	0.0170189	0.0127725	0.1827082	0.356566	17	0.72039136
ENSG00000131389	3	SLC6A6	14444076	rs2304510	3	14520560	C	G	0.148111	0.00886916	0.0117044	0.448592	0.540683	0.0718886	5.43E-14	0.0164036	0.021757	0.4508817	0.8328638	10	0.86795298
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.709645	0.0795416	4.59E-19	0.00689966	0.011581	0.5513254	0.7982062	8	0.89521833
ENSG00000131379	3	C3orf20	14716606	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	-0.62429	0.0989458	2.80E-10	-0.007843	0.0131937	0.5522099	0.9713829	5	0.89575241
ENSG00000224660	3	SH3BP5-AS1	15295691	rs78365740	3	15299846	C	G	0.120278	-0.0002524	0.0132769	0.984831	0.813429	0.11219	4.15E-13	-0.0003103	0.0163222	0.9848308	0.7881447	5	0.99601101
ENSG00000144597	3	EAF1	15468862	rs56822886	3	15585336	G	A	0.321074	-0.0119119	0.00919986	0.195393	0.90657	0.0630489	7.03E-47	-0.0131395	0.010189	0.1971987	0.8726706	20	0.73350751
ENSG00000249786	3	EAF1-AS1	15477678	rs3846127	3	15491527	C	G	0.426441	-0.0178062	0.00849944	0.0361726	0.686874	0.0920294	8.42E-14	-0.0259235	0.0128523	0.04369214	0.8337409	20	0.52475565
ENSG00000206561	3	COLQ	15491640	rs989682	3	15564453	A	G	0.282306	-0.014359	0.00953677	0.132157	0.72013	0.0756206	1.68E-21	-0.0199395	0.0134076	0.1369692	0.7909662	20	0.67621438
ENSG00000131378	3	RFTN1	16355081	rs689691	3	16401146	C	T	0.502982	-0.0052937	0.00814082	0.515522	0.378614	0.057603	4.94E-11	-0.0139817	0.0216066	0.5175642	0.1430007	12	0.88693216
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	1.11787	0.079725	1.15E-44	-0.0005695	0.00745444	0.9391073	0.00025721	20	0.9880402
ENSG00000272282	3	RP11-222K16.2	27754401	rs72902589	3	27754726	C	G	0.213718	0.0162609	0.0094071	0.0838842	0.499606	0.0889909	1.98E-08	0.0325474	0.0197013	0.09852591	0.7004905	7	0.63086722
ENSG00000144645	3	OSBPL10	31699382	rs9847964	3	32001194	T	C	0.307157	0.00542507	0.00846036	0.521371	0.66447	0.0853033	6.73E-15	0.00816451	0.0127756	0.522776	0.103734	15	0.88693216
ENSG00000197385	3	ZNF860	32023263	rs9847964	3	32001194	T	C	0.307157	0.00542507	0.00846036	0.521371	0.5063	0.0840374	1.69E-09	0.0107151	0.0168046	0.5237129	0.1461442	12	0.88695061
ENSG00000153551	3	CMTM7	32433163	rs3913495	3	32443159	C	G	0.372763	-0.0045696	0.00817617	0.576235	0.81839	0.0722817	1.02E-29	-0.0055837	0.0100027	0.5766991	0.00824678	12	0.9004891
ENSG00000091317	3	CMTM6	32522804	rs62250550	3	32440981	A	G	0.316103	-0.0059996	0.00841414	0.475823	0.423671	0.0682062	5.24E-10	-0.014161	0.0199905	0.4787064	0.2267533	4	0.87699866
ENSG00000170266	3	GLB1	33038100	rs6780220	3	33087200	C	A	0.133201	9.51E-05	0.010297	0.992629	0.933525	0.122801	2.92E-14	0.0001019	0.0110302	0.9926292	0.3227639	16	0.99876374
ENSG00000223899	3	SEC13P1	33075355	rs6780220	3	33087200	C	A	0.133201	9.51E-05	0.010297	0.992629	1.15341	0.132644	3.45E-18	8.25E-05	0.00892745	0.9926292	0.3577765	19	0.99876374
ENSG00000170275	3	CRTAP	33155471	rs4678686	3	33158912	A	G	0.857853	-0.0140727	0.0131945	0.286169	0.516192	0.0943951	4.54E-08	-0.0272625	0.0260429	0.2951767	0.2079939	6	0.80533525
ENSG00000153560	3	UBP1	33429828	rs17030546	3	33426883	G	C	0.237575	0.0157834	0.0090855	0.0823512	0.802198	0.0677692	2.51E-32	0.0196752	0.0114471	0.08565143	0.2521909	20	0.59548107
ENSG00000170248	3	PDCD6IP	33839844	rs4592979	3	33866114	A	G	0.233598	-0.0184016	0.0094551	0.0516297	0.64468	0.0578445	7.57E-29	-0.0285438	0.0148883	0.05521292	0.9573727	20	0.54765098
ENSG00000144681	3	STAC	36421836	rs9881848	3	36234539	G	A	0.122266	0.00448135	0.0109302	0.681809	-0.845336	0.110553	2.07E-14	-0.0053013	0.0129486	0.6822396	0.3573476	20	0.93468019
ENSG00000144668	3	ITGA9	37493606	rs267535	3	37588998	A	G	0.550696	-0.0043871	0.00815739	0.590708	0.628815	0.0842797	8.58E-14	-0.0069768	0.0130063	0.5916692	0.547976	12	0.90663738
ENSG00000229589	3	ACVR2B-AS1	38492518	rs2051214	3	38560303	A	C	0.387674	0.0121329	0.00815909	0.137003	0.322304	0.0580589	2.84E-08	0.0376443	0.0262074	0.1508888	0.1494309	9	0.69162558
ENSG00000157036	3	EXOG	38537618	rs1073506	3	38566235	T	G	0.387674	0.0130314	0.00816288	0.110396	0.371425	0.0555775	2.34E-11	0.0350849	0.0225955	0.1204865	0.08967268	8	0.66559302
ENSG00000168026	3	TTC21A	39149152	rs6800630	3	39155379	A	G	0.114314	-0.0013551	0.0168665	0.935967	0.760278	0.116814	7.59E-11	-0.0017823	0.0221863	0.9359715	0.4040889	13	0.98728731
ENSG00000168028	3	RPSA	39448180	rs1803893	3	39449137	C	T	0.496024	-0.0020146	0.00812032	0.804067	-0.337651	0.0435036	8.40E-15	0.00596637	0.0240617	0.8041647	0.5353896	15	0.96614993
ENSG00000170011	3	MYRIP	39850405	rs1598995	3	39982005	G	A	0.0984095	-0.003242	0.0116687	0.781138	-0.987016	0.100511	9.24E-23	0.00328461	0.0118269	0.7812252	0.6511405	7	0.96342048
ENSG00000223797	3	ENTPD3-AS1	40355293	rs4571215	3	40514581	G	A	0.701789	0.00909414	0.00842123	0.280184	-0.412882	0.0697019	3.15E-09	-0.022026	0.0207324	0.2880561	0.4566059	11	0.79706543
ENSG00000177873	3	ZNF619	40518604	rs13100795	3	40513974	A	C	0.682903	0.00941407	0.00834862	0.259481	-0.392421	0.0511177	1.63E-14	-0.0239897	0.0215029	0.2645725	0.4299667	20	0.77910332
ENSG00000168038	3	ULK4	41288090	rs56377114	3	41869475	G	C	0.189861	0.00505399	0.00999713	0.613177	0.892452	0.101768	1.79E-18	0.00566304	0.0112205	0.6137652	0.5272388	6	0.9147172
ENSG00000010282	3	HHATL	42734155	rs339682	3	42791123	G	A	0.762425	-0.0263716	0.00918014	0.00407015	-0.46043	0.0734541	3.65E-10	0.057276	0.0219323	0.00901472	0.6708889	8	0.34446388
ENSG00000181061	3	HIGD1A	42798669	rs112042968	3	42860158	G	A	0.217694	0.0273547	0.00915005	0.0027937	-0.457511	0.04985	4.40E-20	-0.0597903	0.0210339	0.00447526	0.9356252	13	0.27554195
ENSG00000144792	3	ZNF660	44619715	rs939649	3	44632212	T	G	0.899602	0.00131379	0.0142605	0.926596	-1.30172	0.091337	4.37E-46	-0.0010093	0.0109553	0.9265979	0.4673899	20	0.98417886
ENSG00000214820	3	MPRIPP1	44621430	rs4463006	3	44749385	C	A	0.554672	-0.0258594	0.00808635	0.0013843	0.578259	0.0794727	3.43E-13	-0.0447194	0.015275	0.00341557	0.4749032	20	0.27554195
ENSG00000196653	3	ZNF502	44754135	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.510722	0.0700906	3.18E-13	-0.0525378	0.0203522	0.00983932	0.09029603	20	0.34446388
ENSG00000186446	3	ZNF501	44771088	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.676505	0.0823347	2.09E-16	-0.039663	0.0151575	0.00887766	0.07887572	20	0.34446388
ENSG00000163807	3	KIAA1143	44779153	rs1463950	3	44835573	G	A	0.585487	-0.026459	0.00807549	0.00105116	-0.449283	0.0471937	1.73E-21	0.0588916	0.0190089	0.00194762	0.240022	20	0.19953408
ENSG00000249992	3	TMEM158	45265958	rs148864127	3	45542305	C	T	0.0168986	-0.0131905	0.0349685	0.706018	1.91409	0.273918	2.79E-12	-0.0068913	0.0182956	0.7064244	0.6678097	4	0.94206936
ENSG00000011376	3	LARS2	45429998	rs2159894	3	45398042	G	A	0.777336	0.00976693	0.00914009	0.285258	-0.420678	0.075027	2.06E-08	-0.0232171	0.0221181	0.2938612	0.4057336	10	0.8051437
ENSG00000144791	3	LIMD1	45596886	rs148864127	3	45542305	C	T	0.0168986	-0.0131905	0.0349685	0.706018	1.81383	0.306212	3.15E-09	-0.0072722	0.0193179	0.7065836	0.6226913	4	0.94206936
ENSG00000163827	3	LRRC2	46556913	rs4683259	3	46698538	C	T	0.469185	-0.0115672	0.00811136	0.153853	-0.498568	0.0887299	1.92E-08	0.0232008	0.0167851	0.1669015	0.6019335	5	0.7037325
ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.716202	0.0869948	1.83E-16	-0.029581	0.0126784	0.0196389	0.4830842	7	0.40240106
ENSG00000178038	3	ALS2CL	46710487	rs4683259	3	46698538	C	T	0.469185	-0.0115672	0.00811136	0.153853	-0.505833	0.0802869	2.97E-10	0.0228676	0.0164413	0.1642661	0.8183075	10	0.70082793
ENSG00000188086	3	PRSS45	46783582	rs57268847	3	46794745	T	A	0.149105	-0.0097795	0.0102912	0.341973	0.904015	0.118987	3.02E-14	-0.0108178	0.0114726	0.3457177	0.5222341	17	0.83026848
ENSG00000226074	3	PRSS44	46850849	rs6763025	3	46852049	A	G	0.0238569	-0.0144894	0.0307945	0.637984	1.08683	0.198924	4.67E-08	-0.0133318	0.0284391	0.6392241	0.9489579	3	0.92237337
ENSG00000160801	3	PTH1R	46919236	rs144645644	3	46934290	T	G	0.0159046	-0.000175	0.0291765	0.995215	1.82329	0.211337	6.28E-18	-9.60E-05	0.0160021	0.9952152	0.7935781	5	0.99876374
ENSG00000160796	3	NBEAL2	47021173	rs7621911	3	47131595	A	G	0.585487	0.010263	0.00822156	0.211919	-0.359557	0.0562865	1.68E-10	-0.0285435	0.0232983	0.2205261	0.09456908	18	0.75497764
ENSG00000164045	3	CDC25A	48198636	rs13097450	3	48267825	C	T	0.291252	-0.0270031	0.00998153	0.00682417	0.953952	0.103181	2.34E-20	-0.0283066	0.0109021	0.0094197	0.4038181	17	0.34446388
ENSG00000164048	3	ZNF589	48282590	rs6806112	3	48276077	T	A	0.328032	-0.0243577	0.00960392	0.0112052	0.847773	0.0774636	7.09E-28	-0.0287314	0.0116286	0.01348311	0.2717117	20	0.37299146
ENSG00000229759	3	MRPS18AP1	48297840	rs9846818	3	48375685	T	C	0.32505	-0.0271519	0.00964597	0.00488011	1.05789	0.102284	4.52E-25	-0.0256661	0.00944978	0.00660657	0.3573116	20	0.30419928
ENSG00000228638	3	FCF1P2	48332283	rs35942721	3	48173069	T	C	0.275348	-0.0261245	0.0103989	0.0119964	-0.463037	0.0797886	6.50E-09	0.0564199	0.0244721	0.02113955	0.1602499	8	0.41056813
ENSG00000232112	3	TMA7	48481667	rs13091785	3	48494098	C	T	0.536779	-0.001749	0.00820963	0.831293	0.311788	0.0404711	1.32E-14	-0.0056096	0.0263409	0.8313573	0.02155835	16	0.97248978
ENSG00000213689	3	TREX1	48506445	rs13324374	3	48484890	C	T	0.536779	-0.0016814	0.00820968	0.837726	0.41362	0.0511557	6.19E-16	-0.004065	0.0198547	0.837778	0.2304175	9	0.97376482
ENSG00000213672	3	NCKIPSD	48701364	rs1352420	3	48757291	G	A	0.656064	-0.0284511	0.00850805	0.00082573	0.547481	0.0547168	1.44E-23	-0.0519673	0.0163853	0.00151612	0.04085611	20	0.17322719
ENSG00000068745	3	IP6K2	48725436	rs72929172	3	48731961	G	A	0.0646123	0.034796	0.0167667	0.0379586	0.514904	0.0868233	3.02E-09	0.0675776	0.034499	0.05013262	0.43584	6	0.53502872
ENSG00000178252	3	WDR6	49044495	rs7647093	3	48977398	G	T	0.66501	-0.0286954	0.00854231	0.00078168	-0.435585	0.0474958	4.69E-20	0.0658778	0.0208853	0.001609	0.1157343	20	0.17322719
ENSG00000178149	3	DALRD3	49052921	rs4858798	3	48727112	A	G	0.652087	-0.0280507	0.00849501	0.00095993	0.324428	0.0593796	4.66E-08	-0.086462	0.0305952	0.00471327	0.3466115	9	0.27554195
ENSG00000198218	3	QRICH1	49067140	rs6446247	3	49102001	T	A	0.780318	-0.0194884	0.0098173	0.0471324	-0.39021	0.0560024	3.22E-12	0.0499434	0.0261602	0.05624416	0.1331168	20	0.5488752
ENSG00000177352	3	CCDC71	49199968	rs4499638	3	49202782	G	C	0.645129	-0.0323049	0.00856989	0.00016352	-0.562139	0.0618042	9.42E-20	0.0574678	0.0165026	0.00049703	0.00053325	20	0.16441006
ENSG00000145020	3	AMT	49454211	rs113741748	3	49490780	A	G	0.23161	0.0169274	0.0100564	0.0923294	-0.556154	0.0573799	3.25E-22	-0.0304365	0.0183527	0.097232	0.01907771	20	0.63011258
ENSG00000164068	3	RNF123	49726932	rs9871654	3	49825370	C	T	0.473161	0.0194208	0.00841808	0.0210528	0.290777	0.0387673	6.35E-14	0.0667893	0.0302888	0.02744821	0.07097005	19	0.45322628
ENSG00000173540	3	GMPPB	49754277	rs62262722	3	49769419	C	G	0.16004	0.0237903	0.0130644	0.0686072	0.774215	0.0731625	3.61E-26	0.0307283	0.0171224	0.07271357	6.05E-05	20	0.56880371
ENSG00000185614	3	FAM212A	49840687	rs2352974	3	49890613	T	C	0.466203	0.0154937	0.00848877	0.067972	0.577474	0.0613923	5.14E-21	0.0268301	0.014974	0.07316827	0.1520781	20	0.56880371
ENSG00000164078	3	MST1R	49924435	rs2280406	3	49941436	A	G	0.491054	0.00307652	0.00823933	0.708854	0.516467	0.0685631	4.97E-14	0.00595686	0.0159728	0.7091957	0.02997681	16	0.94206936
ENSG00000004534	3	RBM6	49977440	rs2008877	3	50162291	G	T	0.493042	-0.0034167	0.0080868	0.672654	0.445138	0.0441532	6.66E-24	-0.0076757	0.0181829	0.6729245	0.04550657	20	0.93384511
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.730546	0.0755759	4.19E-22	0.0165979	0.0112951	0.1417039	0.00289455	11	0.68835807
ENSG00000162244	3	RPL29	52027616	rs323864	3	52027330	C	T	0.0248509	-0.0048432	0.031709	0.878603	-0.481685	0.0806944	2.38E-09	0.0100548	0.0658509	0.8786428	0.9759322	3	0.97689669
ENSG00000164088	3	PPM1M	52279841	rs3844291	3	52341215	C	A	0.351889	-0.0226636	0.00835669	0.00668729	-0.459825	0.0562621	3.01E-16	0.0492874	0.0191481	0.01005257	0.0022226	20	0.34446388
ENSG00000168237	3	GLYCTK	52321105	rs2016575	3	52477080	C	T	0.837972	0.0100922	0.0135883	0.457653	0.430281	0.0773782	2.69E-08	0.0234549	0.0318605	0.4616241	0.249111	9	0.87178458
ENSG00000114841	3	DNAH1	52350335	rs56357549	3	52374516	G	T	0.163022	-0.0116953	0.013593	0.389575	-0.441503	0.0628449	2.14E-12	0.0264897	0.031018	0.3930992	0.2119789	13	0.84301004
ENSG00000010319	3	SEMA3G	52467069	rs11713464	3	52268392	G	C	0.125249	0.00841796	0.0157086	0.59204	-0.331484	0.0605318	4.35E-08	-0.0253948	0.0476151	0.5938019	0.522545	3	0.90692128
ENSG00000163938	3	GNL3	52715172	rs35212380	3	52752959	G	C	0.519881	-0.0371917	0.00806166	3.96E-06	-0.500032	0.0636177	3.84E-15	0.0743786	0.0186943	6.93E-05	0.2032396	20	0.09466089
ENSG00000055955	3	ITIH4	52846991	rs12496077	3	52886241	A	G	0.264414	-0.0381357	0.00916186	3.15E-05	0.869394	0.0995518	2.48E-18	-0.0438647	0.011674	0.00017164	0.00199877	20	0.11723299
ENSG00000242142	3	SERBP1P3	53098299	rs2564921	3	53125585	C	T	0.597416	0.00348168	0.00815815	0.669544	0.805505	0.0666687	1.31E-33	0.00432236	0.0101343	0.6697383	1.18E-05	20	0.93167988
ENSG00000163933	3	RFT1	53122499	rs2564921	3	53125585	C	T	0.597416	0.00348168	0.00815815	0.669544	-0.8203	0.064868	1.18E-36	-0.0042444	0.00995099	0.6697214	1.21E-05	20	0.93167988
ENSG00000016391	3	CHDH	53846362	rs3755817	3	53879372	C	T	0.307157	-0.0110821	0.00871255	0.203383	-0.599258	0.0845737	1.38E-12	0.018493	0.0147713	0.2105854	0.4207458	20	0.74515605
ENSG00000056736	3	IL17RB	53880607	rs1992154	3	53926087	T	G	0.450298	0.00922189	0.00816821	0.258899	0.666831	0.0941792	1.44E-12	0.0138294	0.012404	0.2648876	0.1965866	16	0.77910332
ENSG00000113812	3	ACTR8	53901093	rs57398949	3	53933611	T	C	0.327038	0.00398289	0.0088333	0.652065	-0.289164	0.0427242	1.30E-11	-0.0137738	0.0306154	0.6527842	0.07170813	10	0.92725626
ENSG00000114251	3	WNT5A	55499743	rs11926826	3	56273512	A	C	0.0427435	0.0340928	0.0216114	0.114672	0.694591	0.116022	2.14E-09	0.0490833	0.0321759	0.127143	0.1079439	18	0.66970696
ENSG00000187672	3	ERC2	55542336	rs112582428	3	56264055	A	G	0.0427435	0.0341216	0.0216012	0.114195	1.37385	0.166789	1.77E-16	0.0248365	0.0160096	0.1208184	0.00339792	20	0.66559302
ENSG00000180376	3	CCDC66	56591189	rs6791987	3	56579538	T	C	0.410537	-0.0065528	0.00807779	0.417241	-0.37953	0.0580905	6.43E-11	0.0172657	0.0214471	0.4207994	0.2487792	20	0.85707798
ENSG00000239388	3	ASB14	57302375	rs11544593	3	57303684	G	A	0.159046	-0.011752	0.0104787	0.262068	0.693792	0.101493	8.15E-12	-0.0169388	0.0153054	0.2684162	0.6463057	20	0.78217005
ENSG00000136068	3	FLNB	57994127	rs2362241	3	58096524	C	T	0.054672	-0.0109861	0.0147428	0.456159	-0.754192	0.116948	1.13E-10	0.0145667	0.0196779	0.4591432	0.04487656	11	0.87162505
ENSG00000163684	3	RPP14	58291974	rs2271634	3	58260149	G	T	0.266402	-0.0033772	0.00867691	0.697113	-0.410663	0.070075	4.62E-09	0.00822385	0.0211756	0.6977461	0.4499691	12	0.93965282
ENSG00000168297	3	PXK	58318607	rs34137944	3	58462632	C	G	0.132207	0.0015561	0.0109356	0.886845	-0.520686	0.0672143	9.43E-15	-0.0029886	0.0210058	0.8868646	0.7799743	16	0.97855798
ENSG00000168291	3	PDHB	58413357	rs11714574	3	58380465	T	A	0.431412	0.00335665	0.00804232	0.676405	0.330823	0.0392876	3.75E-17	0.0101464	0.0243399	0.6767797	0.9750754	20	0.93468019
ENSG00000163630	3	SYNPR	63213991	rs2367789	3	63288254	C	A	0.833996	0.00345706	0.0117033	0.767696	-0.465142	0.0748311	5.10E-10	-0.0074323	0.0251891	0.7679489	0.160072	10	0.95821133
ENSG00000163634	3	THOC7	63819546	rs832190	3	63842629	T	C	0.60338	0.00819559	0.0083862	0.328435	0.310415	0.0474687	6.18E-11	0.026402	0.0273161	0.3337753	0.8815904	11	0.82540122
ENSG00000144741	3	SLC25A26	66119285	rs141088312	3	66288450	C	T	0.345924	-0.0133966	0.00807627	0.0971628	-0.409833	0.0597205	6.77E-12	0.0326879	0.0202737	0.1068904	0.4701446	20	0.64397126
ENSG00000244026	3	FAM86DP	75470703	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.13549	0.162504	2.80E-12	0.015127	0.0135987	0.265975	0.5562988	8	0.77910332
ENSG00000272690	3	RP11-803B1.8	75484499	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.23238	0.172349	8.65E-13	0.0139377	0.0125224	0.2657018	0.6001713	9	0.77910332
ENSG00000239519	3	CADM2-AS1	86041333	rs13083257	3	86042815	C	G	0.412525	0.00281433	0.00827695	0.733841	0.885849	0.0965907	4.68E-20	0.00317699	0.00934994	0.7340171	0.4441824	20	0.94830822
ENSG00000241328	3	RP11-331K15.1	86531093	rs12489320	3	86555149	C	T	0.194831	-0.0061233	0.00953028	0.520546	1.01638	0.0844472	2.31E-33	-0.0060246	0.00939004	0.5211387	0.924335	20	0.88693216
ENSG00000231861	3	OR5K2	98216448	rs73144159	3	98245688	G	A	0.11332	-0.0257305	0.0138554	0.0633024	1.20916	0.138285	2.25E-18	-0.0212796	0.0117143	0.06928508	0.2119018	3	0.56129172
ENSG00000080819	3	CPOX	98239976	rs1675531	3	98310872	T	A	0.688867	-0.0040581	0.00873292	0.642158	0.381696	0.0668298	1.12E-08	-0.0106316	0.0229549	0.6432541	0.5044368	4	0.92500067
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.851987	0.0783875	1.62E-27	0.00537616	0.0095096	0.5718423	0.8260433	16	0.9004891
ENSG00000114021	3	NIT2	100053545	rs277627	3	100055273	A	G	0.694831	0.00152098	0.00844055	0.856996	-0.472924	0.0847348	2.39E-08	-0.0032161	0.0178569	0.8570699	0.5573989	3	0.9761713
ENSG00000154174	3	TOMM70A	100082275	rs112847485	3	100197963	A	G	0.277336	0.00116431	0.00993755	0.906731	0.221246	0.0387512	1.13E-08	0.00526251	0.0449257	0.9067507	0.4449376	5	0.98098987
ENSG00000244119	3	PDCL3P4	101431316	rs13066768	3	101486920	T	A	0.33499	-0.007125	0.00837752	0.395055	0.646126	0.0642447	8.53E-24	-0.0110272	0.013012	0.396739	0.02649736	20	0.84410017
ENSG00000114423	3	CBLB	105374305	rs10933833	3	105598185	T	A	0.766402	-0.0163145	0.00915622	0.0747825	0.460461	0.0644891	9.32E-13	-0.0354308	0.0204947	0.0838487	0.1341953	15	0.59548107
ENSG00000176040	3	TMPRSS7	111753690	rs9813993	3	111731530	A	G	0.573559	0.00771185	0.008195	0.346683	-1.06603	0.0899142	2.00E-32	-0.0072342	0.00771158	0.3481966	0.3221869	15	0.83151045
ENSG00000114529	3	C3orf52	111805182	rs9813993	3	111731530	A	G	0.573559	0.00771185	0.008195	0.346683	-1.03955	0.0897848	5.31E-31	-0.0074185	0.00790921	0.3482699	0.2971092	10	0.83151045
ENSG00000261488	3	RP11-757F18.5	111852270	rs9813993	3	111731530	A	G	0.573559	0.00771185	0.008195	0.346683	-0.787394	0.0903093	2.81E-18	-0.0097941	0.0104682	0.3494743	0.1957776	10	0.83203655
ENSG00000163608	3	C3orf17	112721287	rs79138304	3	112740079	C	T	0.0397614	-0.009524	0.0272	0.72623	1.11985	0.175914	1.94E-10	-0.0085047	0.0243257	0.7266258	0.6869608	6	0.94590614
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.596182	0.108428	3.83E-08	-0.0138632	0.0137872	0.3146509	0.9427178	5	0.81455426
ENSG00000243795	3	RP11-572M11.3	112861197	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	0.575008	0.0991693	6.70E-09	0.0143737	0.0142708	0.3138343	0.9644653	8	0.81455426
ENSG00000144857	3	BOC	112929850	rs2613919	3	112841580	T	C	0.390656	-0.0052066	0.00809664	0.520184	0.585788	0.0974403	1.84E-09	-0.0088883	0.0139006	0.5225543	0.7874345	10	0.88693216

ENSG00000178075	3	GRAMD1C	113547029	rs9883363	3	113548230	A	G	0.235586	-0.0083463	0.00962821	0.386018	-0.482719	0.0604002	1.33E-15	0.0172902	0.0200628	0.3887947	0.5807847	6	0.84300565
ENSG00000163389	3	POGLUT1	119187785	rs116524207	3	119206620	T	C	0.0725646	-0.0310745	0.0161451	0.0542663	1.49529	0.126532	3.17E-32	-0.0207816	0.0109396	0.05747633	0.5602828	17	0.54903963
ENSG00000144843	3	ADPRH	119298115	rs138015439	3	119298609	A	C	0.0318091	-0.0199124	0.0215006	0.354379	-1.42922	0.177431	7.94E-16	0.0139324	0.0151427	0.3575357	0.8769877	7	0.83426107
ENSG00000121577	3	POPDC2	119355304	rs523476	3	119395662	G	C	0.4334	0.00221826	0.0084641	0.793261	0.381365	0.0696285	4.32E-08	0.00581663	0.0222196	0.7934917	0.3486724	4	0.96375538
ENSG00000173226	3	IQCB1	121488610	rs7642303	3	121484660	T	G	0.617296	-0.0041998	0.00852681	0.622336	0.649419	0.0741782	2.04E-18	-0.006467	0.0131507	0.6228861	0.8957819	17	0.91852725
ENSG00000163406	3	SLC15A2	121612936	rs2689283	3	121638290	T	C	0.423459	-0.0061163	0.00817525	0.454372	0.422376	0.0540228	5.35E-15	-0.0144806	0.0194438	0.4564272	0.4310312	14	0.86795298
ENSG00000196981	3	WDR5B	122130715	rs9821819	3	122069638	G	A	0.264414	0.00580614	0.00849329	0.494219	0.369673	0.060366	9.13E-10	0.0157062	0.0231179	0.4968877	0.9064611	8	0.88088085
ENSG00000114030	3	KPNA1	122140796	rs6438737	3	122228974	T	C	0.405567	0.00831083	0.00806902	0.303025	0.42958	0.0459984	9.72E-21	0.0193464	0.0188974	0.3059484	0.9636593	20	0.80750206
ENSG00000273033	3	RP11-67L2.2	122605788	rs2288677	3	122598291	G	A	0.285288	-0.0080089	0.00851591	0.346981	-0.452738	0.0727442	4.86E-10	0.0176899	0.0190233	0.3524202	0.4028308	6	0.83426107
ENSG00000121542	3	SEC22A	122920774	rs13079069	3	122913515	T	C	0.209742	0.00730211	0.00955022	0.444508	-0.440508	0.0706399	4.49E-10	-0.0165766	0.0218424	0.4479017	0.5691307	18	0.86795298
ENSG00000241288	3	RP11-379B18.5	125546081	rs36074052	3	125554457	A	C	0.16004	0.0110331	0.00952186	0.246571	0.702319	0.114955	9.99E-10	0.0157095	0.0137994	0.2549455	0.7514495	11	0.77529567
ENSG00000171084	3	FAM86JP	125635463	rs13325495	3	125637416	G	T	0.167992	-0.0178737	0.0141986	0.20809	1.18553	0.11967	3.89E-23	-0.0150765	0.0120729	0.2117405	0.1701036	20	0.74515605
ENSG00000189366	3	ALG1L	125648118	rs11925047	3	125698944	A	G	0.280318	0.0167024	0.00882893	0.0585208	-0.989787	0.110076	2.43E-19	-0.0168747	0.00911531	0.06413311	0.4546297	20	0.56029797
ENSG00000144908	3	ALDH1L1	125822412	rs10804575	3	125928827	G	A	0.538767	0.0138988	0.00806143	0.0846876	0.203174	0.0340356	2.38E-09	0.0684084	0.0412992	0.09763939	0.2673229	12	0.63011258
ENSG00000250934	3	RP11-71E19.1	125985639	rs4234278	3	125996966	A	G	0.488072	0.00010527	0.00807796	0.989603	0.609016	0.0800644	2.81E-14	0.00017285	0.013264	0.9896029	0.7841128	5	0.99836862
ENSG00000070476	3	ZXDC	126156444	rs1799398	3	126200403	C	A	0.61829	0.00808649	0.00821274	0.324807	0.449775	0.0602598	8.40E-14	0.017979	0.0184179	0.3289801	0.07068606	20	0.82470658
ENSG00000114554	3	PLXNA1	126707437	rs6439036	3	126887375	C	G	0.604374	0.00233057	0.00816396	0.775284	-0.360094	0.0552552	7.18E-11	-0.0064721	0.0226935	0.7754932	0.5960183	6	0.96214688
ENSG00000163870	3	TPRA1	127291912	rs2720269	3	127311198	A	G	0.082505	0.00498736	0.0124767	0.689352	-0.731073	0.0702466	2.30E-25	-0.006822	0.0170789	0.6895695	0.9901192	17	0.93664429
ENSG00000187715	3	KBTBD12	127634075	rs72983933	3	127692441	A	G	0.0586481	0.0624993	0.0313159	0.0459589	-1.18239	0.140729	4.39E-17	-0.0528584	0.0272222	0.05216859	0.7489548	6	0.54056882
ENSG00000242551	3	POU5F1P6	128393578	rs2001703	3	128383097	G	A	0.636183	-0.0022992	0.00829216	0.781574	-0.576964	0.0835124	4.89E-12	0.00398493	0.0143836	0.7817447	0.634808	12	0.96342048
ENSG00000261159	3	RP11-723O4.9	128578559	rs789248	3	128580574	C	T	0.351889	-0.0035731	0.00837314	0.669573	0.463889	0.0650058	9.60E-13	-0.0077025	0.0180821	0.6701269	0.3985726	15	0.93167988
ENSG00000231305	3	RP11-723O4.2	128580156	rs2933343	3	128658492	A	G	0.188867	-0.0119092	0.0104693	0.255313	0.678547	0.0944492	6.76E-13	-0.017551	0.0156212	0.2612088	0.06784312	20	0.77529567
ENSG00000177646	3	ACAD9	128598439	rs62265307	3	128662441	T	C	0.0178926	0.00919199	0.0203637	0.651708	2.15548	0.219031	7.50E-23	0.00426447	0.00945734	0.6520495	0.9797015	13	0.92725626
ENSG00000270773	3	RP13-685P2.7	129064254	rs9814650	3	129084464	A	G	0.0695825	0.0103033	0.0148734	0.488476	1.32668	0.162914	3.84E-16	0.00776623	0.0112515	0.490043	0.7403285	8	0.87932853
ENSG00000251474	3	RPL32P3	129101765	rs60960425	3	129112454	G	A	0.172962	0.0184002	0.0148736	0.216049	0.576971	0.0600795	7.73E-22	0.031891	0.0259918	0.2198353	0.5161712	20	0.75497764
ENSG00000163913	3	IFT122	129158968	rs4429625	3	129139320	G	A	0.161034	0.0180009	0.0153793	0.241813	-0.560574	0.0806864	3.72E-12	-0.0321116	0.0278215	0.248419	0.3855455	11	0.77298486
ENSG00000228252	3	COL6A4P2	129931666	rs59803194	3	129845429	A	G	0.454274	-0.0105424	0.0081021	0.193192	-1.14138	0.0936675	3.72E-34	0.00923654	0.00713887	0.1957214	0.2171318	20	0.73303545
ENSG00000246082	3	NUDT16P	131080742	rs1427839	3	131082775	G	C	0.0208748	-0.0363735	0.0317815	0.252422	1.78896	0.242018	1.45E-13	-0.0203322	0.017977	0.2580508	0.7959564	4	0.77529567
ENSG00000113971	3	NPHP3	132276986	rs12631786	3	132438719	C	T	0.21173	-0.0019615	0.00997313	0.844076	-0.695641	0.0624935	8.82E-29	0.00281974	0.0143388	0.8441008	0.9664827	9	0.97412703
ENSG00000260633	3	RP11-375I20.6	134066130	rs3732852	3	134076154	T	G	0.60835	-0.0055943	0.00828211	0.499375	-1.08953	0.0893522	3.36E-34	0.00513464	0.0076132	0.5000324	0.6272803	14	0.88088085
ENSG00000129055	3	ANAPC13	134196548	rs6765505	3	134208132	G	A	0.689861	5.95E-05	0.00901928	0.994737	0.370367	0.0416926	6.49E-19	0.00016065	0.0243523	0.9947366	0.602314	18	0.99876374
ENSG00000174611	3	KY	134321980	rs7611611	3	134307877	G	A	0.688867	-4.01E-05	0.00901452	0.996453	-0.46363	0.0755144	8.27E-10	8.64E-05	0.0194434	0.9964528	0.5250448	8	0.99876374
ENSG00000273486	3	RP11-731C17.2	136556180	rs1400261	3	136537977	G	A	0.65507	-0.0008165	0.00867697	0.925033	0.540691	0.0635663	1.80E-17	-0.0015101	0.0160489	0.9250373	0.1773426	20	0.98393256
ENSG00000239213	3	RP11-85F14.5	136560568	rs835648	3	136671504	T	A	0.668986	0.00204667	0.00880249	0.816142	0.37393	0.0642398	5.85E-09	0.0054734	0.0235592	0.8162855	0.1412465	6	0.96881317
ENSG00000158220	3	ESYT3	138153428	rs11923795	3	138157182	G	A	0.218688	0.0114611	0.0117094	0.327681	-0.778397	0.0757415	8.94E-25	-0.014724	0.015111	0.3298652	0.2383896	20	0.82473356
ENSG00000272656	3	RP11-219D15.3	139067866	rs79654016	3	139093486	A	G	0.0795229	-0.0051684	0.0125585	0.680675	0.690527	0.121395	1.28E-08	-0.0074847	0.0182344	0.6814607	0.5476599	8	0.93468019
ENSG00000163864	3	NMNAT3	139279022	rs4549242	3	139396734	C	T	0.572565	-0.0084776	0.00833254	0.308958	0.427247	0.0733167	5.63E-09	-0.0198424	0.0197979	0.3162231	0.7080006	6	0.81604677
ENSG00000188313	3	PLSCR1	146232967	rs2609858	3	146262021	A	G	0.17992	-0.005943	0.0101994	0.560111	-0.426821	0.0681724	3.83E-10	0.0139238	0.0239995	0.5617985	0.3810821	3	0.89657901
ENSG00000241131	3	RP11-639B1.1	147795946	rs9866480	3	147853359	C	G	0.366799	-0.0120532	0.00824378	0.143715	0.61877	0.0834146	1.19E-13	-0.0194793	0.0135792	0.1514303	0.06129623	10	0.69162558
ENSG00000071794	3	HLTF	148747914	rs7621515	3	148723252	T	A	0.745527	-0.0041899	0.00877663	0.633085	0.302432	0.0534682	1.55E-08	-0.0138539	0.0291234	0.6342895	0.5646026	4	0.92237337
ENSG00000114744	3	COMMD2	149456257	rs9843784	3	149468530	G	T	0.408549	0.0178766	0.00830265	0.0313098	0.332166	0.0425742	6.09E-15	0.0538183	0.0259298	0.037937	0.07515764	19	0.50417602
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	0.940088	0.069393	8.22E-42	-0.0143327	0.0117435	0.2222819	0.6811258	20	0.75497764
ENSG00000174953	3	DHX36	153990335	rs355774	3	154036196	G	A	0.865805	0.01353	0.0105408	0.199287	-0.345477	0.0519138	2.84E-11	-0.0391632	0.0310732	0.2075419	0.4496119	12	0.74344992
ENSG00000169282	3	KCNAB1	155755490	rs7625266	3	156194770	G	A	0.493042	-0.0113631	0.00808486	0.159881	-0.422134	0.0668364	2.69E-10	0.0269182	0.0196208	0.170088	0.2229307	8	0.70660647
ENSG00000197980	3	LEKR1	156543270	rs344072	3	156546675	G	T	0.757455	0.00985039	0.00881142	0.263605	0.601018	0.0929807	1.02E-10	0.0163895	0.0148785	0.2706535	0.7140653	6	0.78416677
ENSG00000244515	3	KRT18P34	156880452	rs6809307	3	156862041	T	C	0.261431	-0.017391	0.0105542	0.0993985	-0.614563	0.0828579	1.20E-13	0.0282982	0.0175922	0.107712	0.0478076	11	0.64532716
ENSG00000197415	3	VEPH1	156977531	rs11923106	3	157178395	G	C	0.571571	0.00113234	0.00822491	0.8905	0.493777	0.078151	2.65E-10	0.00229322	0.0166611	0.8905255	0.1126663	4	0.97924277
ENSG00000163661	3	PTX3	157154578	rs1456093	3	157216553	G	T	0.571571	0.00138209	0.00823092	0.866651	0.511682	0.0843313	1.30E-09	0.00270107	0.0160922	0.8667012	0.1403943	7	0.9761713
ENSG00000168827	3	GFM1	158362067	rs6763412	3	158421809	G	T	0.384692	0.0140794	0.0087421	0.107283	-0.51601	0.0484488	1.73E-26	-0.0272851	0.0171343	0.1112892	0.1786559	20	0.65245085
ENSG00000079257	3	LXN	158363611	rs6763018	3	158372930	G	A	0.385686	0.0143229	0.00873935	0.101235	0.548378	0.0747104	2.14E-13	0.0261187	0.0163292	0.1097071	0.2512291	18	0.64968164
ENSG00000118849	3	RARRES1	158414681	rs6441224	3	158450417	C	T	0.56163	0.00675712	0.00805755	0.40169	0.867098	0.097793	7.54E-19	0.0077928	0.00933402	0.4037845	0.1679744	12	0.84510157
ENSG00000240207	3	RP11-379F4.4	158450052	rs61794821	3	158460936	G	A	0.220676	0.0197886	0.0103114	0.0549731	0.907712	0.0878269	4.88E-25	0.0218005	0.0115539	0.05918095	0.09129824	20	0.55118985
ENSG00000271778	3	RP11-379F4.8	158500336	rs6441225	3	158470321	G	A	0.360835	0.00312117	0.00820458	0.703636	0.432913	0.0597544	4.33E-13	0.00720969	0.0189781	0.7040236	0.03893967	20	0.941916
ENSG00000272247	3	RP11-379F4.9	158519046	rs2713736	3	158520483	G	A	0.72167	-0.0203174	0.00842235	0.0158515	-0.798827	0.113126	1.65E-12	0.025434	0.0111417	0.02244289	0.2584306	7	0.416062
ENSG00000163590	3	PPM1L	160473390	rs1378657	3	160526759	A	G	0.33499	-0.010064	0.00885793	0.255893	-0.384394	0.0567606	1.27E-11	0.0261815	0.0233659	0.2625017	0.2931163	20	0.77670178
ENSG00000240567	3	RP11-3P17.4	161144215	rs1471440	3	161041115	G	A	0.152087	-0.0038379	0.0131204	0.769896	-0.727977	0.129169	1.74E-08	0.00527198	0.0180474	0.7701955	0.168076	5	0.95928628
ENSG00000163536	3	SERPINI1	167453031	rs7648843	3	167463818	C	T	0.457256	-0.0141078	0.0080616	0.080118	0.40859	0.0643464	2.16E-10	-0.034528	0.0204659	0.0915838	0.6170433	11	0.61526297
ENSG00000239219	3	RP11-379K17.4	169657141	rs9836316	3	169684433	A	G	0.146123	-0.0031074	0.00984406	0.752258	1.09456	0.0997736	5.30E-28	-0.002839	0.00899735	0.7523579	0.8436326	20	0.95502521
ENSG00000144959	3	NCEH1	172348039	rs4894431	3	172426333	G	A	0.766402	-0.0049092	0.0101227	0.627698	0.363179	0.0572551	2.25E-10	-0.0135172	0.0279538	0.6287008	0.8967381	11	0.91925859
ENSG00000171109	3	MFN1	179065480	rs2111534	3	179090772	A	G	0.456262	-0.0026101	0.00803704	0.74536	0.537677	0.0554647	3.20E-22	-0.0048545	0.0149561	0.7454976	0.00012572	17	0.95207829
ENSG00000241231	3	RP11-275H4.1	181138846	rs1479163	3	181177919	C	T	0.687873	0.0256787	0.00868281	0.00310227	0.789619	0.0936149	3.32E-17	0.0325204	0.0116525	0.00525712	0.2643341	16	0.27554195
ENSG00000058063	3	ATP11B	182511288	rs680128	3	182559414	A	T	0.670974	0.0102539	0.00850657	0.228043	0.205499	0.0365307	1.85E-08	0.0498976	0.0423344	0.2385362	0.8416284	6	0.76290599
ENSG00000240024	3	LINC00888	183165396	rs2136234	3	183162957	G	A	0.263419	0.00678824	0.00920408	0.460803	-0.485543	0.0674608	6.14E-13	-0.0139807	0.0190555	0.4631418	0.6678116	18	0.87178458
ENSG00000233885	3	YEATS2-AS1	183524245	rs2255019	3	183534913	G	A	0.470179	0.00402835	0.0084074	0.631837	0.718283	0.0607149	2.72E-32	0.0056083	0.0117145	0.6321159	0.7238055	20	0.92152649
ENSG00000180834	3	MAP6D1	183533664	rs263005	3	183544102	C	T	0.5666	-0.0009768	0.00810476	0.904066	-0.315144	0.0384971	2.70E-16	0.00309967	0.0257204	0.904076	0.7270929	20	0.98098987
ENSG00000114770	3	ABCC5	183637722	rs3792585	3	183646222	G	A	0.479125	0.0125087	0.00813778	0.124264	0.373702	0.0533133	2.39E-12	0.0334724	0.0222936	0.1332423	0.7614186	11	0.67495201
ENSG00000145194	3	ECE2	183967438	rs4912532	3	184000619	T	G	0.529821	0.002586	0.00805744	0.74825	-0.29836	0.0473382	2.92E-10	-0.0086674	0.0270408	0.7485664	0.6314244	3	0.95356702
ENSG00000090539	3	CHRD	184097861	rs4328831	3	184177247	A	G	0.421471	0.0119844	0.00854226	0.160632	-0.389434	0.0527685	1.58E-13	-0.0307739	0.0223279	0.1681196	0.577757	13	0.7037325
ENSG00000224153	3	RP11-433C9.2	184119325	rs4328831	3	184177247	A	G	0.421471	0.0119844	0.00854226	0.160632	-0.266972	0.0486438	4.06E-08	-0.0448901	0.0330257	0.1740683	0.3561805	5	0.71004558
ENSG00000272970	3	RP11-329B9.4	184451863	rs9852059	3	184441730	C	A	0.306163	0.00317896	0.008707	0.715033	0.708834	0.109572	9.86E-11	0.00448477	0.0123031	0.7154669	0.3776116	9	0.94380637
ENSG00000273403	3	RP11-329B9.3	184459725	rs2278762	3	184455246	A	T	0.463221	-0.0052772	0.00807834	0.513594	0.636986	0.0872933	2.94E-13	-0.0082846	0.0127328	0.5152734	0.2328281	11	0.88647791
ENSG00000156931	3	VPS8	184529931	rs16859583	3	184798288	A	G	0.0437376	-0.0105539	0.0230029	0.646373	0.808828	0.128315	2.91E-10	-0.0130484	0.028515	0.6472421	0.1689753	20	0.92641321
ENSG00000187068	3	C3orf70	184795838	rs73193005	3	184874653	A	G	0.203777	0.0073565	0.00955566	0.441384	-0.55963	0.0883748	2.41E-10	-0.0131453	0.0172007	0.4447297	0.6392005	5	0.86795298
ENSG00000163918	3	RFC4	186507669	rs2293243	3	186522737	T	A	0.277336	0.00322836	0.00826641	0.696137	-0.537027	0.0638267	3.97E-17	-0.0060115	0.0154095	0.6964482	0.4953367	7	0.9388305
ENSG00000232233	3	RP11-573D15.2	186528669	rs34174285	3	186543210	C	T	0.0318091	0.0185294	0.0168907	0.272635	1.21526	0.213969	1.35E-08	0.0152473	0.0141557	0.2814311	0.6157783	3	0.79513447
ENSG00000233308	3	OSTN-AS1	190931080	rs9850668	3	190965241	A	G	0.436382	-0.0168123	0.00866595	0.0523745	-0.833287	0.0957225	3.17E-18	0.0201759	0.0106548	0.0582798	0.8458814	6	0.55118985
ENSG00000231770	3	TMEM44-AS1	194304740	rs12489829	3	194304741	G	C	0.196819	0.00195936	0.0104727	0.851589	0.861447	0.0864684	2.22E-23	0.0022745	0.0121592	0.8516142	0.6931914	10	0.9761713
ENSG00000041802	3	LSG1	194361517	rs3821403	3	194369580	A	C	0.163022	0.00854817	0.0109511	0.435053	1.31171	0.0989404	4.08E-40	0.00651681	0.00836318	0.4358461	0.4541808	16	0.86298249
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.968307	0.0954175	3.38E-24	0.00938629	0.00842605	0.2652961	0.308437	20	0.77910332
ENSG00000271662	3	RP11-141C7.3	195377017	rs13303068	3	195338127	G	A	0.470179	0.00911295	0.00810974	0.261139	0.697552	0.0875347	1.60E-15	0.0130642	0.011741	0.2658389	0.6139764	20	0.77910332
ENSG00000229178	3	AC069513.4	195382436	rs13303068	3	195338127	G	A	0.470179	0.00911295	0.00810974	0.261139	0.705823	0.0811735	3.46E-18	0.0129111	0.0115853	0.2650918	0.5991198	20	0.77910332
ENSG00000215837	3	SDHAP2	195384967	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.608928	0.0827089	1.81E-13	0.0156947	0.0134633	0.2437217	0.9284393	17	0.76828579
ENSG00000207650	3	MIR570	195426272	rs73208015	3	195646333	A	G	0.251491	0.015668	0.00924257	0.0900368	0.61971	0.103725	2.31E-09	0.0252828	0.0155031	0.1029274	0.3829831	19	0.63826532
ENSG00000176945	3	MUC20	195447753	rs61218216	3	195633177	G	C	0.251491	0.0227976	0.00908991	0.0121412	0.628403	0.102969	1.04E-09	0.0362786	0.015639	0.02035385	0.1091481	19	0.40687843
ENSG00000145113	3	MUC4	195473636	rs4927680	3	195659169	G	A	0.362823	0.00833932	0.00831144	0.31569	0.71207	0.1027	4.11E-12	0.0117114	0.0117938	0.3207047	0.7088815	17	0.81748223
ENSG00000185485	3	SDHAP1	195686619	rs1851372	3	195332514	T	C	0.692843	0.00487069	0.00877294	0.578762	0.590502	0.0860498	6.77E-12	0.00824839	0.0149053	0.5799987	0.4978535	20	0.9004891
ENSG00000231464	3	AC024937.4	195723609	rs7610260	3	195682526	T	A	0.661034	0.00538053	0.00831442	0.517546	0.832657	0.111298	7.36E-14	0.00646188	0.0100227	0.5191055	0.915888	20	0.88693216
ENSG00000230732	3	AC127904.2	196639821	rs9861759	3	196635675	C	G	0.709742	0.00961992	0.00930209	0.301058	0.597524	0.0912304	5.77E-11	0.0160996	0.0157606	0.3070119	0.38626	8	0.80828931
ENSG00000119227	3	PIGZ	196673214	rs11922888	3	196675994	G	C	0.298211	-0.0098555	0.00953146	0.30114	0.672627	0.0608789	2.23E-28	-0.0146522	0.0142324	0.3032475	0.5488727	8	0.80750206
ENSG00000075711	3	DLG1	196769431	rs62281742	3	196816509	C	T	0.177932	0.0270761	0.0119978	0.0240237	-0.495318	0.0676029	2.36E-13	-0.0546641	0.0253454	0.03102388	0.4604046	6	0.47438754
ENSG00000214135	3	AC024560.3	197305084	rs61627059	3	197324987	A	C	0.084493	0.0103753	0.017606	0.555655	0.359894	0.0572959	3.36E-10	0.0288288	0.0491348	0.5573862	0.4430621	13	0.89575241
ENSG00000213519	3	AC132008.1	197307215	rs73891642	3	197346558	C	A	0.0785288	0.0217604	0.0203539	0.285024	-0.964845	0.137205	2.03E-12	-0.0225533	0.0213379	0.2905312	0.1778272	20	0.80120919
ENSG00000249626	3	RP11-496H1.1	197361186	rs200532897	3	197375970	T	C	0.251491	0.0104368	0.0099996	0.296616	-0.751788	0.0851407	1.05E-18	-0.0138826	0.0133937	0.2999662	0.6801946	8	0.80667732
ENSG00000114473	3	IQCG	197615946	rs149967001	3	197635749	G	C	0.173956	-0.0130827	0.0097266	0.178612	0.601283	0.0971001	5.93E-10	-0.021758	0.0165536	0.1887135	0.7735187	20	0.72689546
ENSG00000250312	4	ZNF718	124386	rs7660115	4	127978	T	C	0.547714	0.00983341	0.00811794	0.225773	-0.830576	0.065243	4.00E-37	-0.0118393	0.00981801	0.2278669	0.6346947	20	0.75779347
ENSG00000250892	4	RP11-1365D11.1	195198	rs28637238	4	157597	C	G	0.544732	0.00963875	0.00812586	0.235551	-0.809036	0.0788577	1.07E-24	-0.0119139	0.0101108	0.2386641	0.4491683	16	0.76290599
ENSG00000242686	4	RP11-1191J2.2	646639	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	-0.953361	0.10961	3.39E-18	0.00841866	0.0115642	0.4666189	0.2563734	20	0.87315263
ENSG00000215375	4	MYL5	667369	rs140698490	4	540052	C	G	0.0159046	-0.0228593	0.0340109	0.501509	1.58094	0.266867	3.14E-09	-0.0144593	0.0216511	0.5042406	0.1469774	3	0.88300558
ENSG00000169026	4	MFSD7	675618	rs116368462	4	683017	A	G	0.137177	-0.0004316	0.0120191	0.971354	0.592573	0.0973051	1.13E-09	-0.0007284	0.0202833	0.9713543	0.7674401	13	0.99049771
ENSG00000185619	4	PCGF3	699537	rs34434107	4	727153	T	C	0.301193	0.0135918	0.00873479	0.119695	-0.618004	0.0751028	1.89E-16	-0.0219931	0.0143844	0.1262751	0.4020434	6	0.66875442
ENSG00000249592	4	RP11-440L14.1	756175	rs11248040	4	770508	T	C	0.314115	0.0138633	0.0099755	0.16461	-0.300249	0.0438132	7.24E-12	-0.0461727	0.0339004	0.1731946	0.1260957	8	0.71004558
ENSG00000127419	4	TMEM175	926175	rs4690203	4	881228	T	C	0.164016	0.0292358	0.014302	0.0409364	-0.419458	0.0652795	1.31E-10	-0.069699	0.0357802	0.05141783	0.4710948	6	0.54028274
ENSG00000145217	4	SLC26A1	972861	rs11936407	4	987276	C	T	0.638171	0.00631186	0.00902571	0.484352	-0.678327	0.073116	1.74E-20	-0.009305	0.0133436	0.485589	0.6991792	20	0.87851987
ENSG00000178222	4	RNF212	1050038	rs10017931	4	1060747	A	G	0.756461	-0.0030832	0.00992525	0.756075	-0.703384	0.111122	2.45E-10	0.00438335	0.0141277	0.7563582	0.3959157	15	0.95502521
ENSG00000159674	4	SPON2	1160720	rs11734374	4	1136773	G	A	0.131213	0.00436821	0.0127266	0.731422	0.504064	0.0870955	7.14E-09	0.00866598	0.0252923	0.7318749	0.5880952	3	0.94811051
ENSG00000273179	4	RP11-20I20.4	1161566	rs11734374	4	1136773	G	A	0.131213	0.00436821	0.0127266	0.731422	0.558469	0.0878193	2.03E-10	0.00782176	0.0228215	0.7317972	0.1530734	7	0.94811051
ENSG00000196810	4	CTBP1-AS2	1243088	rs2878539	4	1243877	T	C	0.406561	-0.0070007	0.00809025	0.386861	0.674884	0.0656045	8.05E-25	-0.0103732	0.01203	0.388534	0.3085305	20	0.84300565
ENSG00000090316	4	MAEA	1283639	rs13149952	4	1308437	G	C	0.441352	-0.0085197	0.00805564	0.290233	0.421172	0.0556801	3.90E-14	-0.0202286	0.0193128	0.294905	0.9193482	20	0.8051437
ENSG00000163945	4	UVSSA	1341054	rs3796618	4	1349602	A	T	0.512922	-0.0046973	0.00815186	0.564466	-0.470186	0.0667307	1.84E-12	0.00999024	0.0173954	0.5657625	0.2084144	20	0.89657901
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.99276	0.22047	1.59E-19	-0.0086133	0.0121973	0.4800826	0.5872863	20	0.87699866
ENSG00000168936	4	TMEM129	1717679	rs1794002	4	1727603	G	A	0.441352	0.00219847	0.00842592	0.794156	-0.248194	0.0401476	6.33E-10	-0.0088579	0.0339792	0.7943351	0.9186076	4	0.96375538
ENSG00000013810	4	TACC3	1723227	rs13142863	4	1755549	G	T	0.780318	-0.0015134	0.00981771	0.877489	-0.576312	0.0837678	5.99E-12	0.00262606	0.0170397	0.8775196	0.993567	13	0.97689669
ENSG00000125388	4	GRK4	2965335	rs2051557	4	2990291	C	A	0.37674	0.0059433	0.00814135	0.465381	-0.728635	0.0648213	2.57E-29	-0.0081568	0.011197	0.4663202	0.2573855	20	0.87299232
ENSG00000188981	4	MSANTD1	3246096	rs3095074	4	3261152	A	G	0.387674	-2.96E-06	0.00808848	0.999708	-0.418472	0.0657578	1.97E-10	7.07E-06	0.0193286	0.999708	0.5067221	20	0.999953
ENSG00000159788	4	RGS12	3294755	rs3129314	4	3293039	T	G	0.542744	0.00400672	0.00811661	0.621557	-0.493776	0.0773071	1.69E-10	-0.0081145	0.0164869	0.6225944	0.9219423	11	0.91852725
ENSG00000109758	4	HGFAC	3443614	rs1054661	4	3495941	C	T	0.358847	0.00994438	0.00806297	0.217449	-0.4321	0.0763726	1.53E-08	-0.0230141	0.0190982	0.2281877	0.9875065	3	0.75779347
ENSG00000175920	4	DOK7	3465033	rs4690103	4	3473650	A	G	0.252485	0.0159048	0.00839397	0.0581206	-0.798019	0.0938622	1.86E-17	-0.0199304	0.0107766	0.06439764	0.04074796	20	0.56029797
ENSG00000163956	4	LRPAP1	3508103	rs11733064	4	3495283	G	C	0.346918	0.00108613	0.00907141	0.904697	0.619206	0.0704817	1.56E-18	0.00175407	0.0146514	0.904705	0.3183696	20	0.98098987
ENSG00000250986	4	AC141928.1	3760475	rs6839755	4	3642039	A	G	0.497018	0.00787547	0.00809944	0.330878	0.563357	0.0984122	1.04E-08	0.0139795	0.014583	0.3377518	0.9999691	6	0.82540122
ENSG00000184160	4	ADRA2C	3768075	rs7663949	4	3721712	T	G	0.447316	0.0115904	0.00811554	0.153241	-0.494364	0.0863748	1.04E-08	-0.0234451	0.0169195	0.165843	0.6872697	6	0.70208171
ENSG00000251669	4	FAM86EP	3943487	rs4246695	4	3979038	T	C	0.402584	0.00328233	0.00852152	0.700103	0.47385	0.0751509	2.88E-10	0.00692694	0.0180171	0.7006341	0.959967	20	0.94116663
ENSG00000109501	4	WFS1	6271576	rs4280818	4	6273802	G	T	0.610338	0.00506942	0.00814449	0.533656	0.996264	0.0757944	1.84E-39	0.00508843	0.00818419	0.5341136	0.8112626	20	0.88710629
ENSG00000251580	4	RP11-539L10.3	6672452	rs36102500	4	6669749	A	G	0.156064	-0.0041823	0.0113517	0.712558	-0.809621	0.116567	3.77E-12	0.00516569	0.0140407	0.712942	0.6661028	13	0.94276983
ENSG00000109519	4	GRPEL1	7060633	rs4256224	4	7074583	C	T	0.763419	0.00100846	0.0098256	0.918252	-0.553628	0.0785051	1.76E-12	-0.0018216	0.0177495	0.9182605	0.05555157	18	0.98098987
ENSG00000196526	4	AFAP1	7760441	rs17770213	4	7896866	C	T	0.441352	0.00342904	0.00817826	0.675007	0.666821	0.0724042	3.27E-20	0.00514237	0.0122773	0.6753233	0.9936419	20	0.93468019
ENSG00000087008	4	ACOX3	8368009	rs7809	4	8368433	A	G	0.272366	-0.0060272	0.00939204	0.521045	-0.648202	0.0989173	5.64E-11	0.00929835	0.0145587	0.5230307	0.5566723	3	0.88693216
ENSG00000155275	4	TRMT44	8437867	rs2631756	4	8493549	G	A	0.67495	-0.0045959	0.00823471	0.576768	-0.39635	0.0503357	3.43E-15	0.0115955	0.0208285	0.5777228	0.1208596	20	0.9004891
ENSG00000205959	4	RP11-689P11.2	8483997	rs2631756	4	8493549	G	A	0.67495	-0.0045959	0.00823471	0.576768	-0.543164	0.0629163	5.97E-18	0.00846131	0.0151923	0.5775629	0.07461146	20	0.9004891
ENSG00000249767	4	ENPP7P10	9080749	rs145203177	4	9097827	T	A	0.267396	0.00206861	0.00925716	0.823178	-0.739011	0.10893	1.17E-11	-0.0027992	0.0125332	0.8232713	0.3872444	19	0.96980295
ENSG00000261490	4	RP11-448G15.3	10069713	rs3796818	4	10097976	T	C	0.23161	0.00208648	0.0100447	0.835448	0.519989	0.0890773	5.30E-09	0.00401255	0.0193294	0.8355506	0.6185835	20	0.97330482
ENSG00000109684	4	CLNK	10488019	rs16872478	4	10713051	G	A	0.27336	-0.0051448	0.00904557	0.56952	0.741695	0.113449	6.25E-11	-0.0069365	0.0122419	0.5709731	0.8821391	8	0.89959545
ENSG00000273133	4	RP11-799M12.2	15565321	rs13127507	4	15662568	A	C	0.157058	0.00321793	0.0111587	0.773056	0.816997	0.111149	1.97E-13	0.00393873	0.0136687	0.7732266	0.7563097	11	0.96078915
ENSG00000237765	4	FAM200B	15683285	rs13150957	4	15683318	T	C	0.252485	-0.0089258	0.0100032	0.372238	-0.441846	0.0521206	2.30E-17	0.0202011	0.0227646	0.3748687	0.3629444	20	0.83735401
ENSG00000249506	4	ZEB2P1	16362309	rs28827015	4	16404710	G	A	0.28827	-0.0077652	0.0089134	0.383657	0.927995	0.115317	8.46E-16	-0.0083677	0.00966113	0.386425	0.6431003	9	0.84197743
ENSG00000118579	4	MED28	17616254	rs4698631	4	17614817	G	A	0.647117	-0.0114368	0.00873618	0.190492	0.225926	0.0308163	2.28E-13	-0.0506219	0.03928	0.1974866	0.3767302	15	0.73350751
ENSG00000163138	4	PACRGL	20697905	rs11726872	4	20749361	C	G	0.082505	-0.0022463	0.0147716	0.879132	-0.749284	0.12975	7.70E-09	0.00299796	0.0197211	0.8791731	0.5973761	14	0.97689669
ENSG00000038210	4	PI4K2B	25162263	rs28612433	4	25264373	C	T	0.593439	0.00283342	0.00892401	0.75086	-0.584779	0.0798937	2.49E-13	-0.0048453	0.0152748	0.7510866	0.5550665	20	0.95502521
ENSG00000053900	4	ANAPC4	25378835	rs315682	4	25377192	T	C	0.872763	0.028632	0.013129	0.0291971	-0.583767	0.0782152	8.42E-14	-0.049047	0.0234306	0.03632318	0.1431147	20	0.50417602
ENSG00000091490	4	SEL1L3	25749055	rs6842854	4	25782591	C	G	0.333002	0.00959475	0.00883861	0.277678	0.27957	0.0427124	5.93E-11	0.0343197	0.0320469	0.2842048	0.1161393	5	0.79513447
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.611294	0.0933684	5.87E-11	0.00368042	0.0133884	0.7833964	0.1495101	10	0.96349293
ENSG00000154274	4	C4orf19	37455563	rs1479766	4	37478442	A	G	0.558648	0.00729956	0.00811596	0.368435	0.771668	0.0934187	1.45E-16	0.00945946	0.0105796	0.3712558	0.5077812	4	0.83639707
ENSG00000231160	4	RP11-617D20.1	38614322	rs2126526	4	38618689	G	A	0.562624	-0.0111133	0.00836918	0.184218	-0.526339	0.0738278	1.01E-12	0.0211143	0.0161742	0.1917454	0.316344	15	0.72914054
ENSG00000249685	4	RP11-360F5.3	39135533	rs6812316	4	39108237	T	C	0.547714	0.00583518	0.00812558	0.47268	0.764068	0.10424	2.30E-13	0.00763699	0.0106855	0.4747927	0.2432524	10	0.87619336
ENSG00000134962	4	KLB	39408473	rs17510142	4	39455742	A	G	0.202783	-0.0076235	0.00969772	0.431802	-0.976652	0.120308	4.74E-16	0.00780574	0.009976	0.4339493	0.4424479	16	0.86298249
ENSG00000163682	4	RPL9	39455744	rs2125313	4	39458051	G	A	0.67992	0.000294	0.00844844	0.97224	-0.667429	0.0505269	7.75E-40	-0.0004405	0.0126582	0.9722398	0.5017729	20	0.99110415
ENSG00000224097	4	RP11-472B18.1	39481875	rs1048140	4	39478832	A	G	0.406561	0.0059778	0.00875583	0.494782	-0.497059	0.0834439	2.57E-09	-0.0120263	0.0177306	0.497593	0.7180834	8	0.88088085
ENSG00000260296	4	RP11-395I6.3	40168295	rs1704156	4	40057699	T	C	0.206759	-0.0015271	0.00982911	0.876536	0.339833	0.0521959	7.48E-11	-0.0044936	0.0289316	0.8765708	0.1728876	4	0.97689669
ENSG00000163697	4	APBB2	40812044	rs17528008	4	41220288	A	G	0.303181	0.0134058	0.00834687	0.108254	0.600976	0.06365	3.66E-21	0.0223067	0.0140884	0.1133432	0.07160637	10	0.65668723
ENSG00000014824	4	SLC30A9	41992489	rs16853872	4	41992752	C	G	0.0367793	0.0444007	0.025026	0.0760326	-0.431369	0.0727686	3.07E-09	-0.10293	0.0605579	0.08918917	0.8100518	3	0.60840161
ENSG00000177752	4	YIPF7	44624086	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	0.705937	0.112635	3.67E-10	-0.028797	0.0156582	0.0659	0.2869676	8	0.56065982
ENSG00000151806	4	GUF1	44680444	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	-0.613722	0.0765665	1.10E-15	0.033124	0.017707	0.06139119	0.6083197	12	0.55267744
ENSG00000163281	4	GNPDA2	44684217	rs16857402	4	44706453	C	T	0.244533	-0.0203289	0.0105671	0.0543814	0.359246	0.0518047	4.07E-12	-0.0565877	0.0305256	0.06377072	0.6993654	6	0.56029797

ENSG00000259959	4	RP11-121C2.2	47842139	rs7671780	4	47729364	C	T	0.874751	0.00653333	0.0159594	0.682266	-0.494558	0.0904687	4.59E-08	-0.0132104	0.0323604	0.6831057	0.04494908	9	0.93468019
ENSG00000170448	4	NFXL1	47849257	rs6826122	4	47916346	G	C	0.977137	-0.0956639	0.0387364	0.013526	-1.56652	0.143677	1.11E-27	0.0610678	0.0253541	0.01601391	0.5603139	11	0.38004666
ENSG00000198515	4	CNGA1	47937994	rs321631	4	48018229	G	A	0.373757	0.00553458	0.00906253	0.541392	0.544419	0.0976585	2.48E-08	0.010166	0.0167458	0.543799	0.5940651	5	0.89032693
ENSG00000163069	4	SGCB	52886872	rs7665231	4	52753118	A	G	0.250497	0.00273615	0.00887908	0.757963	0.27244	0.0453597	1.90E-09	0.0100431	0.0326338	0.7582709	0.1279768	9	0.95582718
ENSG00000109189	4	USP46	53457138	rs6554462	4	53220371	T	G	0.550696	-0.0015589	0.00810252	0.847434	0.193851	0.0325034	2.46E-09	-0.0080416	0.0418194	0.8475125	0.6628179	5	0.9761713
ENSG00000229585	4	RPL21P44	54852754	rs35185347	4	54898083	G	A	0.371769	0.00065282	0.00875163	0.940538	-0.629039	0.111	1.45E-08	-0.0010378	0.0139139	0.9405429	0.443466	7	0.9880402
ENSG00000128039	4	SRD5A3	56212276	rs36110240	4	56217015	T	C	0.152087	0.00688796	0.0114885	0.548805	0.496132	0.0784657	2.57E-10	0.0138833	0.02326	0.5505907	0.2367635	11	0.89521833
ENSG00000109265	4	KIAA1211	57036361	rs6819574	4	56912111	C	T	0.293241	0.0003723	0.00914218	0.967516	-0.323706	0.050796	1.86E-10	-0.0011501	0.0282428	0.9675168	0.8993205	7	0.99005812
ENSG00000157426	4	AASDH	57204456	rs6811616	4	57194712	C	A	0.415507	0.00585403	0.0082101	0.475828	-0.356067	0.0641663	2.87E-08	-0.0164408	0.0232473	0.4794338	0.3674596	3	0.87699866
ENSG00000269949	4	RP11-738E22.3	57827093	rs13123018	4	57808973	A	G	0.351889	-0.0071701	0.00887554	0.419177	-0.620798	0.0995087	4.41E-10	0.0115498	0.0144164	0.4230382	0.00757243	20	0.8584192
ENSG00000145242	4	EPHA5	66185281	rs13120492	4	66485604	T	C	0.319085	-0.0036443	0.00818873	0.656292	-0.42122	0.0728571	7.41E-09	0.0086518	0.019498	0.65724	0.0683601	5	0.92834527
ENSG00000033178	4	UBA6	68478370	rs17636089	4	68614223	A	C	0.27833	0.0106613	0.00927534	0.250381	-0.319944	0.046773	7.90E-12	-0.0333224	0.029397	0.2569908	0.6024764	13	0.77529567
ENSG00000109163	4	GNRHR	68605046	rs3796715	4	68493076	T	C	0.16501	-0.0027486	0.0118879	0.817154	0.748499	0.125941	2.79E-09	-0.0036721	0.0158943	0.8172888	0.7373707	6	0.96881317
ENSG00000272626	4	RP11-468N14.13	69766726	rs11724856	4	69752468	T	C	0.263419	0.00527085	0.00858217	0.539107	0.844432	0.118367	9.75E-13	0.00624189	0.0102008	0.5406042	0.5478542	6	0.8893601
ENSG00000174792	4	C4orf26	76481258	rs62318659	4	76484536	A	G	0.237575	0.00082156	0.00930011	0.929607	-0.650961	0.11278	7.83E-09	-0.0012621	0.0142884	0.9296157	0.7643122	4	0.98455434
ENSG00000156194	4	PPEF2	76781020	rs72864159	4	76838221	C	T	0.0646123	0.0222763	0.0163862	0.174002	0.778653	0.116639	2.46E-11	0.0286088	0.0214762	0.1828226	0.3186307	5	0.72039136
ENSG00000138744	4	NAAA	76831809	rs6826085	4	76870229	T	C	0.422465	-0.0093367	0.00811114	0.249695	0.693687	0.0830458	6.65E-17	-0.0134595	0.0118033	0.2541553	0.9001662	6	0.77529567
ENSG00000156219	4	ART3	76932337	rs7693693	4	76997261	T	C	0.0954274	0.0373733	0.0184638	0.0429556	-1.07695	0.122348	1.34E-18	-0.0347029	0.017592	0.04853492	0.089498	9	0.53502872
ENSG00000189157	4	FAM47E	77135193	rs4859654	4	77191596	G	A	0.406561	-0.0021476	0.00812249	0.791473	-0.622513	0.0659732	3.88E-21	0.00344986	0.013053	0.7915522	0.613734	20	0.96375538
ENSG00000118804	4	FAM47E-STBD1	77172886	rs3817118	4	77199211	C	A	0.0765408	0.0115962	0.0122323	0.343128	-0.653868	0.113972	9.63E-09	-0.0177348	0.0189613	0.3496259	0.4152961	8	0.83203655
ENSG00000138771	4	SHROOM3	77356253	rs6819112	4	77567498	G	A	0.595427	0.0122762	0.00846878	0.147173	0.653211	0.0634078	6.92E-25	0.0187936	0.0130926	0.1511612	0.3615948	20	0.69162558
ENSG00000138758	4	11-Sep	77870856	rs734655	4	77906139	T	C	0.10338	0.0288988	0.0127803	0.0237465	-0.724442	0.106073	8.51E-12	-0.0398911	0.0185834	0.03182475	0.2546582	7	0.48117345
ENSG00000138764	4	CCNG2	78078304	rs10026646	4	78089514	T	C	0.417495	-0.0002585	0.00834701	0.975292	0.406111	0.0568445	9.05E-13	-0.0006366	0.0205537	0.9752926	0.3052044	13	0.99269132
ENSG00000138767	4	CNOT6L	78634541	rs6829203	4	78739891	T	C	0.870775	-0.0129272	0.0109246	0.236686	0.566869	0.0650078	2.78E-18	-0.0228046	0.0194485	0.2409706	0.4923744	20	0.76586993
ENSG00000138772	4	ANXA3	79472673	rs867677	4	79513607	C	A	0.71173	-0.005055	0.00853255	0.553557	-0.353584	0.062419	1.47E-08	0.0142965	0.0242632	0.5557098	0.07005241	8	0.89575241
ENSG00000138670	4	RASGEF1B	82347547	rs1391261	4	82766129	T	G	0.407555	-0.011104	0.00820056	0.175718	0.710165	0.0852246	7.89E-17	-0.0156358	0.0116989	0.1813782	0.6071641	20	0.72018284
ENSG00000251022	4	THAP9-AS1	83814162	rs13111599	4	83917037	G	A	0.739563	0.0186176	0.00930736	0.0454663	0.485249	0.0484987	1.44E-23	0.0383671	0.0195601	0.04982144	0.569174	12	0.53502872
ENSG00000213608	4	SLC25A14P1	84398677	rs11099600	4	84367286	A	G	0.487078	0.00679333	0.00804573	0.39848	0.646824	0.0950797	1.02E-11	0.0105026	0.0125343	0.4020808	0.3321543	8	0.84432082
ENSG00000180769	4	WDFY3-AS2	85887538	rs6531777	4	85865095	T	C	0.350895	-0.0101645	0.00904225	0.260967	0.653459	0.0623472	1.06E-25	-0.0155549	0.0139169	0.2636944	0.1016767	20	0.77902744
ENSG00000273389	4	RP13-514E23.2	86921480	rs2575682	4	86909650	T	C	0.456262	0.00073386	0.00804318	0.927302	-0.524188	0.0921641	1.29E-08	-0.0014	0.015346	0.9273117	0.6844193	4	0.9841799
ENSG00000172493	4	AFF1	87856154	rs35245331	4	87924755	T	G	0.189861	-0.0045418	0.0113103	0.688007	-0.790647	0.106165	9.52E-14	0.00574437	0.0143259	0.6884363	0.7018282	17	0.93572536
ENSG00000170509	4	HSD17B13	88224941	rs10433879	4	88231140	C	G	0.251491	-0.0050529	0.00972387	0.603319	1.08234	0.0848698	3.00E-37	-0.0046685	0.00899157	0.6036186	0.7358848	20	0.91274326
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	0.956504	0.09482	6.27E-24	-0.0142219	0.00867305	0.1010509	0.2435973	8	0.63826532
ENSG00000177432	4	NAP1L5	89617066	rs2604209	4	89621072	G	A	0.136183	-0.013941	0.010277	0.174933	0.290167	0.0520438	2.47E-08	-0.0480447	0.0364508	0.1874794	0.9294956	6	0.72629627
ENSG00000185477	4	GPRIN3	90157537	rs4693990	4	90208148	A	G	0.649105	-0.0065653	0.00844397	0.436856	-0.37325	0.0539712	4.65E-12	0.0175896	0.0227654	0.4397321	0.5241686	7	0.86418942
ENSG00000247775	4	RP11-67M1.1	90757559	rs4293762	4	90745096	A	G	0.496024	0.00776832	0.0081294	0.339282	-0.545192	0.0905853	1.76E-09	-0.0142488	0.0150979	0.3452913	0.5582672	8	0.83006011
ENSG00000138722	4	MMRN1	90800683	rs116370523	4	90846066	A	G	0.0407555	0.00868592	0.0189722	0.647079	1.59463	0.268672	2.93E-09	0.00544698	0.0119329	0.6480538	0.9366641	9	0.92641321
ENSG00000168785	4	TSPAN5	99391518	rs2037832	4	99459528	T	C	0.71173	-0.0238804	0.00939159	0.0109984	-0.303437	0.0502361	1.54E-09	0.0786997	0.0335814	0.01910109	0.247625	12	0.40097634
ENSG00000260641	4	RP11-1299A16.3	99580055	rs28722480	4	99582072	A	G	0.265408	0.00652862	0.0102542	0.524334	0.490014	0.0754318	8.24E-11	0.0133233	0.0210266	0.5263147	0.2367998	12	0.88710629
ENSG00000151247	4	EIF4E	99792835	rs34116542	4	99879727	G	T	0.274354	0.00305875	0.00963406	0.75087	0.389657	0.0509572	2.06E-14	0.00784985	0.0247458	0.7510766	0.484716	19	0.95502521
ENSG00000197894	4	ADH5	99992132	rs3100629	4	100019811	T	C	0.724652	-0.0120609	0.00951026	0.204726	-0.54856	0.0807375	1.09E-11	0.0219865	0.0176362	0.2125193	0.4870691	14	0.746276
ENSG00000109270	4	LAMTOR3	100799493	rs11945303	4	100810611	C	T	0.256461	0.00460177	0.00932008	0.621484	-0.306776	0.0388483	2.86E-15	-0.0150004	0.0304401	0.6221641	0.5797753	20	0.91852725
ENSG00000254531	4	AP001816.1	102268937	rs2850369	4	102232985	T	C	0.289264	0.0172548	0.00833005	0.0383222	-0.409936	0.0612609	2.21E-11	-0.0420914	0.0212717	0.04784332	0.02787218	8	0.53502872
ENSG00000230069	4	LRRC37A15P	103648431	rs223492	4	103675108	C	G	0.351889	-0.005919	0.00829102	0.475289	-0.612216	0.0689109	6.44E-19	0.00966809	0.0135863	0.4767086	0.4507287	20	0.87652819
ENSG00000248971	4	KRT8P46	103649903	rs223492	4	103675108	C	G	0.351889	-0.005919	0.00829102	0.475289	-0.494596	0.0694131	1.04E-12	0.0119673	0.0168471	0.477491	0.3679322	10	0.87699866
ENSG00000145354	4	CISD2	103790135	rs223473	4	103693621	T	C	0.49006	-0.0115386	0.00809226	0.153903	-0.239038	0.037708	2.31E-10	0.048271	0.0346993	0.1641878	0.7489287	14	0.70082793
ENSG00000138777	4	PPA2	106290234	rs1994636	4	106362011	G	A	0.590457	-0.0078513	0.00806384	0.330232	0.348918	0.0494558	1.72E-12	-0.0225019	0.02333	0.3347927	0.6449029	10	0.82540122
ENSG00000234492	4	RPL34-AS1	109459346	rs11097999	4	109552881	A	G	0.310139	-0.0102084	0.00846283	0.227715	-0.752293	0.102841	2.57E-13	0.0135697	0.0114013	0.2339718	0.3979226	10	0.76051447
ENSG00000138794	4	CASP6	110609785	rs72674868	4	110655957	A	C	0.467197	-0.0043803	0.00809449	0.588405	-0.499908	0.0583664	1.08E-17	0.00876227	0.0162242	0.5891469	0.7631216	20	0.90549973
ENSG00000180245	4	RRH	110749150	rs7679048	4	110786290	T	C	0.681909	-0.0052603	0.00869978	0.545416	0.611923	0.0898036	9.49E-12	-0.0085963	0.014273	0.5469909	0.3603344	19	0.89269961
ENSG00000183423	4	LRIT3	110769358	rs6533469	4	110777387	G	A	0.645129	-0.0035647	0.00835105	0.669484	0.533812	0.0911284	4.69E-09	-0.0066778	0.0156857	0.6703054	0.1860586	11	0.93167988
ENSG00000145365	4	TIFA	113195698	rs13108156	4	113115904	T	C	0.436382	-0.0176638	0.0081981	0.0311911	0.385701	0.059272	7.65E-11	-0.0457966	0.0223899	0.040814	0.3830319	20	0.51210082
ENSG00000180801	4	ARSJ	114821440	rs112256279	4	115149983	T	C	0.0606362	-0.0104223	0.0122802	0.396046	-0.824987	0.135026	9.97E-10	0.0126333	0.0150283	0.4005518	0.471051	6	0.84423725
ENSG00000164100	4	NDST3	118954773	rs17863009	4	118709567	A	G	0.110338	0.0140899	0.0150307	0.348548	0.738976	0.128996	1.01E-08	0.0190668	0.0206104	0.3549116	0.8865327	11	0.83426107
ENSG00000164099	4	PRSS12	119201193	rs1913577	4	119297657	G	A	0.388668	0.0126154	0.00818418	0.123211	0.520352	0.0954084	4.93E-08	0.024244	0.0163443	0.1379862	0.8306271	11	0.67816642
ENSG00000260404	4	RP11-384K6.6	119512928	rs71241793	4	119565015	C	T	0.384692	0.00662648	0.00808971	0.412715	-0.435367	0.069655	4.10E-10	-0.0152204	0.0187402	0.4166885	0.04797318	17	0.85560764
ENSG00000249244	4	RP11-548H18.2	120312986	rs55825515	4	120486402	G	A	0.282306	-0.0107741	0.00934454	0.248916	0.63264	0.0943146	1.98E-11	-0.0170304	0.0149873	0.255823	0.9685788	14	0.77529567
ENSG00000245958	4	RP11-33B1.1	120375946	rs11098512	4	120314161	T	A	0.282306	-0.0136438	0.0093141	0.14296	-0.727606	0.078747	2.47E-20	0.0187516	0.0129609	0.1479571	0.5906406	10	0.68835807
ENSG00000164111	4	ANXA5	122589110	rs28651243	4	122618166	G	A	0.180915	0.020417	0.0116801	0.0804618	0.623315	0.0566991	4.11E-28	0.0327555	0.0189741	0.08428829	0.07131782	20	0.59548107
ENSG00000164112	4	TMEM155	122680088	rs73844290	4	122677963	G	A	0.084493	0.0094406	0.0143898	0.511783	1.356	0.11829	2.02E-30	0.00696209	0.0106293	0.5124741	0.8307516	8	0.88570698
ENSG00000138686	4	BBS7	122745595	rs4833236	4	122776067	G	A	0.357853	0.00911756	0.00817008	0.264434	0.231524	0.0377424	8.55E-10	0.0393806	0.0358675	0.2722269	0.4075398	4	0.78599784
ENSG00000181004	4	BBS12	123653857	rs309372	4	123682639	T	C	0.324056	-0.0029198	0.0088515	0.741501	0.441705	0.0759488	6.03E-09	-0.0066103	0.0200716	0.741902	0.7927444	11	0.95039525
ENSG00000151470	4	C4orf33	130014472	rs13136220	4	130019889	C	T	0.170974	0.00046706	0.0100474	0.962923	0.429004	0.0758655	1.56E-08	0.00108872	0.0234211	0.9629241	0.8829036	12	0.98973237
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.24642	0.116828	1.42E-26	-0.0075543	0.0114329	0.5087709	0.3508399	9	0.88300558
ENSG00000137463	4	MGARP	140187317	rs4863639	4	140165770	C	T	0.188867	-0.0051776	0.0102363	0.612992	0.679	0.0973279	3.03E-12	-0.0076253	0.0151151	0.613923	0.4091584	14	0.9147172
ENSG00000153132	4	CLGN	141309609	rs6836986	4	141352014	A	G	0.879722	-0.0076152	0.012824	0.552632	0.396639	0.0563794	1.99E-12	-0.0191993	0.0324466	0.5540392	0.1442821	20	0.89575241
ENSG00000164167	4	LSM6	147096837	rs3775498	4	147100117	G	T	0.353877	0.00387674	0.00841698	0.645095	0.435709	0.063159	5.25E-12	0.00889754	0.0193609	0.6458303	0.06148498	9	0.92641321
ENSG00000250673	4	RP11-6L6.2	147145709	rs9308199	4	147102862	T	C	0.355865	0.00201106	0.0084087	0.810978	0.779229	0.0724017	5.17E-27	0.00258083	0.0107937	0.811024	0.0318852	15	0.96881317
ENSG00000109686	4	SH3D19	152023903	rs1372977	4	152452398	A	G	0.527833	-0.000855	0.00805789	0.9155	-0.608393	0.0621396	1.23E-22	0.00140529	0.0132453	0.9155052	0.9099323	20	0.98098987
ENSG00000164142	4	FAM160A1	152330368	rs10028035	4	152347825	G	T	0.531809	-0.0017291	0.00805331	0.829992	-0.795723	0.0658914	1.41E-33	0.00217304	0.0101223	0.8300185	0.9586789	20	0.97248978
ENSG00000059691	4	PET112	152591656	rs4696110	4	152671325	A	G	0.377734	0.0044933	0.00838957	0.592249	-0.48071	0.0543109	8.67E-19	-0.0093472	0.0174844	0.5929238	0.8904175	20	0.90678602
ENSG00000251455	4	RP11-164P12.3	152595635	rs4263379	4	152399131	A	G	0.529821	-0.0010168	0.00805159	0.899506	-0.696546	0.0699521	2.34E-23	0.00145977	0.0115602	0.8995139	0.9478418	20	0.98098987
ENSG00000137462	4	TLR2	154622652	rs4696486	4	154651354	C	T	0.262425	0.0144195	0.00883527	0.102671	-0.486936	0.0840707	6.96E-09	-0.0296127	0.0188512	0.1162133	0.3613725	10	0.65779296
ENSG00000164125	4	FAM198B	159045626	rs2245735	4	159049020	G	A	0.2833	-0.0019184	0.00896008	0.830464	0.296649	0.0417816	1.25E-12	-0.0064669	0.030218	0.83054	0.7278288	7	0.97248978
ENSG00000248429	4	RP11-597D13.9	159091904	rs12648410	4	159094786	C	T	0.851889	-0.0127427	0.011068	0.249605	0.535598	0.0830003	1.10E-10	-0.0237915	0.0209911	0.2570413	0.649597	4	0.77529567
ENSG00000171503	4	ETFDH	159593277	rs11559290	4	159601676	T	C	0.863817	0.0186238	0.01518	0.219876	0.966903	0.0803956	2.57E-33	0.0192613	0.0157811	0.222264	0.03407061	15	0.75497764
ENSG00000271817	4	U3	159621843	rs55936281	4	159648596	T	C	0.249503	-0.0049429	0.00943999	0.60055	0.516695	0.0920373	1.98E-08	-0.0095663	0.0183492	0.6021251	0.1417719	3	0.91152887
ENSG00000171497	4	PPID	159630286	rs11559290	4	159601676	T	C	0.863817	0.0186238	0.01518	0.219876	0.489309	0.0747172	5.80E-11	0.0380614	0.0315631	0.2278617	0.7112907	5	0.75779347
ENSG00000145416	4	1-Mar	164445450	rs2276979	4	164415734	G	A	0.580517	-0.0079547	0.00831519	0.338747	-0.693083	0.0812138	1.41E-17	0.0114772	0.0120725	0.3417624	0.1788534	15	0.82819565
ENSG00000273449	4	RP11-218F10.3	164450923	rs958855	4	164451641	G	A	0.580517	-0.0075382	0.00830091	0.363819	-0.846659	0.074984	1.45E-29	0.00890342	0.00983597	0.3653649	0.06657495	17	0.83426107
ENSG00000250486	4	FAM218A	165878100	rs12507869	4	165895674	C	T	0.16004	0.00806089	0.0111398	0.469304	-0.666026	0.11097	1.95E-09	-0.012103	0.0168469	0.472505	0.2781565	7	0.87541091
ENSG00000251596	4	HADHAP1	166325219	rs6810964	4	166323306	G	A	0.445328	0.00374812	0.00826839	0.650327	0.377791	0.0643601	4.36E-09	0.00992115	0.0219513	0.6512968	0.1537066	20	0.92725626
ENSG00000137601	4	NEK1	170314426	rs10520157	4	170533736	T	G	0.130219	0.0131951	0.0134642	0.327079	0.387985	0.0662019	4.61E-09	0.0340093	0.0351847	0.3337477	0.7348046	9	0.82540122
ENSG00000198948	4	MFAP3L	170907748	rs2877501	4	170955277	T	G	0.32505	-0.0044705	0.00860263	0.603298	0.326571	0.054521	2.10E-09	-0.0136891	0.0264412	0.6046547	0.1839705	7	0.91287911
ENSG00000245213	4	RP11-10K16.1	174053079	rs28477433	4	174085820	C	T	0.700795	0.0114548	0.00902902	0.20456	-0.609499	0.0755618	7.25E-16	-0.0187938	0.0149959	0.2101117	0.3740675	20	0.74515605
ENSG00000109586	4	GALNT7	174089904	rs13123359	4	174095912	T	C	0.184891	0.0178964	0.010377	0.0845941	-0.312369	0.051554	1.37E-09	-0.0572925	0.0345398	0.09716878	0.4535247	10	0.63011258
ENSG00000248174	4	RP11-148L24.1	175015811	rs75632645	4	175040059	C	T	0.105368	0.017567	0.0137513	0.201435	1.42547	0.15189	6.30E-21	0.0123237	0.00973582	0.2055825	0.5590688	7	0.74155842
ENSG00000249106	4	RP11-806K15.1	176711458	rs78640136	4	176721419	G	A	0.0447316	0.0536789	0.0178709	0.0026671	-1.16649	0.148304	3.68E-15	-0.0460175	0.0163993	0.00501519	0.1070889	11	0.27554195
ENSG00000164122	4	ASB5	177134824	rs9790840	4	177164064	C	T	0.469185	0.00336564	0.0081224	0.678606	0.557941	0.091554	1.10E-09	0.00603225	0.0145914	0.6793058	0.3417414	4	0.93468019
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.681953	0.0583318	1.42E-31	-0.0074026	0.0121236	0.5414712	0.5580148	9	0.88971491
ENSG00000164306	4	PRIMPOL	185570767	rs12108497	4	185571557	T	C	0.291252	-0.0099329	0.008665	0.251659	0.544482	0.0731466	9.79E-14	-0.0182429	0.0161018	0.2572256	0.8826262	17	0.77529567
ENSG00000164323	4	KIAA1430	186080819	rs11736380	4	186101781	A	T	0.473161	-0.0042474	0.00804038	0.597316	0.292533	0.0386427	3.73E-14	-0.0145195	0.0275522	0.598206	0.5142851	20	0.90850217
ENSG00000109771	4	LRP2BP	186285032	rs112017996	4	186310213	C	T	0.100398	0.0008057	0.0163103	0.960602	-0.877454	0.128778	9.51E-12	-0.0009182	0.0185887	0.960603	0.5821479	5	0.98968811
ENSG00000109775	4	UFSP2	186320694	rs12500107	4	186350063	T	C	0.714712	-0.0187382	0.00965242	0.0522216	0.559792	0.0591332	2.89E-21	-0.0334735	0.0176017	0.05720762	0.8541618	16	0.5488752
ENSG00000168491	4	CCDC110	186366336	rs9999033	4	186391323	A	G	0.193837	-0.0010601	0.0103919	0.918745	0.828388	0.0960047	6.21E-18	-0.0012798	0.0125456	0.9187504	0.3625489	11	0.98098987
ENSG00000109794	4	FAM149A	187025573	rs4241814	4	187093018	T	G	0.599404	-0.0040934	0.0080608	0.611581	0.549424	0.0676221	4.48E-16	-0.0074504	0.0147	0.6122747	0.3992724	19	0.9147172
ENSG00000251008	4	ORAOV1P1	187092017	rs7663027	4	187112629	C	G	0.370775	0.00708736	0.00825851	0.390788	-0.592118	0.0993329	2.51E-09	-0.0119695	0.0140912	0.3956416	0.4513325	13	0.84410017
ENSG00000145476	4	CYP4V2	187112674	rs7663027	4	187112629	C	G	0.370775	0.00708736	0.00825851	0.390788	-0.767905	0.0890411	6.46E-18	-0.0092295	0.0108077	0.393121	0.4079483	15	0.84301004
ENSG00000164344	4	KLKB1	187130133	rs1055138	4	187113041	G	C	0.523857	0.00433352	0.00807335	0.591427	0.622249	0.0905063	6.19E-12	0.00696429	0.013014	0.592553	0.1411728	11	0.90678602
ENSG00000245685	4	AF146191.4	190701490	rs35406286	4	190819330	C	A	0.33002	-0.0166307	0.00871982	0.0564911	0.765289	0.0993423	1.32E-14	-0.0217313	0.0117382	0.06412139	0.3513148	20	0.56029797
ENSG00000224807	4	DUX4L9	190942562	rs4863031	4	190939082	C	G	0.595427	0.0220123	0.00830022	0.00800147	0.920795	0.0978027	4.74E-21	0.0239058	0.00936498	0.01068995	0.6765834	8	0.3476779
ENSG00000205097	4	FRG2	190945506	rs4863031	4	190939082	C	G	0.595427	0.0220123	0.00830022	0.00800147	0.762206	0.0886792	8.32E-18	0.0288797	0.0113963	0.01127276	0.6118767	4	0.35263947
ENSG00000261434	5	CTD-2083E4.7	195893	rs11743285	5	374815	T	C	0.139165	0.0102404	0.0107461	0.34062	0.841077	0.146929	1.04E-08	0.0121753	0.0129524	0.3472149	0.7043572	18	0.83151045
ENSG00000164366	5	CCDC127	196986	rs6896634	5	208887	G	A	0.149105	0.0108606	0.0103052	0.291934	0.991531	0.102617	4.35E-22	0.0109534	0.0104549	0.2947853	0.3681304	20	0.8051437
ENSG00000249915	5	PDCD6	271736	rs4957016	5	296050	A	G	0.733598	0.00581959	0.00922674	0.528217	-0.429067	0.060138	9.70E-13	-0.0135634	0.0215881	0.5298201	0.1100443	9	0.88710629
ENSG00000063438	5	AHRR	304291	rs56054432	5	193966	G	T	0.664016	0.0221617	0.00883819	0.0121591	-0.681262	0.103908	5.51E-11	-0.0325304	0.0138897	0.01917798	0.0319591	19	0.40097634
ENSG00000221990	5	C5orf55	441645	rs6868891	5	473797	C	G	0.605368	-0.0092269	0.00850404	0.277923	0.476921	0.0801692	2.70E-09	-0.0193467	0.0181253	0.2857965	0.5433217	8	0.79513447
ENSG00000180104	5	EXOC3	443273	rs957791	5	430217	T	C	0.468191	0.0210534	0.00810507	0.00938901	-0.634624	0.0718635	1.04E-18	-0.0331746	0.0133125	0.01270288	0.1513455	20	0.37299146
ENSG00000188242	5	CTD-2228K2.5	466239	rs2244240	5	476530	G	C	0.857853	0.02291	0.014523	0.114681	-0.525755	0.0896712	4.54E-09	-0.0435754	0.0286055	0.1276775	0.3273421	6	0.67079794
ENSG00000225138	5	CTD-2228K2.7	473351	rs890983	5	479473	T	C	0.491054	-0.0077061	0.00811397	0.342246	0.912763	0.0777691	8.25E-32	-0.0084426	0.00891852	0.3438213	0.2069095	20	0.83006011
ENSG00000066230	5	SLC9A3	473425	rs890983	5	479473	T	C	0.491054	-0.0077061	0.00811397	0.342246	0.463662	0.0598387	9.30E-15	-0.0166201	0.0176307	0.3458439	0.5190001	20	0.83026848
ENSG00000171368	5	TPPP	660883	rs72704799	5	551457	G	C	0.170974	0.01614	0.0122448	0.187469	0.537611	0.0862165	4.50E-10	0.0300217	0.0232796	0.197185	0.8557594	20	0.73350751
ENSG00000028310	5	BRD9	850406	rs28567708	5	890356	A	G	0.0397614	0.0338404	0.0176087	0.0546311	0.62094	0.11034	1.83E-08	0.0544987	0.0299661	0.06896109	0.6099984	10	0.56129172
ENSG00000071539	5	TRIP13	892758	rs112737497	5	850066	C	G	0.0387674	0.0330903	0.0176065	0.0601852	1.39257	0.230668	1.57E-09	0.023762	0.0132417	0.072735	0.6941796	14	0.56880371
ENSG00000153395	5	LPCAT1	1456595	rs11133778	5	1421543	G	C	0.364811	-0.013375	0.00839105	0.110945	-0.31175	0.0558451	2.37E-08	0.042903	0.0279917	0.1253487	0.9523313	3	0.66875442
ENSG00000185986	5	SDHAP3	1568637	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-0.476318	0.0821444	6.69E-09	0.00856136	0.0176259	0.6271623	0.6978165	14	0.91925859
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.07111	0.0969538	2.25E-28	0.0038072	0.00781823	0.6262837	0.7661219	20	0.91925859
ENSG00000171421	5	MRPL36	1798500	rs4975732	5	1826075	T	A	0.642147	0.0109372	0.00842497	0.19422	-0.406927	0.0565726	6.34E-13	-0.0268775	0.0210384	0.2014086	0.8309812	6	0.738258
ENSG00000250579	5	CTD-2297D10.2	5132893	rs11746694	5	5219527	T	C	0.218688	0.0118584	0.0103671	0.252685	-0.512731	0.0726681	1.72E-12	-0.0231279	0.0204833	0.2588521	0.5464396	7	0.77529567
ENSG00000145536	5	ADAMTS16	5140443	rs11746694	5	5219527	T	C	0.218688	0.0118584	0.0103671	0.252685	-0.706731	0.0981386	5.96E-13	-0.0167792	0.014853	0.258608	0.5025358	9	0.77529567
ENSG00000261037	5	CTC-471C19.1	6019142	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	0.587182	0.0858781	8.06E-12	0.00427075	0.0137268	0.7557057	0.04729406	13	0.95502521
ENSG00000250490	5	CTD-2324F15.2	6310554	rs9313147	5	6377832	G	A	0.482107	-0.0013197	0.00805854	0.869917	-0.768466	0.0793732	3.61E-22	0.0017173	0.010488	0.8699362	0.0558432	20	0.9761713
ENSG00000133398	5	MED10	6371994	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	-0.459292	0.0561625	2.89E-16	-0.00546	0.0175436	0.7556319	0.1069424	13	0.95502521
ENSG00000250056	5	LINC01018	6582249	rs75685735	5	6585376	T	C	0.0387674	-0.0102257	0.0257417	0.691189	1.05695	0.184586	1.03E-08	-0.0096747	0.0244132	0.691891	0.9802497	9	0.93793229
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-1.05558	0.0736326	1.31E-46	-0.0005585	0.00770968	0.9422528	0.4018194	20	0.98860811
ENSG00000250060	5	RP11-332J15.2	6868672	rs1074437	5	6872682	G	A	0.382704	-0.0136968	0.00884086	0.12132	-0.627242	0.0917384	8.07E-12	0.0218365	0.0144521	0.1307992	0.6120228	7	0.67376577
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.30831	0.0542452	1.32E-08	-0.0156509	0.0266252	0.5566519	0.5842165	7	0.89575241
ENSG00000250786	5	SNHG18	9546312	rs3798092	5	9541693	T	G	0.705765	0.00208868	0.0085139	0.806204	-0.493234	0.0866926	1.27E-08	-0.0042347	0.0172774	0.8063804	0.8308052	4	0.9670901
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.808802	0.103489	5.48E-15	-0.0062816	0.0106862	0.5566553	0.9771842	17	0.89575241
ENSG00000164237	5	CMBL	10275987	rs4702687	5	10297891	G	A	0.715706	-0.0019383	0.00855971	0.820855	-0.42353	0.0763292	2.88E-08	0.00457656	0.0202272	0.8210012	0.9186664	8	0.96917311
ENSG00000112977	5	DAP	10679342	rs11740244	5	10761009	G	C	0.709742	-0.009476	0.00908752	0.297066	-0.430439	0.0628112	7.24E-12	0.0220147	0.0213552	0.3025972	0.2330841	4	0.80750206
ENSG00000248150	5	RP1-167G20.1	16373470	rs17650129	5	16487330	T	G	0.270378	0.0220694	0.00964496	0.0221269	1.17952	0.107403	4.65E-28	0.0187105	0.00835262	0.02508611	0.8589429	9	0.43194487
ENSG00000249737	5	RP1-167G20.2	16428645	rs17650129	5	16487330	T	G	0.270378	0.0220694	0.00964496	0.0221269	0.720993	0.130051	2.96E-08	0.0306097	0.014472	0.03442105	0.9895245	7	0.48886921
ENSG00000154153	5	FAM134B	16473147	rs380796	5	16573583	A	T	0.471173	-0.0191602	0.00810647	0.0181001	-0.763054	0.0690676	2.24E-28	0.0251099	0.0108641	0.02081806	0.4264683	17	0.40745848
ENSG00000271892	5	CTD-2228A4.1	17107469	rs632754	5	17145142	A	G	0.34493	-0.0007489	0.00880559	0.932227	0.591992	0.0903398	5.64E-11	-0.001265	0.0148758	0.9322326	0.4291619	9	0.98546106
ENSG00000249937	5	RP11-454P21.1	17684693	rs10038239	5	17797640	C	G	0.750497	0.00100431	0.00889406	0.910095	-0.677671	0.100134	1.31E-11	-0.001482	0.0131263	0.9101071	0.9788729	16	0.98098987
ENSG00000183666	5	GUSBP1	21341942	rs191085321	5	21408413	T	C	0.0188867	-0.114481	0.0387698	0.00314862	1.68576	0.271694	5.48E-10	-0.0679106	0.02547	0.00766928	0.04592982	8	0.3240071
ENSG00000272130	5	RP11-360I2.1	21569864	rs75158803	5	21573069	G	A	0.140159	-0.0228409	0.0139964	0.102698	1.46644	0.132514	1.83E-28	-0.0155757	0.0096477	0.1064293	0.1599899	20	0.64397126
ENSG00000154162	5	CDH12	21750782	rs2968279	5	22382581	A	G	0.505964	-0.0020498	0.00808235	0.799797	0.450964	0.0692762	7.53E-11	-0.0045453	0.017936	0.7999449	0.3528886	9	0.96473637
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-0.754308	0.107045	1.83E-12	-0.0114605	0.0129342	0.375587	0.07819659	20	0.83735401
ENSG00000242110	5	AMACR	33986283	rs6875926	5	34012492	C	T	0.50497	-0.0140479	0.00810896	0.0832032	0.888059	0.0630708	5.02E-45	-0.0158187	0.00919996	0.08553666	0.5354719	20	0.59548107
ENSG00000039560	5	RAI14	34656342	rs384751	5	34625268	C	T	0.568588	-0.0060944	0.00806505	0.44986	0.611307	0.0789308	9.57E-15	-0.0099694	0.0132558	0.4520033	0.5202726	6	0.86795298
ENSG00000153071	5	DAB2	39371780	rs55818129	5	39425092	G	T	0.131213	0.00792733	0.0128156	0.536201	0.634956	0.100152	2.30E-10	0.0124848	0.0202793	0.5381285	0.2148697	3	0.88779913
ENSG00000172239	5	PAIP1	43526369	rs750583	5	43430295	C	G	0.505964	0.0148645	0.00812645	0.0673767	-0.281119	0.0446254	2.99E-10	-0.0528762	0.0301015	0.07898622	0.2006263	5	0.58216822
ENSG00000164171	5	ITGA2	52285156	rs78134603	5	52415852	C	G	0.0367793	-0.0057728	0.0289653	0.842029	1.05146	0.183869	1.07E-08	-0.0054902	0.0275644	0.8421236	0.9220489	8	0.97376482
ENSG00000272123	5	CTD-2366F13.2	52384846	rs78134603	5	52415852	C	G	0.0367793	-0.0057728	0.0289653	0.842029	1.55396	0.232588	2.37E-11	-0.0037149	0.018648	0.8420983	0.8702287	7	0.97376482
ENSG00000164172	5	MOCS2	52391509	rs2062562	5	52414753	T	C	0.131213	-0.0006995	0.014933	0.962641	-0.359886	0.0615368	4.97E-09	0.00194358	0.041495	0.9626417	0.8770033	4	0.98973237
ENSG00000247796	5	CTD-2366F13.1	52405672	rs62359378	5	52414791	A	G	0.324056	0.00720601	0.00858943	0.401503	0.514863	0.083677	7.60E-10	0.013996	0.0168373	0.4058334	0.07566145	5	0.84683083
ENSG00000178996	5	SNX18	53813589	rs4498222	5	54084234	T	C	0.276342	-0.0181334	0.00934762	0.0523926	0.403914	0.0607328	2.92E-11	-0.0448942	0.024107	0.06256218	0.8658401	5	0.55559132
ENSG00000177058	5	SLC38A9	54921673	rs11740070	5	54951430	A	G	0.661034	0.0116288	0.00869944	0.181309	-0.664789	0.0843365	3.21E-15	-0.0174925	0.0132728	0.1875324	0.6286973	7	0.72629627
ENSG00000155542	5	SETD9	56205087	rs744023	5	56197078	T	C	0.840954	-0.002063	0.0107983	0.848488	1.24731	0.106603	1.27E-31	-0.001654	0.00865842	0.8485082	0.07554734	20	0.9761713
ENSG00000035499	5	DEPDC1B	59892739	rs7719611	5	59988547	A	G	0.455268	-0.0069716	0.00808732	0.388662	0.597472	0.0927233	1.17E-10	-0.0116686	0.0136565	0.3928649	0.2861431	20	0.84301004

ENSG00000164181	5	ELOVL7	60047618	rs1992612	5	60044870	G	T	0.311133	0.00021152	0.0087905	0.980803	0.360007	0.0612323	4.12E-09	0.00058753	0.0244178	0.9808034	0.2824768	6	0.99439197
ENSG00000164197	5	RNF180	63461671	rs2934803	5	63490739	T	G	0.498012	-0.0179917	0.00806001	0.0256	-0.40788	0.0620219	4.82E-11	0.0441103	0.0208681	0.03453485	0.7235864	14	0.48886921
ENSG00000123219	5	CENPK	64813593	rs9790869	5	64858580	T	G	0.322068	0.00081369	0.00870209	0.925503	0.691098	0.114166	1.42E-09	0.00117738	0.0125932	0.9255114	0.8621634	6	0.98393256
ENSG00000113593	5	PPWD1	64859063	rs28342	5	64968615	A	G	0.305169	0.00405156	0.00853891	0.635155	-0.372321	0.0611324	1.13E-09	-0.0108819	0.0230038	0.6361784	0.2195148	8	0.92237337
ENSG00000134056	5	MRPS36	68513587	rs4266362	5	68589847	A	G	0.440358	-0.0065776	0.00821218	0.423157	0.221613	0.0406264	4.90E-08	-0.0296806	0.0374537	0.4280928	0.7615479	12	0.85954155
ENSG00000183323	5	CCDC125	68576002	rs112104714	5	68583485	T	C	0.119284	0.00386862	0.0109355	0.723514	0.976823	0.127732	2.05E-14	0.00396041	0.0112069	0.7237967	0.9690848	11	0.94553222
ENSG00000152942	5	RAD17	68665120	rs17230033	5	68686225	A	G	0.0198807	0.00996035	0.0214628	0.642594	1.58268	0.160814	7.45E-23	0.00629334	0.0135761	0.642963	0.4804065	6	0.92500067
ENSG00000253203	5	GUSBP3	68790040	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.00923	0.107644	6.88E-21	-0.0079451	0.0106574	0.4559676	0.3955861	4	0.86795298
ENSG00000226259	5	GTF2H2B	69711179	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.12587	0.105316	1.13E-26	-0.007122	0.00954631	0.4556385	0.02274614	7	0.86795298
ENSG00000269983	5	RP11-497H16.9	69745463	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.899327	0.107217	4.95E-17	-0.0089161	0.0119692	0.4563224	0.03038571	6	0.86795298
ENSG00000253333	5	RP11-497H16.8	69790927	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.823997	0.0920975	3.65E-19	-0.0097312	0.0130572	0.4561073	0.02743308	7	0.86795298
ENSG00000172058	5	SERF1A	70196492	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.07915	0.102612	7.23E-26	-0.0074303	0.00996041	0.4556751	0.02017925	5	0.86795298
ENSG00000145736	5	GTF2H2	70330784	rs12055271	5	70676547	C	G	0.624254	-0.0072359	0.00868345	0.404674	-0.809593	0.0973386	9.00E-17	0.00893775	0.0107794	0.4070188	0.02989556	4	0.84699128
ENSG00000230847	5	RP11-195E2.1	70370052	rs12055271	5	70676547	C	G	0.624254	-0.0072359	0.00868345	0.404674	-0.741284	0.0895447	1.25E-16	0.00976136	0.0117733	0.4070407	0.03358868	3	0.84699128
ENSG00000215630	5	GUSBP9	70435716	rs10058698	5	70670771	C	A	0.636183	-0.0136879	0.00860533	0.111693	0.570259	0.102231	2.43E-08	-0.024003	0.0156917	0.126102	0.2907238	3	0.66875442
ENSG00000131844	5	MCCC2	70883115	rs7727132	5	70890899	G	A	0.829026	-0.0037881	0.0104437	0.716817	0.685758	0.0629047	1.13E-27	-0.005524	0.0152379	0.7169674	0.7305768	20	0.94380637
ENSG00000131711	5	MAP1B	71403061	rs72761109	5	71506529	T	C	0.311133	0.014635	0.00901952	0.104676	0.408378	0.0511011	1.33E-15	0.0358369	0.0225369	0.1118018	0.8222315	8	0.65358599
ENSG00000113048	5	MRPS27	71515236	rs6831	5	71515616	G	A	0.65507	0.00454141	0.00814031	0.576918	-0.568281	0.0586459	3.32E-22	-0.0079915	0.0143482	0.5775485	0.3867285	18	0.9004891
ENSG00000049860	5	HEXB	73935848	rs820841	5	73970597	T	C	0.540755	-0.0085962	0.0082257	0.296004	-0.363746	0.0614696	3.27E-09	0.0236324	0.0229638	0.3034248	0.6321349	3	0.80750206
ENSG00000164346	5	NSA2	74062817	rs6870806	5	74067536	C	G	0.138171	-0.0151823	0.0126002	0.228233	1.30311	0.0964185	1.27E-41	-0.0116508	0.00970768	0.2300752	0.1250812	15	0.75838827
ENSG00000271815	5	CTD-2235C13.3	74659585	rs72633963	5	74630829	A	G	0.125249	0.034585	0.0107671	0.00131765	-0.642316	0.116291	3.33E-08	-0.0538442	0.0193915	0.00549141	0.1524574	6	0.28129727
ENSG00000122008	5	POLK	74807581	rs924452	5	74923956	A	G	0.218688	0.0247789	0.00947836	0.00894211	0.27455	0.0432258	2.13E-10	0.0902528	0.0373332	0.01562781	0.790295	20	0.38004666
ENSG00000152359	5	POC5	74969949	rs3797581	5	75002895	T	G	0.188867	0.0165803	0.00991041	0.0943235	0.645998	0.0826219	5.34E-15	0.0256662	0.0156885	0.1018427	0.1142135	20	0.63826532
ENSG00000113231	5	PDE8B	76506274	rs335630	5	76729378	A	C	0.657058	-0.0064503	0.008519	0.448949	-0.626929	0.0738376	2.05E-17	0.0102888	0.0136424	0.4507436	0.9779111	20	0.86795298
ENSG00000164253	5	WDR41	76721795	rs17603636	5	76835647	G	T	0.0964215	-0.0167217	0.0140855	0.235165	0.870764	0.116152	6.54E-14	-0.0192035	0.0163776	0.2409778	0.8193796	20	0.76586993
ENSG00000245556	5	CTD-2037K23.2	77638189	rs2362831	5	77793530	C	T	0.0248509	-0.0412236	0.0284071	0.146732	1.21127	0.196636	7.28E-10	-0.0340334	0.0240943	0.1578012	0.8740072	7	0.69778463
ENSG00000164300	5	SERINC5	79407050	rs13176625	5	79462522	C	T	0.252485	0.013757	0.00887171	0.120983	0.343157	0.058689	5.00E-09	0.0400895	0.0267469	0.1339137	0.4086651	10	0.67495201
ENSG00000228716	5	DHFR	79922047	rs408626	5	79951133	C	T	0.450298	-0.0129091	0.00810531	0.111233	0.90523	0.0874744	4.25E-25	-0.0142606	0.00905929	0.1154555	0.9805888	20	0.65779296
ENSG00000113318	5	MSH3	79950467	rs34083145	5	80009531	T	G	0.134195	0.00877918	0.0117778	0.456029	0.586074	0.100712	5.91E-09	0.0149796	0.0202603	0.4596885	0.7440589	8	0.87178458
ENSG00000247572	5	CKMT2-AS1	80499903	rs60488995	5	80566680	G	A	0.184891	-0.0134188	0.0100846	0.183314	1.17756	0.096659	3.85E-34	-0.0113954	0.00861491	0.1859164	0.2508847	20	0.72629627
ENSG00000248794	5	CTD-2248H3.1	80538149	rs73130869	5	80535723	C	T	0.192843	-0.0114419	0.00986727	0.246219	0.754988	0.103917	3.72E-13	-0.0151551	0.0132349	0.2521728	0.4105435	8	0.77529567
ENSG00000152348	5	ATG10	81267844	rs1543911	5	81504841	T	C	0.77336	-0.0050214	0.00994706	0.613691	-1.00982	0.0896401	1.95E-29	0.00497256	0.00986021	0.6140468	0.3495613	20	0.9147172
ENSG00000186468	5	RPS23	81569177	rs111772743	5	81569088	T	C	0.298211	0.00481835	0.00872486	0.580772	-0.944728	0.0664451	7.07E-46	-0.0051003	0.00924228	0.5810586	0.6407574	20	0.9004891
ENSG00000205464	5	ATP6AP1L	81575281	rs178931	5	81575601	A	T	0.701789	-0.005667	0.0087136	0.51546	-1.10121	0.0811441	5.95E-42	0.00514613	0.00792183	0.5159418	0.6626146	20	0.88693216
ENSG00000249664	5	CTD-2227C6.2	82308104	rs7722924	5	82356042	C	T	0.461233	0.0030847	0.00807399	0.702422	0.740225	0.0968157	2.08E-14	0.00416725	0.0109211	0.7027745	0.0035669	20	0.94116663
ENSG00000038427	5	VCAN	82767284	rs6876647	5	81920484	A	G	0.346918	0.00704475	0.00862393	0.413995	0.398995	0.0537284	1.12E-13	0.0176562	0.0217445	0.4167996	0.1670619	11	0.85560764
ENSG00000247828	5	TMEM161B-AS1	87564712	rs78909929	5	87639971	G	A	0.257455	0.0215781	0.00893427	0.0157264	0.564677	0.0685242	1.71E-16	0.0382132	0.0164875	0.02046509	0.09732151	20	0.40711621
ENSG00000164199	5	GPR98	89825161	rs154569	5	89854325	G	A	0.536779	-0.0073132	0.0081189	0.367714	0.463983	0.0764514	1.29E-09	-0.0157618	0.01769	0.3729274	0.6572402	12	0.83735401
ENSG00000185261	5	KIAA0825	93488671	rs72771700	5	93914398	C	G	0.128231	0.00396702	0.0123128	0.74731	0.719658	0.0909524	2.52E-15	0.00551237	0.0171234	0.7475134	0.5409575	14	0.95252174
ENSG00000243806	5	CTC-484P3.1	94161666	rs152286	5	94193334	A	G	0.890656	0.00867352	0.0106707	0.416313	-0.977674	0.110609	9.66E-19	-0.0088716	0.0109604	0.4182737	0.9326992	20	0.85625643
ENSG00000153347	5	FAM81B	94727048	rs17084867	5	94847945	C	A	0.177932	0.00308641	0.0124364	0.803999	0.831419	0.117575	1.53E-12	0.00371222	0.0149673	0.8041168	0.2705905	11	0.96614993
ENSG00000225165	5	CTD-2538A21.1	94775748	rs17084867	5	94847945	C	A	0.177932	0.00308641	0.0124364	0.803999	0.656877	0.115727	1.38E-08	0.00469861	0.0189507	0.8041819	0.2794781	6	0.96614993
ENSG00000248734	5	CTD-2260A17.1	96120481	rs149173	5	96114493	C	T	0.256461	-0.0018214	0.00908102	0.841029	-0.741917	0.113391	6.03E-11	0.00245505	0.0122457	0.8411033	0.1358006	8	0.97376482
ENSG00000272109	5	CTD-2260A17.3	96140056	rs149173	5	96114493	C	T	0.256461	-0.0018214	0.00908102	0.841029	-0.694459	0.122989	1.64E-08	0.00262282	0.0130846	0.8411285	0.9181808	7	0.97376482
ENSG00000164308	5	ERAP2	96211643	rs2927608	5	96252432	A	G	0.426441	-0.0050424	0.00809512	0.533353	1.13809	0.0822654	1.58E-43	-0.0044306	0.00712011	0.5337679	0.1619777	20	0.88710629
ENSG00000145730	5	PAM	102089685	rs2175912	5	102028537	G	A	0.617296	0.00836243	0.00841223	0.320184	-0.615626	0.0633853	2.67E-22	-0.0135836	0.0137359	0.3227054	0.378683	20	0.81804241
ENSG00000175749	5	EIF3KP1	102368080	rs34809	5	102430117	A	C	0.27336	0.00273315	0.00861172	0.750959	1.02198	0.101794	1.02E-23	0.00267437	0.00843071	0.7510788	0.3268114	20	0.95502521
ENSG00000249476	5	CTD-2587M2.1	108572821	rs2416210	5	108741137	T	C	0.741551	-0.0105517	0.00863795	0.221878	-0.85513	0.101728	4.24E-17	0.0123393	0.0102074	0.2267189	0.6306936	20	0.75779347
ENSG00000186952	5	TMEM232	109624934	rs149693291	5	110031789	G	C	0.763419	0.00831269	0.00944026	0.378558	-0.658648	0.0982968	2.08E-11	-0.0126208	0.014456	0.3826353	0.3799126	20	0.83852378
ENSG00000145777	5	TSLP	110405760	rs3806932	5	110405675	G	A	0.462227	-0.0108432	0.00808819	0.180042	-0.652202	0.0865226	4.77E-14	0.0166255	0.012596	0.1868654	0.6660097	11	0.72629627
ENSG00000134987	5	WDR36	110427414	rs11746289	5	110471796	T	C	0.0427435	0.00204912	0.0213559	0.92356	0.869258	0.105992	2.38E-16	0.00235732	0.0245696	0.9235647	0.5807893	16	0.9835676
ENSG00000152495	5	CAMK4	110559351	rs6869197	5	110574821	A	G	0.466203	-0.0121784	0.00812987	0.134137	-0.370171	0.0492858	5.88E-14	0.0328994	0.022395	0.1418196	0.7959081	11	0.68835807
ENSG00000129595	5	EPB41L4A	111478138	rs146476475	5	111499952	A	T	0.028827	0.00780428	0.0223778	0.727276	1.70393	0.267439	1.87E-10	0.00458016	0.0131527	0.7276677	0.07751409	8	0.94616865
ENSG00000047188	5	YTHDC2	112849380	rs3763139	5	112901494	C	G	0.50994	-0.0068671	0.00809226	0.396102	0.252826	0.0404563	4.12E-10	-0.0271614	0.032301	0.4004116	0.6100058	20	0.84423725
ENSG00000145782	5	ATG12	115163893	rs6594906	5	115171435	C	T	0.224652	0.00059033	0.010499	0.955161	0.358051	0.0532491	1.77E-11	0.00164872	0.0293237	0.9551627	0.4679401	6	0.98968811
ENSG00000145781	5	COMMD10	115420688	rs2218883	5	115571151	C	G	0.774354	0.0218495	0.0092387	0.0180302	-0.49414	0.0703025	2.08E-12	-0.0442172	0.0197265	0.0249929	0.4304013	20	0.43194487
ENSG00000145779	5	TNFAIP8	118604387	rs72786136	5	118659359	A	G	0.0576541	-0.0205869	0.0169331	0.224068	1.17259	0.154352	3.03E-14	-0.0175568	0.0146245	0.2299444	0.9963373	7	0.75838827
ENSG00000064692	5	SNCAIP	121647049	rs79029198	5	121721150	G	T	0.0805169	0.0197946	0.012869	0.124009	-0.657606	0.0968993	1.15E-11	-0.030101	0.0200658	0.1335851	0.04801121	16	0.67495201
ENSG00000151292	5	CSNK1G3	122847793	rs2036321	5	122838501	T	C	0.233598	-0.0034415	0.0103093	0.738513	0.270657	0.0446968	1.40E-09	-0.0127153	0.0381477	0.7388952	0.3132677	7	0.94951161
ENSG00000164904	5	ALDH7A1	125877533	rs79449010	5	125919818	C	T	0.0447316	0.0146392	0.0157931	0.353961	-0.834937	0.125622	3.00E-11	-0.0175333	0.0190984	0.358592	0.6776777	5	0.83426107
ENSG00000164241	5	C5orf63	126378250	rs4131248	5	126254480	A	C	0.472167	-0.0048224	0.00813206	0.553172	-0.448616	0.0772006	6.21E-09	0.0107495	0.0182211	0.5552246	0.2197471	8	0.89575241
ENSG00000064651	5	SLC12A2	127419458	rs10478787	5	127294105	A	C	0.577535	-0.0126866	0.00870942	0.145214	0.412078	0.0570941	5.29E-13	-0.0307869	0.0215615	0.1533313	0.9104194	6	0.69271049
ENSG00000113396	5	SLC27A6	127873706	rs257894	5	128312506	A	G	0.360835	-0.0026283	0.00888622	0.767406	-0.571365	0.101084	1.58E-08	0.0046	0.0155739	0.7677141	0.1303604	10	0.95821133
ENSG00000072682	5	P4HA2	131527531	rs12521097	5	131575338	A	G	0.4334	-0.001357	0.00864325	0.875243	0.386484	0.0617034	3.76E-10	-0.0035112	0.0223708	0.8752819	0.6403224	12	0.97689669
ENSG00000233006	5	AC034220.3	131646978	rs4705857	5	131737030	T	C	0.341948	-0.0123624	0.0081139	0.127606	-0.539632	0.0682555	2.66E-15	0.0229089	0.0153126	0.1346329	0.3816868	17	0.67495201
ENSG00000197375	5	SLC22A5	131705444	rs2631368	5	131705297	G	T	0.323062	-0.0069351	0.00818224	0.396672	-0.318598	0.0483917	4.59E-11	0.0217676	0.025894	0.4005478	0.9442031	7	0.84423725
ENSG00000081059	5	TCF7	133450402	rs2429080	5	133394797	C	T	0.691849	0.00296576	0.00824725	0.719141	0.711794	0.0848777	5.02E-17	0.0041666	0.0115972	0.7193888	0.9201877	12	0.94380637
ENSG00000164615	5	CAMLG	134074191	rs11950943	5	133916719	T	A	0.142147	0.00506823	0.0102541	0.621119	0.571769	0.0868103	4.51E-11	0.00886412	0.0179844	0.6220989	0.502474	9	0.91852725
ENSG00000113621	5	TXNDC15	134209493	rs7706190	5	134251868	C	T	0.148111	0.0117379	0.0100791	0.244191	1.10173	0.0832501	5.58E-40	0.0106541	0.00918378	0.2460101	0.6733334	17	0.77232932
ENSG00000270021	5	CTC-203F4.2	134734970	rs6870570	5	134756056	G	A	0.950298	0.00346035	0.019583	0.859743	0.840636	0.138484	1.28E-09	0.00411635	0.0233053	0.8598015	0.8132311	8	0.9761713
ENSG00000146013	5	GFRA3	137588068	rs11567997	5	137625228	G	C	0.0308151	0.00200925	0.0135641	0.88224	1.059	0.168098	2.98E-10	0.00189731	0.0128119	0.8822725	0.3641382	4	0.97689669
ENSG00000250069	5	CTB-131B5.2	139579748	rs4913078	5	139626680	T	A	0.218688	-0.035653	0.00906037	8.32E-05	0.726233	0.111916	8.64E-11	-0.0490931	0.0145905	0.0007662	0.05372722	5	0.17322719
ENSG00000251453	5	HAUS1P1	139961089	rs55720104	5	139949409	C	T	0.281312	-0.0066037	0.00834645	0.428829	0.63462	0.100845	3.11E-10	-0.0104057	0.0132554	0.4324434	0.8869545	4	0.86278143
ENSG00000113119	5	TMCO6	140019012	rs12153256	5	140021858	T	A	0.245527	-0.0064323	0.00902653	0.476093	0.640208	0.0738675	4.44E-18	-0.0100472	0.0141469	0.4775783	0.3669016	20	0.87699866
ENSG00000170445	5	HARS	140052758	rs2230361	5	140057535	A	G	0.0596421	0.0121272	0.0142275	0.394006	0.502678	0.089044	1.65E-08	0.0241252	0.0286242	0.3993267	0.5749145	4	0.84423725
ENSG00000204970	5	PCDHA1	140165876	rs812381	5	140065203	G	C	0.43837	-0.0092268	0.00809235	0.25421	-0.465796	0.0717099	8.27E-11	0.0198086	0.0176388	0.2614324	0.3870066	13	0.77529567
ENSG00000255408	5	PCDHA3	140180783	rs2531349	5	140120953	A	G	0.440358	-0.0086933	0.00809724	0.282999	-0.342843	0.0597353	9.50E-09	0.0253564	0.0240276	0.2912872	0.668813	7	0.80201273
ENSG00000204965	5	PCDHA5	140201222	rs114075983	5	140289352	A	G	0.0765408	-0.018434	0.0152382	0.226387	0.697826	0.124477	2.07E-08	-0.0264163	0.0223393	0.2370054	0.8907581	3	0.76116625
ENSG00000081842	5	PCDHA6	140207563	rs114075983	5	140289352	A	G	0.0765408	-0.018434	0.0152382	0.226387	0.668949	0.108137	6.17E-10	-0.0275567	0.0232108	0.235135	0.8657253	8	0.76051447
ENSG00000204962	5	PCDHA8	140220907	rs3756337	5	140186438	C	G	0.455268	0.0156987	0.00828674	0.0581674	-0.485509	0.0759136	1.60E-10	-0.0323345	0.0178012	0.06930542	0.4861895	7	0.56129172
ENSG00000204961	5	PCDHA9	140227048	rs246039	5	140331337	A	G	0.457256	0.00633887	0.00825057	0.442312	0.758617	0.0782639	3.23E-22	0.00835582	0.0109099	0.4437402	0.09726378	20	0.86795298
ENSG00000239389	5	PCDHA13	140261793	rs251379	5	140258922	A	G	0.662028	-0.0203692	0.00877956	0.0203376	-0.812103	0.0649306	6.82E-36	0.025082	0.0109953	0.02253923	0.357848	20	0.416062
ENSG00000120322	5	PCDHB8	140557371	rs2910003	5	140604721	A	C	0.321074	-0.0044448	0.00866679	0.608055	-0.553894	0.100706	3.80E-08	0.00802459	0.0157149	0.6096062	0.7692594	3	0.91429334
ENSG00000120324	5	PCDHB10	140571942	rs652104	5	140626571	A	C	0.23161	0.00864031	0.00959521	0.367864	-0.730399	0.103302	1.54E-12	-0.0118296	0.0132431	0.3717146	0.4900731	18	0.83697057
ENSG00000120327	5	PCDHB14	140602931	rs643502	5	140585514	C	T	0.406561	0.00708161	0.00838054	0.398107	-0.446712	0.0765704	5.41E-09	-0.0158527	0.0189563	0.4029975	0.7955912	6	0.84457769
ENSG00000146001	5	PCDHB18	140613938	rs73281222	5	140614165	T	C	0.159046	-0.0118621	0.0133829	0.375421	-0.741451	0.104127	1.07E-12	0.0159985	0.0181889	0.37909	0.01161992	6	0.83846816
ENSG00000272070	5	AC005618.6	140705777	rs78011949	5	140705739	T	C	0.0168986	0.0530881	0.0689896	0.441591	-1.47029	0.249781	3.95E-09	-0.0361072	0.0473217	0.4454536	0.934334	6	0.86795298
ENSG00000133706	5	LARS	145492601	rs17428724	5	145562565	A	G	0.251491	0.0137898	0.00862278	0.10977	0.927496	0.082566	2.80E-29	0.0148678	0.00939058	0.1133611	0.5032149	17	0.65668723
ENSG00000173210	5	ABLIM3	148521046	rs13171669	5	148601243	G	A	0.362823	0.0110435	0.00840144	0.188687	-0.565093	0.0644876	1.90E-18	-0.0195428	0.0150337	0.193624	0.6772092	15	0.73174115
ENSG00000157510	5	AFAP1L1	148651434	rs352360	5	148663788	T	C	0.471173	0.0198198	0.00809007	0.0142896	-0.826314	0.0905159	6.92E-20	-0.0239858	0.010137	0.0179733	0.05883574	4	0.39313618
ENSG00000164296	5	TIGD6	149372681	rs170037	5	149440644	T	C	0.570577	0.00171724	0.00861735	0.842046	0.611555	0.0875746	2.88E-12	0.00280799	0.0140966	0.8421095	0.9688501	20	0.97376482
ENSG00000011083	5	SLC6A7	149569520	rs17652561	5	149584197	A	G	0.241551	-0.0095801	0.00979678	0.328131	-0.496502	0.0662609	6.72E-14	0.0192952	0.0198989	0.3322144	0.3403659	9	0.82509976
ENSG00000070614	5	NDST1	149865381	rs67495350	5	149913682	A	G	0.440358	0.00951481	0.00806275	0.237962	0.335901	0.0556553	1.59E-09	0.0283262	0.0244579	0.2467974	0.4859474	3	0.77232932
ENSG00000197083	5	ZNF300P1	150310207	rs12659118	5	150324622	C	T	0.115308	0.0160302	0.0132866	0.227629	1.51692	0.120761	3.45E-36	0.0105676	0.00879924	0.2297641	0.06071723	20	0.75838827
ENSG00000145901	5	TNIP1	150409506	rs4958437	5	150460768	C	T	0.0964215	-0.0276431	0.0123367	0.0250438	-0.732455	0.130119	1.81E-08	0.0377403	0.0181283	0.03735631	0.2755299	7	0.50417602
ENSG00000123643	5	SLC36A1	150816607	rs7706041	5	150830467	T	C	0.176938	-0.0190281	0.0104175	0.0677673	0.638774	0.0709466	2.18E-19	-0.0297885	0.0166408	0.07344	0.08725294	20	0.56880371
ENSG00000271795	5	CTC-251D13.1	150889014	rs55656828	5	150827304	T	G	0.626243	-0.0068327	0.00847688	0.42022	0.313827	0.0543497	7.73E-09	-0.0217722	0.0272732	0.4246969	0.1740023	5	0.8584192
ENSG00000213433	5	RP11-54C4.1	151145420	rs72802204	5	151183183	C	T	0.263419	-0.0280587	0.00873133	0.00131096	-0.893784	0.0945479	3.29E-21	0.0313932	0.010318	0.00234568	0.1187982	18	0.22354904
ENSG00000145888	5	GLRA1	151202074	rs55689355	5	151756636	G	C	0.206759	0.0120038	0.0102891	0.243353	-0.740285	0.101476	2.98E-13	-0.0162151	0.0140754	0.2493154	0.5901503	13	0.77306764
ENSG00000113272	5	THG1L	157158205	rs2270818	5	157158439	A	C	0.136183	0.00435407	0.012333	0.724056	0.792162	0.122432	9.79E-11	0.00549644	0.0155919	0.7244499	0.3043291	11	0.94553222
ENSG00000221886	5	C5orf54	159820155	rs2961949	5	159840688	C	T	0.700795	0.0210174	0.00889758	0.0181694	0.378173	0.0611557	6.26E-10	0.0555762	0.0251859	0.02733958	0.3043512	7	0.45322628
ENSG00000145863	5	GABRA6	160974069	rs3219151	5	161128914	T	C	0.576541	-0.0079685	0.0080933	0.324831	0.536829	0.0524686	1.43E-24	-0.0148436	0.0151458	0.3270608	0.2275441	16	0.82470658
ENSG00000253403	5	RP11-348M17.2	161114353	rs6898571	5	161128019	C	T	0.301193	0.00712109	0.00898325	0.427949	0.67258	0.113342	2.96E-09	0.0105877	0.0134751	0.432027	0.04638782	12	0.86250564
ENSG00000170584	5	NUDCD2	162873532	rs299320	5	162917978	A	T	0.263419	0.00138153	0.0088394	0.875803	-0.437368	0.0733468	2.48E-09	-0.0031587	0.0202174	0.8758449	0.634619	12	0.97689669
ENSG00000188573	5	FBLL1	167956121	rs13175257	5	167962244	T	C	0.139165	-0.0050335	0.0110281	0.648084	0.53442	0.0615195	3.72E-18	-0.0094186	0.0206641	0.6485365	0.9599918	20	0.92641321
ENSG00000204764	5	RANBP17	170288874	rs39784	5	170559066	A	C	0.722664	-0.0071711	0.0086187	0.405386	0.407229	0.0638804	1.83E-10	-0.0176095	0.0213438	0.4093471	0.887734	9	0.85000195
ENSG00000072786	5	STK10	171469077	rs3111481	5	171537233	A	G	0.0954274	0.00097535	0.011774	0.93398	0.53538	0.0801122	2.34E-11	0.00182178	0.0219935	0.9339847	0.8885306	11	0.98615066
ENSG00000113734	5	BNIP1	172571445	rs72816171	5	172595998	T	G	0.117296	-0.005789	0.0131192	0.659024	-0.5416	0.0882403	8.37E-10	0.0106887	0.0242856	0.6598455	0.2103113	6	0.9296996
ENSG00000253686	5	CTB-43E15.3	173134617	rs6863615	5	173140653	C	T	0.61332	0.00766314	0.00825047	0.352986	-0.491472	0.089375	3.82E-08	-0.0155922	0.017025	0.3597507	0.435207	3	0.83426107
ENSG00000051596	5	THOC3	175344876	rs62389966	5	175370894	G	A	0.256461	-0.0149398	0.00915973	0.102885	0.793775	0.0949852	6.44E-17	-0.0188212	0.0117572	0.1094155	0.4660249	3	0.64968164
ENSG00000248469	5	RP11-826N14.2	175476681	rs377690773	5	175510305	C	T	0.0815109	0.0007225	0.0149096	0.961351	-1.10035	0.140808	5.52E-15	-0.0006566	0.0135501	0.9613513	0.9839067	4	0.98973237
ENSG00000251623	5	RP11-826N14.4	175564160	rs7443800	5	175559839	A	G	0.442346	0.00931346	0.00816824	0.254201	-0.786167	0.104962	6.89E-14	-0.0118467	0.0105097	0.2596504	0.02596219	20	0.77529567
ENSG00000160867	5	FGFR4	176513887	rs11957388	5	176448801	C	T	0.0367793	-0.0324445	0.0520356	0.532952	1.20979	0.140071	5.77E-18	-0.0268183	0.043124	0.5340159	0.09623641	9	0.88710629
ENSG00000213347	5	MXD3	176728462	rs11952102	5	176740704	A	G	0.763419	0.00682259	0.00878806	0.437543	-0.515211	0.0736208	2.59E-12	-0.0132423	0.0171618	0.440343	0.5391563	4	0.86436908
ENSG00000169220	5	RGS14	176784838	rs10051765	5	176799992	C	T	0.33996	0.00075812	0.00821123	0.926438	-0.53782	0.0924447	5.96E-09	-0.0014096	0.0152695	0.9264474	0.646351	5	0.98417886
ENSG00000146067	5	FAM193B	176946789	rs28367897	5	176986206	A	G	0.477137	-0.007811	0.00808669	0.33409	-0.277197	0.048526	1.11E-08	0.0281785	0.0295872	0.3408998	0.3489509	3	0.82819565
ENSG00000184840	5	TMED9	177019159	rs186803	5	177016095	C	T	0.555666	0.00040971	0.00810798	0.959698	0.232822	0.0393932	3.42E-09	0.00175976	0.0348261	0.9597	0.1507728	3	0.98968811
ENSG00000247679	5	RP11-1277A3.1	177038254	rs6600992	5	177047436	T	A	0.538767	-0.0049311	0.00829859	0.55237	0.519442	0.0692555	6.36E-14	-0.0094931	0.016026	0.5536124	0.3516974	20	0.89575241
ENSG00000249849	5	RP11-1101H11.1	177109295	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.94825	0.0930074	2.08E-24	0.0151515	0.00883289	0.08628125	0.7805296	20	0.59625727
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	1.06508	0.0882612	1.57E-33	0.0134895	0.00783208	0.08500801	0.3717403	20	0.59548107
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	1.00393	0.112538	4.63E-19	0.0164283	0.00856705	0.05515943	0.743299	18	0.54765098
ENSG00000170089	5	RP11-423H2.1	177236408	rs62399513	5	177289831	T	C	0.388668	0.0107423	0.00838686	0.200247	0.654792	0.0883423	1.24E-13	0.0164057	0.0129983	0.2068977	0.3211531	6	0.7417907
ENSG00000249684	5	RP11-423H2.3	177377336	rs62399551	5	177328866	G	A	0.56163	-0.002868	0.00812736	0.724179	-0.472237	0.0772113	9.59E-10	0.00607316	0.017239	0.7246189	0.5589463	5	0.94553222
ENSG00000204677	5	FAM153C	177433406	rs7731593	5	177432595	G	A	0.493042	0.00150822	0.00808074	0.85194	0.651325	0.0732733	6.17E-19	0.00231562	0.0124094	0.8519722	0.2760027	20	0.9761713
ENSG00000218227	5	RP11-889L3.1	177482605	rs7731593	5	177432595	G	A	0.493042	0.00150822	0.00808074	0.85194	0.513389	0.057541	4.57E-19	0.00293777	0.0157434	0.8519719	0.3636811	20	0.9761713
ENSG00000145911	5	N4BP3	177540444	rs3812076	5	177551154	T	C	0.277336	0.0105009	0.00947218	0.267603	-0.515586	0.0615907	5.70E-17	-0.0203669	0.0185321	0.2717641	0.5426013	11	0.78539442
ENSG00000050767	5	COL23A1	177664619	rs2973741	5	177821665	G	A	0.483101	-0.0068975	0.00805665	0.39193	-0.406656	0.0556146	2.63E-13	0.0169614	0.0199473	0.3951512	0.2274811	6	0.84410017
ENSG00000250420	5	AACSP1	178191862	rs79616046	5	178267484	T	C	0.312127	0.00162358	0.0086023	0.850298	0.992838	0.108529	5.79E-20	0.00163529	0.0086662	0.8503297	0.9998135	20	0.9761713
ENSG00000178187	5	ZNF454	178368192	rs10055000	5	178400805	T	C	0.570577	-0.0012542	0.00815741	0.877808	-0.45862	0.0549269	6.85E-17	0.0027347	0.0177899	0.8778285	0.6736334	20	0.97689669
ENSG00000253520	5	RP11-798K23.5	178954225	rs57564870	5	178959648	A	G	0.356859	-0.0016574	0.00865226	0.848088	-0.975869	0.120081	4.41E-16	0.0016984	0.00886867	0.8481292	0.210961	20	0.9761713
ENSG00000127022	5	CANX	179105629	rs1134924	5	179126090	T	C	0.496024	0.0122447	0.00805621	0.128535	-0.332248	0.0460076	5.14E-13	-0.0368541	0.0247788	0.1369294	0.9809342	19	0.67621438
ENSG00000161010	5	C5orf45	179261436	rs72813734	5	179269193	A	G	0.0377734	-0.0061299	0.024441	0.801966	-0.870739	0.131967	4.16E-11	0.00703987	0.0280895	0.8021059	0.6417194	9	0.96614993
ENSG00000248367	5	CTB-129O4.1	179720245	rs3763131	5	179734312	C	T	0.214712	0.00085855	0.0101727	0.93274	-0.449361	0.061763	3.45E-13	-0.0019106	0.0226397	0.9327453	0.11959	17	0.98546106
ENSG00000131459	5	GFPT2	179727690	rs57442299	5	179824575	A	G	0.0884692	0.0273273	0.0152133	0.0724519	-0.661366	0.0898305	1.81E-13	-0.0413195	0.0236776	0.08096953	0.1303469	11	0.58936613
ENSG00000196670	5	ZFP62	180274611	rs2121116	5	180285913	A	G	0.492048	0.00635596	0.00808191	0.431609	-0.282472	0.0489553	7.93E-09	-0.0225012	0.0288759	0.4358395	0.4291469	5	0.86298249
ENSG00000146054	5	TRIM7	180620924	rs416574	5	180626927	G	A	0.289264	-0.0028547	0.00865826	0.741619	0.689366	0.0773678	5.09E-19	-0.0041411	0.0125683	0.7417891	0.07177102	20	0.95039525
ENSG00000248514	5	CTC-338M12.1	180632361	rs254456	5	180633194	A	G	0.276342	-0.003878	0.00869466	0.655582	0.559321	0.0650374	7.97E-18	-0.0069334	0.0155659	0.6560146	0.06498109	20	0.92834527
ENSG00000248275	5	TRIM52-AS1	180688213	rs1279911	5	180691200	G	C	0.279324	0.00526586	0.00895205	0.556378	-0.710871	0.0564038	2.03E-36	-0.0074076	0.0126068	0.5568076	0.185647	20	0.89575241
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.18071	0.106214	1.04E-28	0.00726106	0.00842533	0.3887901	0.877815	20	0.84300565
ENSG00000145949	6	MYLK4	2663863	rs4959699	6	2678750	C	T	0.418489	-0.0083268	0.0083157	0.316666	-0.694338	0.0877123	2.45E-15	0.0119924	0.0120719	0.3205071	0.4358729	9	0.81748223
ENSG00000021355	6	SERPINB1	2832566	rs386713	6	2842139	T	C	0.693837	0.00570864	0.00847151	0.500399	-0.751354	0.0970038	9.51E-15	-0.0075978	0.0113176	0.5020119	0.4236633	9	0.88095299
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-1.01432	0.0808977	4.61E-36	-0.0026218	0.00810102	0.7462096	0.3722328	16	0.95252035
ENSG00000170542	6	SERPINB9	2887500	rs76086401	6	2908786	T	C	0.0964215	-0.0048292	0.0117782	0.681795	0.772034	0.131781	4.67E-09	-0.0062552	0.0152934	0.6825289	0.2104222	5	0.93468019
ENSG00000124570	6	SERPINB6	2948393	rs7743193	6	2970568	A	G	0.664016	3.95E-05	0.00821645	0.996164	0.371459	0.0417722	5.98E-19	0.00010635	0.0221194	0.9961637	0.48625	20	0.99876374
ENSG00000244041	6	LINC01011	2988201	rs9392449	6	3001431	T	C	0.186879	1.32E-05	0.00967706	0.99891	-0.536515	0.0809907	3.49E-11	-2.46E-05	0.0180369	0.9989101	0.742978	14	0.9996419
ENSG00000124588	6	NQO2	2988221	rs6925694	6	3021278	G	C	0.522863	-0.0079249	0.0081066	0.328277	0.548394	0.0646458	2.19E-17	-0.0144512	0.0148803	0.3314674	0.8302643	13	0.82473356
ENSG00000137275	6	RIPK1	3064225	rs2064310	6	3080324	A	C	0.934394	-0.0069587	0.0138303	0.614861	-0.918766	0.120424	2.36E-14	0.00757392	0.0150858	0.6156285	0.995802	6	0.91549513
ENSG00000272277	6	RP1-40E16.12	3068279	rs12663589	6	3069057	T	C	0.544732	-0.0014399	0.00827713	0.861898	-0.714562	0.0980835	3.21E-13	0.00201504	0.0115868	0.8619377	0.2636139	8	0.9761713
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	0.750592	0.0960968	5.68E-15	0.00479275	0.0136115	0.7247556	0.07076832	9	0.94553222
ENSG00000137267	6	TUBB2A	3153903	rs9328145	6	3144908	A	G	0.684891	-0.0162291	0.00864966	0.0606178	-0.336997	0.0569723	3.32E-09	0.048158	0.0269272	0.07370297	0.4184162	6	0.56880371
ENSG00000180822	6	PSMG4	3231637	rs13190845	6	3254763	G	A	0.841948	0.00883552	0.0117676	0.452754	0.534186	0.0681233	4.45E-15	0.0165402	0.0221298	0.4548125	0.1311904	12	0.86795298
ENSG00000228793	6	RP1-223B1.1	3594481	rs226967	6	3720283	A	G	0.667992	0.00948489	0.00877835	0.279925	0.629068	0.0940172	2.22E-11	0.0150777	0.0141353	0.2861216	0.09872624	5	0.79513447

ENSG00000185689	6	C6orf201	4079440	rs9328222	6	4131482	G	T	0.083499	-0.0018871	0.0118293	0.87325	0.59906	0.0841268	1.07E-12	-0.0031502	0.0197514	0.8732821	0.634216	8	0.97689669
ENSG00000198721	6	ECI2	4115923	rs7744628	6	4119996	C	T	0.333002	-0.0028412	0.00928686	0.759651	-0.445663	0.048044	1.76E-20	0.00637529	0.0208496	0.7597763	0.9963712	20	0.95684182
ENSG00000214113	6	LYRM4	5102827	rs111557465	6	5260694	T	C	0.083499	0.0242319	0.0132953	0.068366	0.882913	0.129295	8.57E-12	0.0274454	0.0155856	0.07824729	0.2174966	9	0.58021333
ENSG00000124783	6	SSR1	7268539	rs79459348	6	7238973	A	G	0.0347913	-0.0201792	0.0281112	0.472859	-1.18387	0.167583	1.61E-12	0.0170451	0.0238674	0.4751298	0.9855939	9	0.87627449
ENSG00000124784	6	RIOK1	7389729	rs3812165	6	7388766	G	A	0.384692	0.00751809	0.00843529	0.372787	-0.403658	0.0510288	2.57E-15	-0.0186249	0.0210293	0.3757994	0.9795693	20	0.83735401
ENSG00000272097	6	RP11-421M1.8	10743557	rs2275493	6	10725469	G	T	0.612326	0.00206043	0.00818584	0.801268	0.549247	0.0767335	8.20E-13	0.00375137	0.014913	0.801388	0.1948185	7	0.96613448
ENSG00000153157	6	SYCP2L	10748027	rs12190074	6	10898820	T	C	0.281312	-3.48E-05	0.00944893	0.997058	-0.440054	0.076437	8.56E-09	7.92E-05	0.0214722	0.9970577	0.8007672	11	0.99876374
ENSG00000215022	6	RP1-257A7.4	13265093	rs2496134	6	13324302	T	G	0.217694	0.0064754	0.0112456	0.564738	0.710397	0.101692	2.83E-12	0.00911518	0.0158837	0.5660557	0.5242013	11	0.89662072
ENSG00000145979	6	TBC1D7	13266774	rs538190	6	13327777	C	T	0.217694	0.00599406	0.0111849	0.592022	0.739376	0.0973933	3.16E-14	0.00810692	0.0151651	0.592943	0.02693215	20	0.90678602
ENSG00000145990	6	GFOD1	13358062	rs519890	6	13414548	A	G	0.706759	-0.0033433	0.00917791	0.715654	-0.588189	0.0565306	2.36E-25	0.00568401	0.0156132	0.7158203	0.2565679	15	0.94380637
ENSG00000124523	6	SIRT5	13574816	rs2328676	6	13576708	G	T	0.302187	0.00084972	0.00861206	0.921403	-0.723709	0.0788615	4.43E-20	-0.0011741	0.0119006	0.9214077	0.7668653	13	0.98243811
ENSG00000050393	6	MCUR1	13786789	rs3734672	6	13787578	A	G	0.212724	-0.0018601	0.0113631	0.869973	-0.446293	0.0700763	1.91E-10	0.0041678	0.0254695	0.8700154	0.2949121	7	0.9761713
ENSG00000152954	6	NRSN1	24126350	rs1533726	6	24126405	T	G	0.0715706	0.0108609	0.011808	0.357679	-1.2028	0.158125	2.81E-14	-0.0090297	0.0098886	0.3611688	0.1032129	4	0.83426107
ENSG00000112294	6	ALDH5A1	24495080	rs2817212	6	24489089	C	G	0.524851	-0.0071375	0.00812094	0.379454	-0.351756	0.0544515	1.05E-10	0.0202911	0.0232996	0.3838197	0.7328485	20	0.83932398
ENSG00000112308	6	C6orf62	24705089	rs3813687	6	24719978	A	G	0.148111	0.00757317	0.0102208	0.458721	0.562317	0.0657538	1.21E-17	0.0134678	0.0182443	0.4603983	0.6393492	13	0.87178458
ENSG00000168405	6	CMAHP	25081548	rs9356961	6	25079764	T	G	0.769384	-0.0036361	0.0106524	0.732846	-0.374943	0.0632822	3.12E-09	0.00969774	0.0284578	0.7332723	0.7499007	8	0.94830822
ENSG00000272462	6	U91328.19	25992890	rs6928951	6	25995554	T	C	0.437376	0.00043158	0.00808262	0.957416	-0.648549	0.0763014	1.90E-17	-0.0006655	0.0124629	0.9574173	0.1268049	20	0.98968811
ENSG00000186470	6	BTN3A2	26365387	rs9393703	6	26356951	C	T	0.112326	-0.0691409	0.0145391	1.98E-06	-1.12167	0.125391	3.71E-19	0.061641	0.0146798	2.68E-05	0.02127493	20	0.05492572
ENSG00000026950	6	BTN3A1	26402465	rs9467744	6	26386711	C	T	0.199801	-0.0043768	0.00996459	0.660491	0.514762	0.0872974	3.71E-09	-0.0085026	0.0194113	0.6613698	0.03709112	9	0.9296996
ENSG00000111801	6	BTN3A3	26440700	rs1624440	6	26433329	A	G	0.56163	-0.0258795	0.00809459	0.00138797	0.611413	0.0919695	2.97E-11	-0.0423274	0.0146906	0.00396089	0.5182165	20	0.27554195
ENSG00000181315	6	ZNF322	26636518	rs6919391	6	26608325	A	G	0.567594	-0.0055297	0.00810085	0.494855	-0.485859	0.0617556	3.62E-15	0.0113813	0.0167359	0.4964712	0.00969518	18	0.88088085
ENSG00000112812	6	PRSS16	27215480	rs17693963	6	27710165	C	A	0.0864811	-0.0734227	0.0171273	1.81E-05	0.960752	0.155425	6.35E-10	-0.0764221	0.0216944	0.00042724	0.3358138	20	0.16441006
ENSG00000124613	6	ZNF391	27342394	rs4713094	6	27373078	A	G	0.743539	-0.0093934	0.00832653	0.259264	0.773688	0.0634766	3.58E-34	-0.0121411	0.0108081	0.2612974	0.02662294	20	0.77529567
ENSG00000219392	6	RP1-265C24.5	28083406	rs4713141	6	28101678	C	G	0.197813	-0.0344822	0.0103452	0.0008586	-0.977358	0.0950524	8.47E-25	0.035281	0.0111271	0.00152059	0.00683142	20	0.17322719
ENSG00000226314	6	ZNF192P1	28129559	rs4713141	6	28101678	C	G	0.197813	-0.0344822	0.0103452	0.0008586	1.10618	0.106726	3.59E-25	-0.0311723	0.00982388	0.00150812	0.0208213	20	0.17322719
ENSG00000216901	6	AL022393.7	28143966	rs1233696	6	28143010	C	T	0.374751	-0.0219315	0.00881407	0.0128378	1.1514	0.0894229	6.15E-38	-0.0190477	0.00779672	0.01456419	0.00254124	20	0.37299146
ENSG00000218016	6	ZNF192P2	28155828	rs9301	6	28292706	C	T	0.380716	-0.0278165	0.00865242	0.001305	-0.587478	0.087462	1.86E-11	0.047349	0.0163281	0.00373346	0.3019735	20	0.27554195
ENSG00000197062	6	RP5-874C20.3	28234788	rs2394049	6	28239681	G	A	0.403579	-0.0294714	0.00853373	0.00055333	-0.487669	0.057515	2.27E-17	0.0604332	0.0188949	0.00138195	0.2363202	20	0.17322719
ENSG00000137338	6	PGBD1	28249314	rs853678	6	28297313	A	T	0.119284	-0.0603502	0.0158131	0.00013538	0.456465	0.0816659	2.28E-08	-0.132212	0.0419478	0.00162253	0.5408445	5	0.17322719
ENSG00000235109	6	ZSCAN31	28292470	rs3800327	6	28264928	C	G	0.055666	-0.0033137	0.018622	0.858768	1.31774	0.205639	1.47E-10	-0.0025147	0.0141372	0.8588214	0.05330314	20	0.9761713
ENSG00000187987	6	ZSCAN23	28399707	rs2859368	6	28418039	C	T	0.44831	-0.025331	0.00832773	0.00235196	0.39527	0.0530636	9.41E-14	-0.0640853	0.0227573	0.0048621	0.2270171	20	0.27554195
ENSG00000204681	6	GABBR1	29523406	rs62392941	6	29600552	T	C	0.0506958	0.0377148	0.0219599	0.0858994	0.716191	0.101581	1.78E-12	0.0526603	0.0315587	0.09518762	0.8904975	5	0.6261298
ENSG00000204642	6	HLA-F	29690552	rs12153924	6	29914089	A	G	0.312127	0.00716701	0.00851211	0.3998	0.681871	0.0809247	3.58E-17	0.0105108	0.0125456	0.4021399	0.8742179	20	0.84432082
ENSG00000214922	6	HLA-F-AS1	29694378	rs1736976	6	29773999	G	A	0.304175	-0.0038417	0.00950774	0.686169	-0.817298	0.0964515	2.38E-17	0.00470048	0.0116464	0.6865064	0.5907119	20	0.93565052
ENSG00000239257	6	RPL23AP1	29694446	rs1610649	6	29768917	C	T	0.349901	0.0044161	0.00915194	0.629428	-0.616717	0.0968833	1.95E-10	-0.0071607	0.0148823	0.6304091	0.05649199	20	0.92034788
ENSG00000273340	6	MICE	29709508	rs2535253	6	29633019	A	C	0.527833	0.00898085	0.00826666	0.277305	-0.596897	0.0976605	9.84E-10	-0.0150459	0.0140665	0.2847867	0.01478497	20	0.79513447
ENSG00000235821	6	IFITM4P	29718506	rs9261301	6	30041559	A	G	0.521869	-0.0085509	0.00805078	0.28818	-0.695013	0.0947489	2.21E-13	0.0123033	0.0117044	0.2931846	0.4358663	20	0.80429723
ENSG00000181126	6	HLA-V	29758731	rs12195207	6	29938507	T	C	0.326044	0.00740645	0.00837653	0.376594	0.928682	0.103442	2.76E-19	0.00797523	0.00906344	0.3788953	0.6728827	20	0.83846816
ENSG00000176998	6	HCG4	29758816	rs2975033	6	29822261	A	G	0.322068	0.00506143	0.00851515	0.552243	1.02689	0.0961362	1.24E-26	0.00492889	0.008305	0.5528568	0.9313179	20	0.89575241
ENSG00000204632	6	HLA-G	29794744	rs17179851	6	29924440	C	T	0.130219	-0.0133705	0.0135074	0.32224	0.897878	0.139105	1.08E-10	-0.0148912	0.0152196	0.3278636	0.6076039	20	0.82470658
ENSG00000233265	6	MICF	29820140	rs9260574	6	29922297	G	T	0.536779	0.00805693	0.00815396	0.323104	0.717332	0.101417	1.52E-12	0.0112318	0.0114774	0.3277789	0.3014999	20	0.82470658
ENSG00000230521	6	HCG4P7	29855071	rs2734960	6	29849674	C	T	0.322068	0.00606602	0.00850511	0.475709	1.06623	0.0891256	5.54E-33	0.00568922	0.00799097	0.4764917	0.5673748	20	0.87652819
ENSG00000206341	6	HLA-H	29855350	rs2734960	6	29849674	C	T	0.322068	0.00606602	0.00850511	0.475709	1.10733	0.09336	1.89E-32	0.00547806	0.00769461	0.4765052	0.155576	20	0.87652819
ENSG00000231130	6	HLA-T	29864431	rs4248140	6	29935798	C	T	0.373757	0.00880853	0.00828255	0.287553	0.68647	0.108802	2.80E-10	0.0128316	0.0122356	0.2943113	0.2871036	20	0.8051437
ENSG00000227262	6	HCG4B	29893760	rs9260867	6	29946021	A	G	0.0576541	0.0220296	0.0255633	0.388817	1.22192	0.182967	2.42E-11	0.0180287	0.0210941	0.3927281	0.8516634	20	0.84301004
ENSG00000230795	6	HLA-K	29894236	rs2247504	6	29819077	A	G	0.392644	0.00079576	0.00860228	0.926296	-0.935	0.0904027	4.52E-25	-0.0008511	0.00920067	0.926299	0.01077147	20	0.98417886
ENSG00000206503	6	HLA-A	29909037	rs2517674	6	29935806	T	G	0.2167	0.0193363	0.0103751	0.062362	-0.757822	0.0984236	1.36E-14	-0.0255156	0.014086	0.07007718	0.9722868	20	0.56309075
ENSG00000235290	6	HLA-W	29924373	rs2245961	6	29944004	A	C	0.648111	-0.0078154	0.00869063	0.368501	0.661754	0.10025	4.08E-11	-0.0118101	0.013254	0.3729003	0.6100459	20	0.83735401
ENSG00000204623	6	ZNRD1-AS1	29968788	rs3134879	6	30015905	C	T	0.390656	-0.0111296	0.00813184	0.171111	-0.395839	0.048374	2.77E-16	0.0281165	0.0208287	0.1770502	0.5613289	20	0.71439664
ENSG00000237669	6	HCG4P3	29973898	rs9261113	6	29976842	G	T	0.129225	0.0194521	0.0139902	0.164404	-0.821521	0.114546	7.39E-13	-0.0236782	0.0173467	0.1722548	0.9849516	20	0.71004558
ENSG00000204622	6	HLA-J	29974360	rs4248140	6	29935798	C	T	0.373757	0.00880853	0.00828255	0.287553	0.910204	0.0882681	6.23E-25	0.00967753	0.00914793	0.2901041	0.2609891	20	0.8005701
ENSG00000204619	6	PPP1R11	30034486	rs12663534	6	30047301	C	A	0.0377734	-0.0003568	0.0265357	0.989273	0.713962	0.0991355	5.94E-13	-0.0004997	0.0371669	0.9892726	0.6178256	20	0.99828592
ENSG00000204618	6	RNF39	30038043	rs2285805	6	30042861	G	C	0.0447316	0.0138512	0.0245041	0.571896	1.55311	0.145583	1.43E-26	0.00891836	0.0157996	0.5724352	0.911288	20	0.9004891
ENSG00000234127	6	TRIM26	30152232	rs885912	6	30174633	A	C	0.182903	-0.0251435	0.0125449	0.0450402	0.493303	0.0655352	5.18E-14	-0.0509697	0.0263165	0.05277006	0.3612922	16	0.54062926
ENSG00000231074	6	HCG18	30255174	rs1264623	6	30255365	C	A	0.291252	-0.0097098	0.00892255	0.276492	0.393994	0.0531946	1.30E-13	-0.0246446	0.0228895	0.2816252	0.09826315	9	0.79513447
ENSG00000137337	6	MDC1	30667584	rs2394392	6	30650318	G	T	0.0586481	0.0190501	0.0235738	0.419031	0.556709	0.100506	3.04E-08	0.0342191	0.0427932	0.4239197	0.6517546	5	0.8584192
ENSG00000137312	6	FLOT1	30695486	rs12527415	6	30754540	T	C	0.337972	0.0236426	0.00947228	0.0125609	-0.425082	0.0543199	5.06E-15	-0.0556189	0.0233894	0.01740914	0.3324708	17	0.38773182
ENSG00000213780	6	GTF2H4	30875961	rs114979217	6	30977515	G	A	0.0139165	0.0387902	0.051554	0.4518	1.497	0.219981	1.01E-11	0.025912	0.0346481	0.4545437	0.4207187	3	0.86795298
ENSG00000137411	6	VARS2	30876019	rs2535338	6	30804932	T	C	0.449304	-0.0025418	0.00809218	0.753437	0.587988	0.0655925	3.12E-19	-0.0043229	0.0137709	0.7535843	0.01104873	20	0.95502521
ENSG00000204540	6	PSORS1C1	31082527	rs3132558	6	31105466	G	C	0.742545	-0.0121315	0.00911022	0.18298	-0.622189	0.106006	4.37E-09	0.0194981	0.0150143	0.1940699	0.2685234	13	0.73212181
ENSG00000204536	6	CCHCR1	31110216	rs3130455	6	31125978	T	A	0.190855	-0.0232911	0.0113152	0.0395521	0.553547	0.0751876	1.81E-13	-0.0420761	0.0212252	0.04743811	0.331555	20	0.53502872
ENSG00000137310	6	TCF19	31126319	rs3130932	6	31133943	A	C	0.667992	-0.009015	0.0081957	0.271348	-0.794377	0.0859483	2.41E-20	0.0113485	0.0103899	0.2747214	0.4514862	20	0.79013639
ENSG00000204531	6	POU5F1	31132119	rs1052989	6	31146403	T	C	0.200795	0.00436351	0.00930197	0.639002	0.799112	0.116645	7.34E-12	0.00546045	0.0116676	0.639785	0.51833	20	0.92279029
ENSG00000204528	6	PSORS1C3	31141512	rs11966319	6	31229678	T	C	0.127237	0.00574136	0.00981893	0.558734	1.26833	0.144177	1.40E-18	0.00452671	0.0077587	0.5595997	0.07878157	20	0.89615301
ENSG00000272501	6	Xbac-BPG299F13.	31162977	rs9357111	6	31147916	T	C	0.385686	0.00993767	0.00806283	0.217752	-0.514822	0.0643194	1.20E-15	-0.0193031	0.015846	0.223159	0.3858429	20	0.75497764
ENSG00000206344	6	HCG27	31165537	rs3130518	6	31191709	C	T	0.877734	0.0044743	0.0113493	0.693407	0.706269	0.0811431	3.20E-18	0.00633512	0.0160858	0.6937051	0.1222071	20	0.93852872
ENSG00000204525	6	HLA-C	31236526	rs9264587	6	31236524	G	A	0.727634	0.0223077	0.00884245	0.0116423	-1.0576	0.0746098	1.31E-45	-0.0210928	0.00849225	0.0130001	0.04425376	20	0.37299146
ENSG00000231402	6	WASF5P	31255287	rs6457374	6	31272261	T	C	0.796223	0.0213735	0.00946716	0.0239673	-0.732325	0.0974835	5.81E-14	-0.0291858	0.0134987	0.03060898	0.3605075	20	0.46979625
ENSG00000234745	6	HLA-B	31321649	rs2523570	6	31329734	T	C	0.2167	0.00376804	0.0127629	0.767816	0.567425	0.0846301	2.02E-11	0.0066406	0.0225145	0.7680336	0.08594282	17	0.95821133
ENSG00000271581	6	Xbac-BPG248L24.	31324424	rs2523585	6	31327504	C	T	0.724652	0.0189114	0.00899775	0.0355721	-1.07342	0.0955562	2.80E-29	-0.0176179	0.00852778	0.03883398	0.00138936	20	0.50536048
ENSG00000204520	6	MICA	31371356	rs4959071	6	31346436	C	T	0.172962	-0.0060522	0.0102891	0.556388	1.16783	0.130582	3.78E-19	-0.0051824	0.00882948	0.5572409	0.08331859	20	0.89575241
ENSG00000204516	6	MICB	31462658	rs2246618	6	31478986	T	C	0.262425	-0.0046618	0.00881712	0.597	1.1895	0.0908143	3.37E-39	-0.0039191	0.0074185	0.597298	0.00618646	20	0.90850217
ENSG00000204463	6	BAG6	31606805	rs2844462	6	31651247	A	G	0.0477137	0.0166426	0.0270633	0.538587	0.913848	0.105154	3.61E-18	0.0182116	0.0296887	0.5396006	0.1449317	17	0.88806557
ENSG00000240053	6	LY6G5B	31637944	rs1266073	6	31667028	A	C	0.297217	-0.0199677	0.00827981	0.0158818	-0.322173	0.0427834	5.06E-14	0.0619782	0.0269856	0.02163532	0.06103349	20	0.4128198
ENSG00000204428	6	LY6G5C	31644461	rs805290	6	31648403	T	C	0.296223	-0.0197443	0.00827973	0.017095	-1.01557	0.064324	3.74E-56	0.0194416	0.00824526	0.01837807	0.00967347	20	0.39696075
ENSG00000213722	6	DDAH2	31694815	rs1144708	6	31710020	T	C	0.361829	-0.0306625	0.00809245	0.00015124	-0.242309	0.0420166	8.07E-09	0.126543	0.0399607	0.00154186	0.7216209	11	0.17322719
ENSG00000204351	6	SKIV2L	31926857	rs389512	6	31947594	C	G	0.141153	0.0286202	0.0154248	0.0635287	0.72199	0.0773893	1.07E-20	0.0396407	0.0217827	0.06878587	0.3362217	17	0.56129172
ENSG00000244731	6	C4A	31949801	rs1265905	6	31909941	G	A	0.0725646	-0.0417551	0.0141302	0.00312637	-1.36582	0.157768	4.84E-18	0.0305715	0.0109317	0.00516445	0.2779026	20	0.27554195
ENSG00000204338	6	CYP21A1P	31973413	rs204883	6	32032743	A	G	0.446322	0.0142627	0.00811013	0.0786412	0.800376	0.0975901	2.38E-16	0.01782	0.0103632	0.08551616	0.2478655	20	0.59548107
ENSG00000250535	6	STK19P	31981047	rs12197599	6	32127019	T	C	0.026839	-0.0360934	0.0228903	0.114842	2.26469	0.354884	1.75E-10	-0.0159375	0.0104115	0.1258282	0.5960354	20	0.66875442
ENSG00000231852	6	CYP21A2	32006042	rs9275576	6	32679326	T	C	0.10338	-0.0333265	0.0134759	0.0133965	1.1287	0.165862	1.01E-11	-0.0295264	0.0127033	0.02010851	0.4036679	20	0.40541454
ENSG00000204308	6	RNF5	32146131	rs3131300	6	32151934	G	A	0.16004	-0.0342261	0.0114347	0.0027609	-0.580213	0.0756342	1.70E-14	0.0589889	0.0211548	0.00529626	0.00737673	20	0.27554195
ENSG00000198502	6	HLA-DRB5	32485120	rs35083819	6	32526526	G	A	0.852883	-0.0208016	0.0113742	0.0674249	-1.35323	0.116308	2.74E-31	0.0153718	0.00850843	0.07081563	0.6008438	20	0.56569679
ENSG00000229391	6	HLA-DRB6	32520490	rs9271403	6	32587536	G	A	0.354871	0.00645261	0.008553	0.450593	0.814142	0.0810658	9.86E-24	0.00792566	0.0105351	0.4518665	0.03069343	20	0.86795298
ENSG00000196126	6	HLA-DRB1	32546546	rs9271440	6	32588240	T	C	0.609344	0.00791435	0.00808196	0.327451	-0.596965	0.0814176	2.27E-13	-0.0132576	0.0136586	0.3317263	0.9483151	20	0.82473356
ENSG00000179344	6	HLA-DQB1	32627244	rs9273319	6	32623050	T	C	0.40159	-0.0055815	0.00806535	0.488918	-0.934244	0.086583	3.83E-27	0.00597432	0.00865076	0.4898095	1	20	0.87932853
ENSG00000237541	6	HLA-DQA2	32709119	rs9272358	6	32604538	A	G	0.370775	-0.0062262	0.00858014	0.46805	0.94676	0.0964745	9.84E-23	-0.0065763	0.00908738	0.4692628	0.9485246	20	0.87410862
ENSG00000232629	6	HLA-DQB2	32723875	rs9273412	6	32627263	C	T	0.515905	-0.0056306	0.00807567	0.485661	0.724043	0.100944	7.35E-13	-0.0077766	0.0112061	0.4877093	1	20	0.87851987
ENSG00000241106	6	HLA-DOB	32780540	rs2621326	6	32783896	A	G	0.440358	-0.0062316	0.00806924	0.43996	-0.816011	0.0904299	1.82E-19	0.00763661	0.00992479	0.4416272	0.05195431	20	0.86509955
ENSG00000204267	6	TAP2	32789610	rs4148868	6	32806584	A	G	0.465209	0.00572742	0.00819393	0.484563	0.64417	0.0959103	1.86E-11	0.00889116	0.0127888	0.4869121	0.1531773	16	0.87851987
ENSG00000204257	6	HLA-DMA	32916390	rs73409691	6	32963948	T	G	0.0516899	-0.0240632	0.0157567	0.126717	1.76787	0.171584	6.81E-25	-0.0136114	0.00901019	0.130873	0.5953984	20	0.67376577
ENSG00000204256	6	BRD2	32936437	rs116351251	6	32931434	C	T	0.05666	0.0181571	0.0198239	0.35971	-0.626376	0.100657	4.88E-10	-0.0289875	0.0319895	0.3648528	0.4725159	8	0.83426107
ENSG00000204252	6	HLA-DOA	32971955	rs381218	6	32977420	T	G	0.252485	0.0196728	0.00895179	0.027975	-0.93665	0.0902949	3.28E-25	-0.0210034	0.00976937	0.03156151	0.370898	20	0.48081438
ENSG00000231389	6	HLA-DPA1	33032346	rs13213265	6	33039755	C	T	0.186879	-0.0185315	0.0129306	0.151817	-0.850328	0.102184	8.68E-17	0.0217934	0.0154305	0.1578444	0.9999549	20	0.69778463
ENSG00000231461	6	HLA-DPA2	33059530	rs9469357	6	33074617	T	C	0.0437376	0.0333791	0.0581875	0.566207	1.55036	0.233888	3.39E-11	0.0215299	0.0376719	0.5676532	0.1813632	20	0.89699675
ENSG00000224557	6	HLA-DPB2	33080228	rs3116971	6	33115062	T	C	0.416501	-0.0055721	0.00812795	0.493	1.01548	0.0843744	2.31E-33	-0.0054871	0.00801702	0.4937006	0.09097695	20	0.88088085
ENSG00000237398	6	HLA-DPA3	33098993	rs3130150	6	33114678	C	T	0.56163	0.00600116	0.00818769	0.46359	0.790301	0.102996	1.68E-14	0.00759351	0.0104074	0.4656176	0.1833442	20	0.87247413
ENSG00000230313	6	HCG24	33112560	rs9277791	6	33100487	A	G	0.144135	0.0213132	0.011066	0.0541041	1.01155	0.132693	2.47E-14	0.0210698	0.0112834	0.06185528	0.1040482	20	0.5534562
ENSG00000204248	6	COL11A2	33130458	rs721846	6	33123679	G	A	0.560636	0.00620589	0.00818825	0.44851	0.644453	0.0828004	7.07E-15	0.0096297	0.0127658	0.4506487	0.1731072	20	0.86795298
ENSG00000204228	6	HSD17B8	33172419	rs421446	6	33174783	G	A	0.308151	0.0171688	0.00898923	0.0561423	-0.35587	0.0651854	4.78E-08	-0.0482446	0.0267611	0.07142117	0.7920522	17	0.56831836
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.769935	0.0697938	2.69E-28	-0.0129121	0.0232666	0.5789217	0.1216824	18	0.9004891
ENSG00000137288	6	UQCC2	33662070	rs2281831	6	33695815	A	G	0.185885	0.0242989	0.0117447	0.0385532	-0.328747	0.0539736	1.12E-09	-0.0739137	0.0377304	0.05011338	0.3480127	15	0.53502872
ENSG00000161904	6	LEMD2	33738979	rs2281831	6	33695815	A	G	0.185885	0.0242989	0.0117447	0.0385532	-0.360737	0.0521739	4.71E-12	-0.067359	0.0339839	0.04746927	0.050835	20	0.53502872
ENSG00000124493	6	GRM4	33989628	rs2451359	6	34026938	T	C	0.918489	-0.0088868	0.0129939	0.494026	-0.961364	0.141443	1.07E-11	0.00924393	0.0135844	0.4961986	0.5576839	3	0.88088085
ENSG00000196821	6	C6orf106	34555065	rs6907508	6	34592090	G	A	0.101392	-0.0208612	0.0102027	0.0408865	0.316976	0.0502123	2.74E-10	-0.0658132	0.0338339	0.0517528	0.6135792	11	0.54031379
ENSG00000065060	6	UHRF1BP1	34759857	rs137931729	6	34731686	G	A	0.335984	-0.0087725	0.00857096	0.306062	0.348776	0.0340525	1.28E-24	-0.0251524	0.0246968	0.3084658	0.03566794	20	0.80979683
ENSG00000096063	6	SRPK1	35800743	rs659532	6	35887273	G	C	0.323062	-0.0079752	0.00854342	0.350567	0.205642	0.0377088	4.94E-08	-0.0387819	0.0421494	0.3575171	0.4659405	8	0.83426107
ENSG00000112053	6	SLC26A8	35911291	rs2395649	6	35977862	C	T	0.399602	-0.015582	0.00818613	0.056981	-0.588961	0.071989	2.81E-16	0.0264568	0.0142705	0.06374681	0.3570504	12	0.56029797
ENSG00000112062	6	MAPK14	35995488	rs9296174	6	36090015	C	T	0.559642	0.0182678	0.00813284	0.0246928	0.287055	0.0501454	1.04E-08	0.0636387	0.030435	0.03653072	0.9922942	5	0.50417602
ENSG00000156711	6	MAPK13	36095586	rs664367	6	36019227	G	A	0.567594	0.0180608	0.0080994	0.0257543	-0.695601	0.066984	2.91E-25	-0.0259643	0.0119092	0.02924292	0.2856556	20	0.45914746
ENSG00000246982	6	RP1-179N16.6	36114475	rs1059227	6	36098410	C	A	0.644135	-0.0167927	0.00930001	0.0709708	-0.600246	0.0830054	4.78E-13	0.0279764	0.0159694	0.07979501	0.08799598	7	0.58497308
ENSG00000164530	6	PI16	36922209	rs62406522	6	36923115	T	C	0.164016	-0.0103726	0.0122813	0.398345	0.794555	0.119061	2.50E-11	-0.0130546	0.0155801	0.4020862	0.6066038	6	0.84432082
ENSG00000112130	6	RNF8	37321748	rs9394432	6	37348316	G	A	0.472167	-0.0009517	0.00829526	0.908662	-0.279536	0.0376543	1.14E-13	0.00340452	0.0296786	0.9086727	0.1367813	6	0.98098987
ENSG00000198937	6	CCDC167	37450696	rs1757177	6	37486370	T	C	0.640159	-0.0157799	0.00813916	0.0525303	0.307867	0.0541727	1.32E-08	-0.0512556	0.0279333	0.0665168	0.7160625	9	0.56065982
ENSG00000204091	6	TDRG1	40302693	rs35167332	6	40316316	G	A	0.177932	0.00270698	0.0105566	0.797623	-0.707817	0.0896439	2.88E-15	-0.0038244	0.0149222	0.7977267	0.2474101	14	0.96408387
ENSG00000204092	6	LINC00951	40312083	rs36074079	6	40316109	A	G	0.183897	0.00120718	0.0104555	0.908082	-0.672188	0.0851715	2.97E-15	-0.0017959	0.0155561	0.9080912	0.3960339	15	0.98098987
ENSG00000226070	6	RP11-552E20.4	40326483	rs36074079	6	40316109	A	G	0.183897	0.00120718	0.0104555	0.908082	-0.708605	0.109843	1.11E-10	-0.0017036	0.0147574	0.9080961	0.3333701	6	0.98098987
ENSG00000156564	6	LRFN2	40359325	rs72859110	6	40315474	T	G	0.181909	0.00167754	0.0104638	0.87263	-0.841249	0.0973087	5.37E-18	-0.0019941	0.0124405	0.8726519	0.559201	14	0.97689669
ENSG00000001167	6	NFYA	41040684	rs62396346	6	41111492	G	A	0.132207	0.00945589	0.013617	0.48742	0.435022	0.0732797	2.91E-09	0.0217366	0.0315153	0.4903732	0.9294895	3	0.87945268
ENSG00000161912	6	ADCY10P1	41068761	rs2294694	6	41046177	A	G	0.319085	0.00014123	0.00851268	0.986763	0.510809	0.0722361	1.53E-12	0.00027649	0.0166651	0.9867629	0.442311	16	0.99698086
ENSG00000112561	6	TFEB	41651716	rs55866330	6	41694623	T	C	0.114314	0.00482478	0.013061	0.711828	0.650107	0.0842365	1.19E-14	0.00742152	0.0201135	0.7121418	0.00430142	12	0.94276983
ENSG00000137218	6	FRS3	41737914	rs12530404	6	41728161	T	C	0.323062	-0.0252739	0.00896451	0.00481249	0.409825	0.048611	3.44E-17	-0.06167	0.0230647	0.00750008	0.6379451	13	0.3240071
ENSG00000124641	6	MED20	41873092	rs3804281	6	41745989	G	A	0.54175	-0.0172381	0.00805989	0.0324556	0.388449	0.0678053	1.01E-08	-0.0443767	0.0221477	0.0451049	0.3262158	12	0.52660935
ENSG00000261068	6	RP11-7K24.3	42059976	rs80342388	6	42092898	A	G	0.0149105	0.0194064	0.0334007	0.561228	2.01483	0.360682	2.32E-08	0.00963178	0.0166669	0.5633314	0.1331798	5	0.89657901
ENSG00000188112	6	C6orf132	42068856	rs80342388	6	42092898	A	G	0.0149105	0.0194064	0.0334007	0.561228	2.04663	0.330131	5.67E-10	0.00948212	0.0163914	0.5629382	0.05704714	3	0.89657901
ENSG00000112599	6	GUCA1B	42152139	rs13197564	6	42184400	T	C	0.637177	0.00399486	0.00886038	0.652085	0.637773	0.0734308	3.78E-18	0.00626376	0.0139114	0.6525219	0.03474803	9	0.92725626
ENSG00000112619	6	PRPH2	42664340	rs13214506	6	42672574	A	G	0.256461	-0.011786	0.00938047	0.208955	1.06359	0.0923021	1.01E-30	-0.0110813	0.0088719	0.2116515	0.1007772	20	0.74515605
ENSG00000146223	6	RPL7L1	42847356	rs9471941	6	42857827	G	A	0.26839	-0.0074257	0.0106047	0.483787	-0.318262	0.0517658	7.84E-10	0.0233321	0.0335361	0.4865977	0.9518043	6	0.87851987
ENSG00000124713	6	GNMT	42928496	rs10948059	6	42928461	T	C	0.487078	-0.0003423	0.00824163	0.966874	-0.573403	0.0668922	1.02E-17	0.0005969	0.0143734	0.9668747	0.9905634	11	0.99005812
ENSG00000124587	6	PEX6	42931608	rs9462857	6	42943098	C	T	0.461233	-0.0003489	0.00832965	0.966589	0.348052	0.0455737	2.22E-14	-0.0010025	0.0239326	0.9665894	0.7879506	10	0.99005812
ENSG00000137216	6	TMEM63B	44094651	rs4714761	6	44117607	T	C	0.0755467	-0.0161988	0.0151619	0.285345	0.943232	0.10382	1.03E-19	-0.0171737	0.0161852	0.2886549	0.2734466	10	0.79764517
ENSG00000146221	6	TCTE1	44246480	rs325001	6	44270936	T	C	0.552684	-0.0071476	0.00805661	0.374985	-0.491477	0.068095	5.29E-13	0.0145431	0.016516	0.3785635	0.2660162	11	0.83846816
ENSG00000196284	6	SUPT3H	44777054	rs11961316	6	45029598	C	T	0.284294	0.00218665	0.00913485	0.810816	0.907572	0.0881905	7.73E-25	0.00240934	0.0100679	0.8108654	0.3482037	20	0.96881317
ENSG00000112796	6	ENPP5	46126924	rs2235881	6	46129345	A	G	0.534791	0.0202999	0.00806528	0.0118378	-0.634698	0.0525405	1.34E-33	-0.0319836	0.0129802	0.01373832	0.1901722	16	0.37299146
ENSG00000153291	6	SLC25A27	46620678	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	0.963703	0.0772905	1.11E-35	0.0244449	0.00946535	0.00980687	0.7156534	20	0.34446388
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.860662	0.0748725	1.40E-30	-0.0273715	0.0106386	0.01008679	0.7391732	20	0.34446388
ENSG00000146070	6	PLA2G7	46671938	rs1421378	6	46703513	G	A	0.395626	0.0179181	0.00848555	0.0347208	0.653724	0.0899588	3.68E-13	0.0274093	0.0135172	0.04258777	0.06540811	14	0.52409814
ENSG00000270761	6	RP11-385F7.1	47444979	rs9369717	6	47554468	G	T	0.244533	0.00231688	0.0100135	0.817023	-0.903497	0.0981579	3.43E-20	-0.0025644	0.0110865	0.8170797	0.7398924	14	0.96881317
ENSG00000153294	6	GPR115	47653600	rs1385743	6	47637482	G	T	0.627237	-0.0004002	0.00817282	0.960948	0.605287	0.0813879	1.03E-13	-0.0006611	0.0135027	0.960949	0.3066547	14	0.98968811
ENSG00000146085	6	MUT	49398073	rs77090718	6	49100107	A	G	0.0159046	0.00122496	0.0333375	0.970689	1.33033	0.200656	3.36E-11	0.00092079	0.02506	0.9706894	0.2476593	9	0.99049771
ENSG00000031691	6	CENPQ	49431091	rs6908203	6	49420206	C	T	0.445328	0.00488169	0.00803718	0.543593	-0.484658	0.0702917	5.39E-12	-0.0100724	0.0166474	0.5451489	0.3727786	8	0.89182443
ENSG00000197261	6	C6orf141	49518113	rs11758292	6	49554928	A	G	0.322068	0.028178	0.00885706	0.00146555	-0.830811	0.088268	4.85E-21	-0.0339163	0.0112533	0.00257906	0.07600937	20	0.24020464
ENSG00000170915	6	PAQR8	52226219	rs567084	6	52211294	G	T	0.533797	0.00093313	0.0081144	0.908448	0.296355	0.0493595	1.93E-09	0.00314869	0.0273857	0.9084643	0.6615573	10	0.98098987
ENSG00000216775	6	RP1-152L7.5	52529946	rs1513356	6	52529046	G	C	0.713718	0.0105628	0.00889226	0.234886	-0.811994	0.080798	9.22E-24	-0.0130085	0.0110274	0.2381384	0.06992893	16	0.76262019
ENSG00000146147	6	MLIP	53794780	rs12193439	6	53878891	G	A	0.409543	-0.001443	0.00828881	0.861795	-0.868112	0.0819737	3.31E-26	0.00166222	0.00954938	0.8618141	0.2896408	15	0.9761713
ENSG00000124749	6	COL21A1	55921388	rs72645374	6	56144358	C	T	0.107356	0.0148685	0.012251	0.224879	1.28164	0.149461	9.90E-18	0.0116012	0.00965411	0.2294875	0.8321247	20	0.75838827
ENSG00000151917	6	BEND6	56819773	rs9357934	6	56841399	A	G	0.754473	-0.0011437	0.00868048	0.895183	0.489477	0.0513618	1.57E-21	-0.0023365	0.0177359	0.8951923	0.5932615	20	0.98098987
ENSG00000168116	6	KIAA1586	56911347	rs9382689	6	57053519	A	G	0.242545	0.00400684	0.00859469	0.641072	-0.392808	0.0656757	2.22E-09	-0.0102005	0.0219465	0.6420821	0.9799262	3	0.92466301
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs6915273	6	58283185	T	C	0.373757	-0.0078325	0.00860069	0.362463	-0.47925	0.0523609	5.55E-20	0.0163432	0.0180348	0.3648263	0.493888	20	0.83426107
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs4928441	6	58169503	G	A	0.712724	0.001982	0.00874442	0.820689	0.445166	0.0535495	9.32E-17	0.00445227	0.0196504	0.8207545	0.4793974	13	0.96917311
ENSG00000215190	6	LINC00680	58272352	rs3895119	6	58276833	T	C	0.718688	0.00100565	0.0087089	0.908069	-1.04405	0.0970435	5.40E-27	-0.0009632	0.00834194	0.9080748	0.9644714	20	0.98098987
ENSG00000112232	6	KHDRBS2	62389865	rs1204126	6	62402025	T	G	0.719682	-0.0055079	0.00927434	0.552593	-0.438641	0.0801943	4.51E-08	0.0125566	0.0212676	0.5549154	0.9288075	14	0.89575241

ENSG00000271967	6	RP11-134K13.4	71306141	rs6925112	6	71303798	A	G	0.383698	-0.0090708	0.00815759	0.26616	-0.475821	0.0608787	5.46E-15	0.0190635	0.0173169	0.2709566	0.8937942	13	0.78416677
ENSG00000119900	6	OGFRL1	71998506	rs866142	6	72048250	G	A	0.400596	-0.0049057	0.00850322	0.563991	-0.787075	0.0669556	6.64E-32	0.00623284	0.0108166	0.5644596	0.08037681	20	0.89657901
ENSG00000251360	6	KHDC1P1	73918806	rs7751361	6	73874976	G	A	0.733598	0.00083295	0.00846626	0.921627	-0.866502	0.133406	8.29E-11	-0.0009613	0.00977174	0.921636	0.5092204	11	0.98243811
ENSG00000256980	6	KHDC1L	73933267	rs6904505	6	73955930	C	G	0.225646	-0.0013648	0.00967288	0.887798	0.56803	0.0768979	1.50E-13	-0.0024026	0.0170319	0.8878181	0.9589186	20	0.97855798
ENSG00000234882	6	EIF3EP1	74001685	rs16883564	6	74010614	G	A	0.0765408	-0.0095814	0.0124164	0.440307	0.892407	0.129596	5.73E-12	-0.0107366	0.0140005	0.4431581	0.9175255	8	0.86726929
ENSG00000203908	6	KHDC3L	74072400	rs510551	6	73972946	T	G	0.793241	-0.0081151	0.00932783	0.384305	-0.514339	0.0777772	3.77E-11	0.0157778	0.0182918	0.3883801	0.4220524	6	0.84300565
ENSG00000118407	6	FILIP1	76001575	rs2842462	6	76010158	C	T	0.407555	-0.0080316	0.00820415	0.327597	0.514776	0.0748603	6.13E-12	-0.0156021	0.016098	0.3324488	0.9200074	15	0.82518182
ENSG00000196586	6	MYO6	76458909	rs62414802	6	76598635	C	T	0.298211	0.0180501	0.00929218	0.0520763	0.407536	0.0583435	2.85E-12	0.0442908	0.0236661	0.06127775	0.4433715	8	0.55267744
ENSG00000146243	6	IRAK1BP1	79577189	rs9361459	6	79572922	G	A	0.412525	-0.0159876	0.00807981	0.0478487	-0.596933	0.0681555	1.98E-18	0.0267829	0.0138767	0.05359853	0.318431	20	0.54502922
ENSG00000112773	6	FAM46A	82201156	rs9689086	6	82663152	A	C	0.425447	-0.0007832	0.00830462	0.924859	-0.616285	0.0790995	6.63E-15	0.00127092	0.0134763	0.9248645	0.00959656	11	0.98393256
ENSG00000065833	6	ME1	83920108	rs13220730	6	84092546	C	T	0.243539	0.0163652	0.00970276	0.0916685	0.516946	0.0874745	3.43E-09	0.0316575	0.0195189	0.1048268	0.8538927	9	0.63826532
ENSG00000220563	6	PKMP3	86369610	rs4348284	6	86350394	T	C	0.420477	-0.0299646	0.00805458	0.00019907	-0.438207	0.0694038	2.72E-10	0.06838	0.0213341	0.0013497	0.6855908	17	0.17322719
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.631651	0.0708068	4.63E-19	0.049803	0.0139032	0.00034082	0.6023948	20	0.16441006
ENSG00000111850	6	SMIM8	88032301	rs55766318	6	88090910	A	G	0.116302	0.00813805	0.0120893	0.500845	0.788266	0.0746072	4.30E-26	0.010324	0.0153677	0.5017115	0.3387943	20	0.88095299
ENSG00000261366	6	MANEA-AS1	96023059	rs9400770	6	96024424	A	G	0.62326	0.00210712	0.00809436	0.794617	-0.343634	0.0598752	9.51E-09	-0.0061319	0.0235794	0.7948235	0.1206249	4	0.96375538
ENSG00000172469	6	MANEA	96025419	rs10782175	6	96007343	C	T	0.683897	0.00332696	0.00865709	0.700753	0.405597	0.057874	2.41E-12	0.00820262	0.0213761	0.7011799	0.02633368	15	0.94116663
ENSG00000014123	6	UFL1	96969471	rs9285393	6	97020917	A	C	0.239563	-0.0001477	0.0102925	0.988549	0.297134	0.0520957	1.17E-08	-0.0004971	0.0346394	0.988549	0.3076841	6	0.99780143
ENSG00000123545	6	NDUFAF4	97337189	rs12202527	6	97354319	A	G	0.132207	0.0113579	0.0122035	0.352006	0.439526	0.0531977	1.43E-16	0.0258412	0.0279407	0.3550393	0.8062715	11	0.83426107
ENSG00000228506	6	RP11-98I9.4	99872798	rs4840044	6	99888013	G	A	0.493042	-0.0012041	0.00807225	0.881422	0.808983	0.0819587	5.58E-23	-0.0014884	0.00997941	0.8814356	0.3014624	20	0.97689669
ENSG00000272017	6	RP1-199J3.7	100015973	rs7754710	6	99986195	T	C	0.614314	0.00476575	0.00823915	0.562976	-0.265906	0.047548	2.24E-08	-0.0179227	0.0311505	0.5650492	0.9183638	7	0.89657901
ENSG00000219755	6	RP1-199J3.5	100023588	rs330818	6	100038843	T	C	0.807157	0.0101427	0.00879985	0.249074	0.954944	0.133274	7.76E-13	0.0106213	0.0093335	0.2551329	0.910338	20	0.77529567
ENSG00000085382	6	HACE1	105175968	rs2499660	6	105285750	C	T	0.515905	-0.0033317	0.00807326	0.679836	0.41632	0.0431899	5.46E-22	-0.0080028	0.0194097	0.6801127	0.4130643	19	0.93468019
ENSG00000130348	6	QRSL1	107077453	rs2054365	6	107077502	A	G	0.383698	-0.0065645	0.00831098	0.429614	-0.71522	0.0564489	8.65E-37	0.00917823	0.0116427	0.4305081	0.7335349	20	0.86250564
ENSG00000229654	6	RP1-60O19.2	107143410	rs3121434	6	107128371	G	T	0.387674	-0.0016004	0.00824144	0.84603	0.762512	0.0874633	2.83E-18	-0.0020988	0.010811	0.8460672	0.5713755	20	0.97584672
ENSG00000081087	6	OSTM1	108362613	rs11963336	6	108376152	T	C	0.235586	-0.0238857	0.00915463	0.00907695	0.251458	0.044919	2.17E-08	-0.0949888	0.0401663	0.01803553	0.1988813	8	0.39313618
ENSG00000135537	6	LACE1	108616098	rs1537860	6	108694275	T	C	0.850895	-0.0185025	0.0112776	0.100871	-0.451496	0.0761326	3.02E-09	0.0409804	0.0259165	0.1138217	0.3890109	11	0.65668723
ENSG00000118690	6	ARMC2	109169619	rs2768556	6	109258649	C	T	0.247515	0.00667565	0.0101843	0.512157	0.582578	0.0544861	1.11E-26	0.0114588	0.0175143	0.5129468	0.4399237	20	0.88570698
ENSG00000155085	6	AK9	109814059	rs9487069	6	109679855	G	T	0.420477	-0.01872	0.00810749	0.0209455	-0.628554	0.0713354	1.24E-18	0.0297826	0.0133342	0.02551201	0.9656523	20	0.43744024
ENSG00000053328	6	METTL24	110567131	rs4945854	6	110679062	G	T	0.894632	-0.0467437	0.0131289	0.00037034	1.19473	0.154073	8.88E-15	-0.0391249	0.012092	0.00121384	0.8892487	9	0.17322719
ENSG00000203797	6	DDO	110712974	rs6933664	6	110736384	G	T	0.32008	-0.004823	0.00823957	0.558316	0.559874	0.0775752	5.31E-13	-0.0086144	0.0147652	0.5596036	0.2112157	20	0.89615301
ENSG00000009413	6	REV3L	111620234	rs7741557	6	111755904	G	A	0.791252	0.012199	0.00904052	0.17722	-0.332112	0.0599138	2.97E-08	-0.0367316	0.0280162	0.1898299	0.4334604	6	0.72847268
ENSG00000255389	6	C6orf3	111921078	rs7766190	6	111905066	C	T	0.638171	-0.0042906	0.00840038	0.609514	-0.593676	0.0727954	3.48E-16	0.00722723	0.0141775	0.6102144	0.299791	14	0.91431759
ENSG00000203778	6	FAM229B	112408802	rs6940134	6	112417353	A	G	0.499006	0.00213896	0.0081114	0.792012	0.456336	0.0566758	8.17E-16	0.00468725	0.0177846	0.7921215	0.04670645	13	0.96375538
ENSG00000237021	6	RP3-486I3.7	116575370	rs11153606	6	116607576	T	A	0.220676	-0.0113035	0.00878074	0.197989	-0.68603	0.122908	2.38E-08	0.0164767	0.0131353	0.2097048	0.4776082	4	0.74515605
ENSG00000189241	6	TSPYL1	116597741	rs1204861	6	116588910	G	A	0.22167	-0.01119	0.0087791	0.202445	0.41814	0.0651012	1.34E-10	-0.0267614	0.021405	0.2112128	0.4440321	5	0.74515605
ENSG00000111860	6	CEP85L	118781935	rs11153773	6	119035086	T	C	0.322068	-0.0072947	0.00848833	0.390134	-0.409805	0.0608577	1.65E-11	0.0178003	0.0208811	0.3939588	0.1142791	6	0.84349173
ENSG00000188580	6	NKAIN2	124125286	rs802303	6	124552150	G	A	0.713718	-0.0069002	0.00909315	0.447953	-0.408878	0.0675859	1.45E-09	0.0168759	0.0224135	0.4514903	0.9993637	7	0.86795298
ENSG00000111907	6	TPD52L1	125440195	rs959905	6	125577045	T	C	0.461233	-0.0007136	0.00825754	0.931132	-0.550399	0.0830093	3.34E-11	0.00129655	0.0150041	0.931138	0.6986048	17	0.98497768
ENSG00000237742	6	RP11-624M8.1	125899704	rs9398788	6	126092158	G	C	0.597416	-0.0084147	0.00813835	0.301158	-0.480547	0.0746974	1.25E-10	0.0175106	0.0171529	0.307324	0.8370244	20	0.80835286
ENSG00000197594	6	ENPP1	132129156	rs12201710	6	132142898	A	G	0.224652	0.0120508	0.0104215	0.247541	-0.545959	0.0831938	5.29E-11	-0.0220727	0.0193825	0.254788	0.09984182	5	0.77529567
ENSG00000079931	6	MOXD1	132617194	rs56336490	6	132713607	G	A	0.177932	0.0131247	0.0104299	0.208256	-0.690833	0.125772	3.96E-08	-0.0189984	0.0154887	0.2199748	0.4302108	4	0.75497764
ENSG00000146411	6	SLC2A12	134309835	rs2811684	6	134365785	G	A	0.518887	-0.0018802	0.00808951	0.816209	0.42576	0.0645019	4.09E-11	-0.0044161	0.0190119	0.8163202	0.2174054	4	0.96881317
ENSG00000118514	6	ALDH8A1	135238528	rs4440481	6	135276696	C	T	0.424453	0.00070948	0.00806854	0.929931	-0.958806	0.0650664	3.80E-49	-0.00074	0.00841535	0.9299324	0.1895898	20	0.98455434
ENSG00000232876	6	CTA-212D2.2	135376171	rs9376085	6	135371224	C	T	0.491054	0.00083944	0.00813756	0.917839	-0.787232	0.0972736	5.82E-16	-0.0010663	0.0103378	0.9178461	0.3197009	20	0.98098987
ENSG00000135541	6	AHI1	135604670	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.813282	0.0706499	1.16E-30	-0.0054779	0.0128645	0.6702442	0.5026519	18	0.93167988
ENSG00000234084	6	RP3-388E23.2	135622706	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.789807	0.0691218	3.09E-30	-0.0056407	0.013247	0.6702474	0.5338421	18	0.93167988
ENSG00000197442	6	MAP3K5	136878185	rs59122276	6	137099067	T	C	0.0377734	-0.0365789	0.0310503	0.238776	-1.30754	0.212616	7.76E-10	0.0279754	0.0241789	0.247266	0.9070142	6	0.77232932
ENSG00000051620	6	HEBP2	138724668	rs1928278	6	138718523	A	G	0.0626243	-0.0027486	0.0194798	0.887793	-1.24449	0.141036	1.11E-18	0.00220858	0.0156548	0.8878072	0.9452238	12	0.97855798
ENSG00000135540	6	NHSL1	138743180	rs9484174	6	138897613	T	G	0.0705765	-0.0019544	0.0151629	0.89744	0.870232	0.126234	5.43E-12	-0.0022459	0.017427	0.8974581	0.5867597	4	0.98098987
ENSG00000225177	6	RP11-390P2.4	139013685	rs9402989	6	139021866	T	G	0.369781	-0.0101934	0.00855214	0.233296	0.551482	0.0744742	1.31E-13	-0.0184836	0.0157072	0.239289	0.7376637	20	0.76430734
ENSG00000135597	6	REPS1	139224630	rs113946892	6	139261711	G	A	0.0815109	-0.022684	0.0180167	0.208011	-1.06837	0.106479	1.08E-23	0.0212323	0.016996	0.2115711	0.468017	3	0.74515605
ENSG00000234147	6	RP3-460G2.2	141167095	rs664281	6	141168192	T	C	0.656064	-0.0069683	0.00843737	0.408868	-0.857496	0.0869901	6.37E-23	0.00812636	0.00987402	0.4105056	0.9353426	20	0.85000195
ENSG00000189007	6	ADAT2	143743969	rs2496595	6	143741498	T	C	0.312127	0.0133579	0.00919238	0.146181	0.451713	0.0619271	3.00E-13	0.0295717	0.0207499	0.1541156	0.7047875	7	0.69271049
ENSG00000235652	6	RP11-545I5.3	146136048	rs62435775	6	146136415	C	G	0.333002	0.00280221	0.00827967	0.735028	0.460497	0.0647177	1.12E-12	0.00608519	0.0180002	0.7353161	0.9425206	16	0.94830822
ENSG00000111962	6	UST	149068464	rs17665064	6	149226781	G	A	0.252485	-0.0028003	0.00952208	0.76869	-0.695692	0.118418	4.23E-09	0.00402526	0.0137043	0.7689709	0.6491661	3	0.95840716
ENSG00000228408	6	RP1-111D6.3	149539062	rs9377197	6	149533668	A	C	0.301193	-0.0087501	0.00926899	0.345159	0.835694	0.0851654	9.94E-23	-0.0104705	0.0111426	0.34738	0.3830199	13	0.83151045
ENSG00000220848	6	RPS18P9	149915220	rs9331657	6	149890053	C	T	0.447316	0.00465539	0.008087	0.564842	0.435598	0.0737251	3.45E-09	0.0106874	0.0186532	0.5666783	0.1853382	4	0.89662072
ENSG00000120253	6	NUP43	150045451	rs9800614	6	149965740	A	G	0.355865	0.0112195	0.00829229	0.176054	0.629382	0.0693479	1.13E-19	0.0178262	0.0133209	0.1808264	0.3535549	20	0.72018284
ENSG00000268592	6	RP11-244K5.8	150183733	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	0.458761	0.0821418	2.34E-08	0.0144701	0.017985	0.4210708	0.2182855	6	0.85707798
ENSG00000216906	6	RP11-350J20.9	150225379	rs9371505	6	150184148	C	A	0.422465	0.00777491	0.00815892	0.340624	0.691339	0.0919348	5.48E-14	0.0112462	0.011896	0.3444683	0.5546707	16	0.83006011
ENSG00000203722	6	RAET1G	150238014	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	1.13019	0.0846864	1.26E-40	0.00587364	0.00723764	0.4170551	0.1500473	20	0.85560764
ENSG00000131015	6	ULBP2	150263136	rs1951931	6	150296898	A	C	0.173956	-0.0137391	0.0105387	0.192342	-0.819874	0.104108	3.40E-15	0.0167576	0.013029	0.1983815	0.322468	7	0.73394554
ENSG00000111981	6	ULBP1	150285143	rs35409210	6	150302584	C	T	0.17495	-0.0140498	0.0106395	0.186661	-1.08134	0.0952855	7.55E-30	0.012993	0.00990557	0.1896276	0.2022864	8	0.72847268
ENSG00000112031	6	MTRF1L	153308497	rs7752197	6	153326846	T	C	0.696819	0.0293157	0.00901911	0.00115244	-1.19649	0.0808359	1.43E-49	-0.0245014	0.00771759	0.00149966	0.04306399	20	0.17322719
ENSG00000235381	6	RP11-477D19.2	155574273	rs1331212	6	155575431	T	C	0.428429	-0.0100478	0.00811111	0.215428	0.93896	0.0609377	1.43E-53	-0.010701	0.00866627	0.2169102	0.9544487	20	0.75330339
ENSG00000215712	6	TMEM242	157710418	rs9379315	6	157696815	G	C	0.247515	0.00247023	0.00953909	0.795667	-0.464819	0.0534758	3.56E-18	-0.0053144	0.0205313	0.7957557	0.1945086	9	0.96375538
ENSG00000272047	6	GTF2H5	158589384	rs6900900	6	158496605	A	G	0.473161	0.00752871	0.00807286	0.351029	0.316391	0.049833	2.17E-10	0.0237956	0.0257892	0.3561666	0.9413505	9	0.83426107
ENSG00000130338	6	TULP4	158733692	rs9346735	6	158715787	A	G	0.417495	0.00536725	0.00811344	0.508275	0.725872	0.0710189	1.60E-24	0.00739421	0.0112009	0.5091611	0.9447264	20	0.88300558
ENSG00000112110	6	MRPL18	160210844	rs4709368	6	160204127	C	T	0.756461	0.00169444	0.0104627	0.871345	-0.240311	0.0434943	3.29E-08	-0.007051	0.0435569	0.8713995	0.959723	7	0.97689669
ENSG00000026652	6	AGPAT4	161551011	rs3778224	6	161608089	C	T	0.420477	-0.0006239	0.00831588	0.94019	0.472695	0.0710024	2.79E-11	-0.00132	0.0175936	0.9401941	0.6432214	15	0.9880402
ENSG00000112530	6	PACRG	163148164	rs66594243	6	163169024	C	T	0.12326	0.0384983	0.0174218	0.0271206	0.662731	0.0939031	1.69E-12	0.0580904	0.0275463	0.03495976	0.1911966	9	0.49063389
ENSG00000026297	6	RNASET2	167342992	rs9347170	6	167405187	T	C	0.373757	0.0101664	0.0083538	0.223612	0.588605	0.0699896	4.10E-17	0.017272	0.0143404	0.228422	0.7712828	13	0.75779347
ENSG00000235994	6	RP3-470B24.5	168376604	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.810336	0.0999629	5.22E-16	-0.0089518	0.0103508	0.387129	0.07768977	20	0.84215444
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.875774	0.0985897	6.51E-19	-0.0082829	0.00956828	0.3866768	0.06217627	20	0.84197743
ENSG00000125337	6	KIF25	168396921	rs12203032	6	168391859	A	C	0.149105	0.0137557	0.0101424	0.175016	1.2927	0.159815	6.03E-16	0.0106411	0.00795543	0.1810319	0.3117263	20	0.72018284
ENSG00000184465	6	WDR27	169857307	rs6459652	6	170065894	C	T	0.254473	0.0135163	0.0106041	0.202439	-0.342214	0.0622864	3.92E-08	-0.0394966	0.0318097	0.2143644	0.5944539	6	0.74800164
ENSG00000261003	6	RP1-140C12.2	170723227	rs13207394	6	170713885	G	C	0.0715706	-0.0013	0.0195127	0.946881	1.05877	0.134716	3.86E-15	-0.0012279	0.0184303	0.9468831	0.3387088	16	0.98959553
ENSG00000071994	6	PDCD2	170884383	rs75159687	6	170847101	C	T	0.0447316	-0.0648399	0.0298712	0.0299578	1.32805	0.114827	6.15E-31	-0.0488234	0.0228852	0.03289183	0.2510634	12	0.48597966
ENSG00000223855	7	AC147651.3	560028	rs9770574	7	564581	A	G	0.17495	0.0080158	0.01051	0.44565	1.18916	0.0916345	1.65E-38	0.00674072	0.00885342	0.4464365	0.813954	13	0.86795298
ENSG00000164818	7	HEATR2	766338	rs4072597	7	772025	A	G	0.44334	-0.0073696	0.00807694	0.361546	0.956047	0.0670558	4.03E-46	-0.0077084	0.00846555	0.3625275	0.8875743	20	0.83426107
ENSG00000164828	7	SUN1	855528	rs35761377	7	763545	T	C	0.163022	0.00375961	0.0107793	0.727255	-0.328677	0.053614	8.76E-10	-0.0114386	0.0328491	0.7276769	0.7305462	12	0.94616865
ENSG00000225146	7	AC073957.15	1068661	rs10229964	7	1051776	G	A	0.418489	0.00822116	0.00808921	0.309481	0.550864	0.0955292	8.10E-09	0.0149241	0.0149109	0.3168821	0.8074672	14	0.81723275
ENSG00000164849	7	GPR146	1084212	rs2363285	7	1091644	T	C	0.528827	-0.0004379	0.00807726	0.956769	-0.678062	0.078068	3.77E-18	0.00064575	0.0119125	0.9567696	0.4935343	20	0.98968811
ENSG00000224079	7	AC091729.7	1114086	rs62430968	7	1086521	G	C	0.329026	-0.0093713	0.00869291	0.281017	-0.678091	0.110501	8.43E-10	0.0138201	0.013016	0.2883372	0.3651948	20	0.79730489
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.21125	0.0811468	2.21E-50	-0.0059303	0.00694419	0.393105	0.7494044	20	0.84301004
ENSG00000273230	7	RP11-1246C19.1	1504133	rs10224038	7	1522175	G	A	0.727634	0.0113487	0.00887912	0.201204	-0.467597	0.0682398	7.27E-12	-0.0242703	0.0193163	0.2089483	0.8348175	16	0.74515605
ENSG00000164880	7	INTS1	1509913	rs7799232	7	1545177	C	T	0.451292	0.00553481	0.00806739	0.492668	-0.77073	0.0689694	5.41E-29	-0.0071813	0.0104869	0.4934811	0.6020679	20	0.88088085
ENSG00000122687	7	FTSJ2	2273866	rs7799006	7	2278226	T	C	0.342942	-0.0027837	0.00878112	0.751239	0.490912	0.0582903	3.71E-17	-0.0056704	0.0179	0.7514091	0.4181582	20	0.95502521
ENSG00000157927	7	RADIL	4836686	rs4724147	7	4923273	T	C	0.259443	-0.0063072	0.00912262	0.48933	-0.346513	0.0619421	2.22E-08	0.0182018	0.0265272	0.4926157	0.1722264	3	0.88088085
ENSG00000136297	7	MMD2	4945620	rs12216591	7	5000088	T	C	0.266402	0.00675634	0.0086679	0.435705	0.411042	0.0585579	2.23E-12	0.0164371	0.0212172	0.438514	0.7863664	4	0.86354175
ENSG00000196204	7	RNF216P1	5013619	rs113612946	7	5027080	C	G	0.109344	-0.0276285	0.015502	0.0747085	-0.783453	0.0989138	2.36E-15	0.035265	0.0202815	0.08207377	0.4666773	15	0.59111468
ENSG00000146587	7	RBAK	5085452	rs10951753	7	5041847	C	T	0.296223	-0.0029894	0.00883274	0.735025	0.404114	0.0660513	9.46E-10	-0.0073975	0.0218905	0.7354152	0.07197356	10	0.94830822
ENSG00000159904	7	ZNF890P	5160870	rs308076	7	5890168	C	T	0.45825	-7.45E-07	0.00812082	0.999927	0.882238	0.0939803	6.15E-21	-8.44E-07	0.0092048	0.9999268	0.8275782	20	0.999953
ENSG00000122674	7	CCZ1	5938356	rs9691768	7	6886615	C	G	0.49006	-0.0058441	0.00823811	0.478076	0.960297	0.107185	3.27E-19	-0.0060857	0.00860556	0.4794502	0.5346414	13	0.87699866
ENSG00000155026	7	RSPH10B	5965181	rs13223755	7	6881849	G	T	0.409543	-0.0047667	0.00854894	0.57713	0.659808	0.113444	6.02E-09	-0.0072244	0.0130161	0.5788704	0.7567387	7	0.9004891
ENSG00000122512	7	PMS2	6012870	rs12702467	7	6050390	G	A	0.236581	-0.0054344	0.00901917	0.546818	-0.491971	0.0536233	4.53E-20	0.0110461	0.0183722	0.5476807	0.270509	16	0.89346955
ENSG00000207217	7	SNORA42	6056508	rs76415309	7	6049487	A	G	0.140159	-0.0153082	0.0106647	0.151169	-1.17833	0.14802	1.71E-15	0.0129914	0.00919665	0.1577652	0.4152867	19	0.69778463
ENSG00000086232	7	EIF2AK1	6061881	rs3801032	7	6062528	G	T	0.829026	0.00104889	0.00998524	0.916341	-0.425456	0.0668418	1.95E-10	-0.0024653	0.0234727	0.9163522	0.5203308	10	0.98098987
ENSG00000164535	7	DAGLB	6448757	rs13235365	7	6456091	T	C	0.238569	0.00576519	0.00943618	0.541221	0.623628	0.0723864	6.98E-18	0.0092446	0.0151691	0.5422355	0.31827	19	0.89015912
ENSG00000187953	7	PMS2CL	6749759	rs3801034	7	6734141	G	T	0.272366	0.006358	0.00915902	0.48757	-0.705669	0.102628	6.16E-12	-0.0090099	0.0130452	0.489774	0.2101583	19	0.87932853
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.784096	0.0951553	1.72E-16	0.00711072	0.0105344	0.499675	0.6331262	6	0.88088085
ENSG00000205897	7	OR7E136P	6906289	rs7785718	7	6894650	T	C	0.559642	0.00715086	0.00891501	0.422487	-0.589326	0.0905532	7.61E-11	-0.012134	0.0152419	0.4259792	0.5466102	4	0.8584192
ENSG00000106392	7	C1GALT1	7196565	rs10246303	7	7286445	T	A	0.439364	-0.0051191	0.00807606	0.526172	0.500228	0.0610943	2.66E-16	-0.0102335	0.0161931	0.5274072	0.2336036	20	0.88710629
ENSG00000230825	7	AC005532.5	7294785	rs7808744	7	7318707	A	T	0.394632	-0.0059329	0.00807989	0.46278	-0.704262	0.08697	5.60E-16	0.00842422	0.0115199	0.4646114	0.7583785	16	0.87178458
ENSG00000215018	7	COL28A1	7395834	rs3823842	7	7604913	G	A	0.700795	0.0158964	0.00868545	0.0672156	0.911043	0.0762779	7.00E-33	0.0174486	0.00964481	0.070433	0.3710838	20	0.56443627
ENSG00000272894	7	RP5-1159O4.1	7592093	rs73674582	7	7605391	T	C	0.254473	-0.0185873	0.00881886	0.035059	0.822439	0.0812665	4.49E-24	-0.0226002	0.0109529	0.03907439	0.2794479	20	0.50536048
ENSG00000234141	7	AC009473.1	7989484	rs12538224	7	7982306	G	A	0.771372	-0.0026788	0.00962165	0.780692	0.537328	0.0952018	1.66E-08	-0.0049855	0.0179282	0.7809519	0.6030737	6	0.96342048
ENSG00000136267	7	DGKB	14184674	rs10237911	7	14775548	G	C	0.156064	-0.0125576	0.0109389	0.250977	-0.541827	0.0919759	3.84E-09	0.0231764	0.0205687	0.2598349	0.3416475	10	0.77529567
ENSG00000224683	7	RPL36AP29	16248570	rs7778438	7	16247249	A	T	0.420477	-0.0026908	0.00825392	0.74442	0.894054	0.0826918	3.02E-27	-0.0030097	0.00923621	0.7445316	0.08415313	20	0.95168138
ENSG00000272361	7	GS1-166A23.2	16633253	rs7807897	7	16626210	T	G	0.397614	0.00652674	0.00821888	0.427128	0.417481	0.0642503	8.15E-11	0.0156336	0.0198333	0.4305502	0.5556584	10	0.86250564
ENSG00000237773	7	AC003075.4	17319458	rs138250592	7	17301557	T	G	0.0149105	-0.0727337	0.0391145	0.062955	1.73088	0.264287	5.78E-11	-0.0420212	0.0234913	0.07364653	0.01275101	9	0.56880371
ENSG00000271133	7	CTA-293F17.1	20367922	rs3757724	7	20395067	T	C	0.0616302	-0.0064762	0.0146338	0.658093	-1.05755	0.154335	7.27E-12	0.00612376	0.0138663	0.6587574	0.05668163	5	0.92961013
ENSG00000164649	7	CDCA7L	21940518	rs9692388	7	21976001	G	C	0.527833	-0.0044569	0.00812624	0.583379	-0.504126	0.0909583	2.98E-08	0.00884081	0.0161982	0.5852106	0.3668142	14	0.90304167
ENSG00000196683	7	TOMM7	22852251	rs2240726	7	22853135	T	C	0.331014	-0.0024555	0.00824393	0.765813	-0.33273	0.0401048	1.07E-16	0.00737983	0.0247926	0.7659607	0.917704	17	0.95821133
ENSG00000230658	7	KLHL7-AS1	23140847	rs6978827	7	23125544	T	A	0.346918	-0.0024125	0.00867972	0.781057	1.03449	0.0868508	1.04E-32	-0.002332	0.00839262	0.7811157	0.1354718	20	0.96342048
ENSG00000230042	7	AK3P3	23168797	rs2072369	7	23146189	G	A	0.346918	-0.0025641	0.00868351	0.767775	-0.572444	0.10324	2.94E-08	0.00447925	0.0151907	0.7680945	0.4551218	7	0.95821133
ENSG00000136243	7	NUPL2	23221446	rs858289	7	23248158	T	C	0.370775	0.00096703	0.00829733	0.907219	-0.656067	0.0543778	1.62E-33	-0.001474	0.0126477	0.9072231	0.3732354	20	0.98098987
ENSG00000136235	7	GPNMB	23275586	rs199357	7	23288309	A	G	0.375746	0.00319838	0.00829287	0.699734	-0.693783	0.085141	3.68E-16	-0.0046101	0.0119665	0.7000544	0.4576254	20	0.94116663
ENSG00000196335	7	STK31	23749786	rs6962859	7	23747944	T	C	0.636183	0.00535071	0.00849067	0.528572	-0.564704	0.0671928	4.31E-17	-0.0094753	0.0150778	0.529727	0.3844238	20	0.88710629
ENSG00000214870	7	AC004540.5	26438213	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.999412	0.0661449	1.40E-51	0.00324301	0.00806787	0.6877092	0.1051104	14	0.93565052
ENSG00000122548	7	KIAA0087	26572740	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.555649	0.0610906	9.42E-20	0.005833	0.0145202	0.6878932	0.01779113	8	0.93565052
ENSG00000233760	7	AC004947.2	26591441	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.858179	0.0993479	5.71E-18	0.00377672	0.00940247	0.6879246	0.1258106	4	0.93565052
ENSG00000234336	7	JAZF1-AS1	28219941	rs10280937	7	28182306	C	T	0.0944334	-0.0255612	0.0151966	0.0925614	-1.03677	0.09121	6.12E-30	0.0246546	0.0148173	0.09612937	0.2252451	20	0.63011258
ENSG00000272568	7	CTB-113D17.1	29019583	rs11978941	7	29035874	C	G	0.084493	0.00293852	0.0169924	0.862705	0.882754	0.113985	9.60E-15	0.00332881	0.0192541	0.8627392	0.9839133	7	0.9761713
ENSG00000223813	7	AC007255.8	29553841	rs190386206	7	29731034	C	G	0.0159046	-0.0144125	0.0423384	0.733547	1.40234	0.209394	2.13E-11	-0.0102775	0.0302302	0.7338768	0.4546189	4	0.94830822
ENSG00000106086	7	PLEKHA8	30067020	rs10951259	7	30085766	G	T	0.147117	0.00500433	0.0116246	0.666836	0.524214	0.0599199	2.16E-18	0.00954635	0.0222021	0.6672141	0.121697	20	0.93167988
ENSG00000006625	7	GGCT	30536237	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-0.545881	0.077687	2.12E-12	-0.0006245	0.0163437	0.9695216	0.2307235	20	0.99005812
ENSG00000196295	7	AC005154.6	30555925	rs2529437	7	30630094	G	A	0.756461	0.00034088	0.00892158	0.969521	-1.4514	0.0914821	1.10E-56	-0.0002349	0.0061469	0.9695212	0.2493901	20	0.99005812
ENSG00000244480	7	AC005154.7	30562759	rs1049402	7	30634661	G	C	0.763419	0.00014366	0.00895139	0.987196	-0.933889	0.0969609	5.88E-22	-0.0001538	0.00958508	0.9871956	0.2746389	20	0.99717219
ENSG00000180347	7	CCDC129	31553704	rs7793859	7	31592491	A	T	0.236581	-0.0026242	0.00945621	0.781392	-0.567464	0.0827132	6.86E-12	0.00462435	0.0166776	0.7815661	0.2024306	4	0.96342048
ENSG00000226468	7	AC018641.7	32496575	rs1580019	7	32493169	T	A	0.333996	0.0148852	0.00843801	0.0777213	-0.723835	0.0791278	5.82E-20	-0.0205644	0.0118721	0.08324664	0.9699665	20	0.5943288
ENSG00000106355	7	LSM5	32524951	rs2392065	7	32523474	C	T	0.808151	-0.0030334	0.0117602	0.796454	0.362974	0.0624209	6.07E-09	-0.0083571	0.0324314	0.7966492	0.6257579	7	0.96408387
ENSG00000229358	7	DPY19L1P1	32620561	rs6974642	7	32716625	A	G	0.735586	0.0111944	0.00911333	0.219312	0.586088	0.0684778	1.14E-17	0.0191002	0.0157087	0.2240246	0.2005518	20	0.75497764
ENSG00000205763	7	RP9P	32956427	rs4723227	7	33003783	T	C	0.224652	-0.0054116	0.00936408	0.563322	-0.481364	0.0726413	3.44E-11	0.0112423	0.0195271	0.5647995	0.9543388	13	0.89657901
ENSG00000122642	7	FKBP9	32997017	rs10259453	7	33001824	C	G	0.227634	-0.0054016	0.00935975	0.563867	-0.587936	0.0845316	3.52E-12	0.00918736	0.0159744	0.5652028	0.8776025	4	0.89657901
ENSG00000164619	7	BMPER	33944523	rs17169634	7	34093997	G	A	0.0984095	0.0136807	0.0176451	0.438148	-0.653176	0.0996202	5.50E-11	-0.0209449	0.0272025	0.4413229	0.04017115	6	0.8649169
ENSG00000187258	7	NPSR1	34697851	rs2530547	7	34697922	T	C	0.412525	0.0055249	0.00836284	0.508837	-0.569077	0.0945305	1.74E-09	-0.0097085	0.0147837	0.5113699	0.3017703	6	0.88570698
ENSG00000189212	7	DPY19L2P1	35119601	rs7804477	7	35238530	C	T	0.260437	0.0175656	0.00886694	0.0475883	0.468118	0.0687403	9.76E-12	0.0375239	0.0197269	0.05714872	0.7032007	10	0.5488752
ENSG00000271122	7	RP11-379H18.1	35734824	rs4720184	7	35756797	A	T	0.491054	0.00117742	0.00805911	0.883844	0.411983	0.0635133	8.78E-11	0.00285793	0.0195667	0.8838733	0.594226	3	0.97689669
ENSG00000260070	7	RP11-182J23.1	36359384	rs2241141	7	36338564	A	G	0.302187	-0.0069824	0.0104991	0.506022	-0.438906	0.0759857	7.64E-09	0.0159086	0.0240791	0.5088158	0.4398808	4	0.88300558
ENSG00000227191	7	TRGC2	38279181	rs11973716	7	38296768	G	A	0.459245	0.00326631	0.00808161	0.686091	-0.75805	0.0687015	2.62E-28	-0.0043088	0.0106682	0.68629	0.3681927	20	0.93565052
ENSG00000211689	7	TRGC1	38297480	rs2270169	7	38323398	A	G	0.457256	0.00030713	0.00808912	0.969713	-0.523827	0.0925176	1.50E-08	-0.0005863	0.0154427	0.9697141	0.5563202	5	0.99005812
ENSG00000006715	7	VPS41	38762563	rs2074657	7	38816050	G	A	0.188867	-0.0054264	0.00986937	0.58244	-0.458595	0.0688565	2.74E-11	0.0118327	0.0215941	0.5837192	0.4285219	3	0.90199143
ENSG00000136197	7	C7orf25	42948325	rs662347	7	42979442	G	A	0.871769	-0.0080462	0.0162172	0.619789	-0.830871	0.0912903	8.92E-20	0.00968401	0.0195473	0.6203078	0.4950598	18	0.91802866
ENSG00000106591	7	MRPL32	42971799	rs10951701	7	42935350	C	G	0.128231	0.00861498	0.0154958	0.578241	-0.543054	0.0799466	1.10E-11	-0.0158639	0.02863	0.5795084	0.3133625	9	0.9004891
ENSG00000164543	7	STK17A	43622357	rs34968692	7	43668744	T	G	0.632207	-0.0067158	0.00851465	0.430269	0.438114	0.0716112	9.48E-10	-0.0153288	0.0195956	0.4340634	0.4805378	6	0.86298249
ENSG00000106603	7	COA1	43648055	rs10951738	7	43673051	G	C	0.494036	-0.0017854	0.00809746	0.825489	-0.380286	0.0570908	2.72E-11	0.00469494	0.0213047	0.8255825	0.8218153	20	0.97052125
ENSG00000106605	7	BLVRA	43798279	rs55669041	7	43857518	A	C	0.121272	-0.0018683	0.0117151	0.873296	-0.592327	0.0794212	8.78E-14	0.00315409	0.0197826	0.8733244	0.5813147	15	0.97689669
ENSG00000241057	7	AC004985.12	44001189	rs4281033	7	44059276	T	G	0.0984095	0.0416681	0.0150147	0.0055176	1.34578	0.130141	4.60E-25	0.030962	0.0115517	0.00735532	0.01037861	20	0.3240071
ENSG00000239556	7	AC004951.5	44024593	rs61156504	7	44032258	A	G	0.454274	-0.006998	0.00814072	0.389994	0.636803	0.0769092	1.23E-16	-0.0109893	0.0128524	0.3925333	0.4508668	20	0.84301004
ENSG00000272655	7	POLR2J4	44053161	rs56000326	7	44054352	C	T	0.329026	-0.0179907	0.00874643	0.0396945	0.432996	0.0583298	1.14E-13	-0.0415493	0.0209609	0.04745366	0.6499266	14	0.53502872
ENSG00000228903	7	RASA4CP	44066550	rs7779716	7	44072251	T	C	0.27833	0.0135561	0.00854772	0.112756	-0.710953	0.0824096	6.29E-18	-0.0190675	0.0122244	0.1188084	0.490183	13	0.66331992

ENSG00000235314	7	LINC00957	44078770	rs6957051	7	44095382	G	T	0.240557	0.00806253	0.00868691	0.353343	-0.874285	0.0903525	3.80E-22	-0.0092219	0.00998162	0.3555468	0.5746255	20	0.83426107
ENSG00000122678	7	POLM	44111846	rs28382637	7	44120037	C	T	0.0854871	0.00875222	0.0129019	0.49754	0.639382	0.11348	1.76E-08	0.0136886	0.0203244	0.5006275	0.08823954	9	0.88088085
ENSG00000015676	7	NUDCD3	44418720	rs307011	7	44525374	T	C	0.176938	0.00031865	0.0101968	0.97507	0.530756	0.0659086	8.09E-16	0.00060037	0.019212	0.9750702	0.08842982	15	0.99269132
ENSG00000136280	7	CCM2	45039074	rs10264280	7	45120453	T	C	0.38171	-0.0110945	0.00851708	0.192705	0.210232	0.0383807	4.31E-08	-0.0527727	0.0416426	0.2050567	0.7171298	4	0.74155842
ENSG00000136270	7	TBRG4	45139699	rs2083365	7	45137843	T	C	0.434394	-0.0148921	0.00836081	0.0748842	0.446347	0.0583971	2.12E-14	-0.0333644	0.0192335	0.08279414	0.5567739	14	0.59275403
ENSG00000214765	7	SEPT7P2	45763379	rs2974729	7	45808432	G	A	0.586481	-0.0159221	0.00815069	0.0507645	0.372703	0.0555947	2.03E-11	-0.0427206	0.0227787	0.06072856	0.02048479	5	0.55267744
ENSG00000158683	7	PKD1L1	47814250	rs57995674	7	47988891	A	G	0.536779	-0.0075152	0.00816977	0.357636	-0.663265	0.0919354	5.41E-13	0.0113306	0.0124172	0.3615094	0.5797722	20	0.83426107
ENSG00000183696	7	UPP1	48128225	rs36158627	7	48215013	C	T	0.516899	0.00272324	0.00806129	0.735501	0.417751	0.0603597	4.48E-12	0.00651881	0.0193199	0.7358039	0.8047687	20	0.94830822
ENSG00000132436	7	FIGNL1	50511831	rs12154303	7	50515627	A	G	0.457256	0.0129931	0.00821633	0.113793	0.975663	0.0692314	4.21E-45	0.0133172	0.00847413	0.1160637	0.2231564	20	0.65779296
ENSG00000132432	7	SEC61G	54819943	rs117892907	7	54773329	T	C	0.0596421	0.0219236	0.0196171	0.263748	-0.730791	0.100788	4.14E-13	-0.0299998	0.0271606	0.269362	0.5832544	4	0.7823143
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.1633	0.0716373	2.68E-59	0.011241	0.00798879	0.1594007	0.4148917	20	0.69993711
ENSG00000178665	7	ZNF713	55955169	rs11974040	7	56066079	A	G	0.383698	-0.00353	0.00809343	0.662726	-0.423275	0.0628989	1.70E-11	0.00833968	0.0191611	0.6633878	0.9492382	20	0.9310148
ENSG00000146729	7	GBAS	56019486	rs4947531	7	55993895	T	C	0.0586481	0.0202778	0.0166726	0.223897	0.676188	0.0989084	8.11E-12	0.0299884	0.0250439	0.2311376	0.6911408	18	0.75958451
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.597727	0.0752365	1.95E-15	0.0218772	0.0157322	0.1643474	0.7234687	20	0.70082793
ENSG00000129103	7	SUMF2	56131695	rs28558245	7	56175923	A	G	0.21173	0.00156752	0.00897108	0.861291	0.446126	0.0660274	1.41E-11	0.00351363	0.0201156	0.8613374	0.4040002	9	0.9761713
ENSG00000185290	7	NUPR1L	56182374	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.784092	0.096774	5.39E-16	0.0166774	0.0119859	0.1640983	0.830455	20	0.70082793
ENSG00000234444	7	ZNF736	63767837	rs150281903	7	64147621	A	G	0.0119284	0.0111108	0.0279632	0.691119	0.940821	0.152047	6.11E-10	0.0118097	0.0297833	0.6917216	0.2042194	3	0.93793229
ENSG00000227986	7	TRIM60P18	63815456	rs150281903	7	64147621	A	G	0.0119284	0.0111108	0.0279632	0.691119	1.48671	0.256195	6.51E-09	0.00747341	0.0188528	0.6918038	0.501387	3	0.93793229
ENSG00000182722	7	SEPHS1P1	64312775	rs4717217	7	64289484	A	C	0.589463	-0.0108438	0.00820194	0.186132	-0.771851	0.0869062	6.60E-19	0.0140491	0.0107434	0.1909777	0.7215299	20	0.72847268
ENSG00000213640	7	RP11-797H7.3	64323377	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	-1.26946	0.0799258	8.31E-57	0.0104051	0.00639987	0.1039847	0.7598447	20	0.63826532
ENSG00000152926	7	ZNF117	64432154	rs2915386	7	64967204	A	G	0.544732	0.00355801	0.00814857	0.662371	-0.423944	0.0650188	7.02E-11	-0.0083926	0.0192639	0.6630787	0.7011222	14	0.9308998
ENSG00000213462	7	ERV3-1	64451187	rs35586133	7	64478057	A	G	0.399602	-0.0046533	0.00830789	0.575403	0.655391	0.0608448	4.69E-27	-0.0071001	0.0126934	0.5759193	0.9786642	20	0.9004891
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-0.899474	0.0728856	5.45E-35	-0.0058261	0.0090691	0.5206053	0.8316952	19	0.88693216
ENSG00000227113	7	RP11-460N20.4	64535401	rs7807855	7	64449629	G	A	0.404573	-0.0037414	0.0083148	0.652735	0.707627	0.0876224	6.70E-16	-0.0052872	0.0117685	0.6532373	0.5011165	20	0.92725626
ENSG00000226002	7	RP11-460N20.5	64544481	rs71562965	7	64572483	G	A	0.397614	-0.0037421	0.00831514	0.652687	1.1613	0.0863428	3.08E-41	-0.0032223	0.00716421	0.6528688	0.7805308	19	0.92725626
ENSG00000164669	7	INTS4L1	64601603	rs13221806	7	64700373	T	C	0.366799	-0.0047443	0.00862641	0.582339	-1.03	0.0990767	2.59E-25	0.0046061	0.00838687	0.5828658	0.8193837	20	0.90146323
ENSG00000224316	7	RP11-479O9.2	65238607	rs13240485	7	64962022	C	T	0.378728	-0.0050402	0.00836221	0.546686	0.663877	0.101762	6.85E-11	-0.007592	0.0126497	0.5483883	0.840072	20	0.89391219
ENSG00000126522	7	ASL	65540785	rs4718267	7	65187026	A	G	0.89662	0.00509418	0.015359	0.740137	0.46742	0.0846763	3.39E-08	0.0108985	0.0329184	0.7405864	0.08557483	8	0.95039525
ENSG00000179406	7	LINC00174	65841031	rs4718347	7	65904888	G	A	0.055666	-0.0081096	0.0150897	0.590975	1.43784	0.15498	1.73E-20	-0.0056401	0.0105123	0.5915968	0.59035	9	0.90663738
ENSG00000237310	7	GS1-124K5.4	65958693	rs6960848	7	65948749	A	G	0.256461	-0.013947	0.00945481	0.140179	0.531004	0.0738205	6.33E-13	-0.0262653	0.0181761	0.148444	0.2426184	11	0.68857084
ENSG00000229180	7	GS1-124K5.11	65991075	rs1796225	7	66038363	G	C	0.630219	0.00840842	0.00821198	0.305873	0.347069	0.0606673	1.06E-08	0.0242269	0.0240369	0.3135002	0.9385472	12	0.81455426
ENSG00000226824	7	RP4-756H11.3	66119525	rs2659909	7	66160279	A	G	0.542744	-0.0145459	0.00826285	0.0783394	-1.14137	0.0832335	8.50E-43	0.0127442	0.00729882	0.08079907	0.7710349	19	0.58917187
ENSG00000154710	7	RABGEF1	66147151	rs1962050	7	66240008	G	A	0.419483	-0.0197723	0.00828597	0.017022	-0.241264	0.0434358	2.78E-08	0.081953	0.0373792	0.02834504	0.6448326	7	0.45552147
ENSG00000273142	7	RP11-458F8.4	66367844	rs4718430	7	66432024	T	G	0.282306	-0.0064886	0.00838195	0.438865	-0.489689	0.0787755	5.09E-10	0.0132504	0.0172491	0.442381	0.03465705	11	0.86616213
ENSG00000067601	7	PMS2P4	66752528	rs2844124	7	66650716	A	G	0.232604	-0.0184201	0.0108658	0.0900306	0.567565	0.0964788	4.03E-09	-0.0324546	0.0199236	0.1033236	0.3081681	19	0.63826532
ENSG00000106610	7	STAG3L4	66767608	rs887715	7	66786384	C	T	0.39662	0.00301849	0.00892432	0.735189	-0.726978	0.0632565	1.44E-30	-0.0041521	0.0122812	0.7352987	0.3688332	20	0.94830822
ENSG00000273448	7	RP11-166O4.6	66798034	rs2421294	7	66816668	A	T	0.403579	0.00141668	0.00847648	0.867267	0.589335	0.0837377	1.95E-12	0.00240386	0.0143872	0.8673043	0.3187082	20	0.9761713
ENSG00000235475	7	RP11-166O4.5	66800963	rs887715	7	66786384	C	T	0.39662	0.00301849	0.00892432	0.735189	0.595084	0.0803147	1.27E-13	0.00507238	0.0150124	0.7354536	0.1687553	20	0.94830822
ENSG00000196313	7	POM121	72349936	rs10263660	7	72368345	T	C	0.526839	0.00695407	0.00812962	0.39233	-0.430101	0.0533486	7.50E-16	-0.0161685	0.0190077	0.3949779	0.1991139	16	0.84410017
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.801309	0.104051	1.35E-14	-0.0112146	0.011054	0.3103315	0.3351481	20	0.81264646
ENSG00000146755	7	TRIM50	72726535	rs13243883	7	72389657	A	G	0.137177	0.0012297	0.0113321	0.913587	1.08735	0.191105	1.27E-08	0.00113091	0.0104237	0.913603	0.6840971	5	0.98098987
ENSG00000106638	7	TBL2	72983262	rs145236068	7	73032615	T	C	0.0864811	0.0239211	0.0154711	0.122062	0.799485	0.105048	2.73E-14	0.0299206	0.0197466	0.1297152	0.3473641	3	0.67376577
ENSG00000106077	7	ABHD11	73150424	rs34802335	7	73270978	C	T	0.0785288	0.00831516	0.0140591	0.554224	0.668901	0.100075	2.32E-11	0.0124311	0.0211003	0.5557665	0.9229144	8	0.89575241
ENSG00000189143	7	CLDN4	73213872	rs10225983	7	73258750	A	G	0.725646	0.00539923	0.00869587	0.534668	-0.838117	0.0781092	7.35E-27	-0.0064421	0.0103928	0.5353506	0.1681415	20	0.88710629
ENSG00000165171	7	WBSCR27	73248920	rs10225983	7	73258750	A	G	0.725646	0.00539923	0.00869587	0.534668	-1.1612	0.0769755	2.02E-51	-0.0046497	0.00749503	0.5350138	0.2717835	20	0.88710629
ENSG00000196275	7	GTF2IRD2	74210483	rs810366	7	74140925	G	C	0.806163	-0.0368269	0.0104766	0.0004395	-1.01825	0.0899134	9.89E-30	0.0361669	0.0107731	0.00078749	0.1632187	20	0.17322719
ENSG00000123965	7	PMS2P5	74306894	rs2529275	7	74294925	C	T	0.798211	-0.0232974	0.0104219	0.0253898	-1.20788	0.0986111	1.70E-34	0.0192878	0.00877077	0.02787043	0.05434407	20	0.45322628
ENSG00000184616	7	AC004166.6	74320406	rs587659729	7	74337546	A	G	0.0238569	0.024132	0.0205982	0.241374	-1.2111	0.198516	1.06E-09	-0.0199257	0.0173186	0.249923	0.887345	5	0.77306764
ENSG00000205583	7	STAG3L1	74988448	rs6944634	7	75061769	C	G	0.810139	0.00809241	0.0112113	0.470413	-0.736465	0.0974872	4.21E-14	-0.0109882	0.0152925	0.4724269	0.3663499	10	0.87541091
ENSG00000178809	7	TRIM73	75024337	rs365844	7	75048804	C	T	0.229622	0.0135564	0.00936416	0.147703	-0.64578	0.115396	2.19E-08	-0.0209923	0.0149779	0.161049	0.343458	4	0.69993711
ENSG00000223705	7	NSUN5P1	75039605	rs62477737	7	75162278	G	A	0.814115	0.0085461	0.0113061	0.44972	-0.314969	0.0485053	8.39E-11	-0.0271331	0.0361383	0.4527645	0.440045	5	0.86795298
ENSG00000005486	7	RHBDD2	75471920	rs138972761	7	75584801	A	G	0.0149105	-0.0251937	0.01882	0.180678	0.645548	0.113891	1.44E-08	-0.0390268	0.0299556	0.1926346	0.8463962	3	0.73026512
ENSG00000127948	7	POR	75528518	rs62475265	7	75547118	G	A	0.0656064	-0.0044555	0.0224124	0.842424	-0.794059	0.117294	1.29E-11	0.00561101	0.0282373	0.8424902	0.3894962	5	0.97391392
ENSG00000127952	7	STYXL1	75625656	rs10253077	7	75770123	T	C	0.185885	-0.0306661	0.00875298	0.00045919	-0.834844	0.0977072	1.29E-17	0.0367327	0.0113317	0.00118869	0.5694557	13	0.17322719
ENSG00000188372	7	ZP3	76026835	rs75292946	7	76224198	G	A	0.301193	-0.0099522	0.00952701	0.296195	1.23754	0.111249	9.59E-29	-0.0080419	0.00773221	0.2983162	0.8681489	20	0.80667732
ENSG00000091073	7	DTX2	76090993	rs2110465	7	76137284	C	A	0.682903	0.00761971	0.0094566	0.420384	-0.327464	0.0583692	2.02E-08	-0.0232688	0.0291746	0.425119	0.6013608	4	0.8584192
ENSG00000243566	7	UPK3B	76139745	rs1636632	7	76144483	G	A	0.403579	0.00087881	0.00806798	0.913262	-0.724543	0.102271	1.40E-12	-0.0012129	0.0111366	0.913272	0.7056158	20	0.98098987
ENSG00000205485	7	AC004980.7	76178677	rs2006268	7	76255998	C	T	0.301193	-0.0103903	0.0095403	0.276112	0.943062	0.0990957	1.79E-21	-0.0110176	0.0101823	0.2792377	0.8411999	13	0.79513447
ENSG00000146707	7	POMZP3	76239303	rs367660224	7	76265872	T	C	0.209742	0.0117407	0.0109447	0.283394	-1.15019	0.0988743	2.81E-31	-0.0102076	0.00955593	0.2854316	0.4069112	20	0.79513447
ENSG00000214243	7	AC004980.10	76279718	rs1754174	7	76215602	T	C	0.558648	-0.0016277	0.00814922	0.841685	-0.613753	0.0915634	2.04E-11	0.00265208	0.0132836	0.8417537	0.6960244	15	0.97376482
ENSG00000233448	7	PMS2P9	76669261	rs13247472	7	76550299	A	G	0.609344	0.00677765	0.00861648	0.431521	0.555584	0.0973386	1.14E-08	0.0121991	0.0156554	0.4358461	0.1556645	7	0.86298249
ENSG00000186088	7	GSAP	76940068	rs10953236	7	77046222	T	C	0.652087	-0.0042885	0.00839468	0.609447	0.474113	0.054356	2.72E-18	-0.0090454	0.0177364	0.6100601	0.6730624	6	0.91431759
ENSG00000214293	7	RSBN1L-AS1	77286977	rs11982427	7	77320798	T	G	0.141153	0.00175261	0.0129736	0.89254	-1.07957	0.121035	4.68E-19	-0.0016234	0.0120188	0.8925526	0.3863971	20	0.98008589
ENSG00000005471	7	ABCB4	87031013	rs6946119	7	87128865	C	T	0.242545	0.0108461	0.011006	0.324393	0.663067	0.116018	1.10E-08	0.0163575	0.0168436	0.3314784	0.1568248	4	0.82473356
ENSG00000235436	7	DPY19L2P4	89748714	rs194504	7	89841218	A	G	0.781312	-0.0290982	0.0106452	0.00626729	0.489435	0.0607573	7.91E-16	-0.0594526	0.022968	0.00963964	0.4879454	15	0.34446388
ENSG00000157214	7	STEAP2	89796904	rs194503	7	89841084	A	G	0.781312	-0.0291259	0.0106451	0.00621727	0.926157	0.0667508	9.00E-44	-0.0314481	0.0117152	0.00726625	0.03496441	20	0.32366387
ENSG00000105793	7	GTPBP10	89964537	rs917660	7	90032932	A	G	0.254473	-0.0085778	0.00959845	0.371504	-0.321226	0.057795	2.73E-08	0.0267032	0.0302645	0.3775997	0.3082378	12	0.83735401
ENSG00000058091	7	CDK14	90095738	rs17163160	7	90397458	T	C	0.207753	-0.0033156	0.012181	0.785476	0.404571	0.0624512	9.28E-11	-0.0081952	0.030135	0.7856602	0.3526332	19	0.96375538
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.81483	0.182936	3.39E-23	0.010511	0.0102677	0.3059821	0.160414	17	0.80750206
ENSG00000127980	7	PEX1	92116334	rs74730775	7	92060776	G	A	0.0208748	0.126432	0.0555687	0.0228918	0.96372	0.1523	2.49E-10	0.131192	0.0612747	0.03227078	0.4222789	5	0.48441632
ENSG00000158560	7	DYNC1I1	95401866	rs2618976	7	95453635	T	G	0.491054	-0.0073958	0.00806517	0.359138	0.483607	0.0521083	1.68E-20	-0.0152931	0.0167583	0.3614715	0.1543028	20	0.83426107
ENSG00000004864	7	SLC25A13	95749532	rs4551263	7	95947456	G	A	0.687873	-0.0161673	0.00856042	0.0589441	-0.4401	0.0576358	2.24E-14	0.0367355	0.0200372	0.06674819	0.3796566	12	0.56065982
ENSG00000272950	7	RP11-307C18.1	97952165	rs7787309	7	97900826	T	A	0.575547	-0.0180678	0.00806495	0.0250721	0.890669	0.089224	1.82E-23	-0.0202857	0.00928016	0.02882183	0.04864892	20	0.45603034
ENSG00000238109	7	AC004893.10	98596161	rs41644	7	98568017	T	C	0.084493	-0.0007998	0.0154896	0.958817	1.23821	0.172886	7.95E-13	-0.000646	0.01251	0.9588184	0.565833	13	0.98968811
ENSG00000166529	7	ZSCAN21	99647390	rs13236456	7	99675558	G	A	0.605368	0.0132098	0.00817497	0.10612	-0.525889	0.0849427	5.97E-10	-0.025119	0.0160658	0.1179334	0.06695286	5	0.66110705
ENSG00000221838	7	AP4M1	99699172	rs4729577	7	99701640	C	T	0.596421	0.0153332	0.00811825	0.0589278	-0.392874	0.0597901	5.00E-11	-0.0390283	0.0215004	0.06948833	0.1174785	8	0.56143116
ENSG00000214309	7	MBLAC1	99724317	rs117461151	7	99735364	T	C	0.0695825	-0.0025931	0.0208384	0.900967	0.752388	0.115689	7.84E-11	-0.0034466	0.0277014	0.9009846	0.4278738	15	0.98098987
ENSG00000188186	7	LAMTOR4	99746530	rs12878	7	99747130	A	G	0.631213	0.011232	0.00819977	0.170752	-0.398839	0.0338708	5.23E-32	-0.0281617	0.0206977	0.173634	0.1944258	20	0.71004558
ENSG00000197093	7	GAL3ST4	99756867	rs117078557	7	99821725	G	T	0.0427435	-0.0121927	0.0249629	0.625245	1.13941	0.192555	3.27E-09	-0.0107009	0.0219831	0.6264161	0.5843539	9	0.91925859
ENSG00000213420	7	GPC2	99767229	rs116667980	7	99835446	A	G	0.0427435	-0.0145336	0.0248419	0.558518	1.3273	0.190198	2.98E-12	-0.0109497	0.0187818	0.5598942	0.6468477	8	0.89626814
ENSG00000066923	7	STAG3	99775186	rs34666036	7	99737012	A	G	0.27336	0.0255451	0.00904564	0.00474242	0.361696	0.044355	3.50E-16	0.0706259	0.0264662	0.00761834	0.8932632	20	0.3240071
ENSG00000213413	7	PVRIG	99815864	rs1623264	7	99811204	C	G	0.73161	-0.0279444	0.00907088	0.00206533	-0.406224	0.0488926	9.69E-17	0.0687906	0.0238153	0.00387078	0.5209662	20	0.27554195
ENSG00000242294	7	STAG3L5P	99933702	rs113387325	7	99913146	T	G	0.173956	-0.0150587	0.00987171	0.127148	0.801574	0.0561492	3.10E-46	-0.0187864	0.0123855	0.1293159	0.5186148	20	0.67376577
ENSG00000121716	7	PILRB	99933737	rs11761253	7	99939321	T	C	0.175944	-0.0149863	0.00986104	0.128575	0.873499	0.0591024	1.99E-49	-0.0171566	0.0113487	0.1305906	0.7024385	20	0.67376577
ENSG00000085514	7	PILRA	99965153	rs61735533	7	99955866	A	G	0.175944	-0.0149825	0.00985853	0.128573	1.06776	0.0705183	8.61E-52	-0.0140317	0.0092793	0.1304951	0.6750349	20	0.67376577
ENSG00000205307	7	SAP25	100169855	rs60668677	7	100180896	T	C	0.0765408	0.0199329	0.016254	0.220073	0.643935	0.0653405	6.52E-23	0.0309548	0.0254364	0.2236224	0.6486165	12	0.75497764
ENSG00000077454	7	LRCH4	100169855	rs73156211	7	100183930	G	A	0.0715706	0.020414	0.0162584	0.209263	0.448072	0.0760489	3.82E-09	0.0455596	0.0371	0.2194387	0.6959035	6	0.75497764
ENSG00000130427	7	EPO	100318423	rs11520986	7	100276994	G	A	0.232604	-0.0200201	0.00912979	0.0283198	-0.613547	0.0969979	2.53E-10	0.0326301	0.0157492	0.03827817	0.3490543	15	0.50417602
ENSG00000146828	7	SLC12A9	100424442	rs13241786	7	100486656	G	T	0.542744	0.0123023	0.0080566	0.126766	0.335718	0.0416631	7.76E-16	0.0366447	0.0244252	0.1335409	0.2188064	20	0.67495201
ENSG00000106404	7	CLDN15	100875373	rs73713820	7	100898967	T	C	0.0596421	-0.007745	0.0170817	0.650252	0.849911	0.102816	1.38E-16	-0.0091128	0.0201284	0.6507429	0.120535	14	0.92725626
ENSG00000160963	7	COL26A1	101006101	rs12673177	7	100998895	G	T	0.532803	-0.0186795	0.00807097	0.0206457	1.06302	0.0681957	8.81E-55	-0.0175721	0.00767572	0.02206138	0.06729989	20	0.4128198
ENSG00000161036	7	LRWD1	102105376	rs4543479	7	102111183	T	C	0.729622	-0.0058431	0.00839755	0.486551	-0.653078	0.0661315	5.32E-23	0.00894697	0.0128903	0.4876284	0.0938396	20	0.87851987
ENSG00000105808	7	RASA4	102220093	rs7801498	7	102089595	A	G	0.673956	0.00427177	0.00822466	0.603491	0.579393	0.10462	3.06E-08	0.00737284	0.0142576	0.6050749	0.9378932	7	0.91287911
ENSG00000267368	7	UPK3BL	102277472	rs4729851	7	102351847	T	A	0.714712	0.00767202	0.00884246	0.385595	-0.654955	0.105227	4.84E-10	-0.0117138	0.0136314	0.390161	0.3614473	12	0.84301004
ENSG00000228049	7	POLR2J2	102277474	rs4729850	7	102343967	G	A	0.898608	0.00072965	0.01403	0.958524	-1.4557	0.153848	3.02E-21	-0.0005012	0.00963812	0.9585241	0.6713474	11	0.98968811
ENSG00000091127	7	PUS7	105080108	rs150045697	7	105149419	A	G	0.190855	-0.0040609	0.0101826	0.690035	0.482194	0.0642422	6.10E-14	-0.0084217	0.021147	0.690451	0.2702477	15	0.93722034
ENSG00000105835	7	NAMPT	105888731	rs1013734	7	105878412	G	A	0.654076	0.00195071	0.00866832	0.821949	-0.320259	0.0585637	4.54E-08	-0.006091	0.0270895	0.822097	0.6390765	9	0.96948302
ENSG00000241764	7	AC002467.7	107383262	rs7787927	7	107404360	A	C	0.266402	-0.0014826	0.00859531	0.863049	0.554897	0.0970013	1.06E-08	-0.0026719	0.015497	0.8631107	0.2147621	5	0.9761713
ENSG00000091140	7	DLD	107531415	rs2237686	7	107575162	T	C	0.384692	-0.0015534	0.00824389	0.850538	0.210112	0.0324951	1.01E-10	-0.0073933	0.0392523	0.850601	0.8857739	20	0.9761713
ENSG00000091129	7	NRCAM	107788068	rs12531607	7	107842546	G	A	0.335984	-0.0007463	0.00849198	0.929969	0.417167	0.0659702	2.56E-10	-0.001789	0.0203583	0.9299763	0.1354773	13	0.98455434
ENSG00000177683	7	THAP5	108194987	rs40946	7	108206015	A	C	0.318091	-0.016603	0.00873294	0.057277	0.576554	0.0623173	2.21E-20	-0.028797	0.0154633	0.06256365	0.1526967	15	0.55559132
ENSG00000006652	7	IFRD1	112063023	rs67523617	7	112109174	C	A	0.451292	0.0103954	0.00820313	0.205069	0.367672	0.0616584	2.48E-09	0.0282736	0.0228093	0.2151361	0.9075046	14	0.74841064
ENSG00000181016	7	LSMEM1	112120908	rs2529588	7	112103055	G	A	0.252485	-0.0067102	0.00895396	0.453612	0.454989	0.0568727	1.24E-15	-0.014748	0.0197657	0.4555826	0.379665	5	0.86795298
ENSG00000105976	7	MET	116312444	rs187437	7	116445091	A	G	0.444334	-0.0170902	0.00827342	0.0388597	-0.504627	0.0817124	6.59E-10	0.033867	0.017288	0.05011367	0.3984632	7	0.53502872
ENSG00000004866	7	ST7	116593292	rs75026136	7	116723896	A	G	0.0984095	-0.0204698	0.0159191	0.198489	-0.756908	0.0962797	3.79E-15	0.027044	0.0213112	0.2044406	0.1945511	3	0.74155842
ENSG00000128534	7	NAA38	117824086	rs11486992	7	117850007	C	T	0.666998	0.00540265	0.00989421	0.585038	0.480691	0.0707885	1.12E-11	0.0112393	0.0206497	0.5862456	0.05919259	18	0.90351052
ENSG00000106013	7	ANKRD7	117854727	rs11770353	7	117843938	T	C	0.666998	0.00541388	0.00989416	0.584256	-0.616506	0.111987	3.69E-08	-0.0087816	0.0161278	0.5860999	0.0882602	5	0.90351052
ENSG00000242593	7	RP5-921G16.1	123672259	rs12706598	7	124020707	A	T	0.241551	-0.0083196	0.00937089	0.374639	-0.772628	0.0933383	1.26E-16	0.010768	0.0121982	0.3773694	0.08509524	20	0.83735401
ENSG00000165055	7	METTL2B	128116783	rs9690423	7	128144492	T	C	0.382704	0.0185108	0.00837649	0.0271156	-0.539994	0.082205	5.07E-11	-0.0342796	0.0163665	0.03621489	0.605287	8	0.50417602
ENSG00000230715	7	RP11-274B21.4	128292895	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.412749	0.0577084	8.53E-13	-0.0129459	0.019722	0.5115537	0.3607533	6	0.88570698
ENSG00000229413	7	AC018638.1	128293740	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.44706	0.0696777	1.40E-10	-0.012304	0.0182327	0.499782	0.09421852	7	0.88088085
ENSG00000243679	7	RP11-274B21.3	128294023	rs6945126	7	128318168	G	A	0.410537	-0.0055006	0.00810589	0.497393	0.353392	0.0554748	1.89E-10	-0.0155652	0.0230672	0.4998162	0.2788606	4	0.88088085
ENSG00000271553	7	RP11-274B21.10	128307097	rs7804472	7	128333758	A	G	0.120278	0.00606801	0.0109378	0.579049	0.955661	0.0931	1.01E-24	0.00634954	0.011462	0.5796022	0.2432665	20	0.9004891
ENSG00000205085	7	FAM71F2	128312342	rs339072	7	128364080	T	G	0.597416	-0.0070067	0.00857844	0.414052	-0.477376	0.0820082	5.85E-09	0.0146776	0.018146	0.4185957	0.14165	6	0.85641796
ENSG00000271344	7	RP11-274B21.9	128330505	rs339072	7	128364080	T	G	0.597416	-0.0070067	0.00857844	0.414052	-0.394051	0.0558462	1.71E-12	0.0177813	0.0219152	0.4171557	0.4370704	11	0.85560764
ENSG00000128596	7	CCDC136	128430811	rs55681138	7	128433061	T	G	0.194831	0.0169427	0.00981892	0.0844345	-0.564139	0.0764472	1.59E-13	-0.0300328	0.0178746	0.09291946	0.1645217	14	0.61615525
ENSG00000272899	7	RP11-309L24.9	128510821	rs76267516	7	128513078	A	G	0.027833	0.0172568	0.0209944	0.411091	-1.14137	0.144651	3.01E-15	-0.0151194	0.0184936	0.4136155	0.5320928	6	0.85288297
ENSG00000240204	7	SMKR1	129142320	rs610591	7	129142775	A	G	0.898608	-0.0517868	0.0147024	0.00042776	-0.989751	0.121125	3.05E-16	0.0523231	0.016176	0.00121806	0.00606328	8	0.17322719
ENSG00000106484	7	MEST	130126012	rs3800564	7	130125948	T	C	0.807157	0.00687413	0.00955405	0.471834	0.512681	0.0938664	4.71E-08	0.0134082	0.0187965	0.4756377	0.9841539	5	0.87652819
ENSG00000158623	7	COPG2	130146089	rs10242275	7	130362554	C	T	0.846918	0.00504302	0.0102239	0.62183	0.465034	0.0630677	1.66E-13	0.0108444	0.0220344	0.6226077	0.5487632	20	0.91852725
ENSG00000226380	7	MIR29B1	130561495	rs731729	7	130566795	C	T	0.0974155	-0.0155726	0.0141718	0.271835	-0.647723	0.112926	9.71E-09	0.0240421	0.0222773	0.2804905	0.2704423	5	0.79513447
ENSG00000131558	7	EXOC4	132937829	rs73152990	7	133481070	A	G	0.129225	0.00555203	0.0116392	0.633356	-0.638121	0.0969844	4.72E-11	-0.0087006	0.0182877	0.6342435	0.2301304	8	0.92237337
ENSG00000155530	7	LRGUK	133812052	rs7457999	7	133748235	C	T	0.244533	-0.019801	0.00884239	0.0251345	-0.62623	0.1148	4.90E-08	0.0316194	0.0152635	0.03830553	0.6292163	4	0.50417602
ENSG00000205060	7	SLC35B4	133974084	rs11771785	7	134013249	A	G	0.389662	0.00921587	0.0084808	0.277181	-0.22991	0.0389425	3.55E-09	-0.0400847	0.0375071	0.2851951	0.598852	11	0.79513447
ENSG00000146856	7	AGBL3	134671259	rs17168200	7	134701383	A	G	0.33996	0.00471747	0.00839166	0.574005	-0.565455	0.080429	2.06E-12	-0.0083428	0.0148879	0.5752249	0.9300395	9	0.9004891
ENSG00000223718	7	AC093107.7	135344787	rs61740269	7	135333172	T	C	0.0497018	-0.0671409	0.0382846	0.0794767	1.78923	0.259964	5.88E-12	-0.037525	0.0220809	0.08923819	0.02849434	11	0.60840161
ENSG00000243317	7	C7orf73	135347244	rs6467603	7	135349273	T	A	0.796223	0.010311	0.0106309	0.332089	0.476184	0.0712019	2.27E-11	0.0216534	0.0225588	0.3371223	0.3083901	16	0.82540122
ENSG00000006459	7	JHDM1D	139784546	rs62491456	7	139885277	T	G	0.0775348	0.00064187	0.0144785	0.964639	0.48962	0.078117	3.66E-10	0.00131096	0.0295716	0.96464	0.9156459	6	0.9900137
ENSG00000133597	7	ADCK2	140372953	rs2930332	7	140367456	C	T	0.0715706	-0.0031689	0.0148711	0.831259	0.594979	0.101775	5.04E-09	-0.005326	0.0250109	0.8313688	0.2005783	7	0.97248978
ENSG00000228775	7	WEE2-AS1	141404138	rs2270009	7	141464765	T	C	0.463221	-0.001467	0.00806903	0.855737	0.675045	0.0834561	6.03E-16	-0.0021732	0.0119563	0.8557728	0.9583232	18	0.9761713
ENSG00000127364	7	TAS2R4	141478242	rs34378880	7	141497070	A	G	0.473161	-0.0013448	0.00804243	0.867201	0.835621	0.0594761	7.74E-45	-0.0016094	0.00962518	0.8672107	0.9683589	20	0.9761713
ENSG00000165076	7	PRSS37	141536086	rs9791991	7	141460017	C	A	0.468191	-0.0024299	0.00804311	0.76257	-0.579652	0.0723898	1.17E-15	0.00419198	0.0138856	0.7627333	0.9422502	20	0.95713352
ENSG00000257335	7	MGAM	141607613	rs12533304	7	141435436	C	T	0.476143	-0.0056873	0.00805407	0.480103	-0.534827	0.0887726	1.69E-09	0.0106339	0.0151623	0.483093	0.7219119	10	0.87816986
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.618927	0.0572856	3.29E-27	-0.0189541	0.0142066	0.1821474	0.9389136	20	0.72018284
ENSG00000204947	7	ZNF425	148799876	rs2693317	7	148844884	A	G	0.157058	0.00634912	0.0122006	0.60279	-0.575076	0.093091	6.51E-10	-0.0110405	0.0212908	0.6040694	0.5573342	8	0.91278628
ENSG00000244560	7	RP4-800G7.2	148982372	rs111503085	7	148990858	T	C	0.0188867	-0.0048302	0.0247842	0.845479	-0.897137	0.124968	7.03E-13	0.005384	0.0276361	0.8455353	0.9182243	8	0.97550779
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.734731	0.0814187	1.81E-19	0.00746303	0.0136411	0.5843107	0.2164483	10	0.90222504
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs6464035	7	149560072	C	T	0.622266	-0.0048058	0.00811575	0.553747	0.383536	0.0625013	8.44E-10	-0.0125302	0.0212586	0.5555809	0.5108403	12	0.89575241
ENSG00000171130	7	ATP6V0E2	149570057	rs10247524	7	149579948	C	G	0.599404	-0.0031652	0.00806324	0.69466	0.354666	0.0376916	4.98E-21	-0.0089243	0.0227545	0.6949107	0.0818233	13	0.93862719
ENSG00000273011	7	RP11-728K20.3	149587828	rs62490792	7	149602855	A	C	0.728628	-0.0076849	0.00898719	0.3925	-0.920676	0.0833219	2.20E-28	0.008347	0.0097907	0.3939124	0.08149905	20	0.84349173
ENSG00000224016	7	RP11-728K20.1	149588280	rs10240572	7	149590203	C	A	0.715706	-0.0024382	0.00901693	0.786848	-0.796832	0.0793664	1.02E-23	0.00305989	0.0113201	0.7869243	0.1238029	13	0.96375538
ENSG00000241449	7	RP11-545G3.1	149737610	rs7796699	7	149740837	C	T	0.867793	0.00692764	0.0114745	0.546016	-1.51941	0.137408	2.01E-28	-0.0045594	0.00756319	0.5466123	0.3243239	10	0.89269961
ENSG00000127399	7	LRRC61	150019728	rs1962004	7	150020381	A	G	0.253479	-0.0084057	0.00915145	0.358353	1.02814	0.0801388	1.12E-37	-0.0081756	0.00892376	0.359582	0.5601225	20	0.83426107
ENSG00000261305	7	RP4-584D14.7	150038860	rs3735169	7	150034378	G	A	0.245527	-0.0112503	0.00913856	0.218292	1.02748	0.104612	9.07E-23	-0.0109494	0.00896374	0.2218883	0.7530709	20	0.75497764
ENSG00000106565	7	TMEM176B	150488373	rs55947915	7	150506458	A	C	0.0914513	0.0217828	0.0119055	0.0673023	-0.465239	0.081528	1.15E-08	-0.0468207	0.0268732	0.08145967	0.00131475	6	0.59111468
ENSG00000055118	7	KCNH2	150642049	rs11771808	7	150675868	G	A	0.576541	-0.0152062	0.0085781	0.0762816	-0.383207	0.057264	2.20E-11	0.0396814	0.0231571	0.08660684	0.292327	20	0.59649551
ENSG00000164889	7	SLC4A2	150754297	rs2069442	7	150755205	C	G	0.265408	-0.0183126	0.00884406	0.0383946	0.373392	0.0583646	1.58E-10	-0.0490439	0.0248954	0.04883859	0.4859735	7	0.53502872
ENSG00000244151	7	RP11-148K1.12	150771829	rs7262	7	150773807	T	A	0.466203	-0.0123852	0.0080905	0.125811	0.808319	0.0952974	2.21E-17	-0.0153222	0.0101707	0.1319404	0.2488338	5	0.67495201
ENSG00000261455	7	LINC01003	152160871	rs3087586	7	152162209	C	A	0.353877	-0.0087098	0.00825885	0.291605	-0.507029	0.0545932	1.58E-20	0.0171782	0.0163934	0.2946972	0.3125026	17	0.8051437
ENSG00000196584	7	XRCC2	152341864	rs3218384	7	152373252	G	C	0.200795	0.0206845	0.00957519	0.030756	0.912562	0.0758035	2.23E-33	0.0226664	0.0106602	0.03348185	0.4604041	17	0.48597966
ENSG00000273344	7	PAXIP1-AS1	154795158	rs306291	7	154801107	T	C	0.345924	0.00190646	0.00863422	0.825246	-0.394434	0.0646901	1.08E-09	-0.0048334	0.0219045	0.8253586	0.057902	10	0.97052125
ENSG00000273117	7	AC144652.1	155087628	rs62480666	7	155137546	T	C	0.701789	-0.0001542	0.00897516	0.986294	0.582048	0.0968173	1.83E-09	-0.0002649	0.01542	0.9862943	0.4239156	9	0.99692162

ENSG00000236544	7	AC008060.8	155213901	rs4717009	7	155243808	A	C	0.673956	0.00062039	0.00841208	0.94121	0.59454	0.0826332	6.25E-13	0.00104347	0.0141496	0.941213	0.8728611	3	0.98845818
ENSG00000182648	7	LINC01006	156264890	rs6980337	7	156434546	G	A	0.39165	-0.0083835	0.00808293	0.29965	-0.870493	0.0740492	6.61E-32	0.00963073	0.00932153	0.3015244	0.5735671	20	0.80750206
ENSG00000146909	7	NOM1	156742417	rs10260387	7	156764039	C	T	0.570577	0.0135169	0.00808645	0.094615	0.572432	0.0564774	3.84E-24	0.0236131	0.0143173	0.09909209	0.5124165	20	0.63173512
ENSG00000146918	7	NCAPG2	158424003	rs76587633	7	158471852	C	T	0.0974155	0.0255762	0.0170961	0.134646	-0.680738	0.112136	1.27E-09	-0.0375713	0.0258654	0.1463438	0.7265337	10	0.68835807
ENSG00000117868	7	ESYT2	158523686	rs13242353	7	158519114	T	G	0.16998	-0.0013496	0.010446	0.897203	0.501123	0.075224	2.71E-11	-0.0026931	0.0208491	0.8972219	0.260245	20	0.98098987
ENSG00000126870	7	WDR60	158649269	rs2657381	7	158651087	A	G	0.234592	0.0108228	0.00934299	0.246704	-0.857639	0.0822888	1.96E-25	-0.0126193	0.0109609	0.2496097	0.7753493	20	0.77306764
ENSG00000223508	8	RPL23AP53	163186	rs11776856	8	156703	T	C	0.661034	-0.0039167	0.00844596	0.642834	-0.442433	0.0555151	1.59E-15	0.00885271	0.0191221	0.6433952	0.141755	20	0.92500067
ENSG00000272293	8	RP11-91J19.3	400714	rs59983968	8	389165	T	G	0.10338	0.0133453	0.0132755	0.314773	-0.880662	0.14447	1.09E-09	-0.0151537	0.0152781	0.3212652	0.03691416	11	0.81754566
ENSG00000180190	8	TDRP	439803	rs10105131	8	494804	G	C	0.7167	0.00962555	0.0085559	0.260581	0.450907	0.0739932	1.10E-09	0.0213471	0.0192955	0.2685864	0.9729501	3	0.78217005
ENSG00000104714	8	ERICH1	564746	rs1703896	8	642357	G	A	0.239563	0.0210861	0.0098483	0.0322664	-0.613596	0.112261	4.61E-08	-0.0343648	0.0172376	0.04619689	0.9158395	19	0.5317833
ENSG00000182372	8	CLN8	1703944	rs6558535	8	1710632	C	T	0.688867	0.0139258	0.00951819	0.143448	0.450101	0.0660611	9.53E-12	0.0309393	0.0216288	0.1525839	0.1324179	14	0.69271049
ENSG00000253982	8	CTD-2336O2.1	1710156	rs6558535	8	1710632	C	T	0.688867	0.0139258	0.00951819	0.143448	0.675	0.0708937	1.71E-21	0.0206308	0.0142665	0.1481494	0.3109421	20	0.68835807
ENSG00000104728	8	ARHGEF10	1772142	rs3817693	8	1807864	G	A	0.293241	0.0139804	0.00891806	0.116962	0.90284	0.0870231	3.23E-25	0.0154849	0.00998991	0.1211284	0.6673397	11	0.66559302
ENSG00000176595	8	KBTBD11	1922044	rs6999840	8	1904264	T	C	0.324056	0.00318613	0.00857172	0.710114	-0.864745	0.0862124	1.12E-23	-0.0036845	0.00991923	0.7103042	0.1343514	20	0.94276983
ENSG00000270988	8	RP11-439C15.5	1922984	rs13268460	8	1911072	C	A	0.314115	0.00485074	0.0084674	0.566731	-0.559282	0.0997082	2.03E-08	-0.0086732	0.0152185	0.5687402	0.8052135	9	0.89751123
ENSG00000036448	8	MYOM2	1993155	rs1822036	8	2001704	G	A	0.423459	-0.0022767	0.00868995	0.793325	1.15382	0.0964606	5.65E-33	-0.0019732	0.00753327	0.7933723	0.898609	20	0.96375538
ENSG00000254319	8	RP11-134O21.1	2523591	rs7463885	8	2585696	T	C	0.382704	-0.0063204	0.00871816	0.468468	-0.637089	0.105894	1.78E-09	0.00992081	0.0137834	0.4716683	0.7496979	4	0.87541091
ENSG00000253853	8	GS1-57L11.1	2584858	rs62490172	8	2588443	G	T	0.372763	-0.0059215	0.0086638	0.494303	-0.570304	0.102267	2.45E-08	0.0103831	0.0153052	0.4975153	0.7214767	6	0.88088085
ENSG00000147316	8	MCPH1	6264113	rs74607633	8	6315292	T	A	0.163022	-0.0024579	0.0140999	0.861615	0.68058	0.0893749	2.64E-14	-0.0036115	0.0207229	0.8616507	0.5542515	16	0.9761713
ENSG00000164825	8	DEFB1	6728097	rs2702884	8	6738892	C	T	0.638171	0.00724703	0.00822944	0.378522	-0.499685	0.0821565	1.19E-09	-0.0145032	0.016641	0.3834624	0.6192183	7	0.83909361
ENSG00000233295	8	FAM90A20P	7152536	rs181776644	8	7163005	A	T	0.0735586	0.0229737	0.0159143	0.148856	-0.802726	0.137554	5.36E-09	-0.0286196	0.0204229	0.1611098	0.915772	5	0.69993711
ENSG00000249188	8	ENPP7P1	8011830	rs1878561	8	8092405	C	A	0.480119	0.0135828	0.0082802	0.100923	-0.588037	0.106234	3.11E-08	-0.0230985	0.0146864	0.1157688	0.7686872	9	0.65779296
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-0.947364	0.0934518	3.77E-24	-0.0196335	0.00890675	0.02750031	0.9981877	20	0.45322628
ENSG00000173295	8	FAM86B3P	8086117	rs2980441	8	8095129	C	G	0.487078	0.0128892	0.00823031	0.117333	-0.799797	0.0653135	1.78E-34	-0.0161156	0.0103743	0.1203245	0.09465102	20	0.66559302
ENSG00000253981	8	ALG1L13P	8093525	rs2980441	8	8095129	C	G	0.487078	0.0128892	0.00823031	0.117333	-0.545684	0.0850092	1.37E-10	-0.0236203	0.0155249	0.1281493	0.1610596	20	0.67241464
ENSG00000233609	8	RP11-62H7.2	8818710	rs13259143	8	8821637	G	A	0.361829	0.0113233	0.00813056	0.163717	0.705868	0.116904	1.56E-09	0.0160417	0.011821	0.1747641	0.07753683	20	0.71107211
ENSG00000261451	8	RP11-981G7.1	10291182	rs17711111	8	10314986	C	A	0.256461	-0.0081536	0.00916015	0.373403	-0.736941	0.0737465	1.64E-23	0.0110641	0.0124792	0.375291	0.02779636	20	0.83735401
ENSG00000253678	8	RP11-981G7.3	10335001	rs6601468	8	10336140	G	A	0.677932	0.0101776	0.00853338	0.232993	-0.807907	0.0676847	7.65E-33	-0.0125975	0.0106149	0.2353178	0.3203724	20	0.76051447
ENSG00000253649	8	PRSS51	10340388	rs4294152	8	10352062	T	C	0.318091	0.00688868	0.00854159	0.419962	0.313198	0.0487038	1.27E-10	0.0219946	0.0274858	0.4235843	0.1871853	14	0.8584192
ENSG00000272505	8	RP11-981G7.6	10344317	rs73662838	8	10357609	A	G	0.0924453	-0.0156202	0.013576	0.249908	-0.658202	0.108352	1.24E-09	0.0237316	0.0209926	0.2582758	0.4295947	7	0.77529567
ENSG00000184647	8	PRSS55	10383056	rs62490633	8	10341150	G	C	0.0994036	-0.01858	0.0135023	0.168804	1.44268	0.132078	8.96E-28	-0.0128788	0.00943315	0.172168	0.04511773	20	0.71004558
ENSG00000171056	8	SOX7	10581278	rs7018288	8	10584446	A	G	0.542744	-0.0077808	0.00810863	0.337269	0.460161	0.0804175	1.05E-08	-0.016909	0.0178673	0.3439646	0.5585975	20	0.83006011
ENSG00000269918	8	AF131215.9	10962201	rs17724467	8	10975682	G	C	0.527833	-0.0173752	0.00817719	0.0336001	-0.241932	0.0410065	3.64E-09	0.0718185	0.0359248	0.04559359	0.230985	20	0.52780376
ENSG00000255310	8	AF131215.2	10965298	rs17724467	8	10975682	G	C	0.527833	-0.0173752	0.00817719	0.0336001	-0.249744	0.0394861	2.53E-10	0.069572	0.0345406	0.0439874	0.7026097	20	0.52475565
ENSG00000255020	8	AF131216.5	11203257	rs7815463	8	11210983	G	A	0.459245	0.012054	0.00806805	0.135166	0.40808	0.0566673	5.96E-13	0.0295383	0.0201918	0.1434976	0.1309241	20	0.68835807
ENSG00000205882	8	DEFB134	11850692	rs7829043	8	11860625	T	C	0.620278	0.00451487	0.00873033	0.605054	0.788618	0.0996836	2.55E-15	0.00572504	0.011094	0.6058221	0.03572697	20	0.91287911
ENSG00000255174	8	RP11-481A20.4	11856596	rs10103228	8	11860251	G	T	0.624254	0.00421308	0.00873259	0.629483	0.818011	0.0864627	3.05E-21	0.0051504	0.0106893	0.6299276	0.2112756	20	0.92034788
ENSG00000254507	8	RP11-481A20.10	11860909	rs11250186	8	11853596	G	A	0.562624	0.00541365	0.00852282	0.525301	0.879212	0.0827489	2.28E-26	0.00615739	0.00971101	0.5260399	0.02782806	20	0.88710629
ENSG00000255495	8	FAM85A	12051976	rs3988873	8	11986310	A	T	0.224652	-0.0126636	0.0132716	0.339989	0.729053	0.114541	1.95E-10	-0.0173699	0.0184073	0.345352	0.8294557	5	0.83006011
ENSG00000227888	8	FAM66A	12219527	rs140730217	8	12173144	A	G	0.628231	0.00720517	0.0118116	0.541856	0.812405	0.0991756	2.58E-16	0.00886894	0.0145793	0.5429729	0.4672213	20	0.89016904
ENSG00000255556	8	RP11-351I21.6	12236188	rs189148572	8	12193572	G	A	0.293241	0.00520488	0.0114129	0.648352	-0.632995	0.084096	5.19E-14	-0.0082226	0.0180631	0.6489527	0.04193747	20	0.92641321
ENSG00000251402	8	FAM90A25P	12272589	rs35159348	8	12185865	G	A	0.370775	0.00010527	0.0109578	0.992335	-0.642137	0.100253	1.50E-10	-0.0001639	0.0170646	0.9923353	0.02136601	20	0.99876374
ENSG00000251468	8	RP11-369K16.1	12815896	rs2954193	8	12818373	C	T	0.863817	-0.0089444	0.0105343	0.395841	0.622808	0.0991168	3.31E-10	-0.0143614	0.0170679	0.4001088	0.07135892	18	0.84423725
ENSG00000104723	8	TUSC3	15274724	rs9657257	8	15470113	A	G	0.298211	0.00597583	0.00864948	0.489636	-0.43389	0.0588041	1.60E-13	-0.0137727	0.0200219	0.4915283	0.2707661	20	0.88075338
ENSG00000038945	8	MSR1	15965387	rs2687581	8	16460684	T	G	0.539761	0.00992806	0.00819008	0.225434	0.511434	0.0859803	2.71E-09	0.0194122	0.0163431	0.2349156	0.801074	19	0.76051447
ENSG00000198791	8	CNOT7	17086737	rs73200936	8	17121711	A	C	0.0656064	0.0185374	0.0160384	0.247757	0.963277	0.115864	9.26E-17	0.0192441	0.01681	0.2522905	0.510666	20	0.77529567
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.977002	0.0753973	2.12E-38	0.00521696	0.00863528	0.5457473	0.1585709	20	0.89185323
ENSG00000104763	8	ASAH1	17913934	rs2299607	8	17926160	A	G	0.479125	0.0143028	0.00816656	0.0798804	-0.358198	0.053013	1.41E-11	-0.0399299	0.0235525	0.09000731	0.2649934	17	0.61046849
ENSG00000245281	8	CTD-2547L16.1	17942377	rs17126208	8	17941237	G	C	0.0397614	0.0440331	0.0199597	0.0273766	-1.1265	0.181203	5.07E-10	-0.0390884	0.0188009	0.03761044	0.7758713	6	0.50417602
ENSG00000171428	8	NAT1	18027986	rs6992958	8	18356519	C	G	0.654076	-0.0112132	0.00818277	0.17058	0.628415	0.108776	7.60E-09	-0.0178436	0.0133826	0.1824182	0.4795816	8	0.72018284
ENSG00000271654	8	RP11-685B14.3	18244618	rs2029830	8	18354947	T	C	0.326044	0.00946504	0.0083113	0.25478	-0.627448	0.0930665	1.56E-11	-0.015085	0.0134338	0.2614762	0.2834425	16	0.77529567
ENSG00000156011	8	PSD3	18384811	rs2029830	8	18354947	T	C	0.326044	0.00946504	0.0083113	0.25478	-0.357245	0.0442029	6.38E-16	-0.0264945	0.0234948	0.2594569	0.4265497	20	0.77529567
ENSG00000104613	8	INTS10	19674651	rs6980875	8	19685948	T	C	0.647117	-0.0003364	0.00861728	0.968857	0.644467	0.0610307	4.58E-26	-0.000522	0.0133713	0.9688574	0.8636835	20	0.99005812
ENSG00000168490	8	PHYHIP	22077222	rs4872427	8	22086164	C	T	0.883698	-0.0197825	0.0140146	0.15808	-0.463671	0.0587573	2.99E-15	0.042665	0.0307051	0.1646781	0.1382531	9	0.70109631
ENSG00000197181	8	PIWIL2	22132810	rs4871990	8	22132837	T	C	0.569583	-0.001686	0.00846056	0.842048	-0.751895	0.0951742	2.78E-15	0.00224229	0.0112559	0.8420979	0.2996294	17	0.97376482
ENSG00000120910	8	PPP3CC	22298332	rs2122880	8	22375042	A	C	0.451292	0.00568563	0.00811313	0.483432	-0.418637	0.0618883	1.34E-11	-0.0135813	0.0194836	0.4857635	0.240294	20	0.87851987
ENSG00000147439	8	BIN3	22477931	rs1809452	8	22491397	A	G	0.332008	-0.0011245	0.00905574	0.901179	0.515653	0.0817041	2.77E-10	-0.0021807	0.0175651	0.9011981	0.2649357	13	0.98098987
ENSG00000134020	8	PEBP4	22570769	rs2175192	8	22785159	A	G	0.188867	-0.0183523	0.010148	0.0705326	-0.505713	0.0886384	1.16E-08	0.03629	0.0210507	0.08472017	0.5897706	4	0.59548107
ENSG00000008853	8	RHOBTB2	22844930	rs2313571	8	22789184	T	C	0.359841	-0.0065437	0.00879397	0.456808	-0.386898	0.0644358	1.92E-09	0.0169132	0.0229033	0.4602331	0.03265035	4	0.87178458
ENSG00000147457	8	CHMP7	23101150	rs73224413	8	23108406	G	A	0.256461	-0.023862	0.00867656	0.00595648	-0.574443	0.082478	3.29E-12	0.0415394	0.0162392	0.01052852	0.00992595	16	0.3476779
ENSG00000197217	8	ENTPD4	23243296	rs10089929	8	23316765	A	G	0.0437376	-0.0271566	0.0158812	0.087267	-0.690541	0.126027	4.27E-08	0.0393266	0.0240921	0.1026077	0.3276864	5	0.63826532
ENSG00000228451	8	SDAD1P1	26236775	rs11774142	8	26274581	C	T	0.101392	0.00153021	0.0109625	0.888987	1.23878	0.133774	2.04E-20	0.00123526	0.00885044	0.8889997	0.7196671	12	0.97923901
ENSG00000240694	8	PNMA2	26362202	rs2241910	8	26323767	G	C	0.159046	0.02421	0.0102083	0.0177109	1.08254	0.0939045	9.52E-31	0.0223641	0.00962743	0.02018169	0.7143064	20	0.40541454
ENSG00000104228	8	TRIM35	27142404	rs4279551	8	27144732	G	C	0.0974155	-0.0270004	0.0178433	0.13023	0.675147	0.120895	2.34E-08	-0.0399919	0.0273818	0.1441446	0.525986	4	0.68835807
ENSG00000120903	8	CHRNA2	27317279	rs11780471	8	27344719	A	G	0.0755467	-0.0352571	0.0164031	0.0316017	1.19886	0.17385	5.35E-12	-0.0294089	0.0143315	0.04016512	0.06422625	20	0.51210082
ENSG00000120915	8	EPHX2	27348296	rs56892563	8	27404125	A	G	0.0606362	0.0419307	0.0180278	0.0200244	1.02943	0.135899	3.59E-14	0.040732	0.0183194	0.02618624	0.07711618	11	0.44343476
ENSG00000147419	8	CCDC25	27590835	rs17385236	8	27587944	C	G	0.467197	-0.0209695	0.00805149	0.0092028	0.372814	0.049309	4.01E-14	-0.0562465	0.0228419	0.01380002	0.5519923	7	0.37299146
ENSG00000134014	8	ELP3	27947190	rs13251987	8	27935535	T	C	0.326044	0.00597026	0.00881807	0.498375	0.572475	0.0636161	2.28E-19	0.0104289	0.0154469	0.4995867	0.8741133	15	0.88088085
ENSG00000168081	8	PNOC	28174503	rs17058952	8	28174354	G	A	0.369781	0.00402505	0.00875717	0.645782	-0.525482	0.0664488	2.61E-15	-0.0076597	0.0166931	0.6463385	0.5870832	4	0.92641321
ENSG00000248159	8	HSPA8P11	30094898	rs12548744	8	30041916	G	A	0.0964215	-0.0255648	0.013748	0.0629521	0.741485	0.112379	4.16E-11	-0.0344778	0.0192634	0.07348496	0.4760635	6	0.56880371
ENSG00000104687	8	GSR	30535583	rs2343688	8	30582868	G	T	0.823062	0.00527863	0.00955017	0.580452	-0.744657	0.0737667	5.83E-24	-0.0070887	0.0128441	0.5810171	0.1067966	20	0.9004891
ENSG00000272338	8	RP11-722E23.2	33218361	rs2732315	8	33313329	A	G	0.666004	-0.0068091	0.00844978	0.420337	-0.314601	0.0542383	6.62E-09	0.0216437	0.0271167	0.4247717	0.7279019	14	0.8584192
ENSG00000085788	8	DDHD2	38082736	rs2898674	8	38110215	C	T	0.254473	-0.014145	0.0102942	0.169419	0.258924	0.0363948	1.12E-12	-0.0546299	0.0404924	0.1772917	0.8172286	5	0.71439664
ENSG00000147535	8	PPAPDC1B	38120648	rs9198	8	38120721	C	T	0.256461	-0.0136771	0.010372	0.187282	0.470069	0.078388	2.01E-09	-0.0290959	0.022592	0.1977857	0.686139	8	0.73350751
ENSG00000239218	8	RPS20P22	38291865	rs112537273	8	38248306	C	T	0.237575	-0.0114887	0.0105952	0.278218	0.3706	0.0672984	3.65E-08	-0.0310003	0.0291383	0.2873732	0.6920383	7	0.79571309
ENSG00000253361	8	RP11-675F6.3	38401170	rs13255758	8	38384182	G	A	0.816103	-0.0085117	0.0107979	0.430539	0.453787	0.0720225	2.96E-10	-0.0187569	0.0239806	0.4341139	0.8677166	10	0.86298249
ENSG00000254100	8	RP11-675F6.4	38409766	rs76006945	8	38482963	G	C	0.0159046	0.0576033	0.0465059	0.215485	-0.947801	0.170657	2.79E-08	-0.0607757	0.0502726	0.2266923	0.7481948	4	0.75779347
ENSG00000147526	8	TACC1	38585704	rs13252226	8	38606606	A	G	0.152087	-0.0082721	0.0120197	0.491316	-0.335254	0.0608019	3.51E-08	0.0246742	0.0361307	0.4946598	0.6154511	3	0.88088085
ENSG00000169490	8	TM2D2	38846327	rs4733958	8	38816499	C	T	0.66004	0.00403658	0.0085189	0.635615	0.416015	0.0524356	2.12E-15	0.00970297	0.0205139	0.6362165	0.5759769	15	0.92237337
ENSG00000029534	8	ANK1	41510739	rs7826127	8	41580607	C	T	0.351889	-0.0056424	0.00878826	0.520849	0.411056	0.0669544	8.29E-10	-0.0137266	0.0214963	0.5231125	0.3035887	19	0.88693216
ENSG00000070718	8	AP3M2	42010464	rs4481580	8	42031886	A	G	0.399602	0.00855778	0.0081936	0.296279	-0.319052	0.0521825	9.71E-10	-0.0268225	0.0260531	0.303229	0.2411192	5	0.80750206
ENSG00000176209	8	SMIM19	42396298	rs2974334	8	42438065	T	C	0.583499	-0.0008088	0.00823697	0.92178	-0.376321	0.0415999	1.48E-19	0.00214923	0.0218894	0.9217849	0.5906711	20	0.98243811
ENSG00000147432	8	CHRNB3	42552519	rs7012713	8	42592303	C	T	0.966203	-0.0067098	0.0313389	0.830466	-2.0741	0.259833	1.43E-15	0.00323504	0.0151151	0.8305258	0.07618865	14	0.97248978
ENSG00000147434	8	CHRNA6	42607763	rs7012713	8	42592303	C	T	0.966203	-0.0067098	0.0313389	0.830466	-1.9766	0.250445	2.97E-15	0.00339461	0.0158608	0.8305272	0.04994826	16	0.97248978
ENSG00000104738	8	MCM4	48872745	rs762679	8	48885436	A	T	0.84493	0.0040172	0.01075	0.708632	0.462685	0.0707972	6.35E-11	0.00868237	0.0232719	0.7090862	0.2829137	4	0.94206936
ENSG00000034239	8	EFCAB1	49623348	rs13269609	8	49686049	T	C	0.605368	0.00086289	0.00828006	0.917001	-0.703189	0.0841932	6.71E-17	-0.0012271	0.0117759	0.9170069	0.5813682	7	0.98098987
ENSG00000147481	8	SNTG1	50822349	rs7005871	8	50137189	A	T	0.480119	0.00576137	0.00806774	0.47515	0.578245	0.0956936	1.52E-09	0.00996355	0.0140492	0.4782071	0.8486729	13	0.87699866
ENSG00000168300	8	PCMTD1	52730140	rs3763547	8	52812343	G	A	0.892644	-0.0061767	0.0129355	0.633006	0.728207	0.0899322	5.62E-16	-0.0084821	0.0177944	0.6335942	0.5993231	20	0.92236911
ENSG00000082556	8	OPRK1	54138284	rs6473799	8	54153123	G	A	0.237575	-0.0050244	0.00902627	0.57777	0.624937	0.0997591	3.74E-10	-0.0080399	0.0145004	0.5792637	0.5707594	10	0.9004891
ENSG00000254087	8	LYN	56792372	rs28610902	8	56773800	G	A	0.168986	0.0223886	0.0125404	0.0742113	-0.560315	0.101465	3.35E-08	-0.0399572	0.0235215	0.08936681	0.6806309	20	0.60840161
ENSG00000236814	8	RP11-446E9.1	56962597	rs2719263	8	56944687	T	C	0.227634	0.0102132	0.0107116	0.340353	-0.706713	0.0746872	3.01E-21	-0.0144517	0.0152337	0.34279	0.176592	20	0.82827442
ENSG00000008988	8	RPS20	56979854	rs72653986	8	57035048	C	T	0.223658	0.00987481	0.0107057	0.356326	0.259119	0.0472396	4.13E-08	0.0381092	0.0418958	0.3630246	0.8093525	7	0.83426107
ENSG00000181195	8	PENK	57349233	rs1025116	8	57755431	A	G	0.236581	0.0174188	0.00861838	0.0432663	-0.581372	0.0988286	4.04E-09	-0.0299615	0.0156748	0.0559466	0.9050881	5	0.5488752
ENSG00000177182	8	CLVS1	61969717	rs2931288	8	62187703	T	C	0.329026	-0.0038476	0.00807714	0.633824	-0.457794	0.0546343	5.33E-17	0.00840457	0.0176721	0.6343708	0.8904684	20	0.92237337
ENSG00000137563	8	GGH	63927638	rs35791650	8	63965448	G	A	0.27833	0.006757	0.00929804	0.467402	0.488031	0.0562414	4.05E-18	0.0138454	0.0191188	0.468957	0.6290517	20	0.87393624
ENSG00000272010	8	CTD-3025N20.3	66504085	rs7464223	8	66521890	T	C	0.38668	-0.0151571	0.00859487	0.0778162	-0.434761	0.0508822	1.29E-17	0.0348631	0.0201859	0.08414901	0.8049362	20	0.59548107
ENSG00000104442	8	ARMC1	66514694	rs111973009	8	66475490	C	T	0.383698	-0.0105137	0.00869057	0.226364	0.350629	0.0466424	5.59E-14	-0.0299853	0.0251046	0.2323159	0.3171219	18	0.76040779
ENSG00000147576	8	ADHFE1	67342420	rs2465990	8	67381619	C	T	0.501988	0.0032705	0.00808445	0.685815	0.55231	0.0527498	1.18E-25	0.00592149	0.0146484	0.6860359	0.6984363	20	0.93565052
ENSG00000248801	8	RP11-664D7.4	69215703	rs2676648	8	69295941	C	G	0.150099	-0.0194957	0.0116735	0.094903	0.786204	0.115914	1.18E-11	-0.0247973	0.0152914	0.1048791	0.06988358	8	0.63826532
ENSG00000165084	8	C8orf34	69242957	rs2676648	8	69295941	C	G	0.150099	-0.0194957	0.0116735	0.094903	0.759779	0.110154	5.29E-12	-0.0256597	0.0158083	0.1045513	0.9519787	3	0.63826532
ENSG00000221947	8	XKR9	71581600	rs17689585	8	71818801	C	T	0.514911	-0.0163111	0.00804571	0.0426314	0.766809	0.0884465	4.33E-18	-0.0212714	0.0107755	0.04837582	0.6803644	9	0.53502872
ENSG00000040341	8	STAU2	74332604	rs7834451	8	74722418	A	G	0.130219	0.0248137	0.0126748	0.050262	0.29505	0.0460658	1.50E-10	0.0841	0.04492	0.06117683	0.6432882	10	0.55267744
ENSG00000104343	8	UBE2W	74692332	rs6983756	8	74800786	G	A	0.131213	0.0264857	0.0126318	0.0360164	0.625871	0.0889009	1.92E-12	0.0423181	0.0210589	0.04448235	0.7833111	12	0.52532758
ENSG00000104432	8	IL7	79587978	rs1441850	8	79657666	C	T	0.285288	-0.0109287	0.00910778	0.230167	-0.762836	0.0750504	2.86E-24	0.0143264	0.0120223	0.2333965	0.1660589	11	0.76051447
ENSG00000254352	8	RP11-578O24.2	79636031	rs1441850	8	79657666	C	T	0.285288	-0.0109287	0.00910778	0.230167	-0.897758	0.0963411	1.18E-20	0.0121733	0.0102288	0.2340055	0.2035698	15	0.76051447
ENSG00000272138	8	RP11-27N21.3	80680377	rs2247008	8	80714713	A	C	0.657058	0.0142034	0.00849471	0.0945192	-0.549267	0.0971954	1.59E-08	-0.0258588	0.0161283	0.1088635	0.2733841	3	0.64843405
ENSG00000104231	8	ZFAND1	82613569	rs60648888	8	82625380	T	C	0.202783	-0.0066365	0.00937951	0.479223	-0.439655	0.0656726	2.16E-11	0.0150948	0.0214526	0.4816614	0.1691477	11	0.87804645
ENSG00000104497	8	SNX16	82711816	rs4739831	8	82808312	T	C	0.574553	-0.025836	0.00877212	0.00322701	-0.504312	0.0661364	2.43E-14	0.0512302	0.0186466	0.00600653	0.03508031	18	0.28830874
ENSG00000133739	8	LRRCC1	86019382	rs7000849	8	86069494	G	A	0.0924453	0.00668583	0.0127188	0.59912	0.569497	0.0822624	4.42E-12	0.0117399	0.0223977	0.6001698	0.4943867	8	0.90991337
ENSG00000185015	8	CA13	86132816	rs11261471	8	86200979	C	T	0.661034	0.0103558	0.0092516	0.262989	-0.497648	0.0814618	1.00E-09	-0.0208095	0.0189002	0.2708869	0.4861745	18	0.78416677
ENSG00000164879	8	CA3	86285665	rs12541445	8	86201809	T	C	0.66004	0.011556	0.00925962	0.212031	0.714477	0.0973877	2.19E-13	0.0161741	0.0131462	0.2185754	0.2027261	11	0.75497764
ENSG00000176623	8	RMDN1	87480486	rs12546802	8	87499335	A	T	0.26839	0.0154206	0.00922486	0.0945976	0.665572	0.0660161	6.64E-24	0.0231689	0.0140493	0.09912291	0.5496855	20	0.63173512
ENSG00000250569	8	NTAN1P2	87493983	rs7820697	8	87502855	C	A	0.550696	0.00630897	0.00823167	0.443423	-0.573719	0.0783325	2.40E-13	-0.0109966	0.0144263	0.4459022	0.6303801	10	0.86795298
ENSG00000085719	8	CPNE3	87497059	rs10106390	8	87556064	C	T	0.255467	-0.0084709	0.00885238	0.338615	-0.409958	0.0517928	2.47E-15	0.0206628	0.0217506	0.3421181	0.2853027	11	0.82819565
ENSG00000254088	8	SLC2A3P4	87515820	rs6999022	8	87523170	T	C	0.455268	0.00618023	0.00805305	0.44282	0.563693	0.0999288	1.69E-08	0.0109638	0.0144178	0.4469949	0.9814088	5	0.86795298
ENSG00000251136	8	RP11-37B2.1	90621638	rs40459	8	90846226	A	G	0.692843	-0.0033121	0.00860686	0.700372	-0.553581	0.082311	1.75E-11	0.00598299	0.015573	0.7008383	0.01635413	16	0.94116663
ENSG00000253704	8	RP11-267M23.4	95565950	rs56716157	8	95542872	T	C	0.298211	0.0193374	0.00843719	0.0219099	0.754571	0.113854	3.41E-11	0.025627	0.0118312	0.03030656	0.3232996	9	0.46866522
ENSG00000164941	8	INTS8	95825539	rs113338212	8	95878574	A	G	0.0367793	-0.0169981	0.0241428	0.481392	0.884289	0.112175	3.19E-15	-0.0192223	0.0274106	0.4831323	0.7384289	13	0.87816986
ENSG00000156170	8	NDUFAF6	95907995	rs6471502	8	95988484	A	G	0.559642	0.0097943	0.00810038	0.226618	0.432492	0.0652055	3.29E-11	0.0226462	0.0190382	0.2342378	0.4583007	15	0.76051447
ENSG00000245080	8	MIR3150B	96079036	rs13279040	8	96080389	C	A	0.171968	0.00317481	0.0105745	0.763999	1.31338	0.13125	1.42E-23	0.00241728	0.00805499	0.7641027	0.4896258	20	0.95728917
ENSG00000180543	8	TSPYL5	98285717	rs28669903	8	98289986	T	C	0.631213	0.0074462	0.00834107	0.372009	-0.425525	0.0705485	1.62E-09	-0.0174989	0.0198154	0.3771848	0.553121	9	0.83735401
ENSG00000104341	8	LAPTM4B	98787285	rs2331593	8	98786186	T	G	0.290258	0.00172214	0.00891452	0.846815	-0.393101	0.0583534	1.62E-11	-0.0043809	0.0226868	0.8468773	0.6015104	6	0.9761713
ENSG00000104450	8	SPAG1	101170134	rs7822587	8	101199029	A	G	0.21173	0.0116883	0.00922727	0.205257	0.582561	0.0781982	9.35E-14	0.0200636	0.0160665	0.2117422	0.04013453	11	0.74515605
ENSG00000034677	8	RNF19A	101269288	rs1788166	8	101317952	G	A	0.632207	0.021218	0.0085337	0.0129051	-0.292956	0.0489484	2.16E-09	-0.0724273	0.0315433	0.021669	0.7311089	3	0.4128198
ENSG00000174226	8	SNX31	101585116	rs1693551	8	101675584	C	T	0.467197	-0.003388	0.00813056	0.676895	0.54283	0.0718728	4.26E-14	-0.0062414	0.0150009	0.6773576	0.6685765	14	0.93468019
ENSG00000164924	8	YWHAZ	101928753	rs4734500	8	101970119	T	C	0.586481	-0.012527	0.00807781	0.120952	-0.325303	0.0376528	5.64E-18	0.0385087	0.0252285	0.1269112	0.394009	14	0.66962533
ENSG00000266289	8	RP11-1C8.6	104395306	rs2575691	8	104389636	C	A	0.524851	-0.0005533	0.00805165	0.945214	-0.596549	0.0691669	6.42E-18	0.00092749	0.0134975	0.9452158	0.3984288	20	0.98914565
ENSG00000261670	8	RP11-1C8.5	104476617	rs4517090	8	104472461	G	A	0.384692	0.0104868	0.00811316	0.19616	-0.580729	0.0815547	1.07E-12	-0.018058	0.0141989	0.20345	0.6238461	12	0.74155842
ENSG00000271830	8	RP11-1C8.7	104493494	rs35667758	8	104508704	T	A	0.38668	0.0104774	0.00810571	0.196149	0.74895	0.0675959	1.57E-28	0.0139895	0.0108962	0.1991813	0.698894	20	0.73394554
ENSG00000253477	8	RP11-1C8.4	104495626	rs12544166	8	104480038	T	C	0.38668	0.010549	0.00810726	0.193196	0.570213	0.0617839	2.73E-20	0.0185001	0.0143586	0.1975938	0.3016663	20	0.73350751
ENSG00000104412	8	EMC2	109455830	rs16878164	8	109587930	T	C	0.306163	-0.0012398	0.00906025	0.891159	0.427212	0.0648952	4.61E-11	-0.002902	0.0212124	0.8911828	0.5362289	11	0.97935905
ENSG00000147642	8	SYBU	110586207	rs16879844	8	110648272	C	T	0.21173	-0.0067005	0.00984431	0.496095	-0.499029	0.0685925	3.46E-13	0.0134271	0.0198131	0.4979698	0.02330067	17	0.88088085
ENSG00000164796	8	CSMD3	113235157	rs6469455	8	114409171	T	C	0.666004	0.00718273	0.00882988	0.415956	-0.455332	0.0781951	5.78E-09	-0.0157747	0.0195805	0.4204538	0.242719	7	0.85707798
ENSG00000147679	8	UTP23	117778742	rs67676723	8	117773987	A	C	0.112326	-0.0063184	0.0125523	0.61471	-0.553891	0.0896834	6.57E-10	0.0114072	0.0227372	0.6158797	0.9487299	3	0.91549513
ENSG00000177570	8	SAMD12	119201698	rs13281564	8	119483316	G	A	0.494036	-0.0032347	0.00819394	0.693014	0.325011	0.0468879	4.16E-12	-0.0099526	0.0252521	0.6934851	0.5510637	4	0.93852872
ENSG00000147676	8	MAL2	120177273	rs2468171	8	120182492	A	G	0.682903	-0.0084087	0.00834284	0.313508	0.740258	0.0690652	8.36E-27	-0.0113591	0.0113199	0.3156377	0.1336681	20	0.81504933
ENSG00000136999	8	NOV	120428546	rs2465372	8	120186065	T	C	0.683897	-0.0081455	0.00834174	0.328829	0.766247	0.0873786	1.80E-18	-0.0106304	0.0109538	0.3318083	0.1376521	20	0.82473356
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.18291	0.100207	3.69E-32	-0.0045656	0.00818639	0.577044	0.5847395	20	0.9004891
ENSG00000172167	8	MTBP	121457640	rs7001860	8	121546707	C	T	0.313121	0.0131443	0.00854017	0.123776	0.932444	0.0615471	7.57E-52	0.0140966	0.00920605	0.1257118	0.4580145	13	0.66875442
ENSG00000156787	8	TBC1D31	124054208	rs1713732	8	124198844	C	T	0.911531	-0.0116738	0.0119871	0.330123	-0.637823	0.110392	7.57E-09	0.0183026	0.0190589	0.3368953	0.0939079	8	0.82540122
ENSG00000156795	8	WDYHV1	124428965	rs12541494	8	124429395	G	A	0.33499	0.00641574	0.00855715	0.453405	0.426119	0.0503315	2.53E-17	0.0150562	0.0201602	0.4551667	0.3589706	11	0.86795298
ENSG00000272486	8	RP11-532M24.1	125591872	rs4613980	8	125462350	G	A	0.083499	0.00072828	0.012133	0.952136	-0.905174	0.14937	1.36E-09	-0.0008046	0.0134047	0.9521385	0.6178589	8	0.98968811
ENSG00000153317	8	ASAP1	131064353	rs78498858	8	131143069	T	C	0.138171	-0.0021836	0.0105541	0.836091	0.482075	0.0766373	3.17E-10	-0.0045296	0.0219049	0.8361778	0.3034781	8	0.973482
ENSG00000253507	8	CTD-2501M5.1	132320792	rs13258129	8	132329651	C	T	0.822068	0.0129018	0.0105861	0.222943	0.928914	0.129867	8.50E-13	0.0138891	0.0115605	0.2295829	0.4419253	10	0.75838827
ENSG00000259820	8	AC083843.1	135804263	rs72721963	8	135798224	G	A	0.0765408	0.0255816	0.0164901	0.120822	-0.831957	0.126628	5.03E-11	-0.0307487	0.0203659	0.1310911	0.2620281	4	0.67404182
ENSG00000169398	8	PTK2	141667999	rs7815065	8	142039100	C	T	0.417495	-0.0019458	0.0083963	0.816739	-0.444556	0.0683265	7.70E-11	0.00437688	0.0188989	0.816853	0.6902215	5	0.96881317
ENSG00000171045	8	TSNARE1	143293441	rs7830524	8	143385797	T	C	0.164016	-0.0088639	0.0110923	0.424232	0.987731	0.102262	4.51E-22	-0.008974	0.0112684	0.425811	0.1295267	20	0.8584192
ENSG00000253741	8	CTD-2292P10.4	143783670	rs13272904	8	143782614	C	T	0.459245	0.00419643	0.00812855	0.605674	-0.50734	0.0596591	1.83E-17	-0.0082714	0.0160514	0.6063368	0.01247103	20	0.91287911
ENSG00000130193	8	THEM6	143808621	rs2585138	8	143808951	T	C	0.472167	0.0048927	0.00808513	0.545081	-0.609129	0.0570762	1.37E-26	-0.0080323	0.0132946	0.5457257	0.00839075	20	0.89185323
ENSG00000247317	8	RP11-273G15.2	144063155	rs55937049	8	144115083	C	G	0.356859	-0.019988	0.00842652	0.0176901	0.591949	0.101436	5.36E-09	-0.0337664	0.0153662	0.02798886	0.638658	9	0.45335316
ENSG00000177335	8	C8orf31	144120626	rs4454255	8	144174585	G	A	0.749503	-0.0022869	0.00975354	0.814622	-0.496981	0.0906174	4.15E-08	0.00460156	0.0196435	0.814788	0.3939549	5	0.96881317
ENSG00000176956	8	LY6H	144239331	rs7386207	8	144246027	T	C	0.601392	0.00394648	0.00860109	0.646353	0.605048	0.0848541	1.00E-12	0.00652259	0.014245	0.647033	0.3497752	8	0.92641321

ENSG00000253716	8	RP13-582O9.5	144362331	rs7387168	8	144365148	G	A	0.549702	0.000576	0.00819671	0.943978	-0.741405	0.078282	2.77E-21	-0.0007769	0.0110559	0.9439791	0.9319277	20	0.98860811
ENSG00000272172	8	RP13-582O9.7	144372569	rs3750217	8	144379252	A	C	0.489066	0.0016755	0.00809356	0.835997	-0.702375	0.117054	1.97E-09	-0.0023855	0.01153	0.8360931	0.5056177	13	0.973482
ENSG00000184428	8	TOP1MT	144386554	rs2235115	8	144378184	G	C	0.468191	-0.003576	0.00807005	0.657676	0.595749	0.0875904	1.04E-11	-0.0060026	0.0135748	0.6583545	0.1001527	15	0.92936161
ENSG00000104518	8	GSDMD	144635377	rs4874140	8	144571841	G	C	0.194831	-0.0117983	0.00960103	0.219127	-0.435454	0.0621967	2.54E-12	0.0270943	0.0223854	0.2261426	0.7194605	10	0.75779347
ENSG00000204839	8	MROH6	144648357	rs1809148	8	144663075	A	G	0.130219	-0.0026056	0.0111614	0.815411	-0.78139	0.0792524	6.24E-23	0.00333462	0.014288	0.815462	0.8556535	16	0.96881317
ENSG00000255050	8	RP11-661A12.9	144655660	rs10093709	8	144684215	G	A	0.803181	-0.0006868	0.00978006	0.944013	0.996159	0.0944694	5.37E-26	-0.0006895	0.00981799	0.9440143	0.5294897	20	0.98860811
ENSG00000147813	8	NAPRT1	144656955	rs10093709	8	144684215	G	A	0.803181	-0.0006868	0.00978006	0.944013	1.17378	0.090545	1.97E-38	-0.0005851	0.00833223	0.9440139	0.6565127	20	0.98860811
ENSG00000183309	8	ZNF623	144718183	rs13264944	8	144727351	C	T	0.77336	-0.0020776	0.00929199	0.82308	-0.550313	0.0741906	1.19E-13	0.00377522	0.0168926	0.8231592	0.8952864	13	0.96980295
ENSG00000181135	8	ZNF707	144766622	rs138832344	8	144766644	T	A	0.0188867	-0.00789	0.0382694	0.836659	1.95233	0.259028	4.80E-14	-0.0040413	0.0196092	0.8367194	0.8174991	3	0.97361371
ENSG00000180921	8	FAM83H	144806103	rs12541792	8	144852879	A	G	0.552684	0.00056554	0.00809104	0.944276	-0.872431	0.0810438	5.04E-27	-0.0006482	0.00927433	0.9442772	0.6293722	20	0.98860811
ENSG00000203499	8	FAM83H-AS1	144816310	rs6558390	8	144852565	T	G	0.195825	0.0003489	0.00927897	0.970005	0.804333	0.0882159	7.67E-20	0.00043378	0.0115363	0.9700057	0.7168197	20	0.99005812
ENSG00000254973	8	RP11-429J17.7	144840323	rs6558390	8	144852565	T	G	0.195825	0.0003489	0.00927897	0.970005	0.708802	0.0867868	3.16E-16	0.00049224	0.0130912	0.9700057	0.5892111	20	0.99005812
ENSG00000178209	8	PLEC	144989321	rs7014582	8	144990528	G	A	0.440358	0.00925976	0.00818987	0.258208	-0.379769	0.0422883	2.70E-19	-0.0243826	0.0217356	0.2619559	0.7983864	20	0.77564688
ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	1.50697	0.127473	3.01E-32	-0.0067525	0.00987181	0.4939642	0.8907253	6	0.88088085
ENSG00000179832	8	MROH1	145202919	rs62530366	8	145536056	G	A	0.389662	-0.0042651	0.00887443	0.630796	0.270049	0.0465728	6.69E-09	-0.0157938	0.032975	0.6319641	0.7369754	8	0.92152649
ENSG00000071894	8	CPSF1	145618444	rs13258200	8	145631197	C	A	0.368787	0.00236778	0.0083397	0.776474	-1.05369	0.0643604	3.05E-60	-0.0022471	0.00791595	0.7765069	0.5081292	18	0.96311298
ENSG00000147804	8	SLC39A4	145635126	rs6993649	8	145635534	A	G	0.446322	-0.0065658	0.00807206	0.415989	0.500034	0.0853889	4.74E-09	-0.0131307	0.016298	0.4204363	0.7881631	14	0.85707798
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	0.989195	0.0977226	4.39E-24	0.0125811	0.0177268	0.477875	0.02286378	13	0.87699866
ENSG00000160949	8	TONSL	145654165	rs741969	8	145668042	A	G	0.515905	-0.0129101	0.0080995	0.110949	0.333932	0.0551065	1.36E-09	-0.0386609	0.02508	0.1231945	0.9836345	10	0.66833899
ENSG00000167702	8	KIFC2	145691426	rs72697630	8	145678363	T	C	0.0765408	-0.0238873	0.014379	0.0966607	-0.558094	0.0882732	2.58E-10	0.0428016	0.0266391	0.1081153	0.6502821	8	0.64547139
ENSG00000255182	8	CTD-2517M22.14	145721001	rs186891026	8	145688501	A	C	0.102386	0.0112373	0.0119951	0.348851	0.695762	0.0965341	5.70E-13	0.0161511	0.0173853	0.3528843	0.05277752	20	0.83426107
ENSG00000160957	8	RECQL4	145736667	rs13277542	8	145747920	G	T	0.478131	0.0249122	0.00818903	0.00234904	0.296746	0.0402985	1.79E-13	0.0839513	0.0298583	0.00492877	0.8627174	10	0.27554195
ENSG00000198169	8	ZNF251	145946298	rs2294120	8	146003567	G	A	0.442346	0.00439753	0.00809	0.586734	-0.532248	0.0639786	8.86E-17	-0.0082622	0.0152321	0.5875296	0.6008596	14	0.90455838
ENSG00000196378	8	ZNF34	145998499	rs3808374	8	146018780	G	C	0.559642	-0.0032056	0.00810849	0.692594	0.341026	0.048015	1.23E-12	-0.0093998	0.0238136	0.6930466	0.4882331	13	0.93852872
ENSG00000161016	8	RPL8	146015150	rs2954658	8	146017782	T	C	0.542744	-0.0054909	0.00807492	0.49651	-0.451146	0.0400512	1.97E-29	0.0121709	0.0179313	0.4972931	0.6645548	20	0.88088085
ENSG00000197363	8	ZNF517	146024261	rs1735176	8	146074281	A	G	0.347913	0.00553716	0.00845716	0.512642	0.498572	0.064351	9.36E-15	0.011106	0.0170232	0.5141399	0.5347633	17	0.88616468
ENSG00000196922	8	ZNF252P	146198975	rs73381299	8	146204204	T	C	0.0954274	-0.0060453	0.0120691	0.61645	0.764817	0.0829159	2.86E-20	-0.0079042	0.0158036	0.6169697	0.5888806	15	0.91573409
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9408289	9	47352	G	A	0.45825	-0.0026831	0.00847074	0.751438	-0.734309	0.0867779	2.63E-17	0.00365386	0.0115437	0.7516057	0.8028631	12	0.95502521
ENSG00000170122	9	FOXD4	116237	rs10429525	9	274455	A	G	0.33002	-0.0016212	0.00909866	0.858585	0.465399	0.0788476	3.58E-09	-0.0034834	0.0195591	0.8586487	0.9933567	13	0.9761713
ENSG00000106686	9	SPATA6L	4553386	rs16921782	9	4670573	T	C	0.309145	0.00854202	0.00876146	0.329583	0.42625	0.0739867	8.35E-09	0.0200399	0.020847	0.3364082	0.01535955	5	0.82540122
ENSG00000273061	9	RP11-6J24.6	4676600	rs76803626	9	4702417	T	C	0.0576541	-0.0115322	0.0229196	0.614851	-0.955323	0.175006	4.79E-08	0.0120715	0.0240932	0.6163465	0.5163605	3	0.91549513
ENSG00000147853	9	AK3	4711155	rs10122182	9	4728729	C	T	0.582505	0.00571472	0.00840495	0.496552	0.375966	0.0574204	5.85E-11	0.0152001	0.0224758	0.4988587	0.897391	13	0.88088085
ENSG00000120217	9	CD274	5450503	rs822342	9	5453973	C	T	0.715706	-0.0059366	0.00904253	0.511493	0.952729	0.095254	1.49E-23	-0.0062311	0.00951161	0.5123997	0.02209375	14	0.88570698
ENSG00000107036	9	KIAA1432	5629025	rs34232374	9	5636080	A	G	0.0795229	-0.0063735	0.0282211	0.821326	-0.458322	0.0671663	8.87E-12	0.0139061	0.0616085	0.8214218	0.5551524	3	0.96917311
ENSG00000137033	9	IL33	6215805	rs2150965	9	6261046	G	C	0.915507	-0.0097138	0.0163823	0.553216	-0.404117	0.0611819	3.97E-11	0.0240372	0.0407015	0.5548073	0.9196927	9	0.89575241
ENSG00000107077	9	KDM4C	6720863	rs57463825	9	6904643	G	T	0.184891	-0.016237	0.0105245	0.122882	0.515144	0.0672662	1.88E-14	-0.0315193	0.0208406	0.1304328	0.4093056	7	0.67376577
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	1.10542	0.112969	1.30E-22	-0.0005241	0.00999499	0.9581792	0.3380245	14	0.98968811
ENSG00000273399	9	RP11-408A13.3	14586767	rs10810183	9	14586790	C	T	0.0437376	-0.0341796	0.0256853	0.183287	-1.26086	0.200076	2.94E-10	0.0271082	0.0208205	0.1929176	0.05786418	4	0.73034912
ENSG00000272871	9	RP11-408A13.4	14588795	rs10961600	9	14588059	T	C	0.533797	0.00762426	0.0080886	0.345888	0.543848	0.0588735	2.52E-20	0.0140191	0.0149501	0.3483862	0.2261243	20	0.83151045
ENSG00000147869	9	CER1	14719722	rs10810226	9	14724502	C	T	0.249503	0.00350526	0.00902946	0.697866	0.791952	0.107177	1.48E-13	0.0044261	0.0114172	0.6982618	0.09760133	13	0.94003839
ENSG00000215237	9	RP11-54D18.2	14993310	rs10961834	9	15024454	G	T	0.498012	-0.0048113	0.00807778	0.55143	0.945597	0.0790921	6.07E-33	-0.0050881	0.00855311	0.551922	0.211795	20	0.89575241
ENSG00000164989	9	CCDC171	15552895	rs4740627	9	15857875	C	T	0.469185	0.0194404	0.00806105	0.0158807	0.613052	0.0651641	5.07E-21	0.0317108	0.0135742	0.01948544	0.1625055	20	0.40157332
ENSG00000178031	9	ADAMTSL1	18473892	rs9987690	9	18079417	A	C	0.37674	-0.0102154	0.00817537	0.211468	-0.343038	0.0534528	1.38E-10	0.0297792	0.0242798	0.22001	0.1276876	20	0.75497764
ENSG00000273226	9	RP11-513M16.8	19375449	rs67710536	9	19376255	C	A	0.0944334	-0.0009983	0.0172601	0.953877	0.794886	0.103258	1.38E-14	-0.0012559	0.0217145	0.953878	0.09315749	17	0.98968811
ENSG00000231460	9	RP11-321L2.1	23829668	rs17557796	9	23830403	G	A	0.38171	-0.0105164	0.00814328	0.196558	-0.667842	0.0982953	1.09E-11	0.0157468	0.0124117	0.2045461	0.4705413	5	0.74155842
ENSG00000096872	9	IFT74	26947037	rs10967694	9	27071646	C	T	0.0457256	0.0162602	0.0134883	0.228008	1.56958	0.244057	1.27E-10	0.0103596	0.00874324	0.2360697	0.960924	9	0.76086855
ENSG00000120156	9	TEK	27109139	rs16911092	9	27142444	G	A	0.102386	0.00804782	0.0146195	0.581985	1.18243	0.15339	1.27E-14	0.00680617	0.0123954	0.5829457	0.5727368	8	0.90146323
ENSG00000120162	9	MOB3B	27325207	rs17835843	9	27542409	C	A	0.055666	0.0114814	0.0179098	0.521478	1.88609	0.147616	2.20E-37	0.00608741	0.00950767	0.5220019	0.06479633	11	0.88693216
ENSG00000147894	9	C9orf72	27546544	rs774358	9	27559997	A	T	0.718688	-0.0039388	0.00900197	0.661718	0.645407	0.0624666	5.05E-25	-0.0061027	0.0139602	0.6620016	0.00408407	20	0.93002487
ENSG00000260412	9	RP11-438B23.2	27937615	rs1029105	9	28942783	C	G	0.161034	0.0168629	0.0116978	0.149431	1.21599	0.132721	5.10E-20	0.0138676	0.00973833	0.154439	0.399711	9	0.69271049
ENSG00000174482	9	LINGO2	27948076	rs10813006	9	29145265	C	G	0.171968	0.00263755	0.0111888	0.813642	1.43526	0.11658	7.87E-35	0.00183768	0.00779709	0.8136747	0.1298008	20	0.96881317
ENSG00000122729	9	ACO1	32384618	rs7022554	9	32436014	G	A	0.564612	-0.0087071	0.00809655	0.28219	-0.703051	0.0800691	1.63E-18	0.0123848	0.0116024	0.2857749	0.8546888	16	0.79513447
ENSG00000107201	9	DDX58	32455300	rs3205166	9	32459450	G	T	0.352883	-0.0093674	0.00859102	0.275548	0.457674	0.072203	2.32E-10	-0.0204675	0.0190467	0.2825575	0.9424623	7	0.79513447
ENSG00000241043	9	GVQW1	32566787	rs10971021	9	32547185	A	G	0.461233	5.08E-05	0.00826567	0.995093	-0.705559	0.0922593	2.05E-14	-7.21E-05	0.0117151	0.9950926	0.5906718	11	0.99876374
ENSG00000137074	9	APTX	32972604	rs3818644	9	33025113	C	A	0.638171	-0.0148669	0.00820688	0.07006	-0.399965	0.0562558	1.16E-12	0.0371705	0.0211746	0.07918547	0.08683561	19	0.58258897
ENSG00000223678	9	RP11-311H10.4	33402855	rs556390	9	33397290	C	T	0.624254	-0.0017822	0.00826609	0.829295	-0.5706	0.0999135	1.12E-08	0.00312341	0.014497	0.8294144	0.7063363	4	0.97248978
ENSG00000165272	9	AQP3	33441152	rs17553719	9	33447579	C	T	0.264414	0.00571171	0.00879001	0.515825	-0.790492	0.098198	8.28E-16	-0.0072255	0.0111558	0.5171861	0.6932871	14	0.88693216
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.824932	0.0712171	5.01E-31	-0.0006805	0.0111758	0.9514465	0.8121402	15	0.98968811
ENSG00000226562	9	RP11-255A11.21	33580693	rs12005759	9	33522045	A	G	0.422465	0.00197918	0.00858511	0.817675	0.69331	0.0826978	5.13E-17	0.00285468	0.0123875	0.8177427	0.3231997	13	0.96881317
ENSG00000231165	9	TRBV26OR9-2	33695765	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.05507	0.157181	1.91E-11	0.0291849	0.0153339	0.05700171	0.4268113	8	0.5488752
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.73226	0.156496	1.77E-28	0.0177757	0.00909894	0.05074862	0.5515016	20	0.53738461
ENSG00000164978	9	NUDT2	34329504	rs10971957	9	34151463	T	C	0.590457	-0.0061091	0.0082792	0.460581	0.526625	0.0591238	5.24E-19	-0.0116006	0.0157751	0.4621135	0.3835402	10	0.87178458
ENSG00000237159	9	CNTFR-AS1	34568013	rs9695558	9	34569010	A	T	0.961233	0.00209767	0.0189211	0.911724	0.897015	0.133144	1.61E-11	0.0023385	0.0210963	0.911736	0.316629	13	0.98098987
ENSG00000205143	9	ARID3C	34621376	rs3176813	9	34690811	T	C	0.12326	0.00726425	0.0183851	0.692757	0.660251	0.120207	3.96E-08	0.0110023	0.0279176	0.6935088	0.9506402	5	0.93852872
ENSG00000137070	9	IL11RA	34650699	rs2070074	9	34649442	G	A	0.102386	-0.0116565	0.0127672	0.361243	0.81966	0.0916017	3.62E-19	-0.0142211	0.0156571	0.3637262	0.1959453	13	0.83426107
ENSG00000230074	9	RP11-195F19.9	34665662	rs2480559	9	34677538	C	T	0.776342	0.010555	0.0105742	0.318186	0.702921	0.0936628	6.15E-14	0.0150159	0.0151757	0.322433	0.3277657	20	0.81804241
ENSG00000221829	9	FANCG	35073832	rs587118	9	35074917	C	T	0.480119	0.0161984	0.0080528	0.04427	-0.271839	0.0375892	4.76E-13	-0.0595882	0.030748	0.05262882	0.6089914	14	0.54056882
ENSG00000107140	9	TESK1	35605367	rs10814260	9	35618523	A	G	0.213718	-0.022446	0.0100285	0.0252069	0.394013	0.0580675	1.16E-11	-0.0569677	0.0268011	0.03353914	0.867566	7	0.48597966
ENSG00000137101	9	CD72	35609530	rs10814260	9	35618523	A	G	0.213718	-0.022446	0.0100285	0.0252069	0.940494	0.0969368	2.95E-22	-0.0238662	0.0109431	0.02918793	0.994755	16	0.45914746
ENSG00000137135	9	ARHGEF39	35658872	rs10972553	9	35659902	T	C	0.252485	-0.00952	0.00900334	0.290335	-0.521044	0.082541	2.74E-10	0.018271	0.0175202	0.2970148	0.5254674	5	0.80667732
ENSG00000107159	9	CA9	35673853	rs67765684	9	35673635	T	G	0.0934394	0.0197471	0.016746	0.238313	0.794629	0.115255	5.40E-12	0.0248507	0.02138	0.2450996	0.4205145	11	0.77025933
ENSG00000198467	9	TPM2	35681989	rs13291033	9	35690530	A	T	0.275348	0.0154202	0.00937714	0.100083	-1.03552	0.0617437	3.96E-63	-0.0148913	0.00909892	0.1017146	0.6042209	20	0.63826532
ENSG00000137103	9	TMEM8B	35814448	rs2381409	9	35829390	T	C	0.611332	-0.0125076	0.00814061	0.124428	-0.319559	0.051063	3.90E-10	0.0391402	0.026231	0.1356643	0.1862627	5	0.67495201
ENSG00000122694	9	GLIPR2	36136732	rs7874594	9	36149031	G	T	0.291252	-0.0070385	0.00902161	0.435281	-0.674808	0.0797955	2.75E-17	0.0104304	0.0134259	0.4372258	0.5154018	7	0.86349462
ENSG00000137106	9	GRHPR	37422663	rs4878690	9	37422656	T	C	0.340954	-0.0062291	0.00829899	0.452902	0.439759	0.0495702	7.22E-19	-0.0141648	0.0189391	0.4545125	0.9707073	5	0.86795298
ENSG00000122696	9	SLC25A51	37879400	rs112039339	9	37874465	A	G	0.151093	-0.0011652	0.0104734	0.911414	0.951938	0.104399	7.63E-20	-0.001224	0.011003	0.9114213	0.1653068	10	0.98098987
ENSG00000137142	9	IGFBPL1	38408991	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	0.498073	0.0864223	8.25E-09	0.00333596	0.0201152	0.868281	0.7621947	3	0.9761713
ENSG00000273036	9	RP11-392E22.12	38540564	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	1.15865	0.101893	5.81E-30	0.00143404	0.00864434	0.8682408	0.7958923	4	0.9761713
ENSG00000180071	9	ANKRD18A	38540566	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	1.07153	0.107814	2.82E-23	0.00155063	0.00934747	0.8682451	0.7951388	4	0.9761713
ENSG00000225345	9	SNX18P3	38566257	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	0.875858	0.114893	2.47E-14	0.00189705	0.0114369	0.8682578	0.7958575	4	0.9761713
ENSG00000204860	9	FAM201A	38620471	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	1.27183	0.106462	6.78E-33	0.00130642	0.007875	0.8682395	0.7940628	4	0.9761713
ENSG00000106714	9	CNTNAP3	39072764	rs148002733	9	38852172	A	G	0.195825	0.00166155	0.0100147	0.868227	1.31703	0.103608	5.10E-37	0.00126159	0.00760465	0.868238	0.7934047	4	0.9761713
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.874613	0.0915316	1.23E-21	0.016831	0.0115065	0.1435389	0.9221656	8	0.68835807
ENSG00000224185	9	SNX18P9	69451764	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.580133	0.0927061	3.91E-10	0.0253745	0.0176158	0.1497437	0.9564709	5	0.68949403
ENSG00000229156	9	RP11-250H24.2	69475237	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.692603	0.0877739	3.00E-15	0.021254	0.0146095	0.1457218	0.8424631	8	0.68835807
ENSG00000224106	9	CYP4F25P	69477881	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.656166	0.0946781	4.19E-12	0.0224343	0.0154982	0.1477462	0.6675278	6	0.68835807
ENSG00000235310	9	RP11-250H24.4	69501018	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.70212	0.0901964	7.01E-15	0.0209659	0.0144182	0.1459103	0.9561907	7	0.68835807
ENSG00000224958	9	PGM5-AS1	70970105	rs12353500	9	71067802	G	A	0.0685885	-0.0085191	0.015653	0.586273	-0.72099	0.121853	3.28E-09	0.0118158	0.0218021	0.5878487	0.1820855	11	0.90455838
ENSG00000156017	9	C9orf41	77595936	rs10869491	9	77679038	A	G	0.436382	0.00787701	0.00842809	0.349987	0.53128	0.0545477	2.04E-22	0.0148265	0.0159366	0.3521949	0.1034326	13	0.83426107
ENSG00000106733	9	NMRK1	77675489	rs3752955	9	77684690	C	A	0.526839	0.00382207	0.0082009	0.641176	-0.931884	0.0763599	2.97E-34	-0.0041014	0.00880676	0.6414192	0.3171779	20	0.92456415
ENSG00000106772	9	PRUNE2	79226292	rs4745572	9	79333466	G	C	0.476143	0.00285581	0.00832677	0.731622	0.319256	0.0472295	1.38E-11	0.0089452	0.0261153	0.7319545	0.9495053	7	0.94811051
ENSG00000225937	9	PCA3	79379352	rs4745573	9	79335975	G	A	0.651093	0.00548397	0.00852389	0.519988	0.674031	0.0900767	7.27E-14	0.00813608	0.0126928	0.5215228	0.7048405	15	0.88693216
ENSG00000156052	9	GNAQ	80331003	rs11790320	9	80303114	C	T	0.715706	0.00184592	0.00878296	0.833534	0.498638	0.0652985	2.24E-14	0.00370192	0.0176206	0.8335966	0.6473418	20	0.97330482
ENSG00000254473	9	RP11-522I20.3	86322509	rs3814507	9	86323309	T	C	0.153082	-0.0198815	0.0125198	0.112285	0.794092	0.11415	3.49E-12	-0.0250368	0.0161717	0.1215791	0.8950258	4	0.66559302
ENSG00000165113	9	GKAP1	86354336	rs1582396	9	86336239	G	A	0.596421	-0.0158083	0.00823566	0.0549212	0.322797	0.0506111	1.79E-10	-0.0489729	0.0266438	0.06605395	0.9894196	12	0.56065982
ENSG00000178966	9	RMI1	86595626	rs10868081	9	86636430	G	A	0.479125	-0.0058269	0.00806997	0.470262	0.36113	0.0506639	1.02E-12	-0.0161353	0.0224608	0.4725263	0.3344678	19	0.87541091
ENSG00000226237	9	RP11-276H19.1	89563614	rs1927078	9	89612574	C	T	0.728628	0.0030829	0.00911435	0.735177	0.580564	0.0883638	5.03E-11	0.00531018	0.0157199	0.7355143	0.8574916	8	0.94830822
ENSG00000231007	9	CDC20P1	89626567	rs1927080	9	89615009	T	C	0.745527	0.00308631	0.00918762	0.736931	-0.890602	0.0982426	1.24E-19	-0.0034654	0.0103233	0.7371046	0.8617342	13	0.9484002
ENSG00000123975	9	CKS2	91926113	rs10119002	9	91963682	A	G	0.915507	-0.007827	0.0178097	0.660315	0.994365	0.129854	1.89E-14	-0.0078713	0.0179401	0.660838	0.2100347	9	0.9296996
ENSG00000187742	9	SECISBP2	91933421	rs144525235	9	92044636	A	G	0.0218688	0.0278075	0.0263827	0.29188	-1.40923	0.212915	3.62E-11	-0.0197324	0.0189573	0.2979267	0.5078882	3	0.80667732
ENSG00000231107	9	RP11-389K14.3	93063184	rs12554846	9	93179122	T	C	0.224652	0.00872783	0.00987399	0.376738	0.600192	0.0950905	2.76E-10	0.0145417	0.0166119	0.3813677	0.9958668	4	0.83846816
ENSG00000229694	9	RP11-305L7.6	93881344	rs12340288	9	93919368	A	T	0.135189	-0.0161067	0.0130921	0.218601	-0.92354	0.128074	5.55E-13	0.0174402	0.0143808	0.2252301	0.8051679	9	0.7565516
ENSG00000235641	9	LINC00484	93921855	rs12340288	9	93919368	A	T	0.135189	-0.0161067	0.0130921	0.218601	-0.784648	0.123428	2.06E-10	0.0205273	0.0169949	0.2271047	0.7426918	10	0.75779347
ENSG00000234537	9	RP11-100G15.7	94894680	rs3901406	9	94896482	A	C	0.32505	-0.0072265	0.00839577	0.389389	0.640974	0.0638776	1.08E-23	-0.0112742	0.0131466	0.3911266	0.9914871	20	0.84301004
ENSG00000188312	9	CENPP	95087766	rs10820978	9	95220601	T	G	0.175944	-0.0150239	0.0117482	0.200959	1.0437	0.0852371	1.79E-34	-0.0143948	0.0113175	0.2034059	0.8098311	20	0.74155842
ENSG00000127080	9	IPPK	95375466	rs7045451	9	94977169	T	C	0.350895	-0.0143926	0.00841698	0.087275	0.280496	0.042579	4.47E-11	-0.0513112	0.0310019	0.09790418	0.9832592	17	0.63011258
ENSG00000185963	9	BICD2	95473645	rs10821000	9	95439427	G	A	0.265408	-0.0066521	0.00935271	0.476929	0.348344	0.0543036	1.41E-10	-0.0190964	0.0270136	0.4796178	0.7670093	12	0.87699866
ENSG00000127081	9	ZNF484	95607874	rs72618187	9	95570578	C	T	0.245527	-0.0095889	0.0098232	0.328993	0.519205	0.0874554	2.91E-09	-0.0184684	0.0191737	0.3354412	0.9773686	12	0.82540122
ENSG00000127084	9	FGD3	95709733	rs10115178	9	95794393	G	A	0.201789	-0.0199336	0.00985198	0.0430418	0.714146	0.105015	1.04E-11	-0.0279125	0.0143931	0.05246553	0.215136	11	0.54056882
ENSG00000165233	9	C9orf89	95858500	rs10821069	9	95857937	C	G	0.770378	0.00879388	0.00995319	0.376953	0.54646	0.0671655	4.08E-16	0.0160925	0.018321	0.3797485	0.6425064	6	0.83846816
ENSG00000131669	9	NINJ1	95883771	rs10761194	9	95899884	A	G	0.488072	-0.0052748	0.00808527	0.514144	0.582635	0.0651677	3.87E-19	-0.0090534	0.013914	0.5152611	0.8995297	20	0.88647791
ENSG00000227603	9	RP11-165J3.6	96197614	rs7853605	9	96213529	G	A	0.149105	0.0186342	0.0107877	0.0841046	0.881853	0.103296	1.38E-17	0.0211307	0.0124809	0.09044641	0.4828901	20	0.61163265
ENSG00000175787	9	ZNF169	97021593	rs7047279	9	97249230	C	T	0.552684	0.00435167	0.00811052	0.591581	-0.234449	0.0422328	2.83E-08	-0.0185613	0.0347552	0.5933016	0.4561309	13	0.90688174
ENSG00000175611	9	LINC00476	98521513	rs690304	9	98644236	C	G	0.554672	0.0170073	0.00828433	0.0400774	0.39759	0.0584156	1.00E-11	0.042776	0.0217636	0.04935815	0.8974252	12	0.53502872
ENSG00000268926	9	DKFZP434H0512	98534605	rs966217	9	98705529	T	G	0.307157	0.0222875	0.00905051	0.0137943	0.695958	0.116635	2.42E-09	0.0320242	0.0140683	0.02282608	0.8959131	4	0.41830708
ENSG00000224848	9	RP11-535M15.1	99449338	rs7039498	9	99486241	T	C	0.128231	0.0166044	0.0119409	0.164361	-1.06304	0.12448	1.34E-17	-0.0156197	0.0113807	0.1699163	0.02618398	11	0.70660647
ENSG00000233820	9	RP11-535M15.2	99488172	rs2278648	9	99483442	T	C	0.139165	0.0124054	0.0118303	0.294359	-0.909688	0.105454	6.33E-18	-0.013637	0.0131005	0.2978988	0.00211913	9	0.80667732
ENSG00000196312	9	HIATL2	99660348	rs9722684	9	99656571	G	A	0.0328032	0.0363968	0.0151546	0.0163189	-1.21277	0.159198	2.58E-14	-0.0300113	0.0131021	0.02198871	0.3279569	17	0.4128198
ENSG00000228376	9	RP11-520B13.4	99837953	rs10817286	9	100001077	C	G	0.614314	0.00105826	0.00841749	0.899952	0.758656	0.0819182	2.02E-20	0.00139491	0.0110963	0.8999615	0.0789768	18	0.98098987
ENSG00000228038	9	VN1R51P	99855976	rs10817286	9	100001077	C	G	0.614314	0.00105826	0.00841749	0.899952	0.735069	0.0863181	1.65E-17	0.00143967	0.0114525	0.8999632	0.09034353	15	0.98098987
ENSG00000213612	9	FAM220CP	99883941	rs10817286	9	100001077	C	G	0.614314	0.00105826	0.00841749	0.899952	0.586753	0.100807	5.87E-09	0.00180359	0.0143492	0.8999755	0.4290148	5	0.98098987
ENSG00000159712	9	ANKRD18CP	99918852	rs3862335	9	99915963	A	G	0.586481	0.00152671	0.00841237	0.855988	0.835285	0.0899603	1.62E-20	0.00182777	0.0100732	0.8560149	0.1106353	20	0.9761713
ENSG00000203279	9	RP11-498P14.5	99962757	rs10817265	9	99992220	C	T	0.511928	-0.003372	0.00807849	0.676385	1.01557	0.0880634	9.07E-31	-0.0033203	0.00795984	0.6765858	0.3581377	20	0.93468019
ENSG00000136842	9	TMOD1	100263462	rs2805785	9	100357256	G	A	0.202783	-0.0081245	0.00989792	0.411743	-0.720483	0.0761442	3.02E-21	0.0112765	0.0137895	0.4134949	0.8337759	11	0.85288297
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.61569	0.0691528	5.42E-19	0.0014484	0.0131664	0.9124035	0.5980435	11	0.98098987
ENSG00000095383	9	TBC1D2	100961311	rs2900463	9	100977457	C	T	0.5666	0.0134016	0.00814344	0.0998275	0.602486	0.0553764	1.44E-27	0.0222438	0.0136701	0.1036982	0.09957911	20	0.63826532
ENSG00000204291	9	COL15A1	101705461	rs732726	9	101663086	A	C	0.280318	0.00017631	0.00846001	0.983373	0.518009	0.0877657	3.59E-09	0.00034035	0.0163319	0.9833735	0.7497458	8	0.99527404
ENSG00000136870	9	ZNF189	104161155	rs3739719	9	104169089	A	G	0.39165	-0.0041186	0.00865316	0.6341	-0.487331	0.0609821	1.33E-15	0.00845132	0.0177877	0.6347002	0.8405503	9	0.92237337
ENSG00000136824	9	SMC2	106856541	rs4742904	9	106856952	T	C	0.569583	0.00573733	0.00825194	0.486886	-0.773327	0.0589188	2.36E-39	-0.007419	0.0106857	0.487496	0.8147105	20	0.87851987
ENSG00000136783	9	NIPSNAP3A	107509969	rs2417564	9	107512888	C	A	0.175944	-0.0129138	0.00981965	0.188479	-0.720666	0.0787755	5.78E-20	0.0179193	0.0137659	0.1930132	0.5624714	20	0.73034912
ENSG00000148143	9	ZNF462	109625378	rs6477554	9	109784999	G	A	0.084493	-0.0159438	0.0139607	0.253434	0.740245	0.112233	4.23E-11	-0.0215385	0.0191402	0.2604602	0.7268932	5	0.77529567
ENSG00000070061	9	IKBKAP	111629797	rs10979651	9	111766790	A	G	0.0874751	0.00287836	0.0126838	0.820477	-0.362755	0.0632125	9.54E-09	-0.0079347	0.0349925	0.8206144	0.1825738	8	0.96917311
ENSG00000106771	9	TMEM245	111777432	rs7776	9	111782531	G	T	0.261431	0.00287764	0.0102854	0.779647	0.313124	0.0484258	1.01E-10	0.0091901	0.0328784	0.7798477	0.8938877	5	0.96342048
ENSG00000260230	9	FRRS1L	111892573	rs12379888	9	111929013	T	C	0.296223	0.00580733	0.00915637	0.525924	-0.240682	0.0322706	8.77E-14	-0.0241286	0.0381807	0.527414	0.4597883	10	0.88710629
ENSG00000188959	9	C9orf152	112952328	rs4135220	9	113007289	G	T	0.483101	-0.0083759	0.00804676	0.297919	-0.542385	0.0862538	3.21E-10	0.0154428	0.0150378	0.3044521	0.1581646	8	0.80750206
ENSG00000136810	9	TXN	113006091	rs1049927	9	113018755	C	T	0.120278	0.0112949	0.011756	0.336662	-0.339744	0.055433	8.85E-10	-0.0332453	0.0350251	0.3425263	0.1835507	3	0.82819565
ENSG00000204173	9	LRRC37A5P	114353872	rs1570304	9	114401173	T	C	0.555666	0.00311354	0.00847628	0.713377	-0.581769	0.091035	1.65E-10	-0.0053519	0.0145939	0.7138289	0.00588022	14	0.94333145
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.573843	0.0557179	7.11E-25	-0.0017077	0.0155025	0.9122848	0.1671396	20	0.98098987
ENSG00000259953	9	RP11-4O1.2	114794835	rs781622	9	114927849	C	T	0.635189	-0.0065569	0.00810933	0.418769	0.687061	0.0874741	4.02E-15	-0.0095434	0.0118653	0.4212189	0.5263775	11	0.85707798
ENSG00000106868	9	SUSD1	114803065	rs34674299	9	114930722	T	C	0.343936	0.00303428	0.00812	0.708642	-0.562913	0.0819228	6.36E-12	-0.0053903	0.0144463	0.7090528	0.355898	10	0.94206936
ENSG00000119457	9	SLC46A2	115641200	rs4979174	9	115630249	T	C	0.298211	-0.0037461	0.0089775	0.67648	-0.768987	0.0976105	3.32E-15	0.00487141	0.0116908	0.6769075	0.6027997	19	0.93468019
ENSG00000176386	9	CDC26	116018115	rs10981712	9	116046126	C	G	0.280318	-0.0043153	0.00886331	0.626347	-0.458694	0.0775959	3.39E-09	0.00940784	0.0193884	0.6275121	0.6006678	14	0.91925859
ENSG00000148225	9	WDR31	116075502	rs35852964	9	116119329	G	A	0.0745527	0.00325395	0.0184176	0.859763	-0.720345	0.117977	1.02E-09	-0.0045172	0.0255784	0.8598209	0.2033857	12	0.9761713
ENSG00000148218	9	ALAD	116148597	rs1805312	9	116152990	G	C	0.05666	0.0129348	0.014942	0.386672	1.35442	0.127896	3.32E-26	0.00955007	0.0110688	0.3882532	0.09611695	6	0.84300565
ENSG00000157657	9	ZNF618	116638562	rs7029830	9	116681888	T	G	0.501988	-0.0028778	0.00804107	0.720427	-0.576122	0.0631635	7.43E-20	0.00499514	0.013968	0.7206324	0.03383744	20	0.94440409
ENSG00000106927	9	AMBP	116822407	rs6478062	9	116858625	G	T	0.664016	0.00731506	0.00832278	0.379444	0.690646	0.116497	3.06E-09	0.0105916	0.0121824	0.3846188	0.865514	7	0.84017476
ENSG00000136883	9	KIF12	116848406	rs2418265	9	116865784	G	A	0.460239	0.00803874	0.00805414	0.318237	0.795724	0.0811542	1.07E-22	0.0101024	0.0101741	0.320731	0.7409003	20	0.81748223
ENSG00000095397	9	DFNB31	117164360	rs10759703	9	117217938	G	A	0.727634	0.0233446	0.00885908	0.00841124	-0.990591	0.106817	1.80E-20	-0.0235663	0.00929726	0.01125237	0.791644	20	0.35263947
ENSG00000148219	9	ASTN2	119187504	rs12683490	9	119875030	A	T	0.209742	0.00109772	0.00900613	0.902989	-0.905584	0.0785226	9.02E-31	-0.0012122	0.00994566	0.9029948	0.106737	18	0.98098987
ENSG00000233569	9	RP11-500B12.1	120410884	rs10818058	9	120409035	G	A	0.2833	-0.0088953	0.00901373	0.32371	-0.81256	0.109672	1.27E-13	0.0109473	0.011191	0.3279641	0.02123737	15	0.82470658
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.19512	0.0688278	1.55E-67	-0.0073885	0.00684218	0.2802133	0.5675905	20	0.79513447
ENSG00000056558	9	TRAF1	123664671	rs4837799	9	123668326	C	T	0.641153	0.012137	0.00810641	0.134337	0.655692	0.0686358	1.26E-21	0.0185102	0.012514	0.139099	0.5696322	20	0.68154293

ENSG00000261534	9	RP11-244O19.1	124577953	rs10121679	9	124850365	A	G	0.0506958	0.0144258	0.0255587	0.57247	0.835274	0.112103	9.27E-14	0.0172707	0.0306868	0.573567	0.1449283	12	0.9004891
ENSG00000180264	9	GPR144	127213423	rs10818968	9	127211357	C	A	0.49006	-0.003543	0.00816906	0.664498	0.692684	0.103334	2.04E-11	-0.0051149	0.011818	0.6651558	0.4525059	5	0.93167988
ENSG00000136950	9	ARPC5L	127624409	rs6478690	9	127757310	T	C	0.578529	0.00983709	0.00912889	0.281222	-0.440117	0.0501896	1.80E-18	-0.0223511	0.020898	0.2848296	0.07094183	20	0.79513447
ENSG00000165219	9	GAPVD1	128024073	rs5015933	9	128137418	C	T	0.45825	0.0110989	0.00810205	0.170723	0.294329	0.0537639	4.39E-08	0.0377092	0.0283759	0.1838764	0.2863085	10	0.72271566
ENSG00000136856	9	SLC2A8	130159421	rs7866252	9	130173362	G	A	0.637177	0.0029323	0.00855421	0.731756	-0.45047	0.0595824	4.02E-14	-0.0065094	0.019009	0.7320209	0.3402842	17	0.94811051
ENSG00000197958	9	RPL12	130209953	rs2253806	9	130229652	G	A	0.633201	0.00744019	0.00859591	0.386737	0.394333	0.0447597	1.25E-18	0.0188678	0.0219036	0.3890163	0.5637888	17	0.84301004
ENSG00000187024	9	PTRH1	130455257	rs482095	9	130493513	G	A	0.617296	0.00756497	0.00885181	0.392759	-0.401565	0.0660617	1.21E-09	-0.0188387	0.0222601	0.397385	0.03210749	7	0.84421137
ENSG00000160404	9	TOR2A	130493803	rs564754	9	130495633	G	C	0.633201	0.00681563	0.00888108	0.442824	0.270841	0.0424533	1.77E-10	0.0251647	0.0330271	0.446096	0.1224985	9	0.86795298
ENSG00000225032	9	RP11-228B15.4	130578345	rs41335344	9	130595116	G	A	0.0129225	-0.0160155	0.0211683	0.4493	1.50192	0.254159	3.43E-09	-0.0106634	0.0142092	0.4529815	0.3325217	5	0.86795298
ENSG00000136811	9	ODF2	131217465	rs34191988	9	131238593	A	G	0.743539	0.00100164	0.00943469	0.915451	-0.500072	0.0830844	1.76E-09	-0.002003	0.0188696	0.915464	0.2826943	11	0.98098987
ENSG00000095321	9	CRAT	131857089	rs3118639	9	131855603	A	G	0.242545	0.0128911	0.00963364	0.180851	-0.319399	0.0505729	2.69E-10	-0.0403605	0.0308313	0.1905096	0.8492716	16	0.72847268
ENSG00000119383	9	PPP2R4	131873229	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	-0.43471	0.0747102	5.93E-09	-0.0311311	0.0341599	0.3621197	0.5928217	8	0.83426107
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.44541	0.129883	9.11E-29	0.00936274	0.0101817	0.3577997	0.0654986	20	0.83426107
ENSG00000204055	9	RP11-247A12.2	131939050	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	0.95883	0.148604	1.10E-10	0.0141141	0.0154518	0.3610173	0.00981763	8	0.83426107
ENSG00000136816	9	TOR1B	132565432	rs12634	9	132573536	T	G	0.272366	0.00072973	0.00943197	0.938331	0.569908	0.0769875	1.34E-13	0.00128044	0.0165509	0.938334	0.7032306	10	0.98799916
ENSG00000136827	9	TOR1A	132575223	rs12634	9	132573536	T	G	0.272366	0.00072973	0.00943197	0.938331	-0.884871	0.0925793	1.20E-21	-0.0008247	0.0106595	0.9383327	0.6607767	19	0.98799916
ENSG00000136878	9	USP20	132596977	rs13284361	9	132599526	C	A	0.259443	0.00066432	0.00952481	0.944395	0.446926	0.0576182	8.72E-15	0.00148642	0.0213127	0.9443978	0.8380482	7	0.98860811
ENSG00000148357	9	HMCN2	133046882	rs12336255	9	133028155	A	G	0.316103	0.00274489	0.00882215	0.755698	-0.829147	0.0901569	3.69E-20	-0.0033105	0.0106461	0.7558323	0.9869516	10	0.95502521
ENSG00000130714	9	POMT1	134378289	rs10901063	9	134383958	T	C	0.776342	0.00432423	0.00958885	0.652016	0.492983	0.058404	3.15E-17	0.00877156	0.0194784	0.6524782	0.6236354	20	0.92725626
ENSG00000107263	9	RAPGEF1	134452157	rs4740304	9	134600009	A	G	0.77833	-0.0049258	0.0104113	0.636127	-0.37686	0.0607715	5.60E-10	0.0130706	0.0277067	0.6371062	0.7063342	11	0.92237337
ENSG00000165695	9	AK8	135600965	rs2231403	9	135754010	T	C	0.481113	-0.0040681	0.00808752	0.614955	0.500374	0.0889755	1.87E-08	-0.0081302	0.0162275	0.6163619	0.2836932	13	0.91549513
ENSG00000165699	9	TSC1	135766735	rs9696501	9	135783754	A	G	0.144135	-0.0104169	0.0123331	0.398316	-0.434817	0.0666997	7.08E-11	0.023957	0.028601	0.4022395	0.4899207	7	0.84432082
ENSG00000148308	9	GTF3C5	135906076	rs685959	9	135955171	C	T	0.420477	0.0002058	0.00825462	0.980109	-0.29696	0.0500641	3.00E-09	-0.000693	0.0277973	0.9801097	0.03964073	11	0.99393456
ENSG00000170827	9	CELP	135957926	rs687753	9	135955596	T	C	0.429423	0.00023269	0.00826494	0.977539	-0.627392	0.0941432	2.66E-11	-0.0003709	0.0131736	0.9775395	0.00939703	11	0.99269132
ENSG00000160271	9	RALGDS	135973107	rs685959	9	135955171	C	T	0.420477	0.0002058	0.00825462	0.980109	-0.393957	0.0552695	1.02E-12	-0.0005224	0.0209532	0.9801096	0.02226955	10	0.99393456
ENSG00000148296	9	SURF6	136197552	rs886090	9	136199503	A	G	0.356859	-0.0034593	0.00807883	0.66851	-0.62803	0.0727875	6.23E-18	0.00550818	0.0128796	0.6688937	0.1935009	20	0.93167988
ENSG00000148290	9	SURF1	136218610	rs523304	9	136223366	G	A	0.534791	-0.0019124	0.00825647	0.816829	0.601443	0.0639327	5.08E-21	-0.0031797	0.0137319	0.8168833	0.2450888	20	0.96881317
ENSG00000160323	9	ADAMTS13	136279478	rs34265876	9	136287207	C	T	0.083499	-0.0110666	0.0171421	0.518554	0.720465	0.105006	6.83E-12	-0.0153604	0.0238982	0.520392	0.4648885	20	0.88693216
ENSG00000196990	9	FAM163B	136444079	rs732833	9	136520662	C	T	0.459245	0.020353	0.00817189	0.0127523	0.700828	0.0913993	1.75E-14	0.0290414	0.01226	0.01784666	0.2398645	6	0.39313618
ENSG00000196363	9	WDR5	137000487	rs28410119	9	136995046	T	C	0.489066	-0.0093651	0.00807255	0.246004	-0.385103	0.0458006	4.16E-17	0.0243183	0.0211606	0.2504639	0.8643336	20	0.77306764
ENSG00000186350	9	RXRA	137208944	rs67022788	9	137264042	C	T	0.241551	0.00699436	0.00941781	0.457679	0.327856	0.0572722	1.04E-08	0.0213336	0.0289662	0.4614256	0.3026293	4	0.87178458
ENSG00000107147	9	KCNT1	138594031	rs11103190	9	138679895	C	T	0.235586	-0.0154482	0.0108632	0.155007	-0.565307	0.0747937	4.09E-14	0.0273271	0.0195536	0.1622495	0.4183369	20	0.69993711
ENSG00000130560	9	UBAC1	138824815	rs2004852	9	138871968	T	C	0.175944	0.0207372	0.0120128	0.0843024	0.360645	0.0606492	2.74E-09	0.0575003	0.0346844	0.09735484	0.6512627	10	0.63011258
ENSG00000238227	9	C9orf69	139006427	rs1717447	9	139010319	C	A	0.656064	-0.0039091	0.00868002	0.652456	-0.26398	0.0466187	1.49E-08	0.0148082	0.0329852	0.6534777	0.09770797	3	0.92725626
ENSG00000165661	9	QSOX2	139098179	rs35244336	9	139141908	A	C	0.671968	-0.0244348	0.00864374	0.00470035	-0.370684	0.0670767	3.27E-08	0.0659181	0.0261921	0.01184536	0.0053668	6	0.36435165
ENSG00000160360	9	GPSM1	139221932	rs28721414	9	139239867	G	C	0.390656	0.0041967	0.00816197	0.607128	-0.436571	0.0526638	1.13E-16	-0.0096129	0.0187316	0.6078176	0.4314278	20	0.91306324
ENSG00000213221	9	DNLZ	139253932	rs76313736	9	139276923	G	A	0.028827	0.0717123	0.0506454	0.156785	1.27605	0.170512	7.23E-14	0.0561987	0.0403934	0.1641394	0.3668228	13	0.70082793
ENSG00000165684	9	SNAPC4	139270029	rs78901656	9	139315635	T	C	0.0238569	-0.0160271	0.0350256	0.647253	0.576848	0.103436	2.45E-08	-0.0277839	0.060923	0.6483541	0.2532401	4	0.92641321
ENSG00000148384	9	INPP5E	139323071	rs10781542	9	139327439	G	A	0.414513	-0.0017256	0.00851741	0.839448	-0.406875	0.0474504	9.93E-18	0.00424115	0.0209396	0.8394925	0.2960619	20	0.97376482
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-0.743555	0.0783793	2.39E-21	-0.0110204	0.0214268	0.6070236	0.09794336	5	0.91287911
ENSG00000204001	9	LCN8	139648838	rs2811732	9	139648332	T	C	0.690855	-0.0010168	0.00871828	0.907154	-1.07683	0.0789946	2.59E-42	0.00094425	0.00809654	0.9071578	0.07965328	20	0.98098987
ENSG00000214402	9	LCNL1	139876356	rs13306	9	139876154	G	A	0.952286	0.00357966	0.023442	0.878633	-1.12903	0.165005	7.79E-12	-0.0031706	0.0207681	0.8786626	0.8387684	7	0.97689669
ENSG00000148362	9	C9orf142	139886870	rs3829902	9	139892629	T	G	0.276342	-0.0050572	0.008707	0.561362	-0.380759	0.0397554	9.94E-22	0.0132819	0.0229095	0.5620807	0.8353573	20	0.89657901
ENSG00000197355	9	UAP1L1	139971953	rs10870177	9	139987350	T	C	0.365805	0.00224091	0.00909067	0.80529	0.479254	0.0835544	9.70E-09	0.00467583	0.0189859	0.8054661	0.335352	5	0.96627637
ENSG00000268996	9	AL807752.1	139980807	rs1962024	9	139975755	A	G	0.592445	-0.001949	0.0082052	0.812241	-0.330028	0.0588118	2.00E-08	0.00590565	0.0248844	0.8124059	0.5761073	6	0.96881317
ENSG00000177239	9	MAN1B1	139981379	rs4880207	9	139998693	T	G	0.752485	0.00476963	0.00860144	0.579226	-0.513168	0.0583773	1.49E-18	-0.0092945	0.0167948	0.5799791	0.2562009	20	0.9004891
ENSG00000176978	9	DPP7	140004994	rs13631	9	140006202	A	G	0.394632	-0.0034121	0.0082857	0.680486	-0.239696	0.0318224	4.99E-14	0.0142349	0.0346192	0.6809354	0.4288684	14	0.93468019
ENSG00000188986	9	NELFB	140149625	rs28376526	9	140147152	G	C	0.723658	-0.0033317	0.00887215	0.707273	0.384091	0.047138	3.69E-16	-0.0086742	0.0231236	0.707569	0.00567402	9	0.94206936
ENSG00000130653	9	PNPLA7	140354404	rs2254149	9	140441177	G	A	0.456262	0.00310473	0.00833949	0.709674	0.415843	0.0624512	2.76E-11	0.00746611	0.0200857	0.7101073	0.00174204	20	0.94276983
ENSG00000148399	9	DPH7	140449356	rs2501566	9	140530935	G	A	0.186879	0.0346462	0.00935455	0.0002125	-0.385632	0.0499111	1.11E-14	-0.0898426	0.0269007	0.00083842	0.1605191	12	0.17322719
ENSG00000197070	9	ARRDC1	140500106	rs4494021	9	140499646	C	T	0.217694	0.0397315	0.00828016	1.60E-06	0.555208	0.0503494	2.83E-28	0.0715615	0.0162644	1.08E-05	0.4747705	20	0.0443854
ENSG00000148408	9	CACNA1B	140772241	rs11137372	9	141004945	A	G	0.445328	-0.0071764	0.00854911	0.40123	0.37114	0.039733	9.56E-21	-0.019336	0.0231276	0.403122	0.508411	20	0.84457769
ENSG00000159247	9	TUBBP5	141044565	rs13297914	9	141069521	C	T	0.452286	0.00164241	0.0083159	0.843435	-0.78407	0.0914117	9.71E-18	-0.0020947	0.0106089	0.8434754	0.7256057	20	0.97412703
ENSG00000151240	10	DIP2C	320130	rs7071903	10	588141	G	T	0.163022	-0.0166062	0.0115213	0.149485	-0.504523	0.0678715	1.06E-13	0.0329147	0.0232613	0.1570704	0.9079034	20	0.69737216
ENSG00000107959	10	PITRM1	3179920	rs4880597	10	3196481	A	G	0.545726	0.0027286	0.00804201	0.734389	0.579577	0.074332	6.33E-15	0.00470792	0.0138888	0.7346304	0.993082	20	0.94830822
ENSG00000237399	10	PITRM1-AS1	3183824	rs10508247	10	3181577	C	G	0.387674	-0.0024155	0.0082791	0.770474	-0.711776	0.0852491	6.86E-17	0.00339358	0.0116387	0.7706099	0.9913165	20	0.95928628
ENSG00000165568	10	AKR1E2	4828821	rs2924275	10	4868445	T	G	0.869781	0.00169762	0.0137069	0.901432	-0.95869	0.137043	2.64E-12	-0.0017708	0.0142998	0.9014482	0.5944582	9	0.98098987
ENSG00000187134	10	AKR1C1	4934796	rs11594322	10	4956083	C	A	0.156064	-0.0060634	0.0118401	0.608576	-1.01107	0.145074	3.18E-12	0.00599702	0.011742	0.6095394	0.6033509	17	0.91429334
ENSG00000151632	10	AKR1C2	5029967	rs67362530	10	5043504	A	G	0.131213	-0.0031119	0.0120072	0.795503	0.988172	0.140498	2.02E-12	-0.0031492	0.0121592	0.7956388	0.36198	9	0.96375538
ENSG00000173848	10	NET1	5454514	rs11253181	10	5486887	C	A	0.0417495	0.0127184	0.0465268	0.78458	1.80795	0.246219	2.09E-13	0.00703471	0.0257524	0.7847247	0.9468122	3	0.96375538
ENSG00000057608	10	GDI2	5807186	rs17143628	10	5832205	T	C	0.243539	0.0212641	0.00969226	0.0282403	-0.258662	0.0470205	3.78E-08	-0.0822081	0.0403408	0.0415662	0.969429	20	0.51774556
ENSG00000151655	10	ITIH2	7745232	rs1312781	10	7904949	A	C	0.436382	0.00967177	0.00827203	0.242317	-0.492066	0.0828283	2.84E-09	-0.0196554	0.0171333	0.2512963	0.8181193	10	0.77473121
ENSG00000151657	10	KIN	7792925	rs112631733	10	7812003	T	C	0.247515	0.0138666	0.0100546	0.167855	0.429561	0.0611552	2.15E-12	0.0322809	0.0238536	0.1759625	0.6781635	20	0.71225101
ENSG00000148426	10	PROSER2	11865338	rs10508433	10	11869521	C	T	0.183897	0.00473572	0.0122909	0.700013	0.643813	0.110439	5.56E-09	0.00735574	0.0191324	0.7006345	0.3463368	4	0.94116663
ENSG00000065665	10	SEC61A2	12171636	rs1054067	10	12211761	T	A	0.408549	0.0111786	0.0082803	0.177009	-0.560672	0.0580851	4.79E-22	-0.0199379	0.0149123	0.1812193	0.8098095	20	0.72018284
ENSG00000123240	10	OPTN	13141449	rs599557	10	13159197	C	T	0.515905	-0.0079633	0.00807701	0.324171	0.221271	0.0376548	4.20E-09	-0.0359889	0.037013	0.3308852	0.2266818	5	0.82473356
ENSG00000086475	10	SEPHS1	13359424	rs61851592	10	13378666	T	C	0.0586481	0.0278806	0.0155663	0.0732791	-0.541999	0.0885519	9.32E-10	-0.0514403	0.0299246	0.0856146	0.7474249	4	0.59548107
ENSG00000165626	10	BEND7	13480484	rs7095654	10	13598142	C	G	0.266402	-0.0118515	0.00959436	0.216735	0.77469	0.0888141	2.72E-18	-0.0152984	0.0125083	0.2213094	0.1943291	6	0.75497764
ENSG00000239665	10	RP11-295P9.3	13652047	rs12264819	10	13692681	C	G	0.580517	-0.0040864	0.00840009	0.626631	0.43428	0.0622352	2.99E-12	-0.0094097	0.0193895	0.6274659	0.3715475	13	0.91925859
ENSG00000176236	10	C10orf111	15137384	rs11259480	10	15134527	C	T	0.196819	0.00021941	0.0108704	0.983897	-0.625472	0.080627	8.65E-15	-0.0003508	0.0173796	0.9838968	0.4909443	20	0.99531225
ENSG00000152465	10	NMT2	15144583	rs4748147	10	15206991	C	T	0.357853	-0.0028611	0.00847381	0.735636	-0.381384	0.0487764	5.32E-15	0.00750181	0.0222393	0.7358738	0.2346551	15	0.94830822
ENSG00000148484	10	RSU1	16632610	rs780635	10	16866373	C	T	0.309145	-0.0018083	0.00816387	0.824702	0.505256	0.0819094	6.90E-10	-0.003579	0.0161683	0.824813	0.1924633	8	0.97052125
ENSG00000107611	10	CUBN	16865963	rs17464824	10	17210822	C	A	0.499006	0.00410875	0.00807824	0.611019	-0.525164	0.0809873	8.90E-11	-0.0078238	0.0154296	0.6121113	0.6062085	4	0.9147172
ENSG00000107614	10	TRDMT1	17184253	rs35264795	10	17252910	T	C	0.350895	0.00367163	0.00935974	0.694853	-0.355091	0.0547729	8.99E-11	-0.01034	0.0264069	0.6953812	0.1692744	7	0.93862719
ENSG00000229124	10	VIM-AS1	17256238	rs7069076	10	17248524	A	T	0.845924	0.00912436	0.00997745	0.360455	-0.882485	0.132114	2.39E-11	-0.0103394	0.0114115	0.3649113	0.1026769	5	0.83426107
ENSG00000240291	10	RP11-499P20.2	18802044	rs4748492	10	18866104	C	T	0.374751	-0.0027473	0.00850217	0.746597	0.396864	0.0519442	2.17E-14	-0.0069226	0.0214425	0.746815	0.00906604	15	0.95252035
ENSG00000225527	10	RP11-383B4.4	18820778	rs7097001	10	18839971	T	A	0.378728	-0.0009399	0.00817197	0.908434	0.543144	0.0876552	5.78E-10	-0.0017305	0.0150483	0.9084497	0.4345173	6	0.98098987
ENSG00000241058	10	NSUN6	18834490	rs11015411	10	18945939	T	G	0.536779	-0.0097524	0.0080614	0.226367	0.517781	0.0639786	5.82E-16	-0.018835	0.0157421	0.2315113	0.01873141	20	0.75966913
ENSG00000120539	10	MASTL	27443753	rs882474	10	27477865	T	G	0.602386	0.00532259	0.00850032	0.531207	0.823726	0.0717147	1.55E-30	0.0064616	0.0103347	0.5318168	0.6696729	20	0.88710629
ENSG00000230445	10	LRRC37A6P	27535279	rs12217860	10	27503818	T	C	0.632207	0.00387856	0.00872322	0.656591	0.61025	0.0837714	3.22E-13	0.00635569	0.0143211	0.657188	0.3979404	20	0.92834527
ENSG00000150054	10	MPP7	28339922	rs1148199	10	28658826	A	G	0.349901	0.00097177	0.00835562	0.907414	0.703647	0.0800717	1.53E-18	0.00138104	0.0118758	0.907422	0.651213	8	0.98098987
ENSG00000254635	10	WAC-AS1	28811581	rs61848475	10	28821444	A	G	0.224652	0.00318116	0.0105645	0.763324	0.325704	0.0523018	4.74E-10	0.00976703	0.0324738	0.7635926	0.406924	19	0.95713352
ENSG00000259994	10	RP11-305E6.4	30591755	rs2246584	10	30624741	T	C	0.294235	0.00248411	0.00897844	0.782029	-0.444602	0.0683854	7.96E-11	-0.0055873	0.0202126	0.7822218	0.9001459	7	0.96342048
ENSG00000216937	10	CCDC7	32735068	rs1557150	10	33178307	C	T	0.301193	0.0001987	0.00898512	0.982357	0.464267	0.075572	8.08E-10	0.00042798	0.0193535	0.982357	0.7209487	7	0.99519596
ENSG00000273038	10	RP11-479G22.8	33176189	rs2505391	10	32714751	T	C	0.552684	0.0036455	0.00819822	0.656558	0.420208	0.0633394	3.26E-11	0.00867547	0.0195537	0.6572782	0.2411484	19	0.92834527
ENSG00000233200	10	RP11-324I22.2	35508822	rs1362999	10	35752550	C	T	0.349901	0.00184	0.0087935	0.834257	0.905109	0.098258	3.21E-20	0.0020329	0.00971791	0.8342987	0.9847583	15	0.97330482
ENSG00000271335	10	RP11-324I22.4	35603480	rs7921053	10	35771615	A	T	0.326044	0.00255184	0.00892266	0.774881	0.315631	0.0482406	6.04E-11	0.00808488	0.0282963	0.7750906	0.9717488	14	0.96193861
ENSG00000272983	10	RP11-508N22.12	38426265	rs370827445	10	39124161	G	A	0.0795229	0.00610111	0.0173847	0.725628	-1.20334	0.149247	7.46E-16	-0.0050702	0.0144607	0.7258771	0.9797582	3	0.94553222
ENSG00000215146	10	RP11-313J2.1	42827314	rs4612752	10	42749512	C	T	0.447316	0.012714	0.00805594	0.114518	1.10135	0.0836944	1.51E-39	0.011544	0.00736702	0.1171182	0.6663971	20	0.66108868
ENSG00000185904	10	LINC00839	42970991	rs1255412	10	42968035	C	T	0.602386	-0.0026402	0.00844653	0.754599	-0.536537	0.0901376	2.64E-09	0.00492085	0.0157644	0.7549263	0.4242817	11	0.95502521
ENSG00000196693	10	ZNF33B	43084555	rs531132548	10	42684679	A	T	0.0238569	-0.0253062	0.0399561	0.526504	-0.961699	0.161105	2.38E-09	0.0263141	0.0417806	0.5288156	0.9763245	3	0.88710629
ENSG00000169826	10	CSGALNACT2	43633934	rs10793422	10	43703874	A	G	0.171968	0.00866591	0.0101665	0.393992	0.583408	0.0629738	1.96E-20	0.0148539	0.0174997	0.3959852	0.06002045	10	0.84410017
ENSG00000196793	10	ZNF239	44051792	rs11238588	10	44057392	G	C	0.15507	0.0398565	0.0111271	0.00034108	0.6273	0.0951787	4.38E-11	0.0635366	0.0201885	0.00164858	0.8085156	10	0.17322719
ENSG00000224812	10	TMEM72-AS1	45306472	rs72780655	10	45455543	G	C	0.109344	-0.002751	0.0121253	0.820518	-0.906721	0.122749	1.50E-13	0.003034	0.013379	0.8206001	0.3381047	13	0.96917311
ENSG00000107551	10	RASSF4	45454855	rs870204	10	45458485	T	C	0.10338	-0.0009324	0.0121648	0.938905	0.526849	0.0928694	1.40E-08	-0.0017697	0.0230918	0.9389106	0.5583088	4	0.9880402
ENSG00000256574	10	OR13A1	45798102	rs4987105	10	45869748	T	C	0.175944	-0.0077593	0.0101535	0.444746	-0.923282	0.115264	1.15E-15	0.00840405	0.0110471	0.4468086	0.7118156	20	0.86795298
ENSG00000012779	10	ALOX5	45869661	rs4987105	10	45869748	T	C	0.175944	-0.0077593	0.0101535	0.444746	-0.87049	0.108125	8.23E-16	0.00891373	0.0117166	0.446788	0.7389964	16	0.86795298
ENSG00000231964	10	RP11-67C2.2	45940018	rs745986	10	45878908	G	A	0.232604	-0.0057415	0.00912232	0.529097	-0.56994	0.0841886	1.29E-11	0.0100738	0.0160748	0.5308675	0.8002959	20	0.88710629
ENSG00000165406	10	8-Mar	45950035	rs35626777	10	46088167	C	G	0.0785288	0.0201879	0.0152196	0.184694	-0.725409	0.116719	5.13E-10	-0.0278297	0.0214532	0.1945536	0.1488797	7	0.73212181
ENSG00000172661	10	FAM21C	46222648	rs12246276	10	46234434	C	T	0.271372	-0.0040631	0.00945324	0.667337	-0.69132	0.0978695	1.62E-12	0.00587726	0.0136995	0.6679133	0.3239098	13	0.93167988
ENSG00000188234	10	AGAP4	46321042	rs2279435	10	45923528	A	C	0.558648	0.00046839	0.00813579	0.95409	0.729512	0.114833	2.11E-10	0.00064206	0.0111528	0.9540918	0.4533584	20	0.98968811
ENSG00000251079	10	BMS1P2	47228366	rs199927099	10	47392873	T	C	0.262425	-0.0009751	0.00967943	0.919754	-0.650311	0.101884	1.74E-10	0.00149949	0.0148862	0.9197643	0.0534456	3	0.98130542
ENSG00000215065	10	DUSP8P4	47254247	rs28606449	10	47376448	T	G	0.263419	-0.001671	0.00967867	0.862931	0.656739	0.11687	1.92E-08	-0.0025443	0.0147444	0.8629948	0.06537603	3	0.9761713
ENSG00000226964	10	RHEBP2	47396223	rs57959939	10	47386073	A	C	0.243539	-0.0004369	0.00974389	0.96424	-0.76819	0.13874	3.08E-08	0.00056868	0.0126846	0.9642409	0.8778461	6	0.9900137
ENSG00000107643	10	MAPK8	49514698	rs3827681	10	49659637	C	T	0.588469	-0.0074057	0.00809496	0.360268	0.334404	0.0544196	8.00E-10	-0.022146	0.0244739	0.3655285	0.8753804	17	0.83426107
ENSG00000204152	10	TIMM23B	51371390	rs4838568	10	51057799	T	C	0.286282	0.00367952	0.0091457	0.687447	0.356282	0.0492883	4.88E-13	0.0103275	0.0257096	0.6879043	0.7099169	9	0.93565052
ENSG00000235618	10	RP11-324H6.5	51780942	rs60965269	10	51829520	C	T	0.161034	-0.0135837	0.0104058	0.191758	-0.963298	0.124886	1.22E-14	0.0141012	0.0109559	0.1980611	0.8910563	7	0.73386473
ENSG00000188611	10	ASAH2	51942538	rs7089955	10	52500188	A	G	0.489066	-0.00307	0.00821208	0.708528	0.902358	0.0826518	9.50E-28	-0.0034022	0.00910602	0.7086903	0.691152	20	0.94206936
ENSG00000204147	10	ASAH2B	52499078	rs67440360	10	52508516	T	C	0.347913	-0.0005871	0.00840555	0.944312	-0.702685	0.0722069	2.21E-22	0.00083557	0.0119624	0.944313	0.2517813	19	0.98860811
ENSG00000108064	10	TFAM	60144782	rs7089361	10	60157339	T	C	0.442346	-0.0113183	0.00838146	0.17689	-0.302166	0.0382801	2.94E-15	0.0374572	0.0281409	0.1831694	0.3988429	11	0.72106455
ENSG00000165449	10	SLC16A9	61410523	rs10128501	10	61508784	G	A	0.460239	0.00146133	0.00808398	0.856549	-0.759618	0.0650892	1.81E-31	-0.0019238	0.0106434	0.8565662	0.6044073	20	0.9761713
ENSG00000227877	10	LINC00948	61496753	rs10128501	10	61508784	G	A	0.460239	0.00146133	0.00808398	0.856549	-0.353225	0.0465103	3.09E-14	-0.0041371	0.0228927	0.8565894	0.7511026	13	0.9761713
ENSG00000108091	10	CCDC6	61548521	rs10821589	10	61525890	T	C	0.313121	-0.0007556	0.0093526	0.935605	-0.395225	0.0720069	4.05E-08	0.00191194	0.0236666	0.9356117	0.8855872	6	0.98716188
ENSG00000183346	10	C10orf107	63422719	rs12765373	10	63432048	A	T	0.0854871	-0.0191766	0.0112911	0.0894376	0.982204	0.149475	5.00E-11	-0.019524	0.0118735	0.100105	0.6461996	5	0.63503141
ENSG00000108187	10	PBLD	70042417	rs2305083	10	70044937	A	C	0.198807	-0.0022531	0.00913458	0.805177	0.499771	0.0817238	9.63E-10	-0.0045082	0.0182924	0.805332	0.5574765	9	0.96627637
ENSG00000138346	10	DNA2	70173821	rs12220392	10	70246495	C	T	0.106362	-0.0090575	0.0116969	0.438728	-1.31866	0.122	3.13E-27	0.00686868	0.00889303	0.4398973	0.7934368	20	0.86418942
ENSG00000122912	10	SLC25A16	70237756	rs12220392	10	70246495	C	T	0.106362	-0.0090575	0.0116969	0.438728	1.02144	0.113409	2.12E-19	-0.0088673	0.0114936	0.4404106	0.7444892	20	0.86436908
ENSG00000165730	10	STOX1	70587298	rs884181	10	70586459	C	T	0.133201	-0.0034703	0.0110699	0.753907	0.885121	0.101036	1.94E-18	-0.0039207	0.0125147	0.7540596	0.04264572	14	0.95502521
ENSG00000229261	10	RP11-227H15.4	70975089	rs10823300	10	70879427	A	G	0.617296	0.00506425	0.00811927	0.532803	0.673917	0.11042	1.04E-09	0.00751465	0.0121106	0.5349285	0.9538573	17	0.88710629
ENSG00000042286	10	AIFM2	71857979	rs6480442	10	71900246	T	C	0.406561	0.00746552	0.00815519	0.359966	-0.844133	0.0836917	6.36E-24	-0.008844	0.00970073	0.3619348	0.481243	20	0.83426107
ENSG00000156521	10	TYSND1	71897737	rs6480445	10	71952447	T	C	0.434394	-0.0014607	0.00814892	0.857737	-0.326059	0.0549809	3.02E-09	0.00447999	0.0250036	0.8578012	0.163827	11	0.9761713
ENSG00000180817	10	PPA1	71962586	rs56076025	10	72045054	C	G	0.0675944	0.00033526	0.0148553	0.981995	-0.438587	0.0764078	9.46E-09	-0.0007644	0.0338711	0.981995	0.4288252	8	0.99510769
ENSG00000148734	10	NPFFR1	72007085	rs56076025	10	72045054	C	G	0.0675944	0.00033526	0.0148553	0.981995	-1.18829	0.159853	1.06E-13	-0.0002821	0.0125015	0.9819949	0.5604139	11	0.99510769
ENSG00000107742	10	SPOCK2	73818793	rs1245547	10	73846341	G	A	0.403579	0.0126887	0.00823939	0.123559	-0.373629	0.040882	6.29E-20	-0.0339607	0.0223632	0.1288642	0.1373278	13	0.67336822
ENSG00000156026	10	MCU	74451889	rs34906646	10	74350282	G	A	0.636183	0.00175161	0.00815339	0.829899	-0.521388	0.0699271	8.91E-14	-0.0033595	0.0156443	0.8299677	0.1682786	20	0.97248978
ENSG00000138315	10	OIT3	74653339	rs3009568	10	74405459	G	T	0.685885	0.00576949	0.00822416	0.482973	-0.418504	0.0715173	4.86E-09	-0.013786	0.019792	0.4860895	0.4910588	11	0.87851987
ENSG00000272630	10	RP11-344N10.5	74857802	rs7901429	10	74975056	T	G	0.0646123	-0.0105014	0.0165328	0.525307	0.968402	0.145209	2.58E-11	-0.010844	0.0171495	0.527175	0.9705074	11	0.88710629
ENSG00000166321	10	NUDT13	74870217	rs2271910	10	74995086	T	C	0.0536779	-0.0038787	0.0190547	0.838702	-0.928275	0.147421	3.04E-10	0.00417834	0.0205377	0.8387855	0.9648341	4	0.97376482
ENSG00000122882	10	ECD	74889913	rs2271910	10	74995086	T	C	0.0536779	-0.0038787	0.0190547	0.838702	-0.57023	0.0877586	8.16E-11	0.0068019	0.0334322	0.8387805	0.9616594	5	0.97376482
ENSG00000138286	10	FAM149B1	74927924	rs112745406	10	74954530	T	C	0.0536779	-0.0061026	0.0190673	0.748924	0.83139	0.133943	5.40E-10	-0.0073403	0.0229647	0.7492464	0.995292	7	0.95412732
ENSG00000156042	10	TTC18	75013517	rs7097119	10	75115117	G	A	0.0636183	-0.0047753	0.018414	0.79538	-0.901391	0.122072	1.54E-13	0.00529773	0.020441	0.7955028	0.9791116	12	0.96375538
ENSG00000165655	10	ZNF503	77157588	rs17184356	10	77878408	G	A	0.178926	0.0128252	0.0112127	0.252702	0.984854	0.11474	9.21E-18	0.0130224	0.0114858	0.2568837	0.8362392	4	0.77529567
ENSG00000272692	10	RP11-399K21.14	77168915	rs17184356	10	77878408	G	A	0.178926	0.0128252	0.0112127	0.252702	0.990587	0.148037	2.21E-11	0.0129471	0.0114834	0.2595493	0.8294548	4	0.77529567
ENSG00000151208	10	DLG5	79550549	rs10824576	10	79566040	C	G	0.342942	0.00064597	0.00904948	0.943093	0.28307	0.0355669	1.74E-15	0.00228203	0.0319703	0.9430957	0.08214337	15	0.98860811
ENSG00000224596	10	ZMIZ1-AS1	80703085	rs10824709	10	80808527	C	T	0.654076	0.0173416	0.00832037	0.037139	-0.580809	0.0710327	2.92E-16	-0.0298577	0.0147836	0.04341932	0.3771669	6	0.52475565
ENSG00000185303	10	SFTPA2	81315608	rs1965707	10	81317292	A	G	0.2833	0.0106838	0.00881749	0.225644	-0.699962	0.0925101	3.84E-14	-0.0152634	0.0127576	0.2315341	0.8222104	20	0.75966913
ENSG00000244733	10	RP11-506M13.3	81420647	rs2559675	10	81434293	A	G	0.420477	0.0062308	0.00815258	0.444704	-0.461689	0.0610306	3.88E-14	-0.0134957	0.0177481	0.447014	0.8063731	20	0.86795298
ENSG00000188199	10	NUTM2B	81462983	rs10749148	10	81596500	T	G	0.576541	-0.0043351	0.00821124	0.59754	0.773203	0.0864997	3.93E-19	-0.0056066	0.0106383	0.5981779	0.8488403	20	0.90850217
ENSG00000225484	10	RP11-773D16.1	81563813	rs7921005	10	81517762	A	G	0.315109	0.00421518	0.0089999	0.639529	-0.763011	0.0831257	4.35E-20	-0.0055244	0.0118106	0.6399634	0.6661465	20	0.92279029
ENSG00000228570	10	NUTM2E	81601114	rs9783140	10	81570079	G	C	0.832008	-0.0090097	0.00948155	0.341991	-1.11444	0.119471	1.08E-20	0.00808454	0.00855194	0.3444824	0.9528606	20	0.83006011
ENSG00000242600	10	MBL1P	81664654	rs61859793	10	81686763	G	A	0.0944334	0.0175792	0.016721	0.29311	1.07372	0.160933	2.53E-11	0.0163722	0.0157651	0.2990325	0.841298	20	0.80667732
ENSG00000133661	10	SFTPD	81697496	rs7903576	10	81741142	G	A	0.599404	0.0158471	0.00817244	0.0524904	0.539212	0.0766091	1.94E-12	0.0293894	0.0157209	0.0615612	0.4801164	17	0.55267744
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	1.2103	0.142301	1.81E-17	0.00545953	0.0103125	0.5965213	0.731058	20	0.90850217
ENSG00000189129	10	PLAC9	81891438	rs2819872	10	81906269	A	G	0.513917	-0.0128858	0.00808596	0.111025	0.538526	0.0847465	2.09E-10	-0.0239279	0.0154799	0.1221683	0.7951279	16	0.66559302
ENSG00000148600	10	CDHR1	85954410	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.441325	0.0715955	7.09E-10	-0.0249512	0.0192764	0.1955308	0.2360201	6	0.73303545
ENSG00000148604	10	RGR	86004809	rs2279228	10	86004736	G	A	0.491054	0.00276043	0.0080484	0.731616	0.616255	0.0731522	3.63E-17	0.00447936	0.013071	0.7318281	0.9836202	9	0.94811051
ENSG00000107779	10	BMPR1A	88516407	rs7078191	10	88587880	G	C	0.393638	-0.0077103	0.00808067	0.340002	-0.380909	0.0595072	1.54E-10	0.0202417	0.0214486	0.3453057	0.3418205	11	0.83006011
ENSG00000122376	10	FAM35A	88853918	rs669007	10	88961402	G	C	0.838966	0.020644	0.0105404	0.0501649	-0.559848	0.0933649	2.02E-09	-0.0368743	0.0198061	0.06263621	0.6400249	7	0.55559132
ENSG00000184923	10	NUTM2A	88985205	rs2434109	10	89097057	C	T	0.813121	-0.007113	0.0106851	0.505607	0.796932	0.103437	1.31E-14	-0.0089255	0.0134577	0.5071876	0.8524382	5	0.88300558
ENSG00000107798	10	LIPA	90973326	rs4933497	10	90968103	G	A	0.279324	-0.0113435	0.00961587	0.238133	0.366539	0.0646115	1.40E-08	-0.0309476	0.0267954	0.2481077	0.6213704	8	0.77298486
ENSG00000185745	10	IFIT1	91152303	rs303213	10	91161082	C	T	0.205765	0.0117418	0.00988018	0.234667	-0.665389	0.0822224	5.84E-16	-0.0176465	0.015008	0.2396714	0.4791068	10	0.76481586
ENSG00000232229	10	LINC00865	91589267	rs12775585	10	91581831	A	G	0.146123	-0.0060152	0.011124	0.588686	1.17058	0.153077	2.06E-14	-0.0051387	0.00952671	0.5896145	0.9744477	18	0.90563726

ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.703567	0.0926267	3.06E-14	-0.0018074	0.012393	0.8840471	0.9082121	11	0.97689669
ENSG00000232709	10	MARK2P9	94178424	rs17875327	10	94274809	G	A	0.112326	0.00691096	0.0110739	0.532579	0.954964	0.137724	4.09E-12	0.00723688	0.011643	0.5342286	0.06774439	4	0.88710629
ENSG00000148690	10	FRA10AC1	95427640	rs1998840	10	95460373	G	T	0.132207	-0.0175233	0.0146115	0.230419	1.00021	0.106359	5.25E-21	-0.0175196	0.0147267	0.2341853	0.9115733	17	0.76051447
ENSG00000173145	10	NOC3L	96075004	rs12782263	10	96121092	C	T	0.177932	-0.0016237	0.0109392	0.882008	0.491168	0.0823691	2.48E-09	-0.0033057	0.0222787	0.8820437	0.8183598	20	0.97689669
ENSG00000119969	10	HELLS	96305547	rs581165	10	96141607	G	A	0.399602	0.00143895	0.00837742	0.863622	0.36324	0.0529485	6.87E-12	0.00396143	0.0230703	0.8636644	0.9435179	9	0.9761713
ENSG00000059573	10	ALDH18A1	97365696	rs557043	10	97359448	C	T	0.477137	-0.0049935	0.00809539	0.537347	0.568268	0.0774104	2.12E-13	-0.0087872	0.0142959	0.5387774	0.6092	16	0.88794169
ENSG00000095587	10	TLL2	98124363	rs3789944	10	98149277	A	G	0.44831	0.0118392	0.0080742	0.142567	0.596067	0.0866902	6.16E-12	0.0198622	0.0138504	0.1515568	0.4112048	11	0.69162558
ENSG00000052749	10	RRP12	99116115	rs12266723	10	99149750	A	G	0.336978	-0.0014507	0.00843658	0.863473	0.448453	0.0706877	2.24E-10	-0.0032349	0.0188195	0.8635227	0.2077883	5	0.9761713
ENSG00000171314	10	PGAM1	99185917	rs77309868	10	99195200	T	C	0.05666	0.041998	0.0178285	0.0184897	-0.583982	0.0966889	1.54E-09	-0.0719166	0.0327691	0.02818873	0.8800976	3	0.45479297
ENSG00000171160	10	MORN4	99374310	rs3814555	10	99376092	C	T	0.197813	-0.0259226	0.00969143	0.00747756	-0.571559	0.0661773	5.78E-18	0.0453542	0.0177507	0.01061667	0.2150424	8	0.3476779
ENSG00000107521	10	HPS1	100175955	rs942809	10	100168001	A	G	0.235586	-0.0064371	0.0095345	0.499589	0.441314	0.0720338	8.98E-10	-0.0145862	0.0217356	0.5021733	0.7976434	8	0.88095299
ENSG00000233690	10	EBAG9P1	101457164	rs3740077	10	101480550	G	T	0.307157	-0.0271931	0.00847465	0.00133309	0.61326	0.0867337	1.54E-12	-0.0443419	0.0151755	0.0034785	0.1303514	13	0.27554195
ENSG00000095485	10	CWF19L1	101992055	rs34955138	10	102039187	G	T	0.427435	-0.0058233	0.00853518	0.49507	0.661135	0.0703484	5.56E-21	-0.008808	0.0129439	0.4962031	0.01521521	20	0.88088085
ENSG00000196072	10	BLOC1S2	102033713	rs12765052	10	102048979	T	G	0.0487078	0.0174694	0.018279	0.33922	-0.43487	0.0686027	2.31E-10	-0.0401715	0.0425083	0.3446444	0.00152116	7	0.83006011
ENSG00000075826	10	SEC31B	102246399	rs10509744	10	102271579	T	C	0.191849	0.0295779	0.00955345	0.00196119	-0.658812	0.0775864	2.04E-17	-0.0448958	0.0154349	0.00362901	0.6397076	9	0.27554195
ENSG00000055950	10	MRPL43	102729215	rs11190787	10	102758625	T	G	0.181909	-0.0115113	0.0104554	0.270901	0.305632	0.0481722	2.23E-10	-0.0376639	0.0347204	0.2780197	0.5619352	7	0.79317517
ENSG00000186862	10	PDZD7	102767440	rs11190803	10	102790799	A	C	0.314115	0.00274844	0.00919388	0.764983	-0.881709	0.0674507	4.77E-39	-0.0031172	0.0104301	0.7650437	0.3055644	8	0.95817515
ENSG00000269609	10	RP11-18I14.10	104209574	rs1133932	10	104215975	G	A	0.0944334	-0.0058032	0.0179323	0.746229	-0.437896	0.0787957	2.74E-08	0.0132524	0.0410204	0.746644	0.4791851	4	0.95252035
ENSG00000138111	10	TMEM180	104221149	rs12781742	10	104227469	A	G	0.560636	0.00605593	0.00807329	0.453183	-0.756211	0.0669254	1.32E-29	-0.0080083	0.0106995	0.4541757	0.9076469	20	0.86795298
ENSG00000156398	10	SFXN2	104474295	rs7068910	10	104515850	C	T	0.698807	-0.0002634	0.00822313	0.974448	0.375988	0.067157	2.16E-08	-0.0007005	0.0218711	0.9744479	0.9233859	6	0.99262076
ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.700892	0.0690113	3.11E-24	0.00535692	0.0140291	0.7025776	0.3222176	20	0.94116663
ENSG00000214435	10	AS3MT	104629273	rs11191424	10	104625886	A	G	0.349901	-0.0167289	0.00860721	0.0519446	-1.08135	0.0942246	1.74E-30	0.0154704	0.00807303	0.05532638	0.5691667	20	0.54765098
ENSG00000235266	10	RP11-753C18.8	104647631	rs10786721	10	104654383	A	C	0.416501	-0.009364	0.00828684	0.258484	-0.796904	0.0970988	2.27E-16	0.0117504	0.0104969	0.2629608	0.5398534	20	0.77749882
ENSG00000272912	10	RP11-724N1.1	104674342	rs11191424	10	104625886	A	G	0.349901	-0.0167289	0.00860721	0.0519446	-0.600938	0.0823896	3.01E-13	0.027838	0.0148227	0.06037322	0.1456436	20	0.55267744
ENSG00000076685	10	NT5C2	104845940	rs4319443	10	105122052	A	G	0.150099	0.00334308	0.0115381	0.772014	-0.308698	0.0460422	2.02E-11	-0.0108296	0.0374115	0.7722198	0.7526419	14	0.96041176
ENSG00000065613	10	SLK	105726959	rs75893183	10	105749620	G	A	0.222664	-0.0013257	0.00937037	0.88749	-0.355978	0.0606826	4.46E-09	0.00372419	0.0263305	0.8875224	0.757168	4	0.97855798
ENSG00000148834	10	GSTO1	105995114	rs116998616	10	106038831	A	T	0.0178926	0.0454459	0.039093	0.245029	-0.958923	0.146762	6.41E-11	-0.0473926	0.0414078	0.2524027	0.9860508	3	0.77529567
ENSG00000065621	10	GSTO2	106028631	rs641071	10	106028157	T	G	0.395626	-0.0107766	0.00855879	0.207984	-0.971853	0.0760139	1.98E-37	0.0110887	0.00884928	0.2101822	0.01636611	20	0.74515605
ENSG00000148700	10	ADD3	111756126	rs11194923	10	111695762	G	A	0.16501	-0.0230373	0.011416	0.0435943	0.855926	0.0683631	5.78E-36	-0.0269151	0.0135097	0.04634125	0.1912064	20	0.53195082
ENSG00000119950	10	MXI1	111967363	rs14401	10	112045171	T	C	0.489066	0.0081644	0.00812213	0.314798	-0.28365	0.0475817	2.50E-09	-0.0287834	0.0290386	0.3215823	0.8553372	11	0.81754566
ENSG00000119927	10	GPAM	113909624	rs2251697	10	113929499	G	C	0.545726	0.00614517	0.00809797	0.44794	0.411874	0.0693635	2.89E-09	0.01492	0.0198212	0.4516115	0.3133567	5	0.86795298
ENSG00000197142	10	ACSL5	114133776	rs4918750	10	114166748	T	C	0.295229	0.0181278	0.00865272	0.0361668	0.29966	0.0544235	3.67E-08	0.0604946	0.0308947	0.05021982	0.1077821	4	0.53502872
ENSG00000232934	10	RP11-324O2.3	114165977	rs8624	10	114187787	C	T	0.298211	0.0220866	0.00871793	0.0112941	0.545793	0.069252	3.24E-15	0.040467	0.0167779	0.01586895	0.3506766	9	0.38004666
ENSG00000165868	10	HSPA12A	118430703	rs1681720	10	118594392	A	G	0.389662	-0.0011524	0.00810032	0.886868	0.422859	0.0711145	2.74E-09	-0.0027253	0.0191616	0.8869001	0.7899032	4	0.97855798
ENSG00000165650	10	PDZD8	119040000	rs363230	10	119029515	T	C	0.5	0.00710655	0.00806352	0.378144	0.245971	0.0395386	4.94E-10	0.0288918	0.0331097	0.3828768	0.03597995	6	0.83860456
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.980515	0.0676033	1.14E-47	0.0113183	0.00835393	0.1754649	0.6855221	20	0.71162277
ENSG00000203805	10	PPAPDC1A	122216466	rs4751791	10	122334561	T	C	0.382704	-0.0034552	0.00839451	0.68063	1.3084	0.085455	6.46E-53	-0.0026408	0.00641818	0.6807381	0.1015812	20	0.93468019
ENSG00000177234	10	C10orf85	122357721	rs4751791	10	122334561	T	C	0.382704	-0.0034552	0.00839451	0.68063	1.25365	0.0812316	9.82E-54	-0.0027561	0.00669844	0.6807364	0.09804649	20	0.93468019
ENSG00000227165	10	WDR11-AS1	122521324	rs10886803	10	122678080	T	C	0.16004	-0.0021245	0.0121072	0.860707	-0.7092	0.111794	2.24E-10	0.00299564	0.0170782	0.8607592	0.9751384	9	0.9761713
ENSG00000120008	10	WDR11	122610687	rs11199630	10	122653107	A	C	0.333996	-0.0055766	0.00882784	0.527577	-0.481561	0.0531264	1.25E-19	0.0115803	0.0183762	0.5285769	0.5831765	17	0.88710629
ENSG00000271670	10	RP11-95I16.4	122638768	rs754869	10	122655718	A	G	0.333996	-0.0056528	0.00882714	0.521924	-0.754587	0.0886951	1.77E-17	0.00749118	0.0117311	0.5230985	0.4755105	12	0.88693216
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-1.05409	0.0859205	1.34E-34	-0.0028647	0.00796766	0.7191932	0.1836381	20	0.94380637
ENSG00000065154	10	OAT	126085872	rs4144117	10	126107506	C	A	0.814115	-0.0036186	0.0131363	0.782955	0.456572	0.0605271	4.58E-14	-0.0079257	0.0287908	0.7830971	0.7391069	10	0.96342048
ENSG00000107902	10	LHPP	126150403	rs4962662	10	126266868	G	A	0.485089	0.0049302	0.00813322	0.544395	0.264872	0.04814	3.75E-08	0.0186135	0.030892	0.5468182	0.5714045	14	0.89269961
ENSG00000170430	10	MGMT	131265448	rs10741191	10	131307276	G	C	0.581511	-0.0059714	0.00808864	0.460363	0.648085	0.0693586	9.28E-21	-0.009214	0.0125197	0.461757	0.8095012	20	0.87178458
ENSG00000175470	10	PPP2R2D	133747955	rs10870232	10	133738537	G	T	0.264414	-0.0016624	0.00897279	0.853017	-0.481135	0.0580483	1.15E-16	0.00345514	0.0186539	0.8530535	0.2256673	11	0.9761713
ENSG00000188385	10	JAKMIP3	133918175	rs11592585	10	133955427	G	A	0.341948	0.00114395	0.00836815	0.891265	0.795237	0.0672321	2.79E-32	0.0014385	0.0105235	0.8912729	0.1463611	17	0.97935905
ENSG00000235010	10	RP11-140A10.3	133994729	rs2637630	10	134024451	G	A	0.805169	-0.0092075	0.010077	0.360872	-0.698037	0.118922	4.37E-09	0.0131905	0.0146101	0.3666128	0.197819	4	0.83463738
ENSG00000151640	10	DPYSL4	134000404	rs4242715	10	133986135	A	G	0.641153	-0.0012757	0.00820195	0.876403	-0.807379	0.075254	7.46E-27	0.00157999	0.0101598	0.8764163	0.2832151	20	0.97689669
ENSG00000148814	10	LRRC27	134145614	rs56678407	10	134167502	A	C	0.11829	-0.0091651	0.0115163	0.426127	0.576853	0.0866391	2.77E-11	-0.0158881	0.0201061	0.4294033	0.3246728	6	0.8617506
ENSG00000171811	10	TTC40	134621896	rs10747072	10	134664230	T	C	0.612326	0.00100319	0.0088316	0.909562	-0.599718	0.0977548	8.52E-10	-0.0016728	0.0147288	0.9095775	0.2598708	13	0.98098987
ENSG00000148824	10	MTG1	135207598	rs2297031	10	135232654	T	C	0.222664	-0.0004777	0.010111	0.962318	0.557671	0.0617949	1.80E-19	-0.0008566	0.018131	0.9623183	0.398441	12	0.98973237
ENSG00000142082	11	SIRT3	215458	rs3216	11	214421	C	G	0.205765	-0.0008357	0.00993294	0.932954	-0.474402	0.0766909	6.18E-10	0.00176148	0.0209397	0.9329598	0.6858608	3	0.98546106
ENSG00000185627	11	PSMD13	236546	rs10794304	11	246456	A	G	0.729622	-0.0042488	0.00944205	0.65272	-0.527262	0.0475676	1.49E-28	0.00805823	0.0179225	0.6529869	0.7127208	20	0.92725626
ENSG00000142102	11	ATHL1	289135	rs7104019	11	295670	A	G	0.743539	-0.0134027	0.00907201	0.139577	0.717995	0.076915	1.01E-20	-0.0186668	0.0127925	0.1445082	0.01447929	14	0.68835807
ENSG00000251661	11	RP11-326C3.11	318640	rs7931303	11	325249	G	A	0.675944	0.00613218	0.00941316	0.514758	-0.59989	0.0918202	6.43E-11	-0.0102222	0.0157693	0.5168343	0.6663973	4	0.88693216
ENSG00000255328	11	RP11-326C3.12	327171	rs6598039	11	330973	T	C	0.406561	0.00818537	0.00806375	0.310067	0.753364	0.0827447	8.65E-20	0.0108651	0.01077	0.3130553	0.6537255	20	0.81455426
ENSG00000174915	11	PTDSS2	448268	rs116101630	11	506826	C	G	0.0974155	-0.0015535	0.0127571	0.903075	-0.598881	0.0713875	4.90E-17	0.00259405	0.0213038	0.9030853	0.7412829	20	0.98098987
ENSG00000023191	11	RNH1	494512	rs3868122	11	493068	G	A	0.475149	0.00086332	0.00810045	0.915125	-0.4505	0.0589452	2.13E-14	-0.0019164	0.0179828	0.915133	0.9022477	20	0.98098987
ENSG00000174775	11	HRAS	532242	rs4963184	11	524397	C	T	0.28827	-0.0035104	0.00917822	0.70211	-0.178899	0.0289917	6.80E-10	0.0196225	0.0514024	0.7026524	0.7503748	20	0.94116663
ENSG00000161328	11	LRRC56	537527	rs72841204	11	519077	T	C	0.204771	0.00283256	0.0102839	0.782982	-0.651937	0.080223	4.42E-16	-0.0043448	0.0157834	0.7831024	0.2247976	20	0.96342048
ENSG00000185522	11	C11orf35	554855	rs12790564	11	728992	G	C	0.526839	-0.011623	0.00814244	0.153447	-0.337852	0.060916	2.92E-08	0.0344026	0.0248861	0.166847	0.3070513	7	0.7037325
ENSG00000070047	11	PHRF1	576486	rs56333810	11	575408	G	C	0.250497	-0.0031723	0.010029	0.751767	0.290409	0.043758	3.21E-11	-0.0109235	0.0345733	0.7520397	0.8206043	14	0.95502521
ENSG00000177030	11	DEAF1	644233	rs28488172	11	677230	G	A	0.701789	-0.0061606	0.00837286	0.461864	-0.288907	0.0410441	1.94E-12	0.0213238	0.0291391	0.4642945	0.9075053	11	0.87178458
ENSG00000177106	11	EPS8L2	694438	rs11246278	11	706510	G	C	0.168986	-4.67E-05	0.012341	0.996979	0.962914	0.10322	1.07E-20	-4.85E-05	0.0128163	0.9969785	0.8259261	20	0.99876374
ENSG00000177042	11	TMEM80	695428	rs12277188	11	688091	T	C	0.492048	-0.0030327	0.0080503	0.706379	-0.837892	0.0736274	5.25E-30	0.00361948	0.00961306	0.7065331	0.8078464	20	0.94206936
ENSG00000255284	11	AP006621.5	777578	rs4963156	11	780827	T	C	0.440358	-0.000728	0.0080981	0.928369	0.894282	0.0767332	2.18E-31	-0.0008141	0.00905569	0.9283714	0.2192807	20	0.98455434
ENSG00000255142	11	AP006621.6	781645	rs7104929	11	784340	G	C	0.445328	0.0004775	0.00809258	0.952948	0.749919	0.0838603	3.81E-19	0.00063673	0.0107915	0.9529495	0.2279442	20	0.98968811
ENSG00000177595	11	PIDD	799179	rs11246314	11	805589	A	G	0.489066	0.0016095	0.00815605	0.843563	0.727441	0.0588774	4.57E-35	0.00221255	0.0112134	0.8435826	0.2560797	20	0.97412703
ENSG00000177666	11	PNPLA2	818902	rs7925131	11	820268	G	A	0.692843	0.011214	0.00915735	0.220731	-0.37484	0.0527411	1.18E-12	-0.0299168	0.02479	0.2275065	0.6162574	13	0.75779347
ENSG00000177697	11	CD151	832843	rs28681202	11	834098	T	C	0.664016	-0.0148321	0.00940852	0.114921	0.494819	0.0568214	3.08E-18	-0.0299748	0.0193231	0.120844	0.6006963	9	0.66559302
ENSG00000214063	11	TSPAN4	842808	rs4074344	11	872529	T	C	0.301193	-0.0012932	0.00903805	0.886222	-0.440355	0.0733295	1.91E-09	0.00293677	0.0205303	0.8862542	0.5771727	9	0.97855798
ENSG00000233930	11	KRTAP5-AS1	1592583	rs11034984	11	1610056	G	A	0.531809	-0.0079639	0.00831002	0.337888	-0.792266	0.0580991	2.43E-42	0.010052	0.0105148	0.3390779	0.5559027	20	0.82647938
ENSG00000185940	11	KRTAP5-5	1651033	rs10768781	11	1642299	A	T	0.554672	-0.007267	0.00818108	0.374398	0.691007	0.0855813	6.79E-16	-0.0105165	0.0119108	0.3772695	0.3983691	11	0.83735401
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-1.0695	0.0962889	1.16E-28	-0.0004763	0.0102035	0.9627715	0.8017383	8	0.98973237
ENSG00000226416	11	MRPL23-AS1	2004467	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.902999	0.110621	3.27E-16	-0.0005641	0.012085	0.9627718	0.7344441	3	0.98973237
ENSG00000021762	11	OSBPL5	3108346	rs4285853	11	3233344	T	C	0.73161	-0.0014032	0.00881129	0.873476	0.621676	0.0833735	8.88E-14	-0.002257	0.0141767	0.8735048	0.8117888	11	0.97689669
ENSG00000005801	11	ZNF195	3360491	rs10766972	11	3398429	G	A	0.792247	0.00673536	0.00988999	0.495854	0.474726	0.0633655	6.79E-14	0.0141879	0.0209189	0.4976249	0.6350269	13	0.88088085
ENSG00000223756	11	TSSC2	3402191	rs7112834	11	3400820	G	A	0.900596	0.00829118	0.0135404	0.54032	-1.32283	0.144889	6.85E-20	-0.0062678	0.0102589	0.5412284	0.7094634	12	0.88967268
ENSG00000167325	11	RRM1	4115937	rs12806698	11	4115974	A	C	0.2833	0.00289706	0.00844048	0.731422	0.333685	0.0439693	3.22E-14	0.00868202	0.0253206	0.7316861	0.1897725	20	0.94811051
ENSG00000132109	11	TRIM21	4406127	rs12275634	11	4211754	G	T	0.366799	-0.0004781	0.00825888	0.953834	0.505689	0.080695	3.69E-10	-0.0009455	0.0163326	0.9538363	0.3663273	20	0.98968811
ENSG00000167333	11	TRIM68	4619902	rs2499990	11	5062292	C	T	0.32505	0.00350715	0.00853784	0.681235	-0.627255	0.0795326	3.10E-15	-0.0055913	0.0136299	0.6816437	0.3482826	19	0.93468019
ENSG00000132259	11	CNGA4	6255995	rs77094397	11	6256668	G	A	0.0188867	0.0261372	0.0225678	0.246797	2.18391	0.354254	7.06E-10	0.0119681	0.0105144	0.2550157	0.05501437	3	0.77529567
ENSG00000170955	11	PRKCDBP	6340176	rs1552514	11	6356217	T	G	0.841948	-0.0274686	0.010996	0.0124876	-0.458077	0.0783211	4.95E-09	0.059965	0.0261026	0.02160248	0.07898308	9	0.4128198
ENSG00000166311	11	SMPD1	6411655	rs11601088	11	6415392	T	C	0.120278	-0.0096839	0.0131024	0.459851	-0.343713	0.0569778	1.62E-09	0.0281743	0.0384052	0.4631891	0.5755946	4	0.87178458
ENSG00000166402	11	TUB	8040791	rs11041742	11	8126923	A	G	0.208748	-0.0156453	0.00963862	0.104548	0.355974	0.0545359	6.69E-11	-0.0439507	0.0279014	0.115207	0.83031	20	0.65779296
ENSG00000166405	11	RIC3	8127597	rs7106556	11	8162838	T	C	0.215706	-0.013014	0.00926539	0.160146	0.638284	0.0676684	4.00E-21	-0.020389	0.0146761	0.1647525	0.1955611	20	0.70109631
ENSG00000130413	11	STK33	8413418	rs10769918	11	8609710	C	T	0.508946	0.0029968	0.00810175	0.711461	0.62411	0.0822716	3.30E-14	0.00480172	0.0129967	0.7117875	0.9237972	20	0.94276983
ENSG00000166452	11	AKIP1	8932686	rs7925728	11	9013002	G	A	0.580517	-0.0001263	0.00805845	0.987496	-0.374374	0.061834	1.41E-09	0.00033734	0.0215252	0.9874963	0.2079537	20	0.99723012
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	1.32877	0.118496	3.49E-29	0.00872453	0.00783855	0.2656961	0.232995	11	0.77910332
ENSG00000175352	11	NRIP3	9002123	rs143813282	11	9005065	T	C	0.0168986	0.0861459	0.0684025	0.207887	1.97704	0.236455	6.21E-17	0.0435732	0.0349887	0.2130035	0.8744776	6	0.74660166
ENSG00000253973	11	RP11-467K18.2	9025709	rs143813282	11	9005065	T	C	0.0168986	0.0861459	0.0684025	0.207887	1.57173	0.274052	9.74E-09	0.0548096	0.0445575	0.2186641	0.8758311	6	0.75497764
ENSG00000166478	11	ZNF143	9481866	rs12280301	11	9536999	A	G	0.0715706	0.00511771	0.0164618	0.755889	0.655535	0.119544	4.17E-08	0.00780692	0.0251523	0.7562678	0.09838991	3	0.95502521
ENSG00000177112	11	MRVI1-AS1	10562819	rs12278433	11	10563823	T	C	0.0954274	0.00179857	0.0151155	0.905284	-0.928603	0.16363	1.39E-08	-0.0019369	0.0162813	0.9053052	0.7002674	4	0.98098987
ENSG00000255260	11	CTD-3224I3.3	11264735	rs12282401	11	11292864	T	C	0.218688	-0.0074431	0.00967366	0.441644	-0.744762	0.115567	1.16E-10	0.00999394	0.0130812	0.4448707	0.7846542	12	0.86795298
ENSG00000133816	11	MICAL2	12115543	rs11022131	11	12072213	G	C	0.222664	0.0116637	0.00914708	0.202265	-0.506325	0.054397	1.30E-20	-0.023036	0.0182344	0.206471	0.9778337	6	0.74155842
ENSG00000197702	11	PARVA	12398732	rs10741588	11	12400992	T	C	0.90159	0.00260985	0.0140282	0.852411	-0.85411	0.10587	7.17E-16	-0.0030556	0.0164287	0.8524497	0.5297188	10	0.9761713
ENSG00000254847	11	RP11-51B23.3	12559630	rs11022331	11	12399750	A	G	0.895626	0.00292968	0.0134111	0.827077	-0.68252	0.108169	2.79E-10	-0.0042925	0.0196612	0.827179	0.3341625	8	0.9711119
ENSG00000175868	11	CALCB	14926543	rs11023380	11	14930058	G	A	0.474155	-0.0005441	0.00824021	0.947358	-0.651021	0.089108	2.75E-13	0.00083571	0.0126579	0.9473597	0.5550014	9	0.9896202
ENSG00000070081	11	NUCB2	17229700	rs214083	11	17298859	C	G	0.570577	-0.0106887	0.00810954	0.18749	-0.31122	0.0466389	2.51E-11	0.0343445	0.0265607	0.195991	0.9050827	11	0.73303545
ENSG00000006071	11	ABCC8	17414432	rs4148638	11	17422955	A	C	0.313121	0.0157178	0.00865046	0.0692197	0.448426	0.05978	6.32E-14	0.035051	0.0198486	0.07740881	0.4602176	10	0.57866171
ENSG00000166788	11	SAAL1	18091482	rs11024458	11	18082483	G	A	0.272366	-0.0012179	0.00884677	0.890501	-0.703593	0.0998298	1.82E-12	0.00173103	0.0125761	0.8905215	0.1264652	19	0.97924277
ENSG00000110756	11	HPS5	18300223	rs10766469	11	18323316	C	G	0.536779	-0.0104294	0.00806897	0.196174	-0.407902	0.0598046	9.07E-12	0.0255684	0.0201337	0.2041096	0.9607666	9	0.74155842
ENSG00000166796	11	LDHC	18433854	rs11605386	11	18433720	G	C	0.115308	0.0315272	0.0136316	0.0207339	1.44093	0.139581	5.53E-25	0.0218798	0.00969479	0.02401705	0.8011424	13	0.42398436
ENSG00000166800	11	LDHAL6A	18477371	rs4757666	11	18480499	A	G	0.303181	0.0206672	0.00936134	0.0272634	0.838139	0.0967876	4.74E-18	0.0246584	0.0115265	0.03241229	0.4730074	11	0.4847168
ENSG00000171714	11	ANO5	22214722	rs4565894	11	22224523	G	T	0.796223	0.00878553	0.0102913	0.393281	-0.681308	0.0782918	3.26E-18	-0.0128951	0.0151777	0.3955437	0.3656352	18	0.84410017
ENSG00000198168	11	SVIP	22835345	rs2286811	11	22851172	T	C	0.294235	-0.0161716	0.00878827	0.0657476	-0.413462	0.0571165	4.52E-13	0.0391127	0.0219313	0.07451855	0.5363769	10	0.57064283
ENSG00000187398	11	LUZP2	24518516	rs76040769	11	25223579	C	T	0.0238569	0.0243726	0.031866	0.444362	2.61771	0.322657	4.94E-16	0.00931066	0.0122272	0.4463763	0.5885878	6	0.86795298
ENSG00000152219	11	ARL14EP	30344598	rs1228479	11	30365566	T	C	0.666004	0.00500074	0.00853887	0.558115	0.44995	0.0537746	5.89E-17	0.011114	0.0190238	0.5590757	0.01139063	11	0.89615301
ENSG00000270903	11	HNRNPA3P9	32613339	rs183235	11	32592714	A	G	0.452286	-0.0135546	0.00807672	0.0933018	0.38123	0.0516077	1.50E-13	-0.0355549	0.0217258	0.1017289	0.06484392	16	0.63826532
ENSG00000149089	11	APIP	34874641	rs17349298	11	34949198	T	G	0.328032	0.00361881	0.00922704	0.694914	1.06922	0.0730347	1.56E-48	0.00338453	0.00863279	0.6950172	0.2353532	20	0.93862719
ENSG00000149084	11	HSD17B12	43577986	rs4755744	11	43817730	A	C	0.67992	-0.0049273	0.00871588	0.571854	0.57438	0.0574688	1.61E-23	-0.0085785	0.0151987	0.5724676	0.2130484	19	0.9004891
ENSG00000110455	11	ACCS	44087475	rs178505	11	44084849	T	C	0.456262	0.00618176	0.00811163	0.446008	0.594445	0.0840134	1.49E-12	0.0103992	0.0137246	0.4486283	0.6113104	20	0.86795298
ENSG00000157570	11	TSPAN18	44748015	rs835983	11	44933990	A	G	0.574553	0.00157763	0.00815243	0.846554	-0.675159	0.0786942	9.53E-18	-0.0023367	0.0120779	0.846593	0.3130154	10	0.9761713
ENSG00000019505	11	SYT13	45261852	rs3180446	11	45263340	T	C	0.314115	-0.0075501	0.00853185	0.376191	-0.449621	0.0642819	2.66E-12	0.0167922	0.0191269	0.3799778	0.2852901	20	0.83846816
ENSG00000254427	11	RP11-430H10.1	45376922	rs4755976	11	45358699	G	A	0.256461	-0.0205821	0.00991262	0.0378617	0.605259	0.0931413	8.12E-11	-0.0340054	0.0171932	0.04794647	0.09176487	17	0.53502872
ENSG00000254651	11	RP11-430H10.3	45420998	rs970179	11	45433845	G	A	0.518887	-0.0293212	0.0081135	0.00030166	0.669529	0.0736789	1.02E-19	-0.0437938	0.0130414	0.0007849	0.7888804	8	0.17322719
ENSG00000205106	11	CTD-2210P24.4	45792983	rs7130242	11	45815234	T	C	0.135189	0.00162876	0.0111702	0.884069	0.708409	0.128527	3.55E-08	0.00229918	0.0157735	0.8841093	0.5157542	5	0.97689669
ENSG00000165912	11	PACSIN3	47199076	rs4647713	11	47239270	A	G	0.101392	0.00742939	0.0157339	0.636791	0.531841	0.0931957	1.15E-08	0.0139692	0.0296849	0.6379394	0.9989151	8	0.92237337
ENSG00000110514	11	MADD	47290712	rs326214	11	47298360	A	G	0.689861	-0.0116632	0.00820585	0.155222	0.317853	0.0450775	1.77E-12	-0.0366937	0.0263357	0.163528	0.04053053	15	0.70082793
ENSG00000255197	11	RP11-750H9.5	47404699	rs2293579	11	47440758	A	G	0.369781	0.0272152	0.00878777	0.00195528	-0.478971	0.0704361	1.05E-11	-0.0568201	0.0201603	0.00482615	0.1109755	17	0.27554195
ENSG00000213619	11	NDUFS3	47586888	rs10838724	11	47527052	T	G	0.397614	-0.0241549	0.00844098	0.00421483	0.199817	0.0336946	3.03E-09	-0.120885	0.0469047	0.00995894	0.1080915	20	0.34446388
ENSG00000172247	11	C1QTNF4	47611216	rs11605348	11	47606483	A	G	0.353877	-0.0259668	0.00843267	0.00207482	-0.411893	0.0625677	4.61E-11	0.0630426	0.022602	0.00528298	0.04125304	17	0.27554195
ENSG00000109919	11	MTCH2	47638867	rs4752857	11	47655752	T	C	0.353877	-0.0249698	0.0084253	0.00303997	0.293071	0.0427647	7.23E-12	-0.0852005	0.0313214	0.00652423	0.05420675	12	0.30382153
ENSG00000134802	11	SLC43A3	57174427	rs2581928	11	57202790	G	A	0.762425	0.0066861	0.00892421	0.453732	-0.642349	0.0822397	5.69E-15	-0.0104088	0.0139569	0.4557966	0.81533	20	0.86795298
ENSG00000186907	11	RTN4RL2	57228022	rs2581928	11	57202790	G	A	0.762425	0.0066861	0.00892421	0.453732	-0.792194	0.0954016	1.01E-16	-0.00844	0.0113109	0.4555598	0.7245419	20	0.86795298
ENSG00000149150	11	SLC43A1	57252007	rs2511986	11	57231559	C	G	0.785288	-0.0056031	0.00979158	0.567161	-0.597175	0.0853172	2.57E-12	0.00938269	0.0164512	0.5684507	0.3927089	20	0.89751123
ENSG00000214872	11	SMTNL1	57308979	rs2729370	11	57318943	A	G	0.44334	-0.0008005	0.00807987	0.921078	0.876036	0.0834836	9.25E-26	-0.0009138	0.00922363	0.9210811	0.1741606	12	0.98243811
ENSG00000156603	11	MED19	57471186	rs61888880	11	57521627	T	C	0.246521	-0.0163498	0.00880783	0.0634132	0.523496	0.0930848	1.87E-08	-0.0312319	0.0177179	0.07794454	0.07435146	6	0.58021333
ENSG00000214788	11	OOSP1	59705928	rs78416481	11	59575156	A	G	0.0457256	0.017972	0.0144207	0.212666	1.20153	0.201625	2.53E-09	0.0149576	0.0122616	0.2225129	0.4961792	10	0.75497764
ENSG00000149506	11	ZP1	60635035	rs7105089	11	60660152	C	T	0.367793	0.0142472	0.00835558	0.0881739	-0.548486	0.0896509	9.47E-10	-0.0259755	0.0158145	0.1004836	0.08474782	8	0.6364479
ENSG00000013725	11	CD6	60739115	rs2074227	11	60776781	C	T	0.357853	-0.0147868	0.0093533	0.113896	-1.01861	0.0963234	3.90E-26	0.0145166	0.00928446	0.1179251	0.4346458	20	0.66110705
ENSG00000110448	11	CD5	60869867	rs10792302	11	60896165	C	T	0.658052	-0.0095581	0.00860123	0.266463	-1.03053	0.094425	9.91E-28	0.00927491	0.00838957	0.2689306	0.7079946	20	0.78217005
ENSG00000204950	11	LRRC10B	61276272	rs2924446	11	61260882	T	C	0.868787	0.027742	0.0137442	0.0435452	-0.829276	0.141211	4.29E-09	-0.0334533	0.0175254	0.05628171	0.0746948	10	0.5488752
ENSG00000011347	11	SYT7	61282785	rs3019192	11	61268257	G	A	0.867793	0.0283256	0.0138196	0.0403971	-0.443545	0.0673803	4.62E-11	-0.0638618	0.0326326	0.05034802	0.05654336	13	0.53502872
ENSG00000134780	11	DAGLA	61447905	rs11604261	11	61479205	A	G	0.055666	0.022049	0.0170097	0.194887	1.2417	0.121753	2.01E-24	0.0177571	0.0138089	0.1984728	0.6455958	10	0.73394554
ENSG00000149485	11	FADS1	61567099	rs174562	11	61585144	G	A	0.34493	0.0238797	0.00815738	0.00341838	-0.737664	0.0755534	1.62E-22	-0.0323721	0.0115448	0.00504655	0.1165932	20	0.27554195
ENSG00000221968	11	FADS3	61640991	rs28456	11	61589481	G	A	0.310139	0.0238627	0.00823168	0.00374498	-0.337357	0.0542957	5.19E-10	-0.0707343	0.0269256	0.00861338	0.3320307	7	0.34446388
ENSG00000162194	11	C11orf48	62430287	rs693698	11	62438819	T	G	0.729622	0.0123416	0.00962183	0.199609	-0.707672	0.0899856	3.71E-15	-0.0174397	0.0137761	0.2055349	0.5048524	14	0.74155842
ENSG00000162222	11	TTC9C	62495541	rs113777195	11	62513643	A	G	0.193837	-0.0165981	0.0115243	0.149791	0.676742	0.0997503	1.17E-11	-0.0245265	0.0174086	0.158873	0.4432945	3	0.6985639
ENSG00000176485	11	PLA2G16	63340667	rs3809072	11	63381976	A	C	0.537773	0.00044917	0.00826836	0.956678	-0.400231	0.0592777	1.46E-11	-0.0011223	0.0206596	0.9566789	0.3669287	4	0.98968811
ENSG00000219435	11	TEX40	64067863	rs71456309	11	64108262	G	T	0.159046	0.0151487	0.011174	0.17519	-0.655575	0.0985727	2.92E-11	-0.0231075	0.0173951	0.1840489	0.5567194	17	0.72271566
ENSG00000126432	11	PRDX5	64085560	rs66968227	11	64070930	C	T	0.16004	0.0140313	0.0110267	0.203203	-0.279646	0.0464951	1.80E-09	-0.0501752	0.0403038	0.2131586	0.6623339	15	0.74660166
ENSG00000236935	11	AP003774.1	64092522	rs10792429	11	64106727	C	T	0.154076	6.59E-05	0.0111569	0.995287	-0.799497	0.0925257	5.58E-18	-8.24E-05	0.0139549	0.9952871	0.4261171	20	0.99876374
ENSG00000168071	11	CCDC88B	64107695	rs479552	11	64110683	C	G	0.371769	-0.0134796	0.00819479	0.0999908	-0.930684	0.0726324	1.38E-37	0.0144835	0.00887738	0.1027826	0.7275051	20	0.63826532
ENSG00000255200	11	AP003068.18	64941588	rs3825072	11	64954053	T	C	0.302187	-0.0126017	0.00885515	0.15471	-0.708941	0.0954242	1.09E-13	0.0177754	0.0127178	0.1622085	0.2216554	11	0.69993711
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-1.11198	0.10266	2.44E-27	0.0112321	0.00803075	0.1619208	0.03851084	17	0.69993711
ENSG00000197847	11	SLC22A20	64981311	rs2271450	11	64972354	T	A	0.407555	0.0019575	0.00835107	0.814674	0.467131	0.0739876	2.73E-10	0.00419047	0.0178897	0.8147989	0.01743149	15	0.96881317
ENSG00000245532	11	NEAT1	65190245	rs674485	11	65197393	A	G	0.756461	-0.0025536	0.0109241	0.815172	-0.649804	0.0693838	7.58E-21	0.00392982	0.0168166	0.8152284	0.02312976	10	0.96881317
ENSG00000214659	11	KRT8P26	65494410	rs67995174	11	65547889	G	C	0.209742	-0.0105587	0.0112658	0.348637	-0.531332	0.0720812	1.69E-13	0.0198721	0.0213736	0.3525007	0.8923489	5	0.83426107
ENSG00000172818	11	OVOL1	65554493	rs948493	11	65552154	T	C	0.347913	0.0008888	0.00813554	0.913005	0.722558	0.10048	6.43E-13	0.00123008	0.0112607	0.9130146	0.8748136	16	0.98098987
ENSG00000172803	11	SNX32	65601112	rs17854357	11	65601560	C	G	0.161034	0.0109134	0.012092	0.366773	1.22488	0.102784	9.65E-33	0.00890977	0.00990026	0.3681451	0.6822139	13	0.83463738

ENSG00000172638	11	EFEMP2	65633912	rs633800	11	65638719	A	G	0.502982	0.00033734	0.0081269	0.96689	-0.468693	0.0592377	2.53E-15	-0.0007198	0.0173397	0.9668901	0.9472306	16	0.99005812
ENSG00000175315	11	CST6	65779312	rs1131544	11	65779590	T	C	0.162028	-0.007922	0.0119336	0.506791	0.766866	0.103993	1.65E-13	-0.0103304	0.0156244	0.5085057	0.6562549	8	0.88300558
ENSG00000087365	11	SF3B2	65818200	rs477280	11	65835251	A	C	0.275348	-0.0004077	0.00874749	0.96283	-0.605866	0.063793	2.15E-21	0.00067285	0.0144382	0.9628301	0.06474991	10	0.98973237
ENSG00000255320	11	RP11-755F10.1	66012311	rs3814738	11	66060538	T	G	0.180915	-0.0247162	0.0107464	0.0214516	1.1848	0.114044	2.78E-25	-0.0208611	0.00928984	0.02473089	0.107936	20	0.43161339
ENSG00000255468	11	RP11-867G23.8	66115421	rs10896118	11	66163547	A	G	0.333002	-0.0140771	0.00885622	0.111945	0.66508	0.0815249	3.41E-16	-0.021166	0.0135664	0.1187181	0.6049617	14	0.66331992
ENSG00000254510	11	RP11-867G23.10	66176629	rs12785321	11	66179736	C	A	0.66004	0.0152582	0.00884237	0.0844228	-0.589123	0.0792544	1.06E-13	-0.0258999	0.0154085	0.09278595	0.108377	14	0.61615525
ENSG00000174165	11	ZDHHC24	66288108	rs59829960	11	66338867	A	G	0.239563	0.00074396	0.00833721	0.928896	-0.673738	0.0888085	3.29E-14	-0.0011042	0.0123754	0.9289014	0.1790931	17	0.98455434
ENSG00000250105	11	CTD-3074O7.2	66326337	rs618838	11	66328719	C	T	0.562624	-0.0004347	0.00863339	0.959845	-0.766155	0.0918784	7.51E-17	0.00056735	0.0112687	0.9598454	0.03629536	10	0.98968811
ENSG00000199325	11	RNU4-39P	66382435	rs10896128	11	66324529	A	G	0.158052	0.0099574	0.010858	0.359115	0.81126	0.135051	1.89E-09	0.012274	0.0135392	0.3646431	0.5627604	6	0.83426107
ENSG00000172830	11	SSH3	67070919	rs6591240	11	67072786	T	G	0.964215	-0.003763	0.0191028	0.843837	1.24419	0.116481	1.24E-26	-0.0030245	0.0153562	0.8438632	0.4931241	14	0.97412703
ENSG00000172725	11	CORO1B	67205519	rs1638588	11	67199706	A	C	0.423459	0.00340427	0.00832404	0.682563	-0.328935	0.047432	4.07E-12	-0.0103494	0.02535	0.6830834	0.09308728	14	0.93468019
ENSG00000084207	11	GSTP1	67351066	rs4930431	11	67294308	T	C	0.434394	0.00055259	0.00841733	0.947657	-0.301423	0.0395311	2.44E-14	-0.0018333	0.0279263	0.947659	0.1335295	18	0.98968058
ENSG00000167792	11	NDUFV1	67374323	rs1871043	11	67374581	C	T	0.38171	0.0139103	0.00828032	0.0929715	0.226168	0.0358413	2.79E-10	0.0615043	0.0378866	0.1045081	0.2309732	4	0.63826532
ENSG00000231793	11	DOC2GP	67380124	rs2126718	11	67389129	C	T	0.562624	-0.0173227	0.00810565	0.0325889	0.555187	0.0589256	4.43E-21	-0.0312016	0.0149707	0.03714458	0.0773979	20	0.50417602
ENSG00000255306	11	RP5-901A4.1	67792277	rs4646808	11	67784749	G	C	0.21173	-0.0192365	0.0117382	0.101255	0.852847	0.117818	4.53E-13	-0.0225556	0.0141119	0.1099661	0.5616063	16	0.65010932
ENSG00000197345	11	MRPL21	68658744	rs636049	11	68667198	C	A	0.300199	-0.0081456	0.0083271	0.327976	-0.882634	0.0561671	1.20E-55	0.0092287	0.00945264	0.3289113	0.4827643	20	0.82470658
ENSG00000132740	11	IGHMBP2	68671310	rs11828194	11	68725642	T	C	0.265408	-0.0004586	0.0116901	0.968706	-0.581296	0.0727076	1.30E-15	0.00078895	0.0201106	0.9687067	0.4288812	20	0.99005812
ENSG00000172938	11	MRGPRD	68747490	rs11601763	11	68775717	T	C	0.26839	-0.0156469	0.00901686	0.0826894	-0.737393	0.0898966	2.35E-16	0.0212192	0.0124987	0.08956074	0.1050641	13	0.60865657
ENSG00000261625	11	RP11-554A11.4	68768233	rs11601763	11	68775717	T	C	0.26839	-0.0156469	0.00901686	0.0826894	-0.738427	0.0668351	2.23E-28	0.0211895	0.0123606	0.08647763	0.3091912	20	0.59649551
ENSG00000172935	11	MRGPRF	68771863	rs12420399	11	68762280	A	G	0.259443	0.0021625	0.0124291	0.861875	-0.364038	0.0660956	3.63E-08	-0.0059403	0.0341593	0.861944	0.9845538	6	0.9761713
ENSG00000162341	11	TPCN2	68816365	rs61881080	11	68955996	A	G	0.10338	0.00542123	0.0111765	0.627636	0.591125	0.0989591	2.32E-09	0.00917104	0.0189694	0.6287657	0.07758623	17	0.91925859
ENSG00000186895	11	FGF3	69624992	rs10908231	11	69638127	C	T	0.496024	0.00767815	0.00818363	0.348125	-0.555385	0.0896616	5.86E-10	-0.0138249	0.0149031	0.3535883	0.5640204	9	0.83426107
ENSG00000131626	11	PPFIA1	70116806	rs7130178	11	70208311	A	G	0.348907	0.00191708	0.00819529	0.815044	-0.56531	0.0608023	1.44E-20	-0.0033912	0.0145016	0.815101	0.00283211	9	0.96881317
ENSG00000085733	11	CTTN	70244510	rs6894	11	70282629	C	A	0.235586	-0.0275344	0.00988311	0.00533617	0.372132	0.0577965	1.21E-10	-0.0739909	0.0289377	0.01056078	0.1792693	3	0.3476779
ENSG00000254682	11	RP11-660L16.2	71159720	rs11233747	11	71171642	A	G	0.700795	0.00740373	0.00824541	0.369227	0.884658	0.0591397	1.37E-50	0.00836903	0.00933723	0.3700883	0.3803983	20	0.83514419
ENSG00000254997	11	KRTAP5-9	71259466	rs9651754	11	71279222	A	T	0.469185	0.00366289	0.00815696	0.653395	-0.495245	0.087658	1.61E-08	-0.0073961	0.0165225	0.6544136	0.9350005	3	0.92795396
ENSG00000158483	11	FAM86C1	71498556	rs7941502	11	71465967	C	A	0.565606	-0.0043358	0.00842545	0.606827	-0.621763	0.0726614	1.16E-17	0.00697341	0.0135754	0.6074753	0.4521568	20	0.91288367
ENSG00000137496	11	IL18BP	71709587	rs142450764	11	71733828	T	C	0.0129225	0.0291412	0.0463053	0.529136	-1.43981	0.205506	2.45E-12	-0.0202396	0.0322902	0.5307878	0.2731503	4	0.88710629
ENSG00000186642	11	PDE2A	72287185	rs79147547	11	72339239	C	G	0.0656064	0.00397356	0.0170958	0.816205	0.900799	0.111291	5.77E-16	0.00441115	0.0189863	0.8162792	0.5891658	13	0.96881317
ENSG00000214530	11	STARD10	72465774	rs10898875	11	72497807	C	T	0.399602	0.00153252	0.00848969	0.856748	-0.179894	0.0303385	3.04E-09	-0.008519	0.0472146	0.8568136	0.2981925	9	0.9761713
ENSG00000175581	11	MRPL48	73498361	rs72989224	11	73500783	C	T	0.128231	0.0265062	0.0103106	0.0101473	0.523211	0.0691055	3.70E-14	0.0506606	0.0208114	0.01492174	0.1937715	12	0.37299146
ENSG00000149380	11	P4HA3	73946846	rs10898977	11	74022163	G	A	0.523857	0.00671858	0.0083005	0.418274	-0.446803	0.0813949	4.03E-08	-0.015037	0.0187784	0.4232704	0.5661099	15	0.8584192
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.29691	0.0803802	1.46E-58	0.00072825	0.00660245	0.9121716	0.5270293	20	0.98098987
ENSG00000241170	11	RP11-147I3.1	74587331	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	-0.61039	0.0621707	9.42E-23	-0.0015473	0.0140289	0.9121751	0.5569711	20	0.98098987
ENSG00000149273	11	RPS3	75110530	rs35378921	11	75118589	A	C	0.0656064	0.0175381	0.0125672	0.162853	-0.491666	0.0890732	3.39E-08	-0.0356708	0.0263647	0.176064	0.388002	4	0.71225101
ENSG00000182704	11	TSKU	76493295	rs3758711	11	76495560	T	C	0.246521	-0.0060054	0.0097104	0.536282	-0.718271	0.0823595	2.75E-18	0.00836084	0.0135531	0.5373033	0.4220604	11	0.88739746
ENSG00000261578	11	RP11-21L23.2	76511408	rs3758711	11	76495560	T	C	0.246521	-0.0060054	0.0097104	0.536282	-0.705088	0.0869339	5.04E-16	0.00851716	0.0138119	0.5374623	0.9607999	6	0.88739746
ENSG00000255449	11	RP11-91P24.6	77577458	rs60567392	11	77359910	T	C	0.0964215	-0.0036536	0.0101588	0.719106	-0.875764	0.144089	1.22E-09	0.00417195	0.0116202	0.7195766	0.263552	11	0.94380637
ENSG00000254675	11	RP11-7I15.4	77733979	rs12790412	11	77739228	C	G	0.390656	0.0223214	0.00829224	0.00710575	-0.87287	0.0682927	2.09E-37	-0.0255724	0.00970837	0.0084371	0.4529031	18	0.34446388
ENSG00000151365	11	THRSP	77774907	rs631345	11	77796974	C	G	0.628231	0.0157859	0.00846343	0.0621541	0.740665	0.0849759	2.88E-18	0.0213131	0.0116855	0.06816772	0.09034563	18	0.56129172
ENSG00000151366	11	NDUFC2	77779350	rs1812166	11	77833506	T	G	0.459245	0.0142705	0.00806938	0.0769821	0.498689	0.0556103	3.03E-19	0.028616	0.0164928	0.08273052	0.1199341	20	0.59275403
ENSG00000159063	11	ALG8	77811982	rs2845556	11	77811726	C	T	0.633201	0.0158063	0.00845827	0.0616595	0.69027	0.0725271	1.78E-21	0.0228987	0.0124875	0.06669476	0.09221982	20	0.56065982
ENSG00000246174	11	KCTD21-AS1	77850817	rs7101694	11	77853896	T	C	0.464215	0.0142124	0.00807694	0.0784711	-0.895468	0.0774698	6.65E-31	-0.0158715	0.00912371	0.08193183	0.1177817	20	0.59111468
ENSG00000188997	11	KCTD21	77882295	rs10793288	11	77846757	A	G	0.45825	0.0139708	0.00807144	0.0834718	0.71839	0.0645472	8.99E-29	0.0194474	0.0113705	0.08720428	0.1173192	20	0.59960258
ENSG00000118369	11	USP35	77899858	rs58565853	11	78036707	T	C	0.181909	0.0198336	0.0100875	0.0492799	0.653641	0.103902	3.16E-10	0.0303433	0.016169	0.06056787	0.174533	20	0.55267744
ENSG00000033327	11	GAB2	77926343	rs631345	11	77796974	C	G	0.628231	0.0157859	0.00846343	0.0621541	0.387059	0.0670097	7.64E-09	0.0407842	0.0229777	0.07590693	0.5201252	5	0.57457094
ENSG00000137513	11	NARS2	78147007	rs7124803	11	78280822	G	T	0.765408	-0.0036439	0.00888748	0.681805	0.761164	0.0719595	3.78E-26	-0.0047873	0.0116849	0.6820306	0.03115814	19	0.93468019
ENSG00000246067	11	RAB30-AS1	82783108	rs3763812	11	82783814	T	C	0.0815109	0.0107895	0.0138629	0.436392	-0.719783	0.100936	9.96E-13	-0.0149899	0.0193742	0.4391048	0.2414153	8	0.86418942
ENSG00000137494	11	ANKRD42	82904781	rs7124362	11	83065931	C	T	0.67495	0.00921402	0.00855143	0.281265	-0.564631	0.0758947	1.01E-13	-0.0163187	0.0153032	0.2862622	0.2257657	12	0.79513447
ENSG00000137500	11	CCDC90B	82970139	rs513438	11	82967963	C	T	0.375746	-0.002292	0.00822894	0.780608	-0.483098	0.0596923	5.81E-16	0.00474436	0.0170438	0.7807336	0.2698915	11	0.96342048
ENSG00000074266	11	EED	85955586	rs7942971	11	85964627	T	C	0.425447	0.0110381	0.00812797	0.174451	-0.381377	0.0650351	4.51E-09	-0.0289428	0.0218762	0.185827	0.4286508	5	0.72629627
ENSG00000110218	11	PANX1	93862094	rs4753126	11	93862020	T	C	0.518887	-0.011507	0.00814837	0.157894	0.31819	0.0572551	2.74E-08	-0.0361639	0.0264224	0.1710972	0.4086484	4	0.70823871
ENSG00000250519	11	RP11-680H20.2	93971316	rs629201	11	93985523	G	A	0.428429	0.00133722	0.00815247	0.86971	-0.66779	0.0921545	4.28E-13	-0.0020025	0.0122113	0.8697435	0.8237817	16	0.9761713
ENSG00000123901	11	GPR83	94110477	rs4753549	11	93933778	A	G	0.833002	-0.0122507	0.0111427	0.271578	-1.21334	0.121149	1.31E-23	0.0100967	0.00923866	0.27445	0.6140264	20	0.79013639
ENSG00000020922	11	MRE11A	94152895	rs12224966	11	94128777	G	A	0.358847	-0.0096355	0.00831659	0.246623	0.71983	0.0624001	8.72E-31	-0.0133859	0.0116117	0.2489954	0.6919334	20	0.77306764
ENSG00000150316	11	CWC15	94695787	rs55881158	11	94743931	C	T	0.145129	0.00642003	0.0126993	0.613177	-0.332507	0.0543663	9.59E-10	-0.019308	0.0383228	0.6143852	0.2538752	6	0.9147172
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	1.16658	0.082114	8.31E-46	0.00943467	0.0104502	0.3666182	0.8304517	20	0.83463738
ENSG00000110318	11	KIAA1377	101785746	rs1783740	11	101779050	G	A	0.412525	0.00941522	0.00855373	0.271021	-0.47971	0.0787677	1.13E-09	-0.0196269	0.0181199	0.2787347	0.148197	5	0.79433574
ENSG00000256422	11	RP11-886D15.1	104316596	rs10895708	11	104465708	A	T	0.225646	0.0115516	0.00877065	0.187814	0.324887	0.0568058	1.07E-08	0.0355557	0.0277026	0.1993236	0.8796256	16	0.73394554
ENSG00000261098	11	RP11-819C21.1	107182858	rs608352	11	107283313	A	C	0.258449	0.00401782	0.0104855	0.701586	0.373008	0.0573479	7.81E-11	0.0107714	0.0281594	0.7020791	0.2282759	14	0.94116663
ENSG00000170290	11	SLN	107578104	rs1471599	11	107594681	C	T	0.346918	-0.0036073	0.00893518	0.686422	0.519022	0.0868229	2.26E-09	-0.0069501	0.0172546	0.6870969	0.3507828	5	0.93565052
ENSG00000110660	11	SLC35F2	107661717	rs7104117	11	107732391	T	C	0.413519	0.013097	0.00808336	0.105179	0.49862	0.0776919	1.38E-10	0.0262665	0.0167201	0.1161934	0.4528276	8	0.65779296
ENSG00000075239	11	ACAT1	107992243	rs12361905	11	108015769	A	C	0.583499	-0.0051006	0.00813073	0.530451	-0.28962	0.049879	6.38E-09	0.0176112	0.0282372	0.5328323	0.2764442	5	0.88710629
ENSG00000137727	11	ARHGAP20	110447766	rs11213526	11	110544825	G	C	0.134195	-0.0478145	0.0113695	2.61E-05	-0.488373	0.0811236	1.74E-09	0.0979057	0.0283983	0.00056561	0.2191489	15	0.16556306
ENSG00000197580	11	BCO2	112046190	rs13328843	11	112044687	C	G	0.348907	-0.00703	0.00887964	0.428538	0.595577	0.0872869	8.90E-12	-0.0118036	0.0150093	0.4316219	0.5532607	13	0.86250564
ENSG00000149292	11	TTC12	113185251	rs10891537	11	113211370	G	T	0.485089	-0.0157952	0.00810176	0.0512236	-0.511874	0.0667667	1.77E-14	0.0308576	0.0163314	0.05882958	0.3497924	19	0.55118985
ENSG00000170209	11	ANKK1	113258513	rs6589371	11	113192797	T	C	0.134195	-0.018913	0.0137542	0.169112	0.810792	0.124374	7.08E-11	-0.0233266	0.0173372	0.1784752	0.3274397	5	0.71466724
ENSG00000256972	11	AP000462.3	115204296	rs2105976	11	115210500	A	G	0.435388	-0.0016981	0.00811064	0.834167	-0.704551	0.0878139	1.03E-15	0.00241012	0.0115157	0.8342222	0.9099603	10	0.97330482
ENSG00000246100	11	LINC00900	115624966	rs12419439	11	115628122	T	C	0.0457256	-0.0162188	0.0195676	0.407182	0.748044	0.114075	5.47E-11	-0.0216816	0.0263665	0.4108965	0.9407208	9	0.85000195
ENSG00000257067	11	AP000797.4	115803492	rs1502077	11	115536508	A	G	0.596421	-0.0039422	0.00811328	0.627047	0.552617	0.0977773	1.59E-08	-0.0071336	0.0147357	0.6283129	0.1377551	3	0.91925859
ENSG00000254851	11	RP11-109L13.1	117006244	rs171052	11	117081763	G	C	0.261431	-0.0068707	0.00884573	0.437323	1.17194	0.0973038	2.08E-33	-0.0058627	0.00756362	0.4382731	0.744272	20	0.86354175
ENSG00000168092	11	PAFAH1B2	117014983	rs2622935	11	117010758	G	A	0.757455	0.00664015	0.00903593	0.462425	0.319476	0.0416298	1.66E-14	0.0207845	0.028413	0.4644649	0.8189569	20	0.87178458
ENSG00000186318	11	BACE1	117156402	rs76380380	11	117171475	G	C	0.0178926	-0.0246326	0.0278331	0.376151	1.05089	0.151561	4.10E-12	-0.0234398	0.0267001	0.380004	0.2786979	3	0.83846816
ENSG00000110274	11	CEP164	117185273	rs516712	11	117192376	G	A	0.421471	-0.0057561	0.00817212	0.481207	0.469549	0.0520806	1.95E-19	-0.0122588	0.0174572	0.4825406	0.87566	19	0.87816986
ENSG00000137731	11	FXYD2	117671559	rs562089	11	117710118	A	C	0.812127	-0.0024051	0.0128847	0.851922	-0.69953	0.10236	8.26E-12	0.00343822	0.018426	0.8519768	0.7249615	4	0.9761713
ENSG00000149582	11	TMEM25	118401756	rs58270621	11	118413604	A	G	0.133201	-0.0026351	0.0110616	0.811712	-0.610589	0.0726585	4.33E-17	0.00431564	0.0181236	0.8117857	0.5864658	8	0.96881317
ENSG00000118096	11	IFT46	118415243	rs3132828	11	118431003	G	A	0.543738	-0.0056588	0.0082203	0.491206	0.408145	0.0593285	6.01E-12	-0.0138647	0.0202412	0.493362	0.2280499	3	0.88088085
ENSG00000019144	11	PHLDB1	118477155	rs112959066	11	118482565	A	T	0.183897	0.00912759	0.00994031	0.358493	0.634999	0.0849287	7.61E-14	0.0143742	0.0157717	0.3620885	0.2466585	17	0.83426107
ENSG00000118181	11	RPS25	118886422	rs3802881	11	118890022	T	C	0.0944334	0.00701796	0.0120211	0.559353	-0.366243	0.0654361	2.18E-08	-0.019162	0.0330008	0.5614742	0.104923	6	0.89657901
ENSG00000196655	11	TRAPPC4	118889142	rs569	11	118894287	G	A	0.227634	-0.0046618	0.00953482	0.624895	0.56415	0.0599063	4.63E-21	-0.0082634	0.016924	0.6253606	0.03162916	14	0.91925859
ENSG00000160695	11	VPS11	118938403	rs1799991	11	118957091	A	G	0.361829	-0.0078428	0.00879732	0.372664	-0.346967	0.0466282	9.98E-14	0.0226038	0.0255362	0.3760674	0.1388988	10	0.83735401
ENSG00000256269	11	HMBS	118955576	rs1799991	11	118957091	A	G	0.361829	-0.0078428	0.00879732	0.372664	0.413167	0.0556121	1.09E-13	-0.0189821	0.0214452	0.3760781	0.4353436	5	0.83735401
ENSG00000172367	11	PDZD3	119056166	rs7929799	11	119055362	G	A	0.464215	-3.39E-05	0.00806413	0.996649	0.546067	0.0896336	1.11E-09	-6.20E-05	0.0147677	0.996649	0.9112169	6	0.99876374
ENSG00000110395	11	CBL	119076752	rs2509671	11	119175075	A	C	0.299205	-0.0073473	0.00887051	0.407508	0.40426	0.0479899	3.64E-17	-0.0181748	0.0220484	0.4097616	0.6797784	14	0.85000195
ENSG00000076706	11	MCAM	119179241	rs11217234	11	119177938	G	A	0.262425	-0.0023199	0.00908955	0.798544	0.542657	0.066636	3.84E-16	-0.0042752	0.0167583	0.798641	0.5625973	12	0.96408387
ENSG00000154096	11	THY1	119288090	rs12421359	11	119277583	G	A	0.271372	0.00334684	0.00893987	0.708127	-0.378084	0.0533754	1.41E-12	-0.0088521	0.0236782	0.7085155	0.6148816	8	0.94206936
ENSG00000196914	11	ARHGEF12	120207787	rs10892576	11	120294423	T	C	0.390656	0.0131711	0.00810033	0.103952	-0.168624	0.026536	2.09E-10	-0.0781093	0.0495855	0.1152001	0.5573234	4	0.65779296
ENSG00000166261	11	ZNF202	123594885	rs10502270	11	123627668	G	A	0.591451	-0.005041	0.00811028	0.534235	-0.31731	0.0463032	7.24E-12	0.0158866	0.0256644	0.5359075	0.2984871	14	0.88710629
ENSG00000245498	11	RP11-677M14.7	124670346	rs1783888	11	124676532	T	G	0.366799	-0.0044745	0.00873847	0.608617	0.359173	0.0559264	1.34E-10	-0.0124578	0.0244066	0.609752	0.1429099	5	0.91429334
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.791287	0.0915354	5.40E-18	-0.0059345	0.0111036	0.5930177	0.2269497	8	0.90678602
ENSG00000149548	11	CCDC15	124824017	rs7109952	11	124913175	A	G	0.147117	-0.0087935	0.0124971	0.481657	0.763244	0.122448	4.57E-10	-0.0115212	0.0164777	0.4844281	0.6806622	4	0.87816986
ENSG00000150433	11	TMEM218	124966398	rs7030	11	124967155	T	G	0.310139	0.00289139	0.00887746	0.744651	0.360271	0.0582897	6.38E-10	0.0080256	0.0246753	0.7449927	0.2181037	4	0.95197383
ENSG00000149557	11	FEZ1	125315646	rs560412	11	125357749	T	C	0.191849	-0.0100941	0.00963851	0.294976	-0.350591	0.0485026	4.89E-13	0.0287917	0.0277792	0.2999942	0.906646	4	0.80667732
ENSG00000149554	11	CHEK1	125495036	rs77256447	11	125477311	T	C	0.0705765	-0.0148466	0.0184466	0.420911	0.874579	0.159906	4.52E-08	-0.0169757	0.0213191	0.425877	0.1588337	8	0.8584192
ENSG00000064309	11	CDON	125825691	rs7124748	11	125846293	C	T	0.380716	0.0103081	0.0082365	0.210747	0.847693	0.0665766	3.90E-37	0.0121602	0.00976319	0.2129435	0.5125827	20	0.74660166
ENSG00000110074	11	FOXRED1	126138950	rs672908	11	126149651	G	C	0.76839	0.0180493	0.00970191	0.0628304	0.820196	0.0649327	1.42E-36	0.0220061	0.0119564	0.06569031	0.854013	20	0.56065982
ENSG00000170322	11	NFRKB	129733531	rs56216616	11	129768505	T	C	0.209742	0.0086987	0.0106895	0.415779	-0.382856	0.0491278	6.54E-15	-0.0227206	0.0280722	0.4183078	0.5075185	20	0.85625643
ENSG00000170325	11	PRDM10	129769601	rs78388354	11	129821094	C	T	0.0218688	0.0483051	0.0274915	0.0789024	1.64722	0.175954	7.85E-21	0.0293252	0.0169811	0.08417892	0.3003899	4	0.59548107
ENSG00000175773	11	RP11-121M22.1	130184888	rs747250	11	130271678	G	T	0.494036	-0.0003448	0.00805269	0.965844	0.585677	0.0914248	1.49E-10	-0.0005888	0.0137497	0.965845	0.3979432	6	0.99005812
ENSG00000255455	11	RP11-890B15.3	130736149	rs3751034	11	130785304	C	T	0.198807	0.00611454	0.0094	0.515381	0.56242	0.0858708	5.77E-11	0.0108718	0.0167957	0.5174388	0.0206937	7	0.88693216
ENSG00000120451	11	SNX19	130745331	rs3794133	11	130767486	T	G	0.198807	0.00656055	0.00939529	0.485001	0.770708	0.0747847	6.64E-25	0.00851237	0.0122184	0.486001	0.09025187	20	0.87851987
ENSG00000166105	11	GLB1L3	134144139	rs3132809	11	134146406	C	G	0.412525	0.00093364	0.00905441	0.917872	-0.746405	0.0899942	1.10E-16	-0.0012509	0.0121316	0.9178782	0.549054	16	0.98098987
ENSG00000251226	11	RP11-469N6.1	134605490	rs1944888	11	134626169	G	T	0.297217	-0.0109382	0.00945552	0.247354	1.05085	0.105243	1.77E-23	-0.0104089	0.00905816	0.2505067	0.2250737	20	0.77306764
ENSG00000120645	12	IQSEC3	175931	rs2291919	12	280349	A	C	0.289264	-9.89E-05	0.0087769	0.991011	0.479593	0.0646517	1.19E-13	-0.0002062	0.0183007	0.9910112	0.8010206	9	0.99856501
ENSG00000256694	12	RP11-598F7.5	273830	rs10505717	12	277182	T	C	0.322068	0.00261141	0.00858756	0.761058	-0.420412	0.0552588	2.78E-14	-0.0062116	0.0204428	0.7612425	0.5713131	20	0.95711719
ENSG00000256540	12	RP11-598F7.6	276022	rs10505717	12	277182	T	C	0.322068	0.00261141	0.00858756	0.761058	-0.505331	0.055544	9.21E-20	-0.0051677	0.0170034	0.761187	0.5224003	20	0.95711719
ENSG00000256577	12	RP11-283I3.2	312808	rs216249	12	311816	T	C	0.505964	-0.0052024	0.00805826	0.518543	-0.819598	0.100313	3.07E-16	0.00634744	0.00986261	0.5198438	0.9137264	20	0.88693216
ENSG00000120647	12	CCDC77	498439	rs2369280	12	508859	T	G	0.763419	0.0154213	0.00869307	0.0760659	0.578445	0.0659486	1.77E-18	0.0266599	0.0153326	0.08207522	0.4543775	20	0.59111468
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.852201	0.111194	1.80E-14	-0.0185675	0.012644	0.1419746	0.9405598	16	0.68835807
ENSG00000002016	12	RAD52	1021243	rs3748522	12	1058688	C	A	0.518887	0.0018652	0.00809099	0.817682	0.570775	0.0666674	1.11E-17	0.00326784	0.0141806	0.8177464	0.5168865	20	0.96881317
ENSG00000151067	12	CACNA1C	2079952	rs886898	12	2481936	C	T	0.856859	0.00731227	0.00995059	0.462426	-0.95343	0.120315	2.29E-15	-0.0076694	0.0104814	0.4643404	0.2171605	7	0.87178458
ENSG00000078246	12	TULP3	2986389	rs7313383	12	3034484	A	G	0.204771	0.00923721	0.0100853	0.359715	-0.425039	0.0612438	3.92E-12	-0.0217326	0.0239337	0.3638598	0.6582185	4	0.83426107
ENSG00000197905	12	TEAD4	3068496	rs4766018	12	3089300	C	G	0.904573	0.0117877	0.0125236	0.346579	-0.549375	0.096466	1.23E-08	-0.0214566	0.0231053	0.3530751	0.7046899	8	0.83426107
ENSG00000011105	12	TSPAN9	3186521	rs79328962	12	3254960	T	G	0.0984095	0.0198902	0.0139236	0.153141	0.779969	0.108348	6.08E-13	0.0255013	0.0181996	0.1611537	0.8355247	4	0.69993711
ENSG00000236908	12	RP5-1063M23.2	3427884	rs4766095	12	3402692	G	A	0.774354	-0.0009438	0.00914569	0.917808	-0.591984	0.0961741	7.49E-10	0.00159428	0.0154514	0.9178197	0.05746481	17	0.98098987
ENSG00000111218	12	PRMT8	3490515	rs3782761	12	3652626	C	T	0.253479	0.00354944	0.00848705	0.675787	0.319394	0.0573243	2.52E-08	0.011113	0.0266471	0.6766454	0.4657669	5	0.93468019
ENSG00000111224	12	PARP11	3900213	rs10774176	12	3969126	G	A	0.0695825	-0.0269354	0.0226182	0.233704	-0.931474	0.129139	5.47E-13	0.028917	0.0246109	0.2400081	0.490603	5	0.76481586
ENSG00000118971	12	CCND2	4382938	rs76895963	12	4384844	G	T	0.0238569	0.0064841	0.0242955	0.789558	2.01233	0.244573	1.90E-16	0.00322219	0.0120797	0.7896659	0.298681	4	0.96375538
ENSG00000078237	12	C12orf5	4430371	rs186541200	12	4419628	C	T	0.0238569	-0.0144765	0.0197961	0.464608	1.69136	0.240962	2.23E-12	-0.0085591	0.0117676	0.4670154	0.9415912	4	0.87331371
ENSG00000010219	12	DYRK4	4671370	rs720673	12	4723669	T	A	0.447316	0.00165569	0.00815793	0.839171	0.294875	0.0503187	4.62E-09	0.00561489	0.0276823	0.8392655	0.6331278	4	0.97376482
ENSG00000111254	12	AKAP3	4724674	rs979877	12	4757896	C	T	0.522863	-0.0023352	0.00829202	0.778235	0.761549	0.0823269	2.24E-20	-0.0030664	0.0108934	0.7783357	0.8831785	16	0.96342048
ENSG00000255474	12	RP11-234B24.2	4809583	rs2074984	12	4779351	G	T	0.345924	0.00199428	0.00849334	0.81436	-0.495509	0.0705801	2.21E-12	-0.0040247	0.0171502	0.8144618	0.4873056	8	0.96881317
ENSG00000111319	12	SCNN1A	6456009	rs10849447	12	6484709	C	T	0.493042	-0.0087726	0.00845456	0.299447	-0.670731	0.09715	5.05E-12	0.0130792	0.0127466	0.3048462	0.7793046	4	0.80750206
ENSG00000111321	12	LTBR	6484211	rs2364480	12	6495275	A	C	0.734592	-0.0136862	0.00941184	0.145905	-0.357972	0.0628636	1.24E-08	0.0382326	0.0271358	0.1588547	0.7714488	8	0.6985639
ENSG00000139192	12	TAPBPL	6560856	rs2532496	12	6564448	G	A	0.305169	0.00134647	0.00889573	0.879691	0.643066	0.0719968	4.19E-19	0.00209383	0.0138353	0.8797078	0.5083666	13	0.97689669
ENSG00000139190	12	VAMP1	6571403	rs2532515	12	6586728	C	T	0.506958	0.0101523	0.00809613	0.209854	-0.840987	0.0691212	4.67E-34	-0.0120719	0.00967793	0.2122648	0.8234562	17	0.74602157
ENSG00000010292	12	NCAPD2	6602522	rs76725690	12	6584679	C	G	0.690855	0.00282882	0.00917038	0.757722	-0.354488	0.0600759	3.62E-09	-0.00798	0.0259047	0.7580421	0.7972487	5	0.95582718
ENSG00000111664	12	GNB3	6949118	rs5441	12	6949026	G	A	0.652087	-0.0026188	0.00819645	0.749345	-0.521624	0.0528378	5.50E-23	0.00502046	0.0157216	0.7494719	0.04741676	14	0.95412732
ENSG00000111665	12	CDCA3	6953957	rs1047776	12	6948692	G	A	0.645129	-0.0026755	0.00817768	0.743536	-0.670561	0.0673737	2.45E-23	0.00398999	0.0122019	0.7436693	0.1722327	20	0.95097907
ENSG00000111671	12	SPSB2	6980099	rs2001004	12	6977359	G	A	0.305169	-0.0009903	0.00928199	0.915038	0.6219	0.0741037	4.77E-17	-0.0015923	0.0149264	0.9150447	0.9146978	12	0.98098987
ENSG00000010626	12	LRRC23	6982733	rs2239163	12	7014076	G	C	0.297217	-0.004683	0.00940127	0.618399	0.660846	0.0686392	6.10E-22	-0.0070863	0.0142451	0.6188693	0.6324567	12	0.91759776
ENSG00000111684	12	LPCAT3	7085348	rs7962738	12	7166672	A	T	0.0516899	0.0219855	0.0170935	0.198375	-0.923507	0.164032	1.80E-08	-0.0238065	0.0189862	0.2098832	0.5204665	8	0.74515605
ENSG00000173262	12	SLC2A14	7965108	rs73059326	12	8060963	A	G	0.11332	0.015466	0.01141	0.175266	1.07643	0.168253	1.58E-10	0.0143679	0.0108351	0.1848258	0.2409639	9	0.72480012
ENSG00000255581	12	RP11-69M1.4	8169797	rs12819689	12	8152164	T	C	0.419483	-0.0086661	0.00837591	0.300837	0.514501	0.067677	2.91E-14	-0.0168436	0.0164298	0.305274	0.4341274	12	0.80750206
ENSG00000244050	12	RP11-266K4.1	8352195	rs12372630	12	8352832	T	C	0.554672	-0.0047755	0.00808303	0.55465	0.609823	0.107379	1.35E-08	-0.007831	0.0133262	0.5567769	0.4697471	9	0.89575241
ENSG00000226091	12	LINC00937	8448582	rs35834165	12	8461878	A	G	0.0765408	-0.0359808	0.0132147	0.00647336	1.41176	0.159169	7.34E-19	-0.0254865	0.00979157	0.00924386	0.7971707	20	0.34446388
ENSG00000139187	12	KLRG1	9102640	rs7136774	12	9178852	T	G	0.262425	4.88E-05	0.00908693	0.995714	0.672198	0.0634265	3.04E-26	7.26E-05	0.0135182	0.9957144	0.3407036	20	0.99876374
ENSG00000111788	12	RP11-22B23.1	9429831	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-1.21779	0.0804192	8.43E-52	0.0028333	0.00665188	0.6701513	0.1804392	20	0.93167988
ENSG00000260423	12	RP13-735L24.1	9520060	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.793766	0.0983444	6.96E-16	0.00434684	0.0102154	0.6704603	0.2925271	20	0.93167988
ENSG00000214826	12	DDX12P	9570309	rs12300272	12	9436288	G	C	0.424453	-0.0034504	0.00809739	0.670028	-0.945309	0.0856756	2.63E-28	0.00364999	0.00857225	0.6702598	0.2251626	20	0.93167988
ENSG00000214776	12	RP11-726G1.1	9620148	rs56222234	12	9557062	C	T	0.709742	0.00931896	0.00929124	0.315869	0.737253	0.104847	2.04E-12	0.0126401	0.0127301	0.3207424	0.4026512	20	0.81748223
ENSG00000256594	12	RP11-705C15.2	9787188	rs10844427	12	9834394	G	A	0.337972	0.0187057	0.00849567	0.0276802	0.518031	0.0927423	2.33E-08	0.0361092	0.0176281	0.04052127	0.815669	8	0.51210082
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.89747	0.210672	2.12E-19	-0.0073072	0.010049	0.4671312	0.7867253	20	0.87331371
ENSG00000205809	12	KLRC2	10579453	rs12824247	12	10552299	C	G	0.156064	0.0107718	0.0111209	0.332743	0.985685	0.14764	2.45E-11	0.0109282	0.0114005	0.337774	0.00982692	12	0.82540122
ENSG00000134545	12	KLRC1	10594863	rs7966231	12	10696297	T	C	0.82505	0.0216382	0.0122508	0.0773517	-1.33282	0.132545	8.68E-24	-0.0162349	0.00933236	0.08192298	0.8730817	13	0.59111468
ENSG00000256667	12	KLRAP1	10741077	rs11053857	12	10707247	A	T	0.225646	-0.0076311	0.00976368	0.43446	0.539599	0.0627704	8.23E-18	-0.0141422	0.018169	0.4363499	0.1163047	9	0.86298249
ENSG00000111215	12	PRR4	10977559	rs7488102	12	11323994	A	G	0.637177	-0.0070692	0.00839025	0.399479	-1.03706	0.0809136	1.32E-37	0.0068166	0.00810788	0.4004952	0.4079634	20	0.84423725
ENSG00000256651	12	RP11-144O23.8	10983673	rs3863325	12	11350912	C	A	0.653082	-0.0082995	0.00850466	0.329124	-0.490945	0.0785335	4.07E-10	0.0169052	0.0175328	0.3349455	0.3701823	10	0.82540122
ENSG00000231887	12	PRH1	11033610	rs7488102	12	11323994	A	G	0.637177	-0.0070692	0.00839025	0.399479	-0.963546	0.0850967	1.01E-29	0.00733667	0.00873175	0.4007801	0.4669797	20	0.84423725
ENSG00000212127	12	TAS2R14	11090005	rs10772397	12	11138683	T	C	0.657058	-0.009542	0.00840476	0.256248	-0.832418	0.0679014	1.50E-34	0.0114629	0.01014	0.2582795	0.5788263	18	0.77529567
ENSG00000212125	12	TAS2R15	11117024	rs10772408	12	11151599	C	T	0.589463	0.00616902	0.00819732	0.451711	-0.479341	0.0726214	4.10E-11	-0.0128698	0.017212	0.4546284	0.7347729	20	0.86795298
ENSG00000255837	12	TAS2R20	11149094	rs67861347	12	11216751	G	A	0.383698	-0.0030087	0.00863883	0.727636	-0.524793	0.0855837	8.68E-10	0.00573304	0.0164879	0.728057	0.7535081	13	0.94626628

ENSG00000212124	12	TAS2R19	11174218	rs3983335	12	11218535	A	G	0.497018	0.00209225	0.00820079	0.798624	0.577678	0.0810087	9.96E-13	0.00362183	0.0142052	0.7987503	0.4206311	16	0.96408387
ENSG00000256019	12	TAS2R63P	11200931	rs1551193	12	11318574	A	C	0.356859	-0.0005424	0.00866224	0.950068	1.0082	0.0976285	5.33E-25	-0.000538	0.00859194	0.9500694	0.5113029	18	0.98968811
ENSG00000226761	12	TAS2R46	11213964	rs71453440	12	11346176	A	C	0.361829	0.00094947	0.00867327	0.912829	1.15994	0.103327	3.04E-29	0.00081855	0.0074777	0.912833	0.4674169	17	0.98098987
ENSG00000256274	12	TAS2R64P	11229368	rs1551193	12	11318574	A	C	0.356859	-0.0005424	0.00866224	0.950068	1.29963	0.0909172	2.36E-46	-0.0004174	0.00666522	0.950069	0.5228493	20	0.98968811
ENSG00000255374	12	TAS2R43	11243886	rs10772413	12	11156123	T	C	0.383698	-0.0029686	0.00863855	0.731114	1.15661	0.0901035	1.02E-37	-0.0025666	0.00747153	0.7312071	0.7119947	19	0.94811051
ENSG00000256537	12	RP11-785H5.1	11323963	rs35119575	12	11327990	G	C	0.217694	0.00770926	0.00922129	0.403139	0.55156	0.0710811	8.52E-15	0.0139772	0.0168153	0.4058506	0.1659527	9	0.84683083
ENSG00000247157	12	RP11-434C1.1	11700964	rs2416549	12	11325804	A	G	0.652087	-0.007021	0.00850251	0.408945	-1.05424	0.0958289	3.77E-28	0.00665974	0.00808775	0.4102606	0.5887565	20	0.85000195
ENSG00000165714	12	LOH12CR1	12510013	rs66487618	12	12618809	T	C	0.119284	-0.0200299	0.0135513	0.139387	-0.53449	0.0852282	3.58E-10	0.0374748	0.0260484	0.1502466	0.9500988	4	0.69025848
ENSG00000182993	12	C12orf60	14956506	rs2075268	12	14956476	G	A	0.588469	0.00341577	0.00811305	0.673739	-0.797347	0.0855857	1.20E-20	-0.0042839	0.0101854	0.6740527	0.7080867	18	0.93446142
ENSG00000121350	12	PYROXD1	21590549	rs3825287	12	21614903	G	A	0.44831	0.00821258	0.00810403	0.310872	-0.428525	0.0490663	2.47E-18	-0.0191648	0.0190383	0.3141075	0.356624	20	0.81455426
ENSG00000255968	12	RP11-513G19.1	26471886	rs113607967	12	27001965	T	C	0.107356	-0.0031605	0.0181339	0.861641	1.14703	0.147197	6.57E-15	-0.0027554	0.0158134	0.8616752	0.1858373	10	0.9761713
ENSG00000123104	12	ITPR2	26490342	rs113607967	12	27001965	T	C	0.107356	-0.0031605	0.0181339	0.861641	1.20116	0.0931104	4.48E-38	-0.0026312	0.0150984	0.8616534	0.2773977	20	0.9761713
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.53165	0.129382	2.48E-32	-0.0088544	0.00887706	0.3185453	0.4665934	13	0.81748223
ENSG00000205693	12	MANSC4	27915671	rs9804898	12	27929357	A	G	0.60338	-0.0076965	0.00809834	0.34192	-0.454995	0.0690236	4.34E-11	0.0169155	0.0179828	0.3468829	0.4084705	8	0.83130183
ENSG00000123106	12	CCDC91	28286182	rs77350383	12	28397337	T	A	0.0467197	0.0442018	0.0447309	0.323068	0.67202	0.100284	2.07E-11	0.0657745	0.0672817	0.3282724	0.5619748	9	0.82470658
ENSG00000064763	12	FAR2	29302036	rs1038666	12	29085005	A	G	0.633201	0.00110702	0.00868092	0.898527	0.452653	0.0568068	1.61E-15	0.00244563	0.0191803	0.8985391	0.1615814	12	0.98098987
ENSG00000257176	12	RP11-996F15.2	29433351	rs10843390	12	29496991	T	C	0.284294	0.00615469	0.00887296	0.487905	1.03447	0.0905336	3.09E-30	0.00594961	0.00859309	0.4887043	0.8796823	20	0.8787671
ENSG00000133704	12	IPO8	30781922	rs10843834	12	30901112	T	C	0.232604	0.00721322	0.00910927	0.428446	-0.406141	0.064787	3.64E-10	-0.0177604	0.0226071	0.4320947	0.8896264	18	0.86250564
ENSG00000110888	12	CAPRIN2	30862486	rs12314492	12	30916549	T	C	0.0964215	-0.0183155	0.0168456	0.276921	-0.538532	0.0660471	3.53E-16	0.03401	0.0315575	0.2811596	0.8980593	12	0.79513447
ENSG00000110900	12	TSPAN11	31079362	rs33206	12	31061583	A	G	0.573559	-0.0141802	0.00811503	0.0805675	0.839393	0.0724596	4.95E-31	-0.0168934	0.0097771	0.0840146	0.55649	18	0.59548107
ENSG00000013573	12	DDX11	31226779	rs11051236	12	31230300	C	G	0.436382	-0.0109047	0.00815072	0.180935	-1.29932	0.0666162	1.00E-84	0.00839262	0.00628781	0.1819597	0.9829163	20	0.72018284
ENSG00000139146	12	FAM60A	31433518	rs34344203	12	31515509	C	T	0.183897	-0.0081817	0.0104273	0.432666	-0.533451	0.0895773	2.60E-09	0.0153372	0.0197158	0.4366184	0.3457352	3	0.86298249
ENSG00000174718	12	KIAA1551	32112304	rs56042964	12	32117189	T	C	0.11829	-0.0195738	0.0133238	0.141809	0.43983	0.0703078	3.96E-10	-0.0445031	0.0311172	0.1526657	0.7195086	4	0.69271049
ENSG00000018236	12	CNTN1	41086244	rs77325461	12	41297476	G	A	0.125249	-0.005607	0.0113117	0.620116	-0.452989	0.0503424	2.30E-19	0.0123778	0.0250091	0.6206469	0.9314836	18	0.91819892
ENSG00000134283	12	PPHLN1	42632249	rs17604653	12	42396802	C	A	0.192843	-0.0200551	0.0119145	0.0923273	-0.282163	0.0462572	1.06E-09	0.0710763	0.0438038	0.1046736	0.6687787	14	0.63826532
ENSG00000139168	12	ZCRB1	42705880	rs12425945	12	42698690	C	G	0.366799	0.0177331	0.00827655	0.0321477	0.3544	0.0632992	2.16E-08	0.050037	0.0250053	0.04538677	0.9766516	4	0.52721838
ENSG00000257225	12	RP11-328C8.4	42853168	rs11835257	12	42765249	C	T	0.166998	-0.0149967	0.0121881	0.218533	1.12173	0.0944396	1.54E-32	-0.0133693	0.0109236	0.2209943	0.2733754	20	0.75497764
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.636732	0.1018	3.98E-10	-0.0163673	0.0145029	0.259087	0.9639643	9	0.77529567
ENSG00000079337	12	RAPGEF3	48128455	rs12815462	12	48160252	A	G	0.168986	0.0031233	0.0116661	0.788911	0.492073	0.0696502	1.61E-12	0.00634723	0.0237251	0.7890593	0.09158626	16	0.96375538
ENSG00000061273	12	HDAC7	48176505	rs7973956	12	48220747	C	G	0.272366	0.00217564	0.00913115	0.811675	0.30898	0.055159	2.12E-08	0.00704136	0.0295793	0.811842	0.2081698	5	0.96881317
ENSG00000240399	12	RP1-228P16.1	48448596	rs11168371	12	48437686	A	G	0.224652	0.0438786	0.0115188	0.00013936	-0.988133	0.0970522	2.40E-24	-0.0444056	0.0124463	0.00036003	0.7343222	20	0.16441006
ENSG00000152556	12	PFKM	48498922	rs55854069	12	48768578	C	A	0.0854871	-0.001114	0.0141853	0.937402	-0.561574	0.0938313	2.16E-09	0.00198378	0.0252621	0.937408	0.7974832	9	0.98799916
ENSG00000187166	12	H1FNT	48722763	rs2732480	12	48736303	A	C	0.406561	-0.0158585	0.00830256	0.0561229	-0.638842	0.0671135	1.75E-21	0.0248238	0.0132553	0.061104	0.1995893	20	0.55267744
ENSG00000139620	12	KANSL2	49047184	rs4113946	12	49024020	C	T	0.26839	0.00200679	0.00867207	0.816998	0.577547	0.082211	2.14E-12	0.00347468	0.0150235	0.817095	0.4066597	13	0.96881317
ENSG00000167535	12	CACNB3	49207577	rs12369114	12	49212806	T	C	0.177932	0.00875778	0.0111435	0.43192	-0.436918	0.0624836	2.70E-12	-0.0200444	0.0256654	0.4348072	0.1949424	6	0.86298249
ENSG00000139537	12	CCDC65	49297893	rs11168800	12	49345657	T	C	0.409543	0.00147836	0.00825334	0.857842	-0.872318	0.094851	3.69E-20	-0.0016948	0.00946318	0.8578681	0.5974587	18	0.9761713
ENSG00000134285	12	FKBP11	49315301	rs2446999	12	49274072	A	G	0.507952	-0.0046805	0.00806879	0.561868	-0.553327	0.0642628	7.28E-18	0.00845874	0.0146154	0.5627535	0.3410596	18	0.89657901
ENSG00000258017	12	RP11-386G11.10	49521565	rs10783307	12	49529605	T	A	0.34493	-0.0085886	0.00818243	0.293883	-0.686245	0.0921874	9.77E-14	0.0125154	0.0120414	0.2986378	0.2277204	11	0.80667732
ENSG00000257464	12	RP11-161H23.8	49836207	rs10875958	12	49846208	G	A	0.801193	-0.0244318	0.00906528	0.00703672	0.615039	0.0803198	1.90E-14	-0.039724	0.0156256	0.01101474	0.01842646	20	0.35263947
ENSG00000161798	12	AQP5	50355653	rs3759129	12	50354437	C	A	0.177932	0.0161868	0.0113103	0.152385	-0.746083	0.0895234	7.82E-17	-0.0216957	0.0153815	0.1583895	0.8869453	6	0.6985639
ENSG00000272368	12	RP4-605O3.4	50505980	rs7532	12	50523964	C	T	0.600398	0.00118409	0.00832309	0.88687	-0.625219	0.081037	1.21E-14	-0.0018939	0.0133145	0.8868893	0.4923597	7	0.97855798
ENSG00000139624	12	CERS5	50523575	rs10783340	12	50559128	G	A	0.657058	0.00243786	0.00882312	0.782314	0.861604	0.0649633	3.80E-40	0.00282944	0.0102426	0.7823609	0.9769213	20	0.96342048
ENSG00000110925	12	CSRNP2	51454990	rs12820966	12	51488422	C	A	0.186879	-0.0011065	0.00992509	0.911235	0.481057	0.0704808	8.77E-12	-0.0023	0.0206346	0.9112474	0.8495287	16	0.98098987
ENSG00000063046	12	EIF4B	53399942	rs10876400	12	53436855	C	T	0.832008	0.0029062	0.00922811	0.752816	-0.322782	0.0547539	3.74E-09	-0.0090036	0.0286301	0.753156	0.4414072	7	0.95502521
ENSG00000111077	12	TENC1	53440753	rs11170385	12	53443278	G	T	0.607356	-0.0154707	0.0080803	0.0555418	0.785632	0.0677792	4.58E-31	-0.019692	0.0104245	0.05888885	0.3203487	13	0.55118985
ENSG00000135390	12	ATP5G2	54026510	rs3892761	12	54070445	T	A	0.299205	0.0138158	0.00944164	0.143391	0.586189	0.051185	2.29E-30	0.0235689	0.0162378	0.1466452	0.07553621	20	0.68835807
ENSG00000248265	12	RP11-834C11.3	54452038	rs1872632	12	54493664	G	A	0.468191	-0.0029955	0.00808789	0.711109	-0.505584	0.0883916	1.07E-08	0.00592483	0.0160306	0.7116846	0.3644154	3	0.94276983
ENSG00000123360	12	PDE1B	54943134	rs10876566	12	54952742	C	T	0.690855	-0.0126757	0.00845408	0.133779	0.517741	0.0935802	3.16E-08	-0.0244827	0.0169178	0.1478526	0.01325412	3	0.68835807
ENSG00000135437	12	RDH5	56114151	rs3138142	12	56115585	T	C	0.189861	-0.0017793	0.0108599	0.869855	-0.531234	0.0603288	1.30E-18	0.00334939	0.0204463	0.8698777	0.5311137	5	0.9761713
ENSG00000139531	12	SUOX	56390964	rs10876864	12	56401085	A	G	0.591451	-0.0202772	0.00816879	0.0130545	0.563594	0.0666273	2.70E-17	-0.0359784	0.0151053	0.01722637	0.8049237	14	0.38773182
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.11516	0.0588557	4.64E-80	0.0179256	0.00738201	0.01517065	0.3960331	20	0.374514
ENSG00000257303	12	RP11-977G19.11	56693926	rs2066818	12	56753822	A	C	0.0636183	-0.0053403	0.0177429	0.763428	-0.723746	0.126578	1.08E-08	0.00737871	0.0245493	0.7637449	0.9580383	3	0.95713352
ENSG00000170581	12	STAT2	56735381	rs11575234	12	56744276	G	C	0.0685885	-0.005343	0.0177168	0.762974	0.509588	0.0742161	6.59E-12	-0.0104849	0.0348004	0.763196	0.9479781	6	0.95713352
ENSG00000076067	12	RBMS2	56915713	rs7975238	12	56922990	G	A	0.487078	0.00166495	0.00807724	0.836691	-0.403309	0.0599834	1.77E-11	-0.0041282	0.0200368	0.8367661	0.2359427	10	0.97361371
ENSG00000139547	12	RDH16	57345219	rs3803018	12	57394123	A	C	0.107356	0.00270492	0.0135203	0.84143	-0.721053	0.127009	1.37E-08	-0.0037514	0.0187624	0.8415279	0.232579	4	0.97376482
ENSG00000166881	12	TMEM194A	57449426	rs796476	12	56705897	C	A	0.95328	-0.0334149	0.0223317	0.134576	-0.589909	0.101473	6.12E-09	0.0566442	0.03909	0.1473181	0.960282	9	0.68835807
ENSG00000123329	12	ARHGAP9	57866038	rs2277315	12	57869582	C	T	0.672962	0.0328605	0.00817264	5.80E-05	0.364774	0.0665323	4.19E-08	0.0900845	0.0277838	0.00118553	0.4270949	6	0.17322719
ENSG00000123427	12	METTL21B	58165275	rs11172351	12	58213485	T	C	0.319085	-0.022364	0.00849209	0.00845065	0.873273	0.0676634	4.16E-38	-0.0256094	0.00992482	0.00987034	0.07015813	20	0.34446388
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.615474	0.0680566	1.52E-19	0.0481309	0.0149198	0.00125541	0.4859129	20	0.17322719
ENSG00000257159	12	RP11-58A17.3	58360841	rs10122	12	58350631	T	C	0.366799	-0.0265758	0.00839242	0.00154209	0.791473	0.12055	5.19E-11	-0.0335776	0.0117725	0.0043415	0.2774104	5	0.27554195
ENSG00000118596	12	SLC16A7	59989848	rs4760294	12	59987651	G	T	0.812127	-0.0105506	0.0101182	0.297073	-0.322155	0.0519035	5.41E-10	0.0327501	0.031848	0.3037973	0.6924136	7	0.80750206
ENSG00000237176	12	RP11-813P10.2	60205883	rs17650311	12	60175605	T	C	0.285288	-0.0262821	0.00967155	0.0065784	0.759937	0.123863	8.50E-10	-0.0345846	0.0139193	0.01296786	0.00097958	9	0.37299146
ENSG00000177990	12	DPY19L2	63952693	rs7957467	12	64063442	A	C	0.197813	-0.001212	0.0100533	0.904044	-0.847701	0.080415	5.56E-26	0.00142971	0.0118603	0.9040502	0.8231378	15	0.98098987
ENSG00000255693	12	RP11-766N7.3	65277174	rs3741742	12	65273036	T	C	0.481113	-9.35E-05	0.00812232	0.990815	-0.492673	0.0828304	2.71E-09	0.00018979	0.0164863	0.9908149	0.9340973	11	0.99856501
ENSG00000155957	12	TMBIM4	66517709	rs1168735	12	66572219	G	T	0.420477	0.0125377	0.00807851	0.120666	-0.524621	0.0654811	1.13E-15	-0.0238986	0.015685	0.1275942	0.02111962	8	0.67079794
ENSG00000239335	12	RP11-745O10.2	66524531	rs11176038	12	66493435	C	T	0.432406	0.0142548	0.00805763	0.0768776	-1.17152	0.0896633	5.17E-39	-0.0121678	0.00694069	0.07958334	0.04030052	11	0.58446689
ENSG00000111581	12	NUP107	69080514	rs191151603	12	69080771	T	C	0.0328032	0.0290945	0.0255291	0.254429	-1.26166	0.161621	5.89E-15	-0.0230605	0.020449	0.2594442	0.8323284	13	0.77529567
ENSG00000127337	12	YEATS4	69753483	rs315121	12	69783937	C	T	0.0457256	-0.0439125	0.0306923	0.152506	0.859399	0.103738	1.19E-16	-0.0510968	0.0362424	0.1585804	0.6053162	14	0.6985639
ENSG00000127325	12	BEST3	70037140	rs775425	12	70086890	T	C	0.589463	0.00612253	0.00826851	0.459018	-0.39871	0.0579996	6.23E-12	-0.0153558	0.0208581	0.4616059	0.9970449	11	0.87178458
ENSG00000166268	12	MYRFL	70219084	rs4332561	12	70157582	T	C	0.0616302	0.00825455	0.0148537	0.5784	1.53306	0.142978	7.99E-27	0.00538436	0.00970193	0.5789093	0.2750833	20	0.9004891
ENSG00000257139	12	RP11-320P7.2	70574118	rs4567514	12	70631683	G	A	0.700795	0.00066337	0.00879717	0.939891	-0.984259	0.0935531	6.92E-26	-0.000674	0.00893809	0.9398924	0.856105	20	0.9880402
ENSG00000257302	12	FAHD2P1	71065698	rs7976576	12	71061406	C	T	0.249503	0.00406718	0.00978827	0.677765	-0.600229	0.0923616	8.10E-11	-0.0067761	0.0163409	0.6783843	0.4767538	6	0.93468019
ENSG00000253719	12	ATXN7L3B	74931551	rs2061579	12	74938255	G	A	0.224652	0.0226693	0.0116301	0.051272	-0.257784	0.0425379	1.36E-09	-0.0879391	0.047392	0.0635148	0.5189666	5	0.56029797
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-1.05033	0.0737191	4.63E-46	-0.0036159	0.00799867	0.6512227	0.2663626	20	0.92725626
ENSG00000257497	12	RP11-585P4.5	75877904	rs12422952	12	75881018	T	C	0.377734	0.00377662	0.00844166	0.654602	-0.658165	0.0695631	3.04E-21	-0.0057381	0.0128404	0.654962	0.3789868	20	0.92834527
ENSG00000111615	12	KRR1	75890684	rs17217158	12	75871264	G	A	0.229622	0.00610239	0.00980353	0.533633	0.607662	0.0583007	1.95E-25	0.0100424	0.0161619	0.5343618	0.505453	20	0.88710629
ENSG00000179941	12	BBS10	76738254	rs73140854	12	77069765	T	C	0.21173	-0.0089469	0.010544	0.396141	-0.229175	0.0387015	3.19E-09	0.0390397	0.0464785	0.4009352	0.4953714	7	0.84423725
ENSG00000257431	12	RP11-263K4.3	82906456	rs7971746	12	82876379	T	G	0.12326	-0.0183063	0.0159249	0.250336	1.07593	0.130521	1.67E-16	-0.0170144	0.0149443	0.2549023	0.6706735	13	0.77529567
ENSG00000270344	12	RP11-734K2.4	89919431	rs10777163	12	89830720	C	T	0.212724	-0.0114852	0.0114165	0.314406	-0.539358	0.0647437	8.04E-17	0.0212942	0.0213206	0.3179103	0.01475695	8	0.81748223
ENSG00000205056	12	RP11-693J15.5	92860227	rs337666	12	92840474	T	G	0.28827	-0.0065192	0.0095867	0.496486	0.381432	0.063006	1.41E-09	-0.0170915	0.0252915	0.4991806	0.8094824	3	0.88088085
ENSG00000136014	12	USP44	95910336	rs12371410	12	95962097	T	C	0.134195	0.012053	0.0139606	0.387941	0.64357	0.099813	1.14E-10	0.0187283	0.021886	0.3921521	0.9711018	3	0.84301004
ENSG00000238105	12	GOLGA2B	100550135	rs57062458	12	100500818	T	C	0.0695825	-0.0047167	0.0189072	0.803001	1.0935	0.15397	1.23E-12	-0.0043134	0.0173012	0.8031202	0.5562007	20	0.96614993
ENSG00000266610	12	RN7SL176P	100552275	rs11110266	12	100557345	T	C	0.0984095	0.00586804	0.0159364	0.712712	0.95079	0.169072	1.87E-08	0.00617175	0.0167971	0.7132988	0.4496484	7	0.94293499
ENSG00000120805	12	ARL1	101786898	rs12810430	12	101758718	G	C	0.105368	0.0108595	0.015057	0.470772	0.400271	0.0529487	4.04E-14	0.0271304	0.0377878	0.4727783	0.2648886	12	0.87541091
ENSG00000111666	12	CHPT1	102090725	rs2559850	12	102093459	A	G	0.610338	0.0215996	0.00821647	0.00856821	0.469671	0.0628092	7.56E-14	0.0459888	0.0185437	0.01313718	0.00796869	10	0.37299146
ENSG00000139351	12	SYCP3	102122426	rs75001229	12	102137156	G	A	0.128231	0.00187404	0.0127119	0.882797	0.696907	0.115332	1.52E-09	0.00268908	0.0182459	0.8828319	0.5934289	8	0.97689669
ENSG00000120860	12	CCDC53	102406705	rs3751129	12	102455729	A	G	0.215706	-0.0130656	0.00874751	0.135272	-0.310365	0.051438	1.60E-09	0.0420975	0.0290353	0.1470938	0.3590789	10	0.68835807
ENSG00000171759	12	PAH	103230663	rs10778209	12	103283972	G	A	0.745527	-0.0119101	0.0089703	0.184268	-0.559393	0.0943495	3.05E-09	0.0212911	0.0164329	0.1951009	0.8736041	3	0.73283546
ENSG00000257681	12	RP11-341G23.4	104140093	rs2292682	12	104156520	T	C	0.26839	-0.004609	0.00908177	0.611802	1.00194	0.0906395	2.09E-28	-0.0046001	0.00907373	0.6121778	0.8819355	20	0.9147172
ENSG00000171310	12	CHST11	104849073	rs1922261	12	104854011	A	G	0.761431	-0.0057052	0.00872251	0.513059	1.30704	0.0927692	4.43E-45	-0.004365	0.00668067	0.5135122	0.6783847	10	0.88570698
ENSG00000136010	12	ALDH1L2	105413568	rs4964346	12	105654362	A	G	0.54672	0.00646084	0.00814867	0.427853	-0.29333	0.0478379	8.69E-10	-0.0220258	0.0280111	0.4316776	0.4147984	12	0.86250564
ENSG00000257999	12	RP11-61E11.2	105496250	rs1196763	12	105607685	T	C	0.745527	-0.0036781	0.00918231	0.688744	-0.639569	0.113101	1.56E-08	0.00575084	0.014393	0.689482	0.7388553	7	0.93664429
ENSG00000136051	12	KIAA1033	105501102	rs1196845	12	105499040	A	G	0.66004	-0.0055597	0.00845928	0.511033	-0.333598	0.0451776	1.53E-13	0.0166658	0.025458	0.5126984	0.5502057	20	0.88570698
ENSG00000136044	12	APPL2	105567074	rs2440706	12	105616245	T	C	0.661034	-0.0052143	0.00841247	0.53537	-0.628626	0.0579496	2.04E-27	0.00829476	0.0134041	0.5360346	0.5764383	20	0.88710629
ENSG00000257890	12	RP11-114F10.2	106444739	rs10861553	12	106452814	T	G	0.519881	0.0162171	0.00806308	0.0442966	-0.566536	0.103759	4.76E-08	-0.028625	0.0151671	0.05911901	0.01992448	3	0.55118985
ENSG00000074590	12	NUAK1	106457118	rs880298	12	106443134	T	C	0.535785	0.0106095	0.00809715	0.190101	0.429053	0.0666907	1.25E-10	0.0247277	0.0192596	0.1991706	0.02124921	6	0.73394554
ENSG00000257398	12	RP11-554D14.6	108233068	rs7311985	12	108236335	T	C	0.530815	-0.0021377	0.00807754	0.791283	-0.540355	0.0903241	2.20E-09	0.00395607	0.0149632	0.7914822	0.6353585	6	0.96375538
ENSG00000174600	12	CMKLR1	108681821	rs76274813	12	108717477	A	G	0.0218688	-0.05459	0.0279688	0.0509589	1.67662	0.238231	1.95E-12	-0.0325596	0.0173113	0.05999551	0.911132	5	0.55267744
ENSG00000076555	12	ACACB	109554400	rs11065625	12	109562723	G	A	0.208748	-0.0084248	0.00918478	0.35901	-0.301526	0.0549557	4.09E-08	0.0279404	0.0308837	0.3656254	0.9356946	3	0.83426107
ENSG00000139428	12	MMAB	109991542	rs10850413	12	110021453	A	G	0.284294	0.024871	0.00875866	0.00451721	-0.414041	0.0658508	3.22E-10	-0.0600689	0.0232114	0.00965597	0.08271114	9	0.34446388
ENSG00000139433	12	GLTP	110288748	rs12425368	12	110276712	A	C	0.535785	0.00646802	0.00813688	0.426671	-0.267029	0.0454032	4.07E-09	-0.0242222	0.030749	0.4308493	0.07666218	14	0.86250564
ENSG00000196510	12	ANAPC7	110810705	rs151077602	12	110856124	T	C	0.0675944	0.0294259	0.015212	0.0530652	0.48915	0.0870203	1.90E-08	0.0601572	0.0328888	0.06738304	0.7315761	7	0.56120414
ENSG00000111300	12	NAA25	112464500	rs12423190	12	112909340	C	T	0.082505	-0.0140229	0.0129879	0.280281	0.785705	0.085139	2.74E-20	-0.0178475	0.016643	0.2835515	0.03004622	18	0.79513447
ENSG00000139405	12	C12orf52	113623331	rs2303618	12	113710704	C	T	0.0954274	0.0069352	0.0110691	0.530961	-0.706071	0.107374	4.84E-11	-0.0098222	0.015748	0.5328166	0.960784	11	0.88710629
ENSG00000122965	12	RBM19	114254543	rs7970186	12	114256137	C	T	0.383698	-0.0117403	0.00838039	0.161236	0.684122	0.0868962	3.47E-15	-0.0171611	0.0124423	0.1678149	0.809046	5	0.7037325
ENSG00000196668	12	LINC00173	116971227	rs7961538	12	116983855	T	C	0.0586481	-0.0123264	0.0191151	0.519023	-0.859912	0.107458	1.22E-15	0.0143345	0.0223012	0.5203747	0.4739047	6	0.88693216
ENSG00000176834	12	VSIG10	118501398	rs6490170	12	118569822	T	C	0.271372	0.00946016	0.00924766	0.306318	-0.478977	0.0707897	1.32E-11	-0.0197508	0.0195265	0.311785	0.234044	5	0.81381843
ENSG00000089220	12	PEBP1	118573663	rs168497	12	118678362	G	C	0.681909	0.0185894	0.00866624	0.0319499	-0.355011	0.048674	3.02E-13	-0.0523629	0.025445	0.03960112	0.00390732	10	0.50714184
ENSG00000135127	12	CCDC64	120427673	rs76353928	12	120497894	G	T	0.104374	0.00305863	0.0132283	0.817145	0.61595	0.0847139	3.57E-13	0.00496571	0.0214871	0.8172357	0.4482811	5	0.96881317
ENSG00000089154	12	GCN1L1	120565007	rs6490286	12	120606163	C	T	0.765408	0.0167595	0.00961365	0.0812812	0.339648	0.0469756	4.82E-13	0.0493437	0.0291159	0.09012529	0.7993643	9	0.61046849
ENSG00000257218	12	GATC	120884241	rs566124	12	120902279	C	T	0.369781	0.00971881	0.00833552	0.243634	0.587626	0.0790565	1.06E-13	0.0165391	0.0143585	0.2493761	0.09759805	15	0.77306764
ENSG00000110871	12	COQ5	120941077	rs516479	12	121006301	C	T	0.27833	-0.00126	0.00863904	0.884043	0.471062	0.0551872	1.39E-17	-0.0026747	0.0183422	0.8840606	0.06202697	10	0.97689669
ENSG00000167272	12	POP5	121016567	rs680795	12	120906034	G	C	0.648111	0.0100653	0.00871923	0.248346	0.302139	0.0463518	7.11E-11	0.0333135	0.0293074	0.255667	0.00755387	6	0.77529567
ENSG00000122971	12	ACADS	121163538	rs695949	12	121149736	G	A	0.455268	0.00973144	0.00814599	0.232232	0.480788	0.0510523	4.62E-21	0.0202406	0.0170788	0.2359651	0.05000051	20	0.76086855
ENSG00000157837	12	SPPL3	121200313	rs34009825	12	121326183	G	A	0.478131	0.0259285	0.00808982	0.00135027	-0.353596	0.0509466	3.91E-12	-0.073328	0.0252004	0.00361661	0.8690583	9	0.27554195
ENSG00000089041	12	P2RX7	121570622	rs208311	12	121604314	G	A	0.285288	0.00864173	0.00899597	0.336742	0.397371	0.0599609	3.42E-11	0.0217473	0.0228753	0.3417634	0.7958148	8	0.82819565
ENSG00000135124	12	P2RX4	121647660	rs28360467	12	121648132	T	G	0.0924453	-0.0077819	0.012544	0.535015	-0.904758	0.137514	4.72E-11	0.00860108	0.013926	0.53682	0.531475	5	0.88710629
ENSG00000089053	12	ANAPC5	121746048	rs1799525	12	121789927	A	C	0.648111	-3.81E-05	0.00898321	0.99662	0.351209	0.0499484	2.04E-12	-0.0001083	0.025578	0.9966202	0.7252773	3	0.99876374
ENSG00000139714	12	MORN3	122089024	rs6486790	12	122072482	G	A	0.190855	0.00084496	0.0112374	0.940062	0.702123	0.0967813	4.02E-13	0.00120343	0.0160057	0.9400654	0.5412143	9	0.9880402
ENSG00000212694	12	AC084018.1	122233173	rs1667578	12	122238380	G	T	0.823062	0.00643443	0.0100774	0.523147	0.251933	0.0421253	2.22E-09	0.0255402	0.0402276	0.5254983	0.1022903	4	0.88710629
ENSG00000272849	12	RP11-347I19.8	122235417	rs1667578	12	122238380	G	T	0.823062	0.00643443	0.0100774	0.523147	0.404654	0.0594483	9.98E-12	0.0159011	0.0250131	0.5249653	0.1576926	5	0.88695061
ENSG00000158023	12	WDR66	122355768	rs7954584	12	122461566	A	G	0.533797	-0.0042255	0.00814254	0.603805	-0.443585	0.0704336	3.02E-10	0.00952571	0.0184184	0.605028	0.1161107	20	0.91287911
ENSG00000139719	12	VPS33A	122714111	rs907485	12	122765554	A	G	0.0586481	0.0441935	0.0223586	0.0480895	1.10992	0.155537	9.61E-13	0.0398168	0.0209028	0.05679871	0.5477015	12	0.5488752
ENSG00000090975	12	PITPNM2	123468027	rs1727293	12	123648032	T	C	0.688867	0.0197169	0.00917875	0.0317059	0.444232	0.0656983	1.36E-11	0.0443842	0.0216797	0.04063108	0.01872226	17	0.51210082
ENSG00000235423	12	RP11-282O18.3	123736577	rs940904	12	123491572	A	G	0.734592	0.0197448	0.00977288	0.0433451	0.549464	0.0796881	5.38E-12	0.0359347	0.018534	0.05251966	0.1030652	20	0.54056882
ENSG00000256092	12	hsa-mir-8072	123848415	rs112223429	12	123849523	T	C	0.0357853	-0.0140809	0.0173372	0.416689	1.2712	0.230627	3.55E-08	-0.0110769	0.0137857	0.4216843	0.07008832	3	0.85757588
ENSG00000111364	12	DDX55	124086624	rs11057306	12	124097766	G	A	0.115308	0.0188477	0.01415	0.182861	-0.839076	0.0861079	1.95E-22	-0.0224624	0.0170206	0.1869283	0.8887326	20	0.72629627
ENSG00000168778	12	TCTN2	124155660	rs12813758	12	124201294	T	C	0.359841	0.00577816	0.00878922	0.510915	0.335352	0.0553869	1.41E-09	0.0172301	0.026363	0.5133869	0.547339	9	0.88570698
ENSG00000081760	12	AACS	125549925	rs12581512	12	125622262	A	G	0.357853	0.0124707	0.00814682	0.125832	0.523204	0.0797715	5.42E-11	0.0238353	0.0159895	0.1360445	0.08665856	20	0.67495201
ENSG00000139364	12	TMEM132B	125671382	rs1029075	12	125636085	C	G	0.374751	0.00298548	0.00810584	0.71264	0.627694	0.0801784	4.93E-15	0.00475627	0.012928	0.7129438	0.1374918	20	0.94276983
ENSG00000111450	12	STX2	131274145	rs7308374	12	131338302	A	C	0.106362	0.0144432	0.0138576	0.297293	-0.669703	0.114104	4.38E-09	-0.0215666	0.0210159	0.3047956	0.5959411	5	0.80750206
ENSG00000256250	12	RP11-989F5.1	131295151	rs10773824	12	131298851	A	G	0.658052	-0.001019	0.0087488	0.907276	-0.775482	0.0978925	2.34E-15	0.00131405	0.011283	0.9072858	0.8859073	5	0.98098987
ENSG00000177169	12	ULK1	132379196	rs7487262	12	132336900	A	G	0.668986	-0.0100881	0.00820451	0.218854	-0.333728	0.0504866	3.84E-11	0.0302285	0.0250061	0.2267226	0.2563332	3	0.75779347
ENSG00000185684	12	EP400NL	132568828	rs61942869	12	132593606	A	G	0.136183	0.0132556	0.00959571	0.167154	-0.666533	0.0798261	6.84E-17	-0.0198874	0.0145921	0.1729193	0.07356227	9	0.71004558
ENSG00000185163	12	DDX51	132621139	rs12303787	12	132604906	C	T	0.180915	0.0109018	0.00908993	0.230399	-0.468333	0.0650156	5.87E-13	-0.0232779	0.0196763	0.2367925	0.07524923	16	0.76116625
ENSG00000256576	12	RP13-977J11.2	132671287	rs7310028	12	132678582	G	C	0.506958	0.01202	0.00812964	0.139263	0.529212	0.0762563	3.92E-12	0.022713	0.0157065	0.1481532	0.7929177	10	0.68835807
ENSG00000182870	12	GALNT9	132680924	rs113526075	12	132691839	T	C	0.0357853	-0.0025267	0.0288357	0.930175	0.913681	0.15333	2.54E-09	-0.0027654	0.0315633	0.9301822	0.3261032	3	0.98455434
ENSG00000177084	12	POLE	133200348	rs5744839	12	133239844	A	G	0.565606	0.0128516	0.00814456	0.114579	-1.06797	0.0591038	5.55E-73	-0.0120337	0.00765523	0.1159612	0.2138195	20	0.65779296
ENSG00000176915	12	ANKLE2	133302254	rs3924363	12	133325352	G	A	0.473161	-0.0102718	0.00808174	0.203733	0.312898	0.0537666	5.90E-09	-0.0328279	0.0264375	0.21434	0.3448461	8	0.74800164
ENSG00000072609	12	CHFR	133398773	rs75233493	12	133423005	T	C	0.563618	-0.0032012	0.00813729	0.694025	-0.397203	0.0501507	2.37E-15	0.00805938	0.0205117	0.6943818	0.2982656	20	0.93862719
ENSG00000196458	12	ZNF605	133498019	rs115680663	12	133525343	T	C	0.2167	0.00695026	0.00998968	0.486589	0.482958	0.0647029	8.38E-14	0.014391	0.020774	0.488472	0.3542695	12	0.87873497
ENSG00000090612	12	ZNF268	133707570	rs141289920	12	133812415	T	C	0.753479	-0.004335	0.00950807	0.648443	0.501722	0.0659945	2.91E-14	-0.0086402	0.0189849	0.6490318	0.9356073	20	0.92641321
ENSG00000132958	13	TPTE2	19997017	rs11617652	13	20238634	A	G	0.125249	0.0206534	0.0196383	0.292944	-0.56658	0.103734	4.71E-08	-0.0364528	0.0352978	0.3017352	0.2625871	13	0.80750206
ENSG00000032742	13	IFT88	21140585	rs59623988	13	21253993	A	G	0.175944	0.0226706	0.0119268	0.0573271	0.454922	0.0746793	1.12E-09	0.049834	0.0274639	0.06959664	0.5493846	8	0.56143116
ENSG00000238286	13	SLC35E1P1	21181407	rs9509283	13	21140312	G	A	0.867793	-0.0276211	0.0122785	0.0244777	-0.847686	0.129372	5.67E-11	0.0325841	0.0153146	0.03336623	0.9697641	12	0.48597966
ENSG00000150457	13	LATS2	21547171	rs7333994	13	21641905	A	G	0.611332	0.00446142	0.00842955	0.596626	0.673017	0.0844193	1.56E-15	0.00662899	0.0125526	0.5974319	0.4970096	20	0.90850217
ENSG00000151835	13	SACS	23902965	rs67275472	13	23951300	A	G	0.180915	0.00602417	0.0109757	0.583099	-0.748252	0.0977957	1.99E-14	-0.008051	0.0147061	0.5840645	0.7241427	12	0.90218482
ENSG00000027001	13	MIPEP	24304328	rs75783226	13	24452804	A	G	0.133201	-0.0234856	0.0139463	0.0921807	1.17138	0.116526	8.95E-24	-0.0200495	0.0120718	0.09674175	0.8157417	13	0.63011258
ENSG00000151849	13	CENPJ	25457171	rs2483398	13	25560752	C	T	0.414513	0.00848752	0.00873418	0.331171	-0.686637	0.0729164	4.65E-21	-0.012361	0.0127878	0.333731	0.9229982	20	0.82540122
ENSG00000253771	13	TPTE2P1	25498815	rs2497586	13	25560888	C	T	0.621272	0.00196061	0.00835291	0.814424	-0.415236	0.0653525	2.10E-10	-0.0047217	0.0201298	0.8145489	0.8659856	7	0.96881317
ENSG00000139505	13	MTMR6	25802307	rs9511741	13	25860201	A	C	0.05666	0.00989948	0.017187	0.564624	0.504924	0.0861013	4.51E-09	0.0196059	0.0342026	0.5664902	0.704529	6	0.89662072
ENSG00000132970	13	WASF3	27131840	rs41386748	13	27213565	T	C	0.213718	-0.0176291	0.00949173	0.0632674	-0.397024	0.0572522	4.07E-12	0.0444031	0.0247498	0.07280067	0.5743186	19	0.56880371

ENSG00000132975	13	GPR12	27329341	rs1887595	13	27341212	C	G	0.698807	0.0264423	0.00872985	0.00245403	0.460216	0.0627842	2.30E-13	0.0574563	0.0205247	0.00512025	0.01481601	19	0.27554195
ENSG00000139517	13	LNX2	28120050	rs79210301	13	28206542	G	A	0.0715706	-0.0200484	0.0165435	0.225567	1.26243	0.159048	2.06E-15	-0.0158808	0.0132563	0.2309257	0.4786428	4	0.75949721
ENSG00000186184	13	POLR1D	28194903	rs79210301	13	28206542	G	A	0.0715706	-0.0200484	0.0165435	0.225567	1.1802	0.142541	1.23E-16	-0.0169873	0.0141669	0.2304953	0.4930009	6	0.75869055
ENSG00000165556	13	CDX2	28536274	rs9512957	13	28564626	A	G	0.521869	-0.0038459	0.00809491	0.634715	0.524359	0.0870516	1.71E-09	-0.0073345	0.0154857	0.6357637	0.162055	3	0.92237337
ENSG00000183463	13	URAD	28551851	rs9512957	13	28564626	A	G	0.521869	-0.0038459	0.00809491	0.634715	0.694322	0.0816746	1.88E-17	-0.0055391	0.0116769	0.6352426	0.5771905	15	0.92237337
ENSG00000122025	13	FLT3	28577411	rs79566936	13	28601994	A	G	0.190855	0.0170128	0.0109342	0.119728	1.1781	0.0791685	4.38E-50	0.0144409	0.00933181	0.1217453	0.7851474	14	0.66559302
ENSG00000139508	13	SLC46A3	29274201	rs1771162	13	29274654	C	G	0.532803	0.0160633	0.00818125	0.0495975	0.539234	0.0578059	1.08E-20	0.0297891	0.0155044	0.05469003	0.5954402	20	0.54765098
ENSG00000102781	13	KATNAL1	30776767	rs9508700	13	30885161	T	C	0.44334	0.00542667	0.00812216	0.504049	-0.353101	0.0492523	7.54E-13	-0.0153686	0.023102	0.5058914	0.0273838	3	0.88300558
ENSG00000120669	13	SOHLH2	36742345	rs978746	13	36820438	G	A	0.444334	0.0180867	0.00840823	0.031471	0.594033	0.0777577	2.18E-14	0.0304473	0.0147049	0.03840018	0.6051144	19	0.50417602
ENSG00000120699	13	EXOSC8	37572953	rs9547712	13	37554376	G	T	0.894632	0.00257374	0.0127705	0.840277	0.356715	0.0557246	1.54E-10	0.00721512	0.035818	0.840356	0.5715783	11	0.97376482
ENSG00000150893	13	FREM2	39261266	rs9548450	13	39346192	A	T	0.379722	-0.011732	0.00820447	0.15273	-0.462378	0.0657994	2.11E-12	0.0253732	0.0181077	0.1611439	0.02694587	3	0.69993711
ENSG00000150907	13	FOXO1	41129804	rs966968	13	41248037	C	T	0.303181	-0.0162032	0.00861726	0.0600648	-0.363465	0.0643548	1.62E-08	0.0445798	0.0249881	0.07441644	0.9235743	11	0.57064283
ENSG00000168852	13	TPTE2P5	41396432	rs7982421	13	41446912	C	T	0.715706	-0.0078084	0.00874635	0.371984	0.648093	0.0855725	3.63E-14	-0.0120483	0.013589	0.3752804	0.2982921	20	0.83735401
ENSG00000176268	13	CYCSP34	41437735	rs9525401	13	41432110	C	T	0.71173	-0.0079759	0.0087489	0.361953	0.910736	0.0978277	1.28E-20	-0.0087577	0.00965236	0.3642425	0.4733676	20	0.83426107
ENSG00000239827	13	SUGT1P3	41482295	rs4600337	13	41453700	A	C	0.71173	-0.0078107	0.00874625	0.371836	-0.730085	0.10763	1.17E-11	0.0106984	0.0120831	0.3759417	0.3025508	12	0.83735401
ENSG00000120662	13	MTRF1	41790505	rs9532781	13	41885850	T	G	0.720676	0.0156979	0.00994102	0.114313	0.486545	0.066562	2.68E-13	0.032264	0.0209032	0.1227101	0.4324579	8	0.66693102
ENSG00000023516	13	AKAP11	42846289	rs9594731	13	42911955	T	A	0.234592	0.00765824	0.0088337	0.385978	-0.486157	0.0430753	1.54E-29	-0.0157526	0.018224	0.3873746	0.7461785	20	0.84215444
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-1.25362	0.0825341	4.17E-52	-0.0011623	0.00761426	0.8786779	0.08688778	20	0.97689669
ENSG00000151773	13	CCDC122	44398045	rs12866387	13	44391936	T	C	0.534791	0.00534701	0.00817103	0.512863	0.647962	0.0812962	1.58E-15	0.00825204	0.0126528	0.5142774	0.1817239	10	0.88616468
ENSG00000179630	13	LACC1	44453420	rs1813293	13	44394588	T	C	0.21173	-0.0128312	0.00959544	0.181152	-0.582828	0.0964996	1.54E-09	0.0220154	0.0168623	0.1916883	0.4497555	7	0.72914054
ENSG00000227258	13	SMIM2-AS1	44716682	rs66786230	13	44711625	C	T	0.149105	0.00035869	0.0122742	0.976687	1.31325	0.138118	1.94E-21	0.00027313	0.00934648	0.9766867	0.4897884	16	0.99269132
ENSG00000235903	13	CPB2-AS1	46626941	rs56088819	13	46685361	C	T	0.262425	0.00186818	0.00896576	0.834942	1.17469	0.0982841	6.34E-33	0.00159036	0.00763361	0.8349661	0.1065005	20	0.97330482
ENSG00000231817	13	RP11-189B4.6	47029270	rs57108317	13	47032328	C	T	0.199801	0.00614078	0.00941275	0.51415	1.23939	0.118894	1.92E-25	0.00495468	0.00760952	0.5149718	0.8236856	12	0.88647791
ENSG00000260388	13	LINC00562	48504290	rs7326381	13	48696214	G	A	0.94334	-0.0096035	0.0149524	0.520696	0.766057	0.135811	1.69E-08	-0.0125363	0.0196448	0.5233766	0.9762518	4	0.88695061
ENSG00000136159	13	NUDT15	48611703	rs7999270	13	48701059	C	G	0.941352	-0.0092647	0.0136399	0.496988	-0.623702	0.106789	5.20E-09	0.0148544	0.0220167	0.4998732	0.9959273	8	0.88088085
ENSG00000136146	13	MED4	48627459	rs7326381	13	48696214	G	A	0.94334	-0.0096035	0.0149524	0.520696	0.460416	0.0730949	3.00E-10	-0.0208584	0.0326442	0.5228491	0.995332	16	0.88693216
ENSG00000102543	13	CDADC1	49822047	rs9535181	13	49839548	C	T	0.309145	-0.0071914	0.00867627	0.407185	-0.711091	0.0792137	2.79E-19	0.0101132	0.0122532	0.4091742	0.02126141	16	0.85000195
ENSG00000102547	13	CAB39L	49882786	rs7990940	13	49943607	C	T	0.749503	-0.0239538	0.00885758	0.00684416	-0.481004	0.0756424	2.03E-10	0.0497996	0.0200109	0.01282382	0.8352923	8	0.37299146
ENSG00000123179	13	EBPL	50234859	rs9568308	13	50265238	T	C	0.0735586	0.00708956	0.0140422	0.613646	-1.27649	0.128823	3.81E-23	-0.005554	0.0110149	0.6141059	0.6151034	20	0.9147172
ENSG00000123178	13	SPRYD7	50486842	rs9670083	13	50510199	C	A	0.171968	-0.0121504	0.0100738	0.227761	-0.434572	0.0653527	2.94E-11	0.0279595	0.0235592	0.2353167	0.1195052	15	0.76051447
ENSG00000204977	13	TRIM13	50570024	rs790944	13	50644481	A	C	0.841948	0.0130703	0.0108781	0.229548	-0.450073	0.0717418	3.53E-10	-0.0290404	0.0246089	0.2379701	0.7874483	8	0.76262019
ENSG00000186047	13	DLEU7	51285144	rs9316507	13	51413952	C	A	0.197813	-0.0179545	0.00967228	0.0634132	-0.550483	0.0940091	4.75E-09	0.0326159	0.0184323	0.07681046	0.6502207	7	0.57650049
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs9526708	13	51500691	A	G	0.318091	-0.0057386	0.00866177	0.507637	-1.20156	0.0920301	5.86E-39	0.00477597	0.00721805	0.5081818	0.4269962	20	0.88300558
ENSG00000136104	13	RNASEH2B	51483814	rs61962202	13	51539698	C	T	0.0258449	0.00136859	0.0234842	0.953528	-1.40576	0.252339	2.53E-08	-0.0009736	0.0167066	0.9535305	0.9125413	3	0.98968811
ENSG00000150510	13	FAM124A	51796503	rs7337236	13	51820344	T	C	0.617296	-0.0024311	0.00841528	0.772663	0.395354	0.065244	1.36E-09	-0.0061493	0.0213096	0.7729128	0.5114323	10	0.96069052
ENSG00000139668	13	WDFY2	52158644	rs9535739	13	52283300	T	C	0.170974	-0.0223183	0.0100968	0.0270745	0.512164	0.0820527	4.32E-10	-0.0435765	0.0209136	0.037193	0.617151	4	0.50417602
ENSG00000102796	13	DHRS12	52342129	rs10676	13	52343391	T	C	0.0596421	0.0271809	0.0147166	0.064753	-0.440235	0.0733111	1.91E-09	-0.0617418	0.0349744	0.07750622	0.1698976	8	0.57866171
ENSG00000123191	13	ATP7B	52506809	rs73184342	13	52613337	A	G	0.122266	-0.0045436	0.0122566	0.710853	-0.716557	0.101452	1.63E-12	0.00634093	0.0171284	0.7112334	0.1640575	9	0.94276983
ENSG00000136108	13	CKAP2	53029564	rs11618716	13	53046836	T	C	0.595427	-0.0045333	0.00814072	0.577614	-0.715437	0.0573961	1.16E-35	0.00633646	0.01139	0.577994	0.01033524	20	0.9004891
ENSG00000139675	13	HNRNPA1L2	53191605	rs61958133	13	53181503	G	A	0.45328	-0.0014845	0.00814503	0.855385	-0.478088	0.0577678	1.27E-16	0.00310497	0.0170408	0.8554194	0.08631764	20	0.9761713
ENSG00000230223	13	ATXN8OS	70681345	rs1328604	13	70677283	C	T	0.27833	-0.0026825	0.010076	0.790065	0.659422	0.0866052	2.66E-14	-0.0040679	0.0152894	0.7901914	0.8179674	11	0.96375538
ENSG00000083535	13	PIBF1	73356197	rs9573071	13	73526335	A	G	0.267396	-0.0187646	0.00875701	0.0321285	-0.486806	0.0714916	9.81E-12	0.0385464	0.0188584	0.04095453	0.2020859	12	0.51210082
ENSG00000228444	13	RP11-173B14.4	76205407	rs11840945	13	76180791	C	T	0.537773	-0.0012207	0.00814617	0.880888	-0.362553	0.0575333	2.95E-10	0.00336682	0.0224753	0.8809216	0.8016524	5	0.97689669
ENSG00000139746	13	RBM26	79885962	rs9318627	13	79930079	C	A	0.393638	-0.0091882	0.0084785	0.278493	-0.303958	0.0528537	8.88E-09	0.0302287	0.0283846	0.2868909	0.4980367	11	0.79513447
ENSG00000227354	13	RBM26-AS1	79980444	rs7993295	13	79880201	A	C	0.914513	-0.0019777	0.0104271	0.849568	-1.28455	0.112026	1.94E-30	0.00153961	0.00811843	0.8495879	0.2875733	19	0.9761713
ENSG00000227676	13	LINC01068	80140881	rs2760102	13	80129328	C	T	0.412525	-0.0077512	0.00845899	0.359496	0.750015	0.0780757	7.52E-22	-0.0103347	0.0113296	0.3616713	0.4939711	20	0.83426107
ENSG00000229246	13	RP11-521J24.1	81617805	rs9593523	13	81621501	A	G	0.0437376	-0.0007216	0.0201301	0.971403	-1.121	0.133643	4.95E-17	0.00064375	0.0179574	0.9714032	0.1326877	20	0.99049771
ENSG00000184564	13	SLITRK6	86366925	rs9531771	13	85916526	A	G	0.5	0.00245347	0.00805662	0.760726	1.01129	0.078493	5.55E-38	0.00242608	0.0079689	0.7607901	0.06870723	20	0.95711719
ENSG00000165300	13	SLITRK5	88324870	rs78422887	13	87340195	G	A	0.0934394	-0.0087498	0.0180026	0.626947	0.700006	0.113008	5.85E-10	-0.0124996	0.0257968	0.6280035	0.06887806	5	0.91925859
ENSG00000080166	13	DCT	95089558	rs9561589	13	95163585	T	C	0.308151	-0.0153713	0.0083886	0.0668929	0.839557	0.0828175	3.77E-24	-0.0183088	0.0101536	0.07135951	0.7273621	8	0.56831836
ENSG00000102572	13	STK24	99102455	rs9517313	13	99105892	C	G	0.38171	0.0375757	0.00813445	3.85E-06	0.327352	0.0489394	2.25E-11	0.114787	0.0301989	0.0001441	0.09232538	6	0.11723299
ENSG00000260992	13	DOCK9-AS2	99740073	rs7319192	13	99711395	A	G	0.0904573	-0.01136	0.014467	0.432316	-0.556244	0.0917806	1.36E-09	0.0204227	0.0262258	0.4361409	0.995805	10	0.86298249
ENSG00000125247	13	TMTC4	101256181	rs9513775	13	101297826	G	C	0.34493	0.00125739	0.00903835	0.889358	0.252943	0.0454078	2.54E-08	0.00497104	0.0357439	0.8893918	0.7603658	5	0.97923901
ENSG00000102452	13	NALCN	101706130	rs16958936	13	102104943	A	G	0.39662	0.00084835	0.0081434	0.917029	-0.336811	0.052324	1.22E-10	-0.0025188	0.0241811	0.9170398	0.08006076	12	0.98098987
ENSG00000198542	13	ITGBL1	102104966	rs16958936	13	102104943	A	G	0.39662	0.00084835	0.0081434	0.917029	-0.729309	0.095669	2.47E-14	-0.0011632	0.011167	0.9170367	0.2245731	6	0.98098987
ENSG00000102466	13	FGF14	102372134	rs2152693	13	102939712	T	C	0.139165	-0.005614	0.0114724	0.624594	-0.486524	0.088727	4.17E-08	0.011539	0.0236741	0.6259657	0.5309297	5	0.91925859
ENSG00000139780	13	METTL21C	103338094	rs7981120	13	103346659	A	G	0.412525	-0.0013605	0.00806835	0.866093	0.534882	0.0764051	2.55E-12	-0.0025436	0.0150887	0.8661316	0.4503819	9	0.9761713
ENSG00000134897	13	BIVM	103451399	rs4743	13	103493825	G	C	0.476143	-0.0054449	0.00821484	0.507452	-0.30397	0.0340042	3.92E-19	0.0179126	0.0270994	0.508615	0.6250234	14	0.88300558
ENSG00000250878	13	METTL21EP	103532449	rs6491718	13	103536364	T	C	0.300199	-0.0015646	0.00842082	0.852598	-0.77912	0.0772659	6.53E-24	0.0020082	0.01081	0.8526225	0.3528078	20	0.9761713
ENSG00000272542	13	RP11-255P5.2	103541208	rs6491718	13	103536364	T	C	0.300199	-0.0015646	0.00842082	0.852598	-0.731241	0.0882677	1.19E-16	0.00213969	0.0115187	0.8526344	0.2756064	13	0.9761713
ENSG00000213995	13	CARKD	111267881	rs191322	13	111290364	A	C	0.171968	0.0120294	0.00992359	0.225435	0.510472	0.0727088	2.21E-12	0.0235652	0.0197277	0.2322715	0.7985432	8	0.76040779
ENSG00000225870	13	LINC00368	111748185	rs4773327	13	111766177	G	A	0.45825	-0.0048182	0.00813503	0.553666	-0.533704	0.0949084	1.87E-08	0.00902779	0.0153269	0.5558503	0.06479324	5	0.89575241
ENSG00000235875	13	ARHGEF7-AS2	111766159	rs4773327	13	111766177	G	A	0.45825	-0.0048182	0.00813503	0.553666	-0.712354	0.0935911	2.71E-14	0.00676373	0.0114544	0.5548626	0.00292255	10	0.89575241
ENSG00000102606	13	ARHGEF7	111766906	rs2296353	13	111933098	G	C	0.28827	-0.0291054	0.00844601	0.00056884	0.351765	0.0447995	4.10E-15	-0.082741	0.026221	0.00160207	0.6610307	12	0.17322719
ENSG00000126217	13	MCF2L	113548692	rs2316810	13	113592705	A	G	0.417495	-0.0031167	0.00810949	0.70074	-0.389341	0.0559856	3.54E-12	0.00800496	0.0208605	0.7011734	0.02214261	10	0.94116663
ENSG00000267868	13	RP11-120K24.3	113619149	rs2873372	13	113613383	C	T	0.285288	-0.0008731	0.00861471	0.919273	0.427506	0.0703683	1.24E-09	-0.0020423	0.0201539	0.9192841	0.7663554	6	0.9810485
ENSG00000235280	13	MCF2L-AS1	113621798	rs3011474	13	113617865	C	T	0.685885	0.00122835	0.00821859	0.881191	-0.685564	0.0827577	1.19E-16	-0.0017917	0.01199	0.8812099	0.2892385	14	0.97689669
ENSG00000126231	13	PROZ	113812968	rs2476326	13	113828412	T	C	0.796223	0.0114732	0.00952823	0.22854	0.690528	0.0850299	4.62E-16	0.0166151	0.0139493	0.2336123	0.8188101	9	0.76051447
ENSG00000150403	13	TMCO3	114145310	rs9577280	13	114212496	G	A	0.312127	0.0133524	0.00876046	0.127467	-0.682108	0.0860171	2.19E-15	-0.0195752	0.0130783	0.1344531	0.1498014	20	0.67495201
ENSG00000184497	13	TMEM255B	114462216	rs7399615	13	114527913	T	C	0.180915	-0.0011797	0.00934135	0.899504	-0.742472	0.108902	9.24E-12	0.00158888	0.0125836	0.8995211	0.485871	10	0.98098987
ENSG00000185989	13	RASA3	114747194	rs3812831	13	114900150	C	T	0.510934	0.0164126	0.00807318	0.0420543	0.434629	0.0690287	3.05E-10	0.0377623	0.0195191	0.0530354	0.7679349	16	0.54199269
ENSG00000130177	13	CDC16	115000362	rs61973461	13	115000465	C	T	0.258449	0.00822003	0.00949067	0.386427	0.240788	0.0388737	5.86E-10	0.034138	0.0397985	0.3910184	0.9355326	9	0.84301004
ENSG00000169062	13	UPF3A	115047059	rs9525326	13	115075715	G	A	0.214712	0.0229265	0.010316	0.0262543	-0.412091	0.0742608	2.87E-08	-0.0556346	0.0269663	0.03910153	0.2516529	5	0.50536048
ENSG00000129484	14	PARP2	20811741	rs878157	14	20825013	T	C	0.270378	0.0151011	0.00891631	0.0903317	0.319986	0.0556401	8.87E-09	0.047193	0.0290479	0.1042347	0.8342832	9	0.63826532
ENSG00000092094	14	OSGEP	20914570	rs2275006	14	20920340	G	A	0.632207	0.0101428	0.00861767	0.239205	0.675334	0.0544726	2.69E-35	0.0150189	0.012818	0.241314	0.02574371	18	0.76586993
ENSG00000258515	14	RP11-203M5.7	20919464	rs1760944	14	20923149	G	T	0.641153	0.0136603	0.00874546	0.11829	0.400466	0.0468052	1.17E-17	0.034111	0.0221991	0.1243934	0.3366755	13	0.66875442
ENSG00000100888	14	CHD8	21853353	rs72680704	14	21804360	C	A	0.120278	-0.0183307	0.0118205	0.12096	-0.424607	0.0713593	2.68E-09	0.043171	0.0287686	0.1334515	0.5070888	4	0.67495201
ENSG00000092203	14	TOX4	21944756	rs12435917	14	21959550	G	A	0.657058	-0.005671	0.00835914	0.497504	0.29349	0.0381374	1.41E-14	-0.0193227	0.0285923	0.4991673	0.3460345	7	0.88088085
ENSG00000129562	14	DAD1	23033805	rs11625520	14	23051042	T	C	0.0934394	0.00279193	0.0132201	0.83274	0.487322	0.0835115	5.37E-09	0.00572913	0.0271458	0.8328482	0.8064979	3	0.97319986
ENSG00000100461	14	RBM23	23369854	rs12589539	14	23396680	C	T	0.581511	-0.007099	0.00812624	0.382338	0.656066	0.0645443	2.85E-24	-0.0108206	0.012432	0.3840895	0.06385182	19	0.83946601
ENSG00000092036	14	HAUS4	23415437	rs1951120	14	23429713	C	T	0.473161	0.00549303	0.0080847	0.496862	0.767874	0.0603528	4.40E-37	0.00715356	0.0105437	0.4974747	0.03525243	20	0.88088085
ENSG00000215256	14	DHRS4-AS1	24407940	rs7156226	14	24428798	T	C	0.0516899	0.0147934	0.0417246	0.722928	-1.08064	0.146701	1.75E-13	-0.0136895	0.0386557	0.723235	0.2547925	4	0.94553222
ENSG00000157326	14	DHRS4	24422795	rs7146599	14	24527672	A	G	0.544732	-0.0105528	0.0080859	0.191862	0.486952	0.0771267	2.73E-10	-0.0216711	0.0169562	0.2012257	0.7352045	3	0.73824791
ENSG00000187630	14	DHRS4L2	24439148	rs10148822	14	24421152	T	C	0.0506958	-0.0317794	0.0464148	0.493544	-0.965233	0.139124	3.98E-12	0.0329241	0.0483202	0.4956358	0.7447549	9	0.88088085
ENSG00000186648	14	LRRC16B	24521206	rs7146599	14	24527672	A	G	0.544732	-0.0105528	0.0080859	0.191862	0.39073	0.0552133	1.48E-12	-0.0270079	0.0210433	0.1993366	0.4646503	13	0.73394554
ENSG00000092295	14	TGM1	24718320	rs941504	14	24733467	T	C	0.944334	0.010418	0.0170707	0.541674	1.16233	0.113851	1.80E-24	0.00896303	0.0147128	0.5423932	0.4856655	10	0.89015912
ENSG00000157379	14	DHRS1	24759804	rs1046584	14	24785784	T	C	0.115308	-0.0174789	0.0104169	0.0933598	0.591094	0.102386	7.78E-09	-0.0295704	0.0183523	0.1071227	0.8032701	7	0.64397126
ENSG00000129467	14	ADCY4	24787555	rs1109153	14	24799287	T	A	0.291252	0.00321237	0.00885321	0.716719	0.707427	0.0928103	2.49E-14	0.00454092	0.0125288	0.717025	0.1927886	19	0.94380637
ENSG00000100441	14	KHNYN	24898492	rs4982912	14	24903284	G	A	0.763419	-0.0019119	0.00875807	0.827199	-0.520107	0.0689469	4.57E-14	0.00367588	0.016846	0.8272698	0.1393324	4	0.9711119
ENSG00000092108	14	SCFD1	31091318	rs229231	14	31077861	A	G	0.351889	0.0158798	0.00866086	0.0667252	0.325726	0.0398763	3.12E-16	0.048752	0.027251	0.07361508	0.7873212	19	0.56880371
ENSG00000129493	14	HEATR5A	31760994	rs12588420	14	31860536	C	G	0.579523	0.00497557	0.00806805	0.537433	0.386991	0.0529745	2.77E-13	0.0128571	0.0209223	0.5388753	0.9627731	11	0.88794169
ENSG00000100890	14	KIAA0391	35591052	rs28595436	14	35763438	T	G	0.0526839	0.0247296	0.0197339	0.210151	-0.529049	0.0935481	1.56E-08	-0.0467435	0.0382055	0.2211498	0.8468695	7	0.75497764
ENSG00000271424	14	RP11-647O20.1	39839483	rs2104531	14	39832275	G	A	0.27833	0.0193239	0.00940675	0.0399512	0.575964	0.0925309	4.83E-10	0.0335505	0.0171986	0.05108457	0.6746152	16	0.53816084
ENSG00000165379	14	LRFN5	42076773	rs11157247	14	42168893	A	G	0.409543	0.0172875	0.00838572	0.0392518	0.643788	0.0694885	1.96E-20	0.0268528	0.0133442	0.04418584	0.1435021	20	0.52475565
ENSG00000187790	14	FANCM	45605143	rs11845507	14	45651965	A	G	0.129225	0.00553062	0.0123517	0.654326	0.578878	0.0932662	5.41E-10	0.00955403	0.0213928	0.655163	0.6195336	13	0.92834527
ENSG00000165502	14	RPL36AL	50085237	rs3007042	14	50095335	G	A	0.760437	-0.0096268	0.00961837	0.316887	0.61978	0.054948	1.66E-29	-0.0155326	0.01558	0.3187848	0.7336291	19	0.81748223
ENSG00000100483	14	VCPKMT	50575350	rs2273326	14	50697878	T	C	0.152087	0.017939	0.0101912	0.0783682	-0.43028	0.0704233	9.97E-10	-0.0416915	0.0246484	0.09075121	0.9558251	10	0.6126828
ENSG00000100485	14	SOS2	50583847	rs10134448	14	50644736	A	G	0.0924453	-0.0271302	0.0153995	0.0781106	0.56814	0.074321	2.10E-14	-0.0477527	0.0278156	0.08602362	0.3860256	5	0.59548107
ENSG00000087299	14	L2HGDH	50704281	rs2297995	14	50769717	A	G	0.547714	0.0155279	0.00818231	0.0577311	0.247629	0.0450904	3.98E-08	0.0627063	0.0349598	0.07286598	0.5725276	5	0.56880371
ENSG00000258711	14	RP11-218E20.3	51422977	rs79822782	14	51430887	G	A	0.202783	0.0138663	0.0108608	0.201697	0.979312	0.111671	1.79E-18	0.0141592	0.0112071	0.2064418	0.6221443	20	0.74155842
ENSG00000186469	14	GNG2	52292913	rs34279972	14	52271614	C	T	0.395626	0.00499973	0.00831891	0.547835	-0.57211	0.0598023	1.10E-21	-0.0087391	0.0145694	0.5486227	0.2832556	20	0.8939387
ENSG00000180998	14	GPR137C	53019866	rs762063	14	53098902	A	G	0.562624	0.0200186	0.00810149	0.0134744	0.286969	0.0493769	6.18E-09	0.0697588	0.0306769	0.02296708	0.539331	4	0.41830708
ENSG00000125378	14	BMP4	54416454	rs17563	14	54417522	G	A	0.549702	0.00644934	0.008293	0.436755	0.692483	0.0948898	2.93E-13	0.00931335	0.0120436	0.4393411	0.1020637	20	0.86418942
ENSG00000100528	14	CNIH1	54893654	rs3204303	14	54890379	A	C	0.10338	-0.0120048	0.0127692	0.347146	0.736559	0.0731427	7.49E-24	-0.0162985	0.0174117	0.3492388	0.9996278	14	0.83203655
ENSG00000131979	14	GCH1	55308726	rs60026945	14	55338690	T	A	0.0884692	-0.0048577	0.0128195	0.704739	-0.642137	0.110248	5.73E-09	0.00756487	0.020006	0.7053343	0.4717977	5	0.94206936
ENSG00000126775	14	ATG14	55833110	rs7142857	14	55704128	T	C	0.440358	0.00171607	0.00806217	0.831441	0.411841	0.0630892	6.67E-11	0.00416683	0.0195863	0.8315286	0.4025965	20	0.97248978
ENSG00000100592	14	DAAM1	59655364	rs34529198	14	59753329	A	C	0.389662	0.0171327	0.00820967	0.0368986	-0.445754	0.0766339	6.00E-09	-0.0384353	0.019567	0.04949591	0.1452335	10	0.53502872
ENSG00000126790	14	L3HYPDH	59927081	rs1253098	14	59945536	G	A	0.469185	-0.0126899	0.00852617	0.136658	-0.593772	0.0665332	4.48E-19	0.0213717	0.0145577	0.1420848	0.4727937	20	0.68835807
ENSG00000126773	14	PCNXL4	60558629	rs944445	14	60628608	A	G	0.150099	0.00941148	0.0127687	0.461075	0.675836	0.0624685	2.80E-27	0.0139257	0.018937	0.4621144	0.02956637	17	0.87178458
ENSG00000100612	14	DHRS7	60610838	rs1254036	14	60624289	C	A	0.147117	0.00805838	0.0129596	0.534069	-0.405978	0.0670201	1.38E-09	-0.0198493	0.0320897	0.5362079	0.8927094	7	0.88710629
ENSG00000023608	14	SNAPC1	62229075	rs17099239	14	62267508	G	A	0.149105	-2.84E-05	0.0097945	0.997689	0.523248	0.0929675	1.82E-08	-5.42E-05	0.0187187	0.9976893	0.515722	13	0.99915219
ENSG00000054654	14	SYNE2	64319683	rs61985747	14	64297272	A	G	0.593439	-0.0017683	0.0082778	0.83084	-0.386967	0.0543231	1.05E-12	0.00456974	0.0214011	0.8309148	0.550513	11	0.97248978
ENSG00000089775	14	ZBTB25	64915824	rs2057130	14	64961479	C	A	0.392644	-0.0078312	0.008087	0.332861	0.350199	0.059075	3.07E-09	-0.0223621	0.0233987	0.3392236	0.2651676	11	0.82647938
ENSG00000258289	14	CHURC1	65381079	rs10142016	14	65375444	G	T	0.186879	0.00764242	0.0096039	0.42617	0.799588	0.0549844	6.55E-48	0.00955795	0.012029	0.4268617	0.9281616	20	0.8584192
ENSG00000139998	14	RAB15	65412532	rs7161378	14	65450780	C	T	0.22664	0.0103811	0.00980698	0.289809	0.336593	0.0595924	1.62E-08	0.0308417	0.0296433	0.2981409	0.9464996	20	0.80667732
ENSG00000033170	14	FUT8	65877310	rs2411405	14	66232086	G	A	0.49006	-0.0230386	0.00807504	0.00433002	0.309174	0.0554358	2.44E-08	-0.0745166	0.0293372	0.0110852	0.6074661	8	0.35263947
ENSG00000054690	14	PLEKHH1	68000018	rs753682	14	68004885	G	T	0.517893	0.0163476	0.00812113	0.0441174	0.345384	0.0578262	2.33E-09	0.0473317	0.0248128	0.05644944	0.7682505	15	0.5488752
ENSG00000100626	14	GALNT16	69725994	rs75088740	14	69819101	A	G	0.205765	-0.0118762	0.0119919	0.322003	-0.781463	0.0922863	2.50E-17	0.0151974	0.01545	0.325289	0.437261	9	0.82286069
ENSG00000259158	14	ADAM20P1	70935598	rs7144992	14	70941958	G	A	0.296223	0.00490575	0.0106775	0.645911	-0.326331	0.0558893	5.26E-09	-0.015033	0.032821	0.6469297	0.3726862	20	0.92641321
ENSG00000100731	14	PCNX	71374122	rs8003103	14	71451265	A	G	0.370775	0.0115756	0.00861918	0.179269	-0.235251	0.0362716	8.83E-11	-0.0492053	0.0374155	0.1884741	0.2303791	20	0.72689546
ENSG00000119599	14	DCAF4	73393040	rs12587742	14	73393391	A	G	0.184891	0.00518021	0.00937873	0.580718	0.992272	0.0915708	2.32E-27	0.00522055	0.00946404	0.5812088	0.3628457	20	0.9004891
ENSG00000133961	14	NUMB	73741815	rs10146723	14	73894372	A	T	0.250497	0.00247952	0.00849698	0.77043	-0.467906	0.0648333	5.31E-13	-0.0052992	0.0181744	0.7706126	0.7517552	11	0.95928628
ENSG00000258695	14	RP3-414A15.2	73989582	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.747615	0.0923802	5.83E-16	-0.0253899	0.0113245	0.02495924	0.2221386	18	0.43194487
ENSG00000184227	14	ACOT1	74003818	rs12433922	14	74038071	A	G	0.27336	-0.0085164	0.00936271	0.363031	0.814661	0.101521	1.02E-15	-0.0104539	0.0115664	0.3660923	0.1369423	10	0.83463738
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.805788	0.091017	8.51E-19	-0.0235569	0.0104405	0.02405106	0.347012	20	0.42398436
ENSG00000177465	14	ACOT4	74058410	rs11624828	14	74026458	T	A	0.171968	0.00530221	0.0122281	0.66457	0.592056	0.107425	3.56E-08	0.00895559	0.0207174	0.6655431	0.01975935	3	0.93167988
ENSG00000156030	14	ELMSAN1	74181825	rs60510049	14	74184917	G	A	0.125249	0.00616698	0.0140195	0.66002	-0.694299	0.0854235	4.37E-16	-0.0088823	0.0202219	0.6604854	0.86565	12	0.9296996
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.38894	0.118396	8.81E-32	-0.0111036	0.00775021	0.1519465	0.4450725	20	0.69263266
ENSG00000140043	14	PTGR2	74318547	rs8020267	14	74318714	G	A	0.90159	-0.0144917	0.0156902	0.355688	-0.757621	0.115045	4.54E-11	0.0191279	0.0209125	0.3603688	0.8500938	11	0.83426107
ENSG00000119723	14	COQ6	74416629	rs11626048	14	74282511	C	T	0.492048	-0.0010452	0.00819026	0.898458	-0.418553	0.0732124	1.08E-08	0.00249706	0.0195729	0.8984836	0.1578898	14	0.98098987
ENSG00000187097	14	ENTPD5	74424713	rs12587320	14	74368294	A	G	0.202783	0.0013272	0.0100528	0.894966	0.553568	0.0652333	2.14E-17	0.00239754	0.0181622	0.8949788	0.9678146	13	0.98098987
ENSG00000119711	14	ALDH6A1	74523553	rs8015500	14	74553843	A	G	0.184891	-0.0031785	0.0114449	0.781225	-0.225957	0.0380368	2.84E-09	0.0140668	0.0507061	0.7814584	0.6207815	9	0.96342048
ENSG00000205659	14	LIN52	74551499	rs4903173	14	74512074	A	G	0.133201	-0.014221	0.0111863	0.203624	-0.718714	0.10843	3.39E-11	0.0197867	0.015848	0.2118367	0.9890624	13	0.74515605
ENSG00000259081	14	RP11-488C13.6	77240627	rs57335731	14	77276622	C	A	0.10835	-0.0114742	0.0113158	0.310585	0.62401	0.110779	1.77E-08	-0.0183878	0.0184255	0.3182998	0.3824669	3	0.81748223
ENSG00000165548	14	TMEM63C	77582911	rs113939311	14	77695014	A	G	0.130219	-0.0018344	0.0121146	0.879644	0.742467	0.0803034	2.34E-20	-0.0024707	0.0163189	0.87966	0.8284021	17	0.97689669
ENSG00000100577	14	GSTZ1	77787227	rs2193594	14	77786021	G	A	0.295229	-0.0002396	0.00836933	0.977156	0.568225	0.0754875	5.18E-14	-0.0004217	0.014729	0.9771566	0.2057148	15	0.99269132
ENSG00000100580	14	TMED8	77801364	rs11159260	14	77917412	G	A	0.192843	0.00703041	0.0109188	0.519652	0.359323	0.0650101	3.25E-08	0.0195657	0.0305926	0.5224612	0.9614894	6	0.88693216
ENSG00000165555	14	NOXRED1	77860364	rs10431634	14	77945939	T	C	0.478131	-0.0115154	0.00806422	0.153304	0.543466	0.0887417	9.12E-10	-0.0211888	0.0152365	0.164329	0.3297228	11	0.70082793
ENSG00000100601	14	ALKBH1	78138747	rs61993672	14	78192623	C	T	0.102386	-0.0080875	0.0119708	0.499295	0.936797	0.135036	3.99E-12	-0.0086331	0.0128389	0.5013166	0.5026669	19	0.88095299
ENSG00000239272	14	RPL21P10	78149545	rs61993672	14	78192623	C	T	0.102386	-0.0080875	0.0119708	0.499295	1.14163	0.164294	3.69E-12	-0.0070842	0.0105352	0.5013101	0.8991369	15	0.88095299
ENSG00000063761	14	ADCK1	78266426	rs11159308	14	78374783	A	G	0.280318	-0.0037429	0.00919752	0.684047	-0.587372	0.0588899	1.98E-23	0.00637228	0.0156718	0.6842957	0.9349714	20	0.93565052
ENSG00000054983	14	GALC	88304164	rs55905933	14	88471979	G	A	0.15507	-0.0302926	0.0110378	0.0060615	-0.622046	0.071503	3.33E-18	0.0486983	0.0186064	0.00886302	0.5511852	20	0.34446388
ENSG00000042317	14	SPATA7	88851268	rs3179969	14	88862529	A	G	0.300199	-0.0076194	0.00893211	0.393639	-0.695674	0.0660543	6.16E-26	0.0109526	0.0128816	0.3951847	0.8202326	20	0.84410017
ENSG00000258983	14	RP11-507K2.2	88965678	rs2297128	14	88936254	G	A	0.228628	-0.0102702	0.00942596	0.275905	1.1996	0.0923005	1.28E-38	-0.0085614	0.00788515	0.2775867	0.9195697	20	0.7930304
ENSG00000222990	14	RNU4-22P	88979842	rs2297128	14	88936254	G	A	0.228628	-0.0102702	0.00942596	0.275905	1.13777	0.100835	1.58E-29	-0.0090266	0.00832313	0.2781339	0.9363971	20	0.79317517
ENSG00000042088	14	TDP1	90421283	rs8009397	14	90361742	T	C	0.602386	0.00672614	0.00855809	0.431903	0.462817	0.0832279	2.68E-08	0.014533	0.0186751	0.436448	0.1467486	3	0.86298249
ENSG00000233208	14	LINC00642	90921574	rs10142876	14	90920340	G	T	0.365805	0.00752652	0.00820579	0.359027	0.54448	0.0884826	7.58E-10	0.0138233	0.0152374	0.3643021	0.6908484	4	0.83426107
ENSG00000165914	14	TTC7B	91006932	rs1286320	14	91270550	T	C	0.724652	-0.0082743	0.0086804	0.340483	-0.696849	0.0652617	1.29E-26	0.0118738	0.0125062	0.3423988	0.457588	20	0.82819565
ENSG00000119714	14	GPR68	91698876	rs4904763	14	91752509	G	T	0.89662	0.00352356	0.0182801	0.847152	-0.65444	0.106243	7.28E-10	-0.0053841	0.0279461	0.8472256	0.02060545	3	0.9761713
ENSG00000100604	14	CHGA	93389425	rs9658638	14	93389435	T	C	0.148111	0.00089438	0.00948701	0.924892	0.697007	0.0854527	3.44E-16	0.00128317	0.013612	0.9248965	0.4349742	7	0.98393256
ENSG00000133958	14	UNC79	93799565	rs2174239	14	93885496	C	T	0.865805	-0.0011088	0.0100484	0.912136	-0.349357	0.0638252	4.41E-08	0.00317377	0.0287684	0.9121544	0.205496	8	0.98098987
ENSG00000165948	14	IFI27L1	94547628	rs3818119	14	94567032	T	C	0.513917	0.00861411	0.00840695	0.305532	0.389385	0.0581872	2.20E-11	0.0221223	0.0218419	0.3111377	0.9854616	6	0.81264646

ENSG00000119632	14	IFI27L2	94594116	rs2273514	14	94595989	C	T	0.16501	-0.0038338	0.00979191	0.695409	-0.465433	0.0572534	4.32E-16	0.00823704	0.0210627	0.6957433	0.9206591	12	0.9387509
ENSG00000176438	14	SYNE3	95883831	rs10136515	14	95930835	G	A	0.666004	0.00117219	0.00842003	0.889281	-0.658851	0.0874647	4.97E-14	-0.0017791	0.0127821	0.8892995	0.8477663	4	0.97923901
ENSG00000250366	14	LINC00617	96342729	rs35884946	14	96268329	C	A	0.101392	-0.0024133	0.0125615	0.847649	0.458357	0.0704935	7.92E-11	-0.0052651	0.0274175	0.8477142	0.5883659	8	0.9761713
ENSG00000168398	14	BDKRB2	96671016	rs2071084	14	96730142	G	A	0.83996	0.00884642	0.00977994	0.365705	-1.21463	0.115655	8.44E-26	-0.0072832	0.0080816	0.3674762	0.491486	8	0.83463738
ENSG00000258788	14	RP11-404P21.9	96689445	rs2071084	14	96730142	G	A	0.83996	0.00884642	0.00977994	0.365705	-0.887631	0.12429	9.22E-13	-0.0099663	0.0111061	0.3695172	0.9789154	5	0.83468583
ENSG00000100739	14	BDKRB1	96722161	rs2071084	14	96730142	G	A	0.83996	0.00884642	0.00977994	0.365705	-0.98515	0.11929	1.48E-16	-0.0089798	0.00998673	0.3685621	0.9748852	5	0.83463738
ENSG00000258793	14	RP11-404P21.3	96725748	rs2071084	14	96730142	G	A	0.83996	0.00884642	0.00977994	0.365705	-0.975769	0.13113	9.97E-14	-0.0090661	0.0100966	0.3692188	0.9789173	5	0.83463738
ENSG00000100744	14	GSKIP	96829814	rs11160333	14	96821396	T	C	0.426441	-0.0031862	0.00816716	0.69645	0.327144	0.0515293	2.17E-10	-0.0097393	0.0250121	0.696993	0.3377556	11	0.93925594
ENSG00000182218	14	HHIPL1	100111447	rs11160531	14	100072779	C	G	0.703777	0.00418105	0.00845161	0.620809	0.414263	0.0744458	2.63E-08	0.0100927	0.020482	0.6221814	0.3719046	3	0.91852725
ENSG00000036530	14	CYP46A1	100150641	rs911913	14	100182801	T	C	0.140159	0.0110857	0.0108278	0.305921	1.02863	0.114206	2.12E-19	0.0107771	0.0105942	0.3090263	0.1565542	7	0.81041712
ENSG00000258666	14	RP11-638I2.8	100800127	rs12888855	14	100830818	A	C	0.190855	0.0146933	0.0103821	0.156992	0.867419	0.110919	5.27E-15	0.0169391	0.0121634	0.1637311	0.2477203	12	0.70082793
ENSG00000183092	14	BEGAIN	101003486	rs4073738	14	101015380	C	T	0.411531	0.00570999	0.00817018	0.484626	-0.247058	0.0357719	4.97E-12	-0.0231119	0.0332388	0.486848	0.8581945	8	0.87851987
ENSG00000271780	14	RP11-1017G21.5	102414684	rs2474679	14	102414829	T	C	0.0815109	0.00919116	0.0128143	0.473217	0.933144	0.112857	1.36E-16	0.00984967	0.013784	0.474872	0.08119768	18	0.87619336
ENSG00000272444	14	RP11-1017G21.6	102418753	rs1741149	14	102404226	G	T	0.818091	-0.0127255	0.0123675	0.303502	0.490822	0.0833735	3.93E-09	-0.0259269	0.0255795	0.3107825	0.06996028	4	0.81264646
ENSG00000022976	14	ZNF839	102783714	rs7158198	14	102773600	T	C	0.0984095	-0.0116761	0.013934	0.402055	0.635256	0.0937899	1.26E-11	-0.0183801	0.0221017	0.405625	0.1160988	19	0.84683083
ENSG00000126214	14	KLC1	104028233	rs8702	14	104152352	G	C	0.691849	0.0275718	0.00901241	0.0022184	0.175364	0.0299667	4.86E-09	0.157226	0.0579918	0.00670446	0.01481317	10	0.30527628
ENSG00000126215	14	XRCC3	104163946	rs1799794	14	104179267	C	T	0.215706	-0.0307198	0.00967341	0.00149479	-0.507834	0.0673936	4.87E-14	0.0604918	0.0206709	0.00342879	0.7728869	20	0.27554195
ENSG00000156414	14	TDRD9	104394799	rs10149651	14	104394440	G	A	0.713718	0.00808245	0.00914405	0.376749	-0.680947	0.110325	6.73E-10	-0.0118694	0.0135654	0.3815869	0.7561544	11	0.83846816
ENSG00000184990	14	SIVA1	105219437	rs4983548	14	105216381	T	C	0.187873	-0.0066835	0.0104676	0.523156	0.425237	0.0641519	3.39E-11	-0.015717	0.0247299	0.5250713	0.4700345	7	0.88695061
ENSG00000185567	14	AHNAK2	105403581	rs9805957	14	105437057	C	A	0.626243	-0.0066574	0.00811923	0.412243	0.414052	0.0522071	2.17E-15	-0.0160786	0.0197137	0.4147255	0.6500398	20	0.85361381
ENSG00000140104	14	C14orf79	105452112	rs2819458	14	105448337	G	A	0.223658	0.0116948	0.00903633	0.195596	0.732273	0.0731761	1.42E-23	0.0159705	0.0124429	0.199314	0.4729035	20	0.73394554
ENSG00000183828	14	NUDT14	105639275	rs11160838	14	105648901	C	T	0.625249	-0.0088932	0.00835633	0.287218	0.445495	0.0775993	9.41E-09	-0.0199625	0.019077	0.2953682	0.795506	6	0.80533525
ENSG00000184887	14	BTBD6	105714827	rs8022081	14	105752981	C	T	0.616302	0.0245368	0.00884123	0.00551569	-0.404625	0.059971	1.51E-11	-0.0606408	0.0236267	0.01026947	0.4373086	4	0.3476779
ENSG00000206149	15	HERC2P9	28834638	rs8036234	15	28962131	A	G	0.05666	0.0115823	0.0140376	0.40932	-0.983873	0.138976	1.45E-12	-0.0117721	0.0143643	0.4124762	0.9560575	19	0.85243442
ENSG00000261377	15	RP11-578F21.12	29034810	rs147495388	15	29077969	C	T	0.167992	-0.00043	0.0141977	0.975839	-1.26638	0.0842067	4.08E-51	0.00033955	0.0112113	0.9758388	0.7939559	15	0.99269132
ENSG00000261649	15	GOLGA6L7P	29087381	rs7179973	15	29078589	C	G	0.167992	-0.0015469	0.014208	0.913303	-0.796872	0.113734	2.44E-12	0.00194116	0.0178319	0.9133141	0.2077725	3	0.98098987
ENSG00000270055	15	CTD-3092A11.2	30780166	rs62018335	15	30913755	T	A	0.233598	-0.0059029	0.00862025	0.493486	0.864796	0.107128	6.88E-16	-0.0068258	0.0100038	0.4950339	0.01856563	20	0.88088085
ENSG00000259845	15	HERC2P10	31107474	rs35480234	15	31093529	T	C	0.171968	0.00704575	0.012017	0.557663	-0.920757	0.0838153	4.48E-28	-0.0076521	0.0130698	0.5582237	0.3740505	20	0.89615301
ENSG00000260382	15	RP11-540B6.2	31174470	rs35480234	15	31093529	T	C	0.171968	0.00704575	0.012017	0.557663	-1.10425	0.110928	2.41E-23	-0.0063806	0.0109014	0.5583454	0.8392314	15	0.89615301
ENSG00000261628	15	RP11-540B6.3	31191683	rs35579443	15	31095933	T	G	0.170974	0.00941304	0.0119436	0.430624	-0.759487	0.0987574	1.47E-14	-0.0123939	0.0158082	0.4330296	0.4736362	8	0.86298249
ENSG00000198690	15	FAN1	31196055	rs35480234	15	31093529	T	C	0.171968	0.00704575	0.012017	0.557663	-0.323567	0.0518171	4.25E-10	-0.0217752	0.0373025	0.5593901	0.6066712	9	0.89615301
ENSG00000270015	15	RP11-540B6.6	31218717	rs35480234	15	31093529	T	C	0.171968	0.00704575	0.012017	0.557663	-0.502934	0.068003	1.41E-13	-0.0140093	0.0239688	0.5588965	0.04686246	20	0.89615301
ENSG00000166912	15	MTMR10	31231144	rs12592532	15	31194814	C	T	0.49503	0.0129727	0.00804396	0.106804	-0.274104	0.04208	7.32E-11	-0.0473277	0.0302324	0.1174751	0.2061022	14	0.66110705
ENSG00000134160	15	TRPM1	31293264	rs3809579	15	31394322	T	C	0.584493	0.006059	0.00808677	0.453708	-0.945499	0.0893838	3.77E-26	-0.0064083	0.00857434	0.4548366	0.9056816	7	0.86795298
ENSG00000206127	15	GOLGA8O	32737307	rs4539568	15	32902065	T	G	0.356859	0.0022643	0.00874426	0.795676	0.868099	0.10347	4.87E-17	0.00260834	0.0100777	0.7957712	0.4638155	4	0.96375538
ENSG00000254912	15	RP11-632K20.2	32786204	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	1.15745	0.103031	2.78E-29	0.00041014	0.0082935	0.9605581	0.7990024	6	0.98968811
ENSG00000223509	15	RP11-632K20.7	32812049	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	-0.789862	0.0813912	2.88E-22	-0.000601	0.0121532	0.9605582	0.8714479	6	0.98968811
ENSG00000259446	15	RP11-489D6.2	33595858	rs2670948	15	33595844	T	G	0.518887	-0.0057639	0.00807599	0.475404	-0.747027	0.0823198	1.14E-19	0.00771584	0.0108442	0.4767646	0.4568242	20	0.87652819
ENSG00000259287	15	RP11-3D4.2	34150918	rs116556833	15	34195400	C	G	0.05666	-0.0134113	0.0131649	0.30834	-0.89443	0.122947	3.47E-13	0.0149942	0.0148624	0.3130355	0.9740454	20	0.81455426
ENSG00000182405	15	PGBD4	34394274	rs1436923	15	34394273	A	C	0.902584	-0.0127456	0.0140311	0.363676	-0.644301	0.0887261	3.82E-13	0.0197821	0.021947	0.3673984	0.2846277	10	0.83463738
ENSG00000259904	15	RP11-602M11.3	34665742	rs2644233	15	34717731	T	G	0.921471	-0.0013027	0.0192752	0.946117	-0.677917	0.116145	5.32E-09	0.00192159	0.0284349	0.946121	0.9644519	13	0.98959553
ENSG00000175265	15	GOLGA8A	34671269	rs2455922	15	34717173	T	C	0.0854871	-1.23E-06	0.0209076	0.999953	-0.73137	0.102588	1.01E-12	1.69E-06	0.0285869	0.999953	0.5577622	12	0.999953
ENSG00000215252	15	GOLGA8B	34817408	rs113102306	15	34672050	C	T	0.0149105	0.100887	0.0751418	0.179392	-1.3897	0.249983	2.71E-08	-0.0725962	0.0556251	0.1918593	0.964019	3	0.72914054
ENSG00000156970	15	BUB1B	40453224	rs56282503	15	40566759	C	T	0.304175	0.00140311	0.00949846	0.882564	0.703053	0.118621	3.09E-09	0.00199574	0.0135145	0.8826001	0.9905688	6	0.97689669
ENSG00000137843	15	PAK6	40509629	rs56282503	15	40566759	C	T	0.304175	0.00140311	0.00949846	0.882564	0.448547	0.0787807	1.24E-08	0.00312812	0.0211832	0.8826032	0.7959251	4	0.97689669
ENSG00000259330	15	LINC00984	40617417	rs2004251	15	40619587	G	A	0.602386	-0.0077048	0.00855543	0.367814	-0.306107	0.0558005	4.12E-08	0.0251703	0.0283233	0.3741752	0.7172386	4	0.83735401
ENSG00000188549	15	C15orf52	40623653	rs4923864	15	40634717	A	G	0.0924453	0.033549	0.0120008	0.00518084	0.878467	0.152612	8.60E-09	0.0381904	0.015187	0.01191389	0.6661933	3	0.36435165
ENSG00000128944	15	KNSTRN	40674922	rs76994419	15	40714150	T	C	0.0954274	-0.0267312	0.0113594	0.018611	1.58225	0.128481	7.52E-35	-0.0168944	0.00730917	0.02081065	0.5315846	20	0.40745848
ENSG00000128928	15	IVD	40697686	rs76277863	15	40649863	G	A	0.0974155	-0.026753	0.0112957	0.0178636	-0.676649	0.0959148	1.73E-12	0.0395375	0.0176092	0.02475089	0.5009647	10	0.43161339
ENSG00000128891	15	C15orf57	40820882	rs10152546	15	40855210	A	T	0.474155	0.0285905	0.00831192	0.00058236	-0.617873	0.0679087	9.15E-20	-0.0462725	0.0143817	0.00129333	0.02485028	20	0.17322719
ENSG00000166140	15	ZFYVE19	41099284	rs11070297	15	41099349	T	C	0.380716	0.00040975	0.00808315	0.959571	-0.540081	0.0636034	2.04E-17	-0.0007587	0.0149668	0.9595721	0.00430528	20	0.98968811
ENSG00000137804	15	NUSAP1	41624892	rs28492932	15	41624397	C	G	0.253479	0.0112703	0.00931174	0.226152	0.948705	0.104106	8.02E-20	0.0118797	0.0099014	0.2302184	0.01962179	20	0.75838827
ENSG00000137806	15	NDUFAF1	41679551	rs316606	15	41772202	C	A	0.26839	0.0226627	0.00882697	0.0102454	-0.582585	0.0695249	5.31E-17	-0.0389002	0.0158466	0.0140964	0.1435386	20	0.37299146
ENSG00000103932	15	RPAP1	41809374	rs2297379	15	41819283	A	G	0.434394	0.00213743	0.00809662	0.791788	-0.428268	0.0666645	1.33E-10	-0.0049909	0.0189215	0.7919589	0.753224	11	0.96375538
ENSG00000137802	15	MAPKBP1	42066632	rs890509	15	42162957	T	G	0.367793	-0.0180059	0.00858739	0.0360131	0.284848	0.0460631	6.26E-10	-0.0632123	0.0318332	0.04706245	0.9033862	20	0.53502872
ENSG00000243708	15	PLA2G4B	42120283	rs28432037	15	42126779	A	G	0.355865	0.0165475	0.00823526	0.0445	0.310338	0.0458116	1.25E-11	0.0533209	0.0276792	0.05405563	0.6478935	13	0.54561569
ENSG00000137877	15	SPTBN5	42140345	rs12708403	15	42172927	T	C	0.267396	-0.0112341	0.00925183	0.22465	0.92668	0.0994321	1.17E-20	-0.012123	0.0100682	0.2285585	0.3593688	20	0.75779347
ENSG00000174171	15	RP11-23P13.6	42184991	rs1197701	15	42187492	C	T	0.2833	-0.0089734	0.0093765	0.338565	0.983923	0.106971	3.65E-20	-0.00912	0.00958115	0.341165	0.2055702	20	0.82819565
ENSG00000103966	15	EHD4	42190950	rs1197701	15	42187492	C	T	0.2833	-0.0089734	0.0093765	0.338565	0.979902	0.107977	1.14E-19	-0.0091574	0.00962187	0.3412355	0.2127199	18	0.82819565
ENSG00000214013	15	GANC	42565431	rs111917515	15	42672245	T	C	0.0755467	-0.0020301	0.0135172	0.880616	-0.395595	0.0715247	3.19E-08	0.00513181	0.0341819	0.88066	0.5624862	7	0.97689669
ENSG00000092529	15	CAPN3	42640301	rs111536430	15	42488450	T	C	0.0854871	-0.0020038	0.0135125	0.882115	0.664425	0.0866992	1.81E-14	-0.0030158	0.0203409	0.8821363	0.5642841	20	0.97689669
ENSG00000254793	15	FDPSP4	43231508	rs77323262	15	43333042	C	T	0.892644	-0.003205	0.0124772	0.797282	-0.776935	0.138028	1.81E-08	0.00412517	0.0160762	0.7974871	0.6045392	6	0.96408387
ENSG00000168803	15	ADAL	43622872	rs7175434	15	43628542	C	A	0.127237	0.00625321	0.0142143	0.659991	-0.875684	0.0917579	1.38E-21	-0.0071409	0.0162495	0.6603303	0.1313844	20	0.9296996
ENSG00000222398	15	RNU6-554P	43894741	rs2614819	15	43896446	A	C	0.101392	0.0010562	0.0199021	0.957676	0.902715	0.117905	1.91E-14	0.00117003	0.0220475	0.9576773	0.3463492	20	0.98968811
ENSG00000249839	15	AC011330.5	43955852	rs2957636	15	43938607	G	A	0.2833	-0.0226414	0.0112164	0.0435281	-0.773784	0.0885991	2.47E-18	0.0292606	0.0148777	0.04921232	0.2765484	20	0.53502872
ENSG00000166763	15	STRCP1	43991686	rs488756	15	43614724	C	A	0.162028	0.00219088	0.0119729	0.854809	0.664924	0.107182	5.51E-10	0.00329493	0.0180142	0.854871	0.3373925	12	0.9761713
ENSG00000205771	15	CATSPER2P1	44019116	rs28626717	15	43991505	G	A	0.0984095	0.006221	0.0198377	0.753829	0.956881	0.135779	1.82E-12	0.00650133	0.0207521	0.7540643	0.05572262	20	0.95502521
ENSG00000185880	15	TRIM69	45021186	rs7175030	15	45022659	G	A	0.112326	-0.010613	0.013845	0.443345	-0.971898	0.10122	7.85E-22	0.0109199	0.0142906	0.4447915	0.1422527	14	0.86795298
ENSG00000259479	15	CTD-2008A1.2	45118569	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	1.4299	0.190849	6.77E-14	0.00480864	0.0146421	0.7426002	0.2098719	13	0.95082761
ENSG00000140263	15	SORD	45315302	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	-0.869302	0.153288	1.42E-08	-0.0079096	0.0241018	0.7427778	0.5391854	3	0.95082761
ENSG00000137857	15	DUOX1	45422131	rs1648308	15	45474109	C	G	0.528827	-0.0074964	0.00806597	0.352687	-0.621675	0.0721478	6.89E-18	0.0120584	0.0130498	0.3554711	0.1663435	13	0.83426107
ENSG00000259539	15	CTD-2651B20.1	45444862	rs7174075	15	45448908	T	C	0.127237	-0.0195759	0.011561	0.0904045	0.98255	0.10564	1.39E-20	-0.0199236	0.0119597	0.09573555	0.1829766	11	0.62872481
ENSG00000138606	15	SHF	45459412	rs2467838	15	45489814	T	A	0.635189	-0.0126886	0.00825856	0.124437	-0.361062	0.0487087	1.24E-13	0.0351424	0.0233591	0.1324676	0.1049144	9	0.67495201
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	0.991647	0.090712	8.12E-28	-0.0056951	0.00831901	0.4936012	0.3965773	20	0.88088085
ENSG00000137860	15	SLC28A2	45544428	rs12911111	15	45575489	G	A	0.637177	-0.0051868	0.00823373	0.52873	0.889309	0.0887232	1.20E-23	-0.0058324	0.00927684	0.5295422	0.4178697	20	0.88710629
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-1.01636	0.07804	8.99E-39	-0.0051747	0.0080593	0.5208231	0.4208634	20	0.88693216
ENSG00000171763	15	SPATA5L1	45694529	rs55885762	15	45633166	A	C	0.276342	0.012509	0.00868811	0.149929	0.506451	0.0796036	1.99E-10	0.0246993	0.0175887	0.1602373	0.6033202	6	0.69993711
ENSG00000104064	15	GABPB1	50569389	rs28408662	15	50640584	T	C	0.562624	-7.13E-05	0.00829524	0.993147	0.427145	0.0525948	4.61E-16	-0.0001668	0.0194202	0.9931466	0.1681532	19	0.99876374
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	1.07516	0.0619044	1.44E-67	0.00572908	0.0085984	0.5052217	0.3013318	20	0.88300558
ENSG00000138600	15	SPPL2A	50999506	rs540257	15	50888175	A	T	0.0964215	0.0320323	0.0172881	0.0639043	-0.607738	0.0982687	6.23E-10	-0.0527074	0.0296959	0.07591327	0.2947978	12	0.57457094
ENSG00000104112	15	SCG3	51973550	rs34448759	15	51807924	G	C	0.218688	0.0111067	0.0115226	0.335092	-0.502512	0.0506978	3.69E-23	-0.0221024	0.0230382	0.3373674	0.1935294	20	0.82540122
ENSG00000259577	15	RP11-430B1.2	52472290	rs80166953	15	52481731	T	C	0.147117	0.00349908	0.0121809	0.773913	-0.473403	0.0798175	3.01E-09	-0.0073913	0.0257607	0.7741711	0.7123486	4	0.96137975
ENSG00000197535	15	MYO5A	52599480	rs8033626	15	52672745	T	C	0.625249	0.00765924	0.00948563	0.419402	0.423634	0.0410998	6.52E-25	0.0180799	0.0224597	0.4208249	0.7684086	20	0.85707798
ENSG00000259669	15	RP11-643A5.2	54239821	rs2616911	15	54275853	A	G	0.33499	0.00822509	0.00856317	0.336794	-0.994092	0.0935568	2.27E-26	-0.008274	0.00864919	0.3387598	0.4425277	20	0.82633194
ENSG00000069974	15	RAB27A	55495164	rs11635532	15	55600692	G	C	0.121272	-0.0110709	0.0125068	0.376052	1.06795	0.143357	9.36E-14	-0.0103665	0.0117934	0.3793976	0.1802855	6	0.83846816
ENSG00000261652	15	C15orf65	55700746	rs117006722	15	55778076	A	G	0.0854871	-0.0024926	0.0144835	0.86336	0.773128	0.115456	2.14E-11	-0.003224	0.0187398	0.8634047	0.5961697	8	0.9761713
ENSG00000230183	15	CNOT6LP1	56297911	rs72736412	15	56317051	T	G	0.150099	0.0238157	0.0124123	0.0550199	0.75686	0.132722	1.18E-08	0.0314665	0.0173031	0.06898154	0.5836712	6	0.56129172
ENSG00000247982	15	LINC00926	57592563	rs2248886	15	57594933	T	A	0.580517	0.0127804	0.00834163	0.125492	-0.750129	0.0654397	2.03E-30	-0.0170376	0.0112192	0.1288587	0.0309282	20	0.67336822
ENSG00000140299	15	BNIP2	59951345	rs17236867	15	60004077	G	C	0.419483	0.0093522	0.00808698	0.247496	0.288765	0.0489751	3.72E-09	0.0323869	0.028539	0.2564469	0.6522087	15	0.77529567
ENSG00000128915	15	NARG2	60711808	rs7174111	15	60706446	G	T	0.712724	-0.0158342	0.0102288	0.121621	0.373927	0.0643433	6.19E-09	-0.0423457	0.0283089	0.1346945	0.9345071	7	0.67495201
ENSG00000259370	15	RP11-1069G10.1	63124323	rs1994533	15	63242831	T	C	0.315109	4.23E-05	0.00886113	0.996194	-0.820887	0.104633	4.32E-15	-5.15E-05	0.0107946	0.9961941	0.1080399	8	0.99876374
ENSG00000140416	15	TPM1	63334831	rs12905046	15	63239254	A	G	0.314115	0.00095612	0.00885205	0.913987	-0.994899	0.0878949	1.05E-29	-0.000961	0.00889784	0.9139904	0.1630133	20	0.98098987
ENSG00000259498	15	RP11-244F12.3	63338233	rs12905046	15	63239254	A	G	0.314115	0.00095612	0.00885205	0.913987	-0.624396	0.10431	2.15E-09	-0.0015313	0.0141793	0.9140004	0.07956288	5	0.98098987
ENSG00000185088	15	RPS27L	63418071	rs2270948	15	63448780	G	C	0.0795229	0.0165442	0.0131586	0.208646	-0.462839	0.0760659	1.17E-09	-0.035745	0.0290308	0.2182178	0.6194958	3	0.75497764
ENSG00000074410	15	CA12	63613577	rs2899692	15	63675035	C	G	0.274354	0.00312339	0.00861519	0.716945	-0.400398	0.0594147	1.59E-11	-0.0078007	0.0215477	0.7173363	0.4801174	9	0.94380637
ENSG00000259459	15	RP11-321G12.1	63682335	rs16946963	15	63667406	C	A	0.277336	0.00439553	0.00848815	0.604568	0.65952	0.100004	4.25E-11	0.00666474	0.0129098	0.605677	0.3378997	12	0.91287911
ENSG00000197361	15	FBXL22	63889552	rs10152669	15	64117817	A	G	0.543738	-0.0126754	0.00812363	0.118686	0.344774	0.0632189	4.93E-08	-0.0367644	0.0245076	0.1335825	0.6570917	3	0.67495201
ENSG00000140451	15	PIF1	65107831	rs865576	15	65147398	G	A	0.570577	0.0183619	0.00824451	0.0259358	-0.769517	0.100902	2.41E-14	-0.0238616	0.0111614	0.03252736	0.6022163	18	0.4847168
ENSG00000166839	15	ANKDD1A	65204101	rs8035615	15	65204938	T	A	0.350895	0.00204854	0.00853848	0.810393	0.427321	0.058153	2.01E-13	0.00479391	0.0199921	0.8104924	0.1828024	5	0.96881317
ENSG00000090487	15	SPG21	65255362	rs17229765	15	65258834	A	G	0.425447	-0.0172551	0.00820972	0.0355713	-0.46445	0.0645624	6.30E-13	0.0371517	0.0184152	0.04364895	0.9604948	12	0.52475565
ENSG00000174498	15	IGDCC3	65619465	rs525514	15	65615556	C	T	0.395626	-0.0003587	0.00812982	0.964812	0.486261	0.0554506	1.80E-18	-0.0007376	0.0167193	0.9648121	0.6690329	15	0.9900137
ENSG00000103742	15	IGDCC4	65673802	rs28683576	15	65710213	T	A	0.204771	0.00186743	0.00897285	0.835135	-0.767257	0.099154	1.01E-14	-0.0024339	0.0116989	0.835194	0.9917885	20	0.97330482
ENSG00000166938	15	DIS3L	66585555	rs75040294	15	66585907	A	C	0.0387674	0.00651454	0.0142502	0.64756	1.53505	0.167289	4.47E-20	0.00424386	0.00929473	0.6479672	0.4505388	3	0.92641321
ENSG00000075131	15	TIPIN	66628544	rs4483802	15	66679819	C	G	0.106362	-0.0003002	0.0148735	0.983897	1.36286	0.171274	1.76E-15	-0.0002203	0.0109135	0.983897	0.487514	9	0.99531225
ENSG00000259673	15	IQCH-AS1	67695957	rs58144582	15	67832885	A	G	0.139165	-0.0066384	0.0104246	0.524254	0.761844	0.139055	4.28E-08	-0.0087136	0.0137755	0.5270315	0.7368461	12	0.88710629
ENSG00000189227	15	C15orf61	67813406	rs8027026	15	67828134	T	C	0.752485	0.00667174	0.00858458	0.437054	0.672853	0.0663455	3.61E-24	0.0099156	0.0127959	0.4383957	0.8687319	20	0.86354175
ENSG00000270964	15	RP11-502I4.3	67833410	rs12593494	15	67901532	A	G	0.763419	0.00325939	0.00868138	0.707328	-0.749035	0.110252	1.09E-11	-0.0043515	0.0116078	0.7077541	0.6407004	9	0.94206936
ENSG00000260657	15	RP11-315D16.4	68560130	rs7175297	15	68576528	G	A	0.356859	0.00093724	0.00901586	0.917206	0.762157	0.0860693	8.36E-19	0.00122972	0.0118302	0.9172113	0.9918614	13	0.98098987
ENSG00000137809	15	ITGA11	68594050	rs74667645	15	68608302	T	C	0.027833	0.0257337	0.0276699	0.35236	1.70134	0.275026	6.17E-10	0.0151255	0.0164464	0.357735	0.9515075	3	0.83426107
ENSG00000166173	15	LARP6	71123863	rs11072220	15	71123255	A	G	0.475149	0.00208314	0.00828686	0.801521	-0.543873	0.0511863	2.27E-26	-0.0038302	0.015241	0.8015757	0.4715938	19	0.96613448
ENSG00000140463	15	BBS4	72978527	rs11637927	15	72978531	A	C	0.0606362	-0.0243326	0.0171119	0.155036	0.69659	0.108734	1.49E-10	-0.034931	0.0251631	0.1650809	0.4904702	5	0.70176507
ENSG00000067221	15	STOML1	74275547	rs11072458	15	74256407	G	A	0.593439	0.0166815	0.00835272	0.045811	-0.301608	0.0439752	6.95E-12	-0.0553085	0.0288442	0.055175	0.08254423	13	0.54765098
ENSG00000179335	15	CLK3	74890841	rs11853859	15	74890842	A	G	0.0437376	-0.0386609	0.0199539	0.0526829	-0.413769	0.0740822	2.33E-08	0.0934359	0.0510439	0.0671752	0.892109	3	0.56065982
ENSG00000140497	15	SCAMP2	75136071	rs1350193	15	75084281	C	G	0.686879	-0.0095581	0.00856649	0.264529	0.24445	0.0423789	8.01E-09	-0.0391003	0.0356935	0.2733214	0.04339029	18	0.78797768
ENSG00000140400	15	MAN2C1	75648133	rs7171507	15	75737287	C	T	0.2833	-0.0003879	0.0100034	0.969065	0.359817	0.0472013	2.48E-14	-0.0010782	0.0278017	0.9690658	0.08232137	12	0.99005812
ENSG00000169371	15	SNUPN	75890424	rs111513934	15	75636490	A	G	0.237575	-0.0043672	0.00883798	0.621209	-0.498672	0.0576902	5.43E-18	0.0087576	0.017752	0.6217786	0.3393938	13	0.91852725
ENSG00000246877	15	DNM1P35	76020011	rs12904654	15	76030993	G	A	0.285288	0.00902597	0.00864058	0.296207	-0.457654	0.0675856	1.27E-11	-0.0197223	0.0191035	0.3018893	0.065389	20	0.80750206
ENSG00000260288	15	RP11-24M17.4	76030161	rs12900007	15	76030270	A	G	0.275348	0.00925594	0.00864316	0.284215	0.436153	0.0698097	4.16E-10	0.0212218	0.0201058	0.2911946	0.01723173	11	0.80201273
ENSG00000167196	15	FBXO22	76196200	rs147802814	15	76369503	A	G	0.0149105	-0.0282157	0.0388341	0.467491	-0.944635	0.154885	1.07E-09	0.0298694	0.0414009	0.4706212	0.4835664	15	0.87541091
ENSG00000169752	15	NRG4	76228310	rs4886747	15	76151081	A	G	0.802187	0.00937049	0.0103566	0.365579	1.12161	0.0872005	7.32E-38	0.0083545	0.00925651	0.3667626	0.5332117	20	0.83463738
ENSG00000260685	15	RP11-326L17.1	76242805	rs4886747	15	76151081	A	G	0.802187	0.00937049	0.0103566	0.365579	0.837092	0.0985005	1.92E-17	0.0111941	0.012442	0.3682801	0.5100128	7	0.83463738
ENSG00000140386	15	SCAPER	76640526	rs56339024	15	77015200	C	T	0.310139	0.00134079	0.00864355	0.876727	0.479393	0.0617707	8.44E-15	0.00279685	0.0180338	0.8767509	0.3436463	20	0.97689669
ENSG00000269951	15	RP11-797A18.6	77359996	rs33940778	15	77360023	A	C	0.280318	-0.0076769	0.00919062	0.403549	0.616186	0.100439	8.52E-10	-0.0124588	0.0150529	0.4078607	0.2951212	4	0.84800261
ENSG00000173517	15	PEAK1	77400471	rs11630540	15	77833625	A	G	0.373757	-0.0120158	0.00825253	0.145388	0.351077	0.0517097	1.13E-11	-0.0342255	0.0240408	0.1545493	0.2679297	20	0.69271049
ENSG00000259362	15	RP11-307C19.1	77817882	rs8033067	15	77825495	T	G	0.303181	-0.0186206	0.00855408	0.0294944	0.668498	0.0955623	2.64E-12	-0.0278544	0.0134012	0.03766311	0.1446359	18	0.50417602
ENSG00000169783	15	LINGO1	77905369	rs58331113	15	78208141	T	C	0.240557	-0.0121847	0.00957992	0.20341	-0.373916	0.0666863	2.06E-08	0.0325867	0.0262714	0.2148319	0.6130785	13	0.74800164
ENSG00000259666	15	RP11-307C19.3	77934106	rs8040318	15	77803660	C	A	0.301193	-0.018895	0.00856762	0.0274265	0.73816	0.104614	1.71E-12	-0.0255974	0.0121605	0.03529363	0.9082869	9	0.493629
ENSG00000260776	15	RP11-114H24.2	78206559	rs12913473	15	78205449	G	A	0.255467	-0.0129842	0.00950677	0.172005	-0.936247	0.0884762	3.62E-26	0.0138683	0.0102384	0.1755614	0.3218905	20	0.71162277
ENSG00000136425	15	CIB2	78396948	rs3784330	15	78420311	C	T	0.234592	-0.0021869	0.00915447	0.811192	0.503594	0.0830124	1.31E-09	-0.0043426	0.0181924	0.8113353	0.1658379	10	0.96881317
ENSG00000259562	15	RP11-762H8.2	78582869	rs12906684	15	78593263	T	A	0.484095	-0.0055247	0.00811906	0.496213	-0.403472	0.0662137	1.10E-09	0.0136929	0.0202481	0.4988767	0.9888012	6	0.88088085
ENSG00000169684	15	CHRNA5	78857862	rs77434238	15	78836726	C	T	0.626243	-0.0032663	0.00831849	0.694572	-0.569543	0.0741416	1.57E-14	0.00573498	0.0146246	0.6949505	0.9741436	20	0.93862719
ENSG00000259548	15	RP11-38G5.2	80124808	rs12904243	15	80132133	A	C	0.246521	-0.0054989	0.00959124	0.566422	1.0435	0.0991679	6.80E-26	-0.0052697	0.00920505	0.5669966	0.6554614	20	0.8967781
ENSG00000136371	15	MTHFS	80125927	rs59367695	15	80099202	A	G	0.0914513	-0.0180766	0.0168954	0.284657	-0.637518	0.113295	1.83E-08	0.0283547	0.0269766	0.2932211	0.8164963	6	0.80429723
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.95378	0.0686176	6.34E-44	-0.0046701	0.00850992	0.5831574	0.4685523	13	0.90146323
ENSG00000086666	15	ZFAND6	80351910	rs1522636	15	80414173	G	C	0.754473	0.00956259	0.00895242	0.28545	0.491505	0.0626934	4.51E-15	0.0194557	0.0183826	0.2898829	0.6640814	19	0.80049874
ENSG00000103876	15	FAH	80444832	rs11631583	15	80402616	T	A	0.754473	0.00967056	0.00895191	0.280018	0.898629	0.0854757	7.50E-26	0.0107615	0.0100142	0.2825446	0.6226246	20	0.79513447
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-0.388583	0.065489	2.96E-09	0.00144437	0.0266502	0.9567781	0.9692963	4	0.98968811
ENSG00000103888	15	KIAA1199	81071684	rs12594920	15	81184521	A	G	0.349901	-0.0024219	0.00853559	0.776612	0.534973	0.0770309	3.79E-12	-0.0045271	0.0159685	0.7767925	0.9813329	9	0.96317569
ENSG00000117899	15	MESDC2	81239667	rs56314660	15	81281900	A	G	0.141153	0.00524762	0.0149022	0.724736	0.581809	0.0788477	1.60E-13	0.00901949	0.0256427	0.7250355	0.2238285	4	0.94553222
ENSG00000188659	15	FAM154B	82555151	rs113413540	15	82581577	G	A	0.0337972	-0.0098845	0.0178084	0.578862	1.72258	0.213828	7.89E-16	-0.0057382	0.0103627	0.5797607	0.3679758	10	0.9004891
ENSG00000197978	15	GOLGA6L9	82722223	rs62011075	15	83043477	G	C	0.757455	-0.0123762	0.0109987	0.260486	-0.673578	0.0806886	6.95E-17	0.0183738	0.0164764	0.2647832	0.3112067	20	0.77910332
ENSG00000255769	15	RP11-152F13.3	82765134	rs62009945	15	83299956	A	T	0.302187	0.00079972	0.00845347	0.92463	0.573893	0.098628	5.93E-09	0.0013935	0.014732	0.9246402	0.55344	19	0.98393256
ENSG00000259429	15	UBE2Q2P3	83023847	rs11855144	15	82514296	G	C	0.632207	-0.0039826	0.00814853	0.625019	-0.300896	0.0551197	4.79E-08	0.0132358	0.0271892	0.6263984	0.624046	3	0.91925859
ENSG00000103723	15	AP3B2	83328033	rs4513065	15	83380848	G	C	0.185885	0.00317422	0.0117931	0.787807	0.363405	0.0541478	1.93E-11	0.00873466	0.0324778	0.7879736	0.2954657	20	0.96375538
ENSG00000169609	15	C15orf40	83657193	rs6603041	15	83670073	C	A	0.483101	-0.0102367	0.00806241	0.204199	-0.747448	0.0578054	3.03E-38	0.0136955	0.0108385	0.2063718	0.3174229	20	0.74155842
ENSG00000156218	15	ADAMTSL3	84322838	rs2099126	15	84292224	G	T	0.168986	-0.0046551	0.0111096	0.675207	-0.641957	0.08904	5.60E-13	0.00725137	0.017335	0.6757224	0.2168054	13	0.93468019
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.922051	0.134558	7.26E-12	0.0077923	0.0112746	0.4894771	0.05267163	14	0.87932853
ENSG00000230373	15	GOLGA6L5	85051116	rs2879974	15	85112461	A	C	0.764414	-0.0065364	0.00962903	0.497251	-0.50055	0.0909051	3.66E-08	0.0130584	0.0193825	0.5004888	0.560875	6	0.88088085
ENSG00000176700	15	SCAND2P	85174682	rs72630464	15	85298126	A	G	0.140159	0.00266709	0.0110756	0.809705	0.495408	0.0751135	4.24E-11	0.00538362	0.0223714	0.8098284	0.390027	10	0.96881317
ENSG00000177082	15	WDR73	85185999	rs28565484	15	85193727	G	T	0.818091	-0.0029217	0.0101411	0.773268	-0.519911	0.0930034	2.27E-08	0.00561954	0.0195313	0.7735618	0.4299418	8	0.96091429
ENSG00000181026	15	AEN	89164527	rs117218125	15	89164581	G	C	0.0298211	0.00344752	0.0162654	0.832143	1.62575	0.284164	1.06E-08	0.00212057	0.0100117	0.8322561	0.6791399	3	0.97278537
ENSG00000261478	15	RP11-429B14.4	90052192	rs12101521	15	90043983	G	A	0.345924	0.0019938	0.008381	0.811962	0.561759	0.073316	1.83E-14	0.00354921	0.0149264	0.8120512	0.6928459	5	0.96881317

ENSG00000157823	15	AP3S2	90373831	rs9920421	15	90368067	A	G	0.73161	0.0173711	0.00928143	0.0612618	-0.388622	0.071054	4.52E-08	-0.0446992	0.0252425	0.07659574	0.1809762	4	0.57594375
ENSG00000185043	15	CIB1	90773207	rs9744242	15	90776375	C	T	0.535785	-0.0104093	0.00808948	0.198176	0.345796	0.0452675	2.19E-14	-0.0301024	0.0237234	0.204479	0.5133451	20	0.74155842
ENSG00000183208	15	GDPGP1	90777040	rs9652500	15	90746993	G	A	0.187873	-0.0078627	0.00991945	0.427978	0.511243	0.0761334	1.88E-11	-0.0153796	0.0195373	0.4311697	0.7155132	19	0.86250564
ENSG00000213471	15	TTLL13	90792762	rs2048706	15	90801248	A	C	0.264414	-0.0113769	0.00912231	0.212343	-0.8173	0.0874959	9.54E-21	0.0139201	0.0112606	0.216391	0.8732735	20	0.75213767
ENSG00000140575	15	IQGAP1	90931450	rs16944424	15	90983465	G	A	0.17495	-0.0124461	0.0101313	0.219267	0.803596	0.0680516	3.52E-32	-0.015488	0.0126755	0.2217508	0.01428604	20	0.75497764
ENSG00000196547	15	MAN2A2	91445448	rs734252	15	91446472	C	T	0.362823	0.00612318	0.00841963	0.467072	-0.278478	0.0320737	3.87E-18	-0.021988	0.0303403	0.4686283	0.8114249	20	0.87393624
ENSG00000166965	15	RCCD1	91498100	rs3826033	15	91548601	A	G	0.138171	0.00349931	0.0112857	0.756511	0.984544	0.0819834	3.18E-33	0.00355424	0.0114667	0.7565894	0.4086997	20	0.95502521
ENSG00000258725	15	PRC1-AS1	91509575	rs2301826	15	91525197	T	C	0.214712	0.0119679	0.00977772	0.220953	-0.556355	0.0720665	1.16E-14	-0.0215113	0.0177941	0.2267024	0.7288695	20	0.75779347
ENSG00000260337	15	RP11-386M24.6	93138790	rs72760030	15	93321664	A	G	0.238569	0.00247261	0.00923462	0.788889	-0.621797	0.111206	2.25E-08	-0.0039766	0.0148685	0.7891243	0.8008701	7	0.96375538
ENSG00000185442	15	FAM174B	93160673	rs12593373	15	93324046	A	G	0.329026	0.0049259	0.0084585	0.560324	-0.370723	0.0638052	6.24E-09	-0.0132873	0.0229305	0.5622805	0.9096034	11	0.89657901
ENSG00000258741	15	RP11-386M24.4	93258989	rs11074097	15	93280894	G	A	0.564612	-0.0111368	0.00820972	0.174927	0.502737	0.089423	1.89E-08	-0.0221523	0.0167987	0.1872716	0.2962918	10	0.72629627
ENSG00000260361	15	CTD-2313J17.5	93322987	rs4778037	15	93322521	C	G	0.328032	0.00381018	0.00845112	0.652098	1.02902	0.0954295	4.14E-27	0.00370273	0.00821996	0.652382	0.7138556	20	0.92725626
ENSG00000140443	15	IGF1R	99192200	rs2593053	15	99500256	A	G	0.418489	0.0249626	0.00847234	0.00321536	-0.515869	0.0507719	2.97E-24	-0.0483894	0.0171	0.00465788	0.0001571	16	0.27554195
ENSG00000182253	15	SYNM	99638420	rs2623180	15	99739527	C	G	0.65507	-0.0111251	0.00818074	0.173856	-0.395404	0.0558313	1.42E-12	0.028136	0.0210676	0.1817078	0.8261031	14	0.72018284
ENSG00000103852	15	TTC23	99676528	rs8025136	15	99789951	C	A	0.472167	0.00230103	0.0081338	0.777256	-0.764793	0.0753514	3.32E-24	-0.0030087	0.0106394	0.7773398	0.1497329	20	0.96342048
ENSG00000183060	15	LYSMD4	100255902	rs35747287	15	100273607	C	G	0.682903	-0.0006434	0.00862168	0.940509	-0.791053	0.0741552	1.44E-26	0.0008134	0.0108993	0.9405101	0.5910482	20	0.9880402
ENSG00000154227	15	CERS3	100940600	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.77378	0.0955148	5.44E-16	0.00429432	0.010518	0.6830664	0.08696936	9	0.93468019
ENSG00000270127	15	RP11-526I2.5	101087972	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.94641	0.0737993	1.20E-37	0.00351102	0.00859291	0.6828374	0.2935277	20	0.93468019
ENSG00000259205	15	PRKXP1	101093734	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.825569	0.0793439	2.35E-25	0.00402493	0.00985328	0.6829164	0.2088638	19	0.93468019
ENSG00000184277	15	TM2D3	102161847	rs7495447	15	102233803	T	C	0.353877	-0.0207458	0.00843182	0.0138775	-0.403795	0.0563864	8.00E-13	0.0513771	0.0220795	0.01997012	0.6777337	20	0.40541454
ENSG00000185418	15	TARSL2	102193801	rs479913	15	102183336	A	T	0.516899	0.00894851	0.00808873	0.268599	0.550675	0.0554188	2.88E-23	0.0162501	0.0147795	0.27155	0.1214541	20	0.7853295
ENSG00000259658	15	RP11-89K11.1	102277302	rs1052887	15	102277480	C	G	0.225646	0.00968434	0.0100633	0.335875	0.545278	0.0948778	9.08E-09	0.0177604	0.0187123	0.3425553	0.9439974	6	0.82819565
ENSG00000185596	15	WASH3P	102501356	rs2203348	15	102366849	A	G	0.759443	0.0197164	0.00914337	0.0310556	-0.612454	0.105633	6.71E-09	-0.0321925	0.0159282	0.04326912	0.2502758	5	0.52475565
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-1.05572	0.0892601	2.82E-32	0.00469439	0.0100114	0.6391372	0.6166303	14	0.92237337
ENSG00000226942	16	IL9RP3	79336	rs28652789	16	83807	C	G	0.237575	-0.0047461	0.0105524	0.652879	-0.755102	0.109594	5.58E-12	0.00628538	0.0140045	0.6535689	0.841308	8	0.92725626
ENSG00000161980	16	POLR3K	96407	rs216594	16	103009	T	A	0.826044	-0.0111236	0.00997195	0.264642	-0.466305	0.0756669	7.16E-10	0.0238548	0.0217325	0.2723565	0.9982094	11	0.78599784
ENSG00000161981	16	SNRNP25	103010	rs2562145	16	103923	G	C	0.60338	-0.0022796	0.00840602	0.786252	-0.30848	0.0437251	1.73E-12	0.00738962	0.0272699	0.786406	0.5256968	14	0.96375538
ENSG00000007384	16	RHBDF1	108058	rs743724	16	113493	C	G	0.706759	-0.0098265	0.00950968	0.301459	-0.519085	0.0772002	1.77E-11	0.0189303	0.0185352	0.3071026	0.9547159	11	0.80828931
ENSG00000103148	16	NPRL3	134273	rs2562191	16	178543	A	G	0.382704	0.00270923	0.00818324	0.740592	-0.488681	0.0454862	6.36E-27	-0.005544	0.0167535	0.7407098	0.7453534	15	0.95039525
ENSG00000268836	16	LA16c-OS12.2	235747	rs12917880	16	266250	T	C	0.460239	0.0151652	0.00813329	0.0622386	0.38909	0.0609288	1.70E-10	0.0389761	0.0217762	0.07347816	0.5508445	19	0.56880371
ENSG00000103126	16	AXIN1	337440	rs214251	16	347326	A	G	0.213718	-0.0234845	0.0100069	0.0189339	-0.292513	0.0516471	1.48E-08	0.0802853	0.0370307	0.03015313	0.89176	16	0.46805881
ENSG00000129925	16	TMEM8A	420773	rs59253482	16	428001	C	A	0.538767	0.0197396	0.00810296	0.0148467	0.857865	0.0651571	1.38E-39	0.0230101	0.00960582	0.01660051	0.1655257	20	0.38434401
ENSG00000242612	16	DECR2	451826	rs3743890	16	456416	G	T	0.531809	-0.0119872	0.00811066	0.139419	-0.390388	0.0502484	7.90E-15	0.0307059	0.0211485	0.1465244	0.373696	20	0.68835807
ENSG00000127578	16	WFIKKN1	679239	rs2269557	16	677629	C	T	0.255467	0.0231466	0.00860613	0.00715501	0.607006	0.0548669	1.89E-28	0.0381324	0.0145909	0.00896388	0.2329811	20	0.34446388
ENSG00000262528	16	LA16c-349E10.1	705034	rs9936879	16	703721	C	A	0.379722	0.0192671	0.00806046	0.0168337	-0.622033	0.0691526	2.36E-19	-0.0309744	0.013408	0.02088001	0.3733699	20	0.40745848
ENSG00000162004	16	CCDC78	772582	rs4984921	16	774520	T	C	0.468191	0.00502263	0.0082422	0.542273	-0.636031	0.0648789	1.09E-22	-0.0078968	0.0129838	0.5430509	0.4990636	17	0.89016904
ENSG00000103245	16	NARFL	779753	rs2071951	16	783004	C	T	0.240557	-0.0005454	0.00866336	0.949806	0.716004	0.0682141	8.97E-26	-0.0007617	0.0120998	0.9498068	0.214453	19	0.98968811
ENSG00000127586	16	CHTF18	838046	rs3765266	16	840769	G	A	0.168986	-0.0180457	0.0113658	0.11235	-0.336516	0.0600261	2.07E-08	0.0536251	0.0351033	0.1266028	0.9396862	20	0.66944293
ENSG00000103227	16	LMF1	903634	rs9328933	16	987520	T	C	0.383698	-0.0015367	0.00854416	0.857263	-0.565518	0.0612481	2.63E-20	0.0027174	0.0151114	0.8572904	0.6763787	20	0.9761713
ENSG00000260316	16	LA16c-306A4.2	950520	rs7201247	16	995434	G	T	0.374751	-0.001546	0.00854145	0.856364	-0.548018	0.0634032	5.46E-18	0.00282115	0.0155895	0.8563953	0.2995084	20	0.9761713
ENSG00000095917	16	TPSD1	1306060	rs143547788	16	1280087	C	G	0.478131	0.00334249	0.00829572	0.687008	0.561566	0.0872887	1.25E-10	0.00595209	0.0148014	0.6875887	0.7808188	13	0.93565052
ENSG00000197599	16	CCDC154	1484384	rs11860968	16	1496613	C	T	0.0904573	0.00426268	0.0166405	0.797825	1.18418	0.111809	3.28E-26	0.00359969	0.0140564	0.7978828	0.4815145	20	0.96408387
ENSG00000103249	16	CLCN7	1494935	rs35280276	16	1510538	G	A	0.117296	0.00609205	0.0137995	0.658875	-0.559168	0.0745968	6.59E-14	-0.0108948	0.0247214	0.6594264	0.5615989	20	0.9296996
ENSG00000260051	16	LA16c-390E6.4	1501761	rs117346691	16	1523453	C	T	0.0695825	0.00215603	0.017159	0.900008	-0.502431	0.0846143	2.89E-09	-0.0042912	0.0341596	0.9000312	0.399667	16	0.98098987
ENSG00000100726	16	TELO2	1543345	rs113558828	16	1562754	A	G	0.0675944	0.017254	0.0221755	0.43653	-0.572089	0.104441	4.31E-08	-0.0301596	0.0391514	0.4411022	0.8881419	3	0.86490094
ENSG00000187535	16	IFT140	1560428	rs2235641	16	1608177	G	A	0.252485	-0.0026303	0.00908742	0.772241	0.285427	0.0464719	8.15E-10	-0.0092154	0.0318733	0.7724854	0.6833432	15	0.9604506
ENSG00000099769	16	IGFALS	1840414	rs28535859	16	1854101	A	G	0.104374	0.0211905	0.0145433	0.145098	0.993847	0.136519	3.34E-13	0.0213217	0.0149236	0.1530827	0.3485031	20	0.69271049
ENSG00000063854	16	HAGH	1845621	rs3760038	16	1874717	T	C	0.213718	-0.0062092	0.00995902	0.532972	0.48726	0.0571913	1.60E-17	-0.0127431	0.0204935	0.534064	0.8716083	20	0.88710629
ENSG00000180185	16	FAHD1	1876968	rs3925437	16	1895375	G	A	0.180915	-0.0007144	0.00929753	0.938754	1.19743	0.0855003	1.45E-44	-0.0005966	0.00776469	0.9387549	0.5451365	18	0.9880402
ENSG00000255513	16	AC005363.9	2013746	rs72764893	16	2013756	C	T	0.130219	-0.0005729	0.0118637	0.961482	1.24782	0.116587	9.86E-27	-0.0004592	0.00950764	0.9614826	0.6655687	20	0.98973237
ENSG00000255198	16	SNHG9	2014960	rs2302177	16	2014979	T	G	0.549702	-0.0014375	0.00806743	0.858578	0.31923	0.0453397	1.91E-12	-0.004503	0.0252796	0.858622	0.4881821	5	0.9761713
ENSG00000065054	16	SLC9A3R2	2075357	rs1800718	16	2138218	C	A	0.235586	0.0148138	0.00933006	0.112344	-0.286958	0.050663	1.48E-08	-0.0516236	0.033767	0.1263094	0.6083784	4	0.66875442
ENSG00000167965	16	MLST8	2254249	rs26864	16	2253918	T	C	0.400596	-0.0110809	0.00815178	0.174044	0.49253	0.0529904	1.48E-20	-0.0224979	0.0167269	0.1786204	0.226014	20	0.71466724
ENSG00000205937	16	RNPS1	2303117	rs11642797	16	2317778	G	T	0.407555	-0.0125407	0.00824143	0.128093	-0.454308	0.0465715	1.75E-22	0.027604	0.01836	0.1327143	0.5601548	9	0.67495201
ENSG00000260778	16	MIR940	2318156	rs12599229	16	2323394	A	G	0.400596	-0.0113421	0.0082307	0.168197	0.35635	0.05615	2.20E-10	-0.0318285	0.0236355	0.178095	0.5445951	4	0.71466724
ENSG00000167972	16	ABCA3	2325882	rs12599229	16	2323394	A	G	0.400596	-0.0113421	0.0082307	0.168197	-0.340517	0.0541576	3.23E-10	0.0333085	0.0247449	0.1782787	0.7801552	8	0.71466724
ENSG00000261613	16	RP11-20I23.13	2604061	rs12185166	16	2713728	T	C	0.261431	0.00710752	0.0091735	0.438465	1.16098	0.112678	6.79E-25	0.006122	0.00792382	0.439755	0.611763	13	0.86418942
ENSG00000260176	16	CTD-3126B10.4	2694085	rs11642783	16	2705523	C	T	0.406561	0.00744548	0.00844911	0.378202	-0.799	0.102394	6.04E-15	-0.0093185	0.0106418	0.381221	0.1617433	5	0.83846816
ENSG00000260565	16	ERVK13-1	2710350	rs4283228	16	2716435	G	A	0.403579	0.00771816	0.00846892	0.36211	-0.883895	0.0634547	4.19E-44	-0.008732	0.00960185	0.3631354	0.486135	13	0.83426107
ENSG00000172460	16	PRSS30P	2889569	rs886287	16	2916791	C	G	0.409543	0.00287241	0.00858827	0.738035	-0.563685	0.0910733	6.04E-10	-0.0050958	0.0152582	0.7384021	0.7387418	7	0.9491756
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	1.0791	0.0690245	4.30E-55	0.00760891	0.00760823	0.3172678	0.3689378	20	0.81725858
ENSG00000262482	16	LA16c-321D4.2	2989715	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.491428	0.0878921	2.25E-08	0.016708	0.016938	0.3239262	0.4910799	10	0.81991944
ENSG00000127564	16	PKMYT1	3018025	rs2526273	16	3052578	T	C	0.634195	-0.0078568	0.00826617	0.341871	0.577302	0.0700043	1.63E-16	-0.0136095	0.0144134	0.345055	0.3224098	12	0.83006011
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2717705	16	3053466	C	G	0.615308	-0.0102985	0.00819718	0.20899	0.64651	0.0741159	2.71E-18	-0.0159294	0.01281	0.213678	0.5484722	13	0.74778176
ENSG00000205890	16	RP11-473M20.5	3082482	rs2360167	16	3096159	T	G	0.232604	-0.0040688	0.00880859	0.644144	0.450038	0.0821488	4.29E-08	-0.009041	0.0196424	0.6453148	0.09154794	4	0.92641321
ENSG00000263072	16	RP11-473M20.14	3166043	rs11649450	16	3181996	A	G	0.374751	0.0164587	0.00855509	0.0543726	0.439531	0.0549099	1.20E-15	0.0374461	0.0200184	0.06140326	0.2392797	15	0.55267744
ENSG00000228146	16	CASP16	3194220	rs741943	16	3171894	G	C	0.397614	0.0156908	0.00849283	0.0646696	-0.52208	0.0821299	2.06E-10	-0.0300544	0.0169404	0.07604299	0.1965012	9	0.57457094
ENSG00000262521	16	AJ003147.8	3231233	rs8049746	16	3244096	T	C	0.227634	0.0134538	0.00977263	0.16861	-0.672537	0.106585	2.79E-10	-0.0200045	0.0148728	0.1786123	0.200187	10	0.71466724
ENSG00000010539	16	ZNF200	3272325	rs116897782	16	3285507	C	G	0.338966	-0.0113862	0.00828487	0.169337	0.441616	0.0685851	1.20E-10	-0.025783	0.0191829	0.1789284	0.06315623	6	0.71466724
ENSG00000167981	16	ZNF597	3486104	rs57077984	16	3491490	A	C	0.214712	0.0168032	0.0102509	0.101171	0.458455	0.0832128	3.60E-08	0.0366518	0.0233283	0.1161529	0.8492649	4	0.65779296
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	0.82663	0.0972666	1.92E-17	0.0224649	0.0171462	0.1901277	0.00049499	20	0.72847268
ENSG00000167984	16	NLRC3	3589033	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	-1.13046	0.100589	2.64E-29	-0.0164271	0.0124739	0.1878658	2.22E-05	20	0.72629627
ENSG00000188827	16	SLX4	3631182	rs8061528	16	3656482	T	C	0.197813	-0.0089568	0.0107504	0.404756	-0.361995	0.0430366	4.05E-17	0.0247428	0.029843	0.4070481	0.0072833	20	0.84699128
ENSG00000213918	16	DNASE1	3661729	rs12924990	16	3661815	C	T	0.175944	0.0032603	0.0110342	0.767634	0.257155	0.0434236	3.18E-09	0.0126783	0.0429621	0.7679135	0.4246109	3	0.95821133
ENSG00000126602	16	TRAP1	3701640	rs4786429	16	3728517	T	C	0.715706	0.00050418	0.00957198	0.957993	0.9482	0.0904847	1.08E-25	0.00053172	0.010095	0.9579937	0.02738619	11	0.98968811
ENSG00000262185	16	RP11-462G12.1	3997610	rs2238435	16	4014282	G	C	0.614314	-0.0039993	0.00815217	0.623723	-0.646296	0.11346	1.22E-08	0.00618802	0.0126604	0.6250042	0.8131418	4	0.91925859
ENSG00000153406	16	NMRAL1	4511681	rs2270363	16	4526292	G	A	0.722664	0.00096152	0.00926574	0.917351	-1.07957	0.0728762	1.19E-49	-0.0008907	0.00858302	0.9173527	0.4848246	20	0.98098987
ENSG00000089486	16	CDIP1	4560676	rs6500614	16	4573938	G	A	0.708748	0.00103665	0.00925277	0.910795	-0.771316	0.0592629	1.00E-38	-0.001344	0.0119965	0.9107976	0.3792682	20	0.98098987
ENSG00000102858	16	MGRN1	4666494	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	1.01372	0.0672103	2.10E-51	0.00521499	0.00810205	0.5197941	0.6814114	20	0.88693216
ENSG00000168101	16	NUDT16L1	4743695	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	0.26023	0.0407324	1.67E-10	0.0203149	0.0316925	0.5215234	0.2454087	20	0.88693216
ENSG00000103199	16	ZNF500	4798240	rs4786546	16	4814767	A	G	0.604374	0.0143748	0.00831206	0.0837394	-0.677725	0.06354	1.47E-26	-0.0212104	0.0124248	0.08780395	0.2319011	20	0.60271455
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	1.00771	0.0809158	1.33E-35	0.00392785	0.00808179	0.6269589	0.08490894	20	0.91925859
ENSG00000267795	16	SMIM22	4838398	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.836939	0.0756529	1.90E-28	0.00472929	0.0097328	0.627029	0.5046685	20	0.91925859
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	1.2599	0.100791	7.45E-36	-0.0164962	0.00817665	0.04364636	0.01020745	20	0.52475565
ENSG00000267072	16	RP11-165E7.1	5060910	rs9924614	16	5115228	T	C	0.314115	0.00345202	0.00839034	0.680758	-0.8119	0.103481	4.30E-15	-0.0042518	0.0103484	0.6811727	0.3732988	16	0.93468019
ENSG00000033011	16	ALG1	5083703	rs1047732	16	5132636	T	C	0.49503	0.00986268	0.00814008	0.225658	0.355039	0.057435	6.35E-10	0.0277791	0.0233635	0.2344415	0.5370489	8	0.76051447
ENSG00000153446	16	C16orf89	5094123	rs9924614	16	5115228	T	C	0.314115	0.00345202	0.00839034	0.680758	-0.52992	0.0785712	1.54E-11	-0.0065142	0.0158627	0.6813186	0.1360094	5	0.93468019
ENSG00000067365	16	METTL22	8715540	rs77761039	16	8744970	T	C	0.119284	0.00824544	0.015912	0.604327	-1.23048	0.101657	1.00E-33	-0.006701	0.0129434	0.6046565	0.3356523	20	0.91287911
ENSG00000261810	16	RP11-895K13.2	10127541	rs7184748	16	10125512	G	A	0.261431	-0.0144892	0.00917001	0.114091	-0.674936	0.0896548	5.15E-14	0.0214675	0.0138825	0.1220152	0.1316362	20	0.66559302
ENSG00000263033	16	RP11-396B14.2	11290034	rs40366	16	11297737	G	T	0.355865	-0.0044969	0.00827998	0.587055	-0.399296	0.0588848	1.19E-11	0.0112621	0.0208029	0.5882499	0.6442966	16	0.90455838
ENSG00000263179	16	HNRNPCP4	11336510	rs1646067	16	11319045	A	G	0.707753	-5.19E-05	0.00851162	0.995131	-0.695367	0.0997987	3.22E-12	7.47E-05	0.0122405	0.9951312	0.6719423	18	0.99876374
ENSG00000175643	16	RMI2	11343476	rs7187741	16	11433103	C	G	0.481113	0.00450979	0.00813173	0.579174	0.662729	0.0856664	1.02E-14	0.00680488	0.0123016	0.5801456	0.2959659	20	0.9004891
ENSG00000188897	16	CTD-3088G3.8	11453702	rs8052068	16	11495560	T	C	0.219682	0.00850073	0.0107083	0.427285	0.837696	0.119805	2.71E-12	0.0101478	0.0128652	0.430242	0.8805235	16	0.86250564
ENSG00000189067	16	LITAF	11641853	rs17552324	16	11681042	G	C	0.34493	0.00725806	0.00829226	0.38142	0.526337	0.0743985	1.50E-12	0.0137898	0.0158748	0.3850341	0.3721957	9	0.84018623
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.23686	0.0849571	5.15E-48	0.00445563	0.0065344	0.4953195	0.03356301	20	0.88088085
ENSG00000048462	16	TNFRSF17	12058964	rs34959638	16	12070207	A	G	0.312127	-0.0066453	0.00842541	0.430277	0.725317	0.113796	1.84E-10	-0.0091619	0.0117048	0.4337753	0.04313322	20	0.86298249
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.534324	0.0851726	3.53E-10	0.0336142	0.0162371	0.03843189	0.5194403	6	0.50417602
ENSG00000085721	16	RRN3	15153879	rs8060236	16	15177695	A	T	0.592445	0.00689856	0.00819943	0.400154	-0.405935	0.0620097	5.90E-11	-0.0169942	0.020365	0.4040091	0.01488328	6	0.84514002
ENSG00000260735	16	RP11-72I8.1	15188268	rs2966179	16	15179686	T	C	0.728628	-0.0153965	0.00933017	0.0989054	-0.870547	0.0867986	1.13E-23	0.017686	0.0108617	0.1034631	0.04003376	20	0.63826532
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	0.902894	0.0997434	1.40E-19	-0.0198926	0.00933306	0.03305527	0.3202818	20	0.48597966
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.873505	0.0992378	1.34E-18	0.00176989	0.0105283	0.8664983	0.4148023	20	0.9761713
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.947204	0.0814669	3.01E-31	-0.0167953	0.0115097	0.1445001	0.9651722	15	0.68835807
ENSG00000227827	16	RP11-958N24.2	16450081	rs2007413	16	16308675	T	C	0.202783	0.0134307	0.0125017	0.282684	1.03699	0.116735	6.49E-19	0.0129516	0.0121436	0.2861802	0.574493	14	0.79513447
ENSG00000006007	16	GDE1	19513015	rs13338528	16	19489849	C	T	0.156064	0.0144821	0.0128767	0.260728	0.37541	0.0636222	3.62E-09	0.0385768	0.0349179	0.2692525	0.5923804	6	0.7823143
ENSG00000103550	16	KNOP1	19714902	rs720175	16	19721731	G	A	0.163022	0.0277792	0.011499	0.0157011	0.954025	0.0884611	4.07E-27	0.0291179	0.0123518	0.01840472	0.09465209	20	0.39696075
ENSG00000261195	16	CTD-2380F24.1	19772494	rs4780823	16	19735900	G	C	0.162028	0.0219748	0.0115209	0.0564716	-0.655722	0.102249	1.43E-10	-0.0335124	0.0183305	0.06751431	0.07357037	3	0.56120414
ENSG00000166743	16	ACSM1	20634559	rs2341643	16	20715222	G	A	0.587475	0.010681	0.00818644	0.191989	-0.632007	0.0740483	1.40E-17	-0.0169001	0.0131036	0.1971422	0.7271289	11	0.73350751
ENSG00000066654	16	THUMPD1	20744986	rs11863657	16	20849213	G	A	0.717694	0.0177454	0.00940817	0.0592721	0.353039	0.0518503	9.84E-12	0.0502647	0.0276527	0.06910799	0.8564955	7	0.56129172
ENSG00000005189	16	AC004381.6	20817751	rs12325560	16	20909404	T	C	0.583499	0.0106168	0.00817809	0.194216	-0.506033	0.0670368	4.40E-14	-0.0209804	0.0163984	0.20075	0.5682139	14	0.73723461
ENSG00000262983	16	AF001550.7	21206168	rs2075521	16	21222941	A	C	0.480119	-0.0209641	0.00814122	0.0100224	0.545889	0.0699575	6.04E-15	-0.0384036	0.0157048	0.01447134	0.3924988	9	0.37299146
ENSG00000103310	16	ZP2	21208773	rs2075521	16	21222941	A	C	0.480119	-0.0209641	0.00814122	0.0100224	0.435537	0.0540362	7.62E-16	-0.0481339	0.0196232	0.0141704	0.3281528	6	0.37299146
ENSG00000260306	16	RP11-645C24.5	21805416	rs4783352	16	21822469	G	A	0.199801	-0.0374486	0.00908361	3.75E-05	-0.910486	0.0900457	4.92E-24	0.0411303	0.0107741	0.00013479	0.04678591	20	0.11723299
ENSG00000248124	16	RRN3P1	21807951	rs36023215	16	21830626	A	C	0.187873	-0.0187894	0.00954679	0.0490524	-0.533963	0.0728394	2.29E-13	0.0351886	0.0185123	0.05732518	0.00294385	14	0.5488752
ENSG00000260973	16	RP11-105C19.2	22621852	rs62047196	16	22089891	A	G	0.0526839	-0.0360998	0.0231556	0.118995	1.88081	0.297589	2.61E-10	-0.0191938	0.0126805	0.1301174	0.2083812	3	0.67376577
ENSG00000166828	16	SCNN1G	23194036	rs4967946	16	23120003	T	C	0.213718	-0.0151881	0.00961967	0.114368	-0.967058	0.108393	4.59E-19	0.0157055	0.0101019	0.1200171	0.05952492	18	0.66559302
ENSG00000103356	16	EARS2	23533335	rs457964	16	23587924	A	G	0.151093	-0.0098547	0.00980301	0.314767	-0.540582	0.0859423	3.17E-10	0.0182297	0.0183643	0.3208697	0.0952261	9	0.81748223
ENSG00000262587	16	RP11-266L9.4	25043202	rs7404350	16	25044449	C	T	0.667992	-0.0033685	0.00934546	0.718517	0.650481	0.116206	2.17E-08	-0.0051785	0.0143968	0.7190734	0.4997488	4	0.94380637
ENSG00000262700	16	RP11-266L9.3	25104708	rs7498466	16	25091410	A	G	0.592445	0.00340005	0.00825807	0.680542	0.762364	0.10309	1.41E-13	0.00445988	0.010849	0.6810081	0.5622782	11	0.93468019
ENSG00000103522	16	IL21R	27413483	rs12102783	16	27733715	T	C	0.15507	0.0362839	0.0122216	0.00298937	-1.14456	0.132241	4.92E-18	-0.0317012	0.0112887	0.00498161	0.06052336	14	0.27554195
ENSG00000259954	16	IL21R-AS1	27458990	rs2097692	16	27593587	A	T	0.841948	-0.0377699	0.0122808	0.00210136	1.22849	0.094888	2.45E-38	-0.030745	0.0102749	0.00276925	0.05645669	20	0.24670388
ENSG00000233232	16	NPIPB7	28467693	rs79533802	16	28617794	C	T	0.333996	-0.008297	0.00816421	0.309503	-0.567297	0.0732164	9.32E-15	0.0146255	0.0145147	0.3136294	0.8097157	20	0.81455426
ENSG00000176046	16	NUPR1	28548606	rs4149398	16	28608938	G	C	0.317097	-0.0099964	0.00811997	0.218291	0.498557	0.0638073	5.56E-15	-0.0200506	0.0164879	0.2239526	0.9394265	20	0.75497764
ENSG00000197165	16	SULT1A2	28603264	rs181209	16	28514854	T	G	0.290258	-0.0094382	0.00818116	0.248645	0.656248	0.115721	1.42E-08	-0.014382	0.0127219	0.258269	0.9704551	7	0.77529567
ENSG00000196502	16	SULT1A1	28616903	rs4149398	16	28608938	G	C	0.317097	-0.0099964	0.00811997	0.218291	-0.56328	0.0963543	5.04E-09	0.0177468	0.0147317	0.2283327	0.9850558	9	0.75779347
ENSG00000196993	16	NPIPB9	28763108	rs111820348	16	28645127	T	C	0.233598	-0.0066055	0.00898564	0.46227	-0.757826	0.118347	1.52E-10	0.00871635	0.011935	0.4651956	0.8031142	20	0.87208214
ENSG00000251417	16	RP11-1348G14.4	28814097	rs11864107	16	28885931	C	T	0.329026	-0.0097962	0.00816888	0.230449	-0.460492	0.079662	7.44E-09	0.0212732	0.0181172	0.2403139	0.9001703	17	0.76519531
ENSG00000261766	16	RP11-22P6.2	28873487	rs34835	16	28499291	G	A	0.350895	-0.0076436	0.00805972	0.342943	-0.454718	0.0799841	1.31E-08	0.0168095	0.0179696	0.349562	0.859601	19	0.83203655
ENSG00000103472	16	RRN3P2	29086163	rs35181256	16	29093132	C	T	0.533797	-0.0115649	0.00813728	0.15525	-0.516467	0.0890168	6.56E-09	0.0223923	0.0162215	0.1674598	0.8817388	17	0.7037325
ENSG00000183336	16	BOLA2	29464914	rs4788408	16	30340674	G	A	0.431412	-0.0108318	0.00826638	0.19008	-0.460713	0.0820019	1.93E-08	0.0235109	0.0184241	0.2019213	0.266766	6	0.73881561
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.606651	0.0828455	2.43E-13	0.0171598	0.0148208	0.2469378	0.3848823	10	0.77232932
ENSG00000169592	16	INO80E	30006615	rs4788204	16	29995218	A	G	0.442346	-0.0272011	0.008211	0.00092378	-0.408623	0.0530213	1.29E-14	0.0665677	0.0218721	0.00233845	0.9088301	14	0.22354904
ENSG00000090238	16	YPEL3	30103635	rs11642399	16	30059593	G	T	0.465209	-0.0241138	0.00823728	0.00341806	0.415876	0.0427667	2.38E-22	-0.0579831	0.0206851	0.00506084	0.3042071	17	0.27554195
ENSG00000102886	16	GDPD3	30116131	rs8061772	16	30119525	A	C	0.857853	-0.0106478	0.0113307	0.347357	0.385228	0.055568	4.13E-12	-0.0276403	0.029682	0.3517431	0.02050644	13	0.83426107
ENSG00000261367	16	RP11-455F5.4	30118996	rs8061772	16	30119525	A	C	0.857853	-0.0106478	0.0113307	0.347357	-0.854312	0.149669	1.14E-08	0.0124636	0.0134415	0.3537978	0.5239863	3	0.83426107
ENSG00000261346	16	RP11-297C4.2	30488501	rs11574944	16	30509990	T	C	0.175944	0.0235314	0.0125631	0.0610604	0.804037	0.111751	6.25E-13	0.0292666	0.0161458	0.06988728	0.09539617	8	0.56266812
ENSG00000260487	16	RP11-297C4.3	30491909	rs11574944	16	30509990	T	C	0.175944	0.0235314	0.0125631	0.0610604	0.747913	0.099198	4.71E-14	0.0314628	0.0173081	0.06909442	0.0186522	7	0.56129172
ENSG00000261332	16	RP11-297C4.1	30510087	rs11574944	16	30509990	T	C	0.175944	0.0235314	0.0125631	0.0610604	0.737136	0.119112	6.07E-10	0.0319227	0.0178066	0.07301386	0.4513988	4	0.56880371
ENSG00000103549	16	RNF40	30773066	rs3747486	16	30786927	T	C	0.277336	-0.0103679	0.00931918	0.265908	0.285	0.0512117	2.62E-08	-0.0363786	0.0333459	0.275296	0.5011639	6	0.79080229
ENSG00000260911	16	RP11-196G11.2	31054471	rs17839567	16	31057945	G	A	0.368787	-0.004301	0.00824063	0.601725	0.465008	0.0604446	1.44E-14	-0.0092492	0.0177622	0.6025588	0.6799962	12	0.91184858
ENSG00000103510	16	KAT8	31127075	rs2855475	16	31147548	A	G	0.617296	-0.0073554	0.00829853	0.375428	0.387566	0.0404311	9.17E-22	-0.0189785	0.0215033	0.37746	0.4087955	20	0.83735401
ENSG00000178226	16	PRSS36	31150246	rs78924645	16	31154358	A	G	0.289264	-0.0101636	0.00861088	0.237871	0.851532	0.105654	7.65E-16	-0.0119357	0.0102201	0.2428618	0.6516965	7	0.76697574
ENSG00000260304	16	RP11-388M20.6	31193832	rs4889538	16	31206913	T	C	0.306163	0.005104	0.00828786	0.538	-0.515817	0.0724188	1.06E-12	-0.009895	0.0161274	0.5395118	0.7234163	6	0.88806557
ENSG00000177238	16	TRIM72	31225342	rs8056505	16	31214898	T	C	0.684891	-0.0051653	0.00828669	0.533067	0.410601	0.0593251	4.48E-12	-0.01258	0.0202635	0.53472	0.4117836	4	0.88710629
ENSG00000176723	16	ZNF843	31445569	rs8045738	16	31449998	G	T	0.719682	-0.0005694	0.00849174	0.946543	0.739381	0.096698	2.07E-14	-0.0007701	0.0114854	0.9465449	0.0193057	20	0.98959553
ENSG00000140682	16	TGFB1I1	31482906	rs10596	16	31488916	G	C	0.446322	-0.0238821	0.00825362	0.00380943	0.762703	0.082485	2.32E-20	-0.0313125	0.011339	0.00575404	0.2134884	18	0.28830874
ENSG00000102910	16	LONP2	48278207	rs7185374	16	48450368	C	A	0.340954	0.0029476	0.00880395	0.737773	-0.282565	0.0496586	1.27E-08	-0.0104316	0.0312111	0.7382089	0.714821	4	0.9491756
ENSG00000259957	16	RP11-491F9.8	49328797	rs41214	16	49324739	G	T	0.744533	-0.018441	0.00942113	0.0502991	0.416254	0.0630547	4.07E-11	-0.0443023	0.0236071	0.0605661	0.993247	10	0.55267744
ENSG00000260769	16	RP11-491F9.5	49371078	rs27864	16	49365056	A	G	0.44831	-0.0075519	0.00851522	0.37515	0.341104	0.058128	4.41E-09	-0.0221395	0.0252472	0.380536	0.7254036	5	0.83846816
ENSG00000155393	16	HEATR3	50099852	rs2287197	16	50106594	C	T	0.709742	0.00101991	0.00953666	0.914832	1.054	0.0750687	8.81E-45	0.00096766	0.00904833	0.9148341	0.02294138	20	0.98098987
ENSG00000140807	16	NKD1	50582241	rs8054797	16	50419204	A	C	0.152087	0.00970617	0.00940127	0.30187	0.706405	0.0971655	3.59E-13	0.0137402	0.0134421	0.3066975	0.4642722	5	0.80826132
ENSG00000103479	16	RBL2	53467889	rs1861353	16	53452081	G	A	0.468191	0.00125328	0.00840608	0.881481	-0.59348	0.040488	1.19E-48	-0.0021118	0.0141648	0.8814871	0.7003614	20	0.97689669
ENSG00000166971	16	AKTIP	53524952	rs4002164	16	53525633	C	A	0.166998	0.0226174	0.0133605	0.0904836	-0.383253	0.0629734	1.16E-09	-0.0590143	0.0361843	0.1029036	0.06461409	6	0.63826532

ENSG00000125124	16	BBS2	56500748	rs922446	16	56393191	C	T	0.547714	-0.008227	0.00810632	0.310162	-0.432005	0.0569608	3.34E-14	0.0190437	0.0189317	0.314456	0.5940527	20	0.81455426
ENSG00000088682	16	COQ9	57481337	rs223877	16	57509164	G	A	0.747515	-0.0213459	0.00874305	0.0146278	-0.512783	0.06388	9.97E-16	0.0416276	0.0178214	0.01950051	0.6036122	20	0.40157332
ENSG00000102978	16	POLR2C	57496299	rs223877	16	57509164	G	A	0.747515	-0.0213459	0.00874305	0.0146278	-0.602423	0.0723752	8.53E-17	0.0354334	0.0151246	0.01914124	0.3040788	20	0.40097634
ENSG00000103037	16	SETD6	58549383	rs42945	16	58545426	G	A	0.557654	0.00972145	0.00816246	0.233655	-0.49043	0.0539546	9.93E-20	-0.0198223	0.0167857	0.2376419	0.3461854	10	0.76261277
ENSG00000103042	16	SLC38A7	58699013	rs150934149	16	58702860	T	G	0.153082	0.0014395	0.0109655	0.895557	-0.438087	0.070868	6.34E-10	-0.0032859	0.0250361	0.8955809	0.2172943	7	0.98098987
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.653075	0.0977317	2.35E-11	-0.0223827	0.0132894	0.09213161	0.1201748	7	0.61591409
ENSG00000172828	16	CES3	66995140	rs56387824	16	67009003	T	C	0.054672	-0.0140759	0.020458	0.491428	1.49321	0.153867	2.88E-22	-0.0094266	0.0137351	0.4925138	0.2136731	9	0.88088085
ENSG00000196123	16	KIAA0895L	67209505	rs57036977	16	67243445	C	T	0.0705765	0.0129059	0.0130917	0.324225	0.753714	0.0817437	2.96E-20	0.0171231	0.0174686	0.3269769	0.15452	20	0.82470658
ENSG00000102890	16	ELMO3	67233014	rs12923138	16	67233266	C	A	0.461233	-0.0144027	0.00809172	0.0750862	-0.995192	0.0722624	3.76E-43	0.0144723	0.00819844	0.07752203	0.05091585	20	0.57866171
ENSG00000124074	16	ENKD1	67696848	rs7187476	16	67699948	C	T	0.16501	0.0144872	0.0106171	0.172403	0.404319	0.0643469	3.31E-10	0.0358311	0.0268713	0.1823887	0.3759021	8	0.72018284
ENSG00000141084	16	RANBP10	67757005	rs7200950	16	67689752	T	C	0.0467197	-0.0238597	0.0243031	0.32622	-0.70322	0.104753	1.91E-11	0.0339292	0.0349274	0.331338	0.29503	20	0.82473356
ENSG00000132600	16	PRMT7	68344877	rs118081518	16	68385425	A	G	0.0705765	0.00989544	0.0157769	0.53052	-0.783067	0.0984789	1.84E-15	-0.0126368	0.0202102	0.5317948	0.6349084	20	0.88710629
ENSG00000103056	16	SMPD3	68392231	rs4783624	16	68409947	C	T	0.500994	0.00277085	0.00807533	0.731504	0.368422	0.0570071	1.03E-10	0.00752086	0.0219496	0.7318673	0.05598714	18	0.94811051
ENSG00000260084	16	RP11-615I2.1	68607685	rs11075683	16	68581477	G	A	0.213718	-0.0162905	0.0102977	0.11366	-0.615772	0.0925153	2.82E-11	0.0264554	0.0171891	0.1237846	0.1686087	8	0.66833899
ENSG00000141076	16	CIRH1A	69165194	rs79141311	16	69417047	T	C	0.0308151	0.0475852	0.0245356	0.0524493	-1.3826	0.161966	1.39E-17	-0.0344172	0.0181982	0.05859266	0.3094436	17	0.55118985
ENSG00000168807	16	SNTB2	69221032	rs11645913	16	69223549	A	G	0.230616	0.00866374	0.00945231	0.359366	-0.350625	0.0620872	1.63E-08	-0.0247094	0.0273112	0.3656058	0.0240981	10	0.83426107
ENSG00000132604	16	TERF2	69389464	rs8062127	16	69422686	T	C	0.245527	-0.001832	0.0100424	0.855247	-0.362694	0.0567439	1.64E-10	0.00505115	0.0276996	0.8553047	0.1194241	10	0.9761713
ENSG00000141101	16	NOB1	69775770	rs3811348	16	69782855	T	C	0.573559	0.0116225	0.00821582	0.157173	0.48563	0.0698257	3.53E-12	0.0239328	0.0172643	0.1656668	0.2440151	4	0.70208171
ENSG00000198373	16	WWP2	69796209	rs1862663	16	70048466	T	C	0.404573	-0.0042234	0.00809183	0.601714	0.35431	0.0578827	9.29E-10	-0.0119202	0.0229212	0.6030284	0.4384059	16	0.91222236
ENSG00000157322	16	CLEC18A	69984810	rs72789096	16	70147276	A	T	0.374751	-0.0028677	0.00815084	0.72497	-0.733688	0.0950941	1.21E-14	0.00390857	0.011121	0.7252434	0.07238585	20	0.94553222
ENSG00000226232	16	RP11-419C5.2	70010291	rs6499282	16	70034620	A	G	0.392644	-0.001859	0.00837967	0.824437	-0.80598	0.0737117	7.91E-28	0.00230646	0.010399	0.8244727	0.1371072	20	0.97052125
ENSG00000255185	16	PDXDC2P	70044654	rs3192882	16	69975631	T	A	0.397614	-0.0065461	0.0080862	0.418208	-0.48086	0.051067	4.67E-21	0.0136132	0.0168782	0.4199203	0.04630479	20	0.85707798
ENSG00000261556	16	RP11-296I10.6	70253477	rs2549082	16	70153162	G	A	0.543738	-0.0195029	0.00825218	0.0181096	-0.501202	0.0538902	1.40E-20	0.0389123	0.0169881	0.02198857	0.04081413	20	0.4128198
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.825965	0.0627788	1.56E-39	0.0292592	0.0102185	0.0041919	0.02814832	20	0.27554195
ENSG00000189091	16	SF3B3	70557691	rs8046881	16	70562511	T	G	0.420477	0.00473042	0.00840837	0.573717	-0.285598	0.0496441	8.77E-09	-0.0165632	0.0295817	0.5755383	0.00346908	15	0.9004891
ENSG00000140832	16	MARVELD3	71660064	rs2303225	16	71674882	G	C	0.32505	-0.0050527	0.00834269	0.544755	0.762535	0.0917449	9.45E-17	-0.0066261	0.0109697	0.5458194	0.05122738	20	0.89185323
ENSG00000040199	16	PHLPP2	71671738	rs9888756	16	71740477	A	G	0.835984	0.00610286	0.0113149	0.589633	-0.261955	0.0466737	1.99E-08	-0.0232974	0.0433931	0.5913426	0.3492988	4	0.90663738
ENSG00000102967	16	DHODH	72042487	rs3213422	16	72042682	C	A	0.49006	-0.0052152	0.00807601	0.518435	-0.446578	0.061928	5.54E-13	0.011678	0.0181566	0.5201036	0.00121236	6	0.88693216
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	1.37757	0.125559	5.24E-28	0.0064004	0.00743858	0.3895501	0.05515021	20	0.84301004
ENSG00000168411	16	RFWD3	74655292	rs6564132	16	74548007	A	G	0.44334	0.0080956	0.00805177	0.314684	-0.417943	0.0585453	9.41E-13	-0.0193701	0.0194554	0.3194362	0.4265542	20	0.81748223
ENSG00000103091	16	WDR59	74907468	rs8044320	16	75002056	G	A	0.422465	-9.76E-05	0.00806154	0.990343	-0.348857	0.0431375	6.11E-16	0.0002797	0.0231085	0.9903428	0.2679407	20	0.99856501
ENSG00000184517	16	ZFP1	75182390	rs12716781	16	75178430	T	A	0.33996	0.0119875	0.00833282	0.150266	-0.39645	0.0636805	4.80E-10	-0.0302371	0.0215724	0.1610186	0.992661	12	0.69993711
ENSG00000261783	16	RP11-252K23.2	75413716	rs2738814	16	75516282	A	C	0.648111	-0.0174962	0.00837417	0.0366809	-0.762424	0.107192	1.14E-12	0.0229481	0.0114477	0.04500466	0.3052234	20	0.52660935
ENSG00000135702	16	CHST5	75562433	rs2738819	16	75575692	A	G	0.27833	-0.0010355	0.00870461	0.905312	0.552228	0.0733117	4.97E-14	-0.001875	0.0157647	0.9053234	0.0211836	20	0.98098987
ENSG00000065457	16	ADAT1	75630879	rs59297469	16	75680507	G	T	0.32505	0.00471505	0.00847495	0.577971	0.511816	0.0490938	1.90E-25	0.00921239	0.0165821	0.5785111	0.06683994	20	0.9004891
ENSG00000152910	16	CNTNAP4	76311176	rs9319497	16	76419114	G	A	0.59841	-0.008495	0.00860115	0.32332	-0.424489	0.0608748	3.10E-12	0.0200123	0.0204646	0.328124	0.5634002	20	0.82470658
ENSG00000260922	16	RP11-538I12.3	77268774	rs62044018	16	77335270	T	C	0.501988	0.0112975	0.00807176	0.161624	0.54743	0.0767492	9.84E-13	0.0206373	0.015026	0.1696155	0.6877703	20	0.70660647
ENSG00000140873	16	ADAMTS18	77281710	rs78648070	16	77370604	C	A	0.126243	0.0227344	0.0160575	0.156831	0.839305	0.0977613	9.06E-18	0.0270872	0.0193903	0.1624305	0.4342718	20	0.69993711
ENSG00000261707	16	RP11-264M12.2	77775365	rs9927857	16	77784009	T	C	0.493042	0.00090394	0.00808163	0.910941	-0.670877	0.102038	4.87E-11	-0.0013474	0.0120481	0.9109541	0.6632586	5	0.98098987
ENSG00000261390	16	RP11-345M22.2	79750622	rs7196490	16	79752469	C	T	0.414513	0.0139839	0.00844975	0.0979332	-0.648193	0.107254	1.51E-09	-0.0215737	0.0135158	0.1104478	0.579613	5	0.65124473
ENSG00000140905	16	GCSH	81115566	rs16954513	16	81077204	A	T	0.0815109	0.00511089	0.0133022	0.700819	-0.490681	0.0865597	1.44E-08	-0.0104159	0.0271719	0.7014718	0.8874766	18	0.94116663
ENSG00000135698	16	MPHOSPH6	82181403	rs6420437	16	82187181	C	T	0.7833	-0.0154215	0.0106449	0.147416	-0.602057	0.0735536	2.72E-16	0.0256147	0.0179557	0.1537096	0.6982933	20	0.69271049
ENSG00000140943	16	MBTPS1	84087368	rs11642469	16	84090137	A	G	0.275348	0.019978	0.0093744	0.0330788	-0.474893	0.0655095	4.19E-13	-0.0420684	0.0205754	0.04089408	0.02512168	20	0.51210082
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.769234	0.0608905	1.39E-36	-0.0036019	0.0105064	0.7317273	0.1911516	20	0.94811051
ENSG00000140955	16	ADAD2	84224744	rs3785033	16	84219312	C	G	0.592445	0.00951075	0.00816165	0.243898	0.684203	0.098976	4.75E-12	0.0139005	0.012097	0.2505207	0.2425858	6	0.77306764
ENSG00000261286	16	RP11-517C16.2	84492865	rs35988241	16	84499065	A	G	0.0208748	-0.0345392	0.0225619	0.125803	1.55508	0.23698	5.31E-11	-0.0222106	0.0148981	0.1360054	0.6844252	7	0.67495201
ENSG00000135686	16	KLHL36	84682131	rs8053324	16	84694180	A	G	0.348907	0.00258427	0.00923431	0.77959	-0.193222	0.0353834	4.74E-08	-0.0133746	0.0478539	0.77987	0.2368722	4	0.96342048
ENSG00000153789	16	FAM92B	85131965	rs9939451	16	85187926	T	C	0.700795	-0.0060294	0.00852437	0.479376	-0.477679	0.0677256	1.75E-12	0.0126222	0.0179349	0.4815706	0.2304273	19	0.87804645
ENSG00000270020	16	RP11-463O9.9	86553989	rs9935567	16	86557584	T	G	0.604374	0.00281577	0.00846556	0.739425	-0.656993	0.0745101	1.17E-18	-0.0042858	0.0128945	0.7396036	0.1969598	20	0.950124
ENSG00000103264	16	FBXO31	87360593	rs889603	16	87404088	G	C	0.420477	0.0037629	0.00807719	0.64131	-0.394361	0.0469572	4.53E-17	-0.0095418	0.0205132	0.6418224	0.2989845	20	0.92466301
ENSG00000104731	16	KLHDC4	87730091	rs9934565	16	87764267	T	A	0.461233	0.00961517	0.00825818	0.244294	0.676458	0.0570343	1.90E-32	0.014214	0.0122667	0.2465578	0.05536149	20	0.77232932
ENSG00000260671	16	RP11-278A23.2	87773369	rs9934565	16	87764267	T	A	0.461233	0.00961517	0.00825818	0.244294	0.777879	0.101632	1.95E-14	0.0123608	0.0107384	0.2497	0.2325294	12	0.77306764
ENSG00000261744	16	RP11-21B21.4	88579368	rs55893441	16	88596848	T	A	0.0984095	-0.0053989	0.0118372	0.648322	-0.851006	0.14972	1.32E-08	0.00634413	0.0139544	0.6493726	0.4247832	4	0.92657692
ENSG00000158717	16	RNF166	88762903	rs112070238	16	88772746	T	C	0.410537	0.00519211	0.0082956	0.53139	-0.356182	0.0580124	8.26E-10	-0.0145771	0.023411	0.5335078	0.5487847	11	0.88710629
ENSG00000174177	16	CTU2	88772871	rs73262644	16	88775992	G	T	0.114314	-0.0300165	0.0177541	0.0908992	0.744886	0.114942	9.14E-11	-0.0402968	0.0246324	0.1018553	0.7920686	15	0.63826532
ENSG00000103335	16	PIEZO1	88781751	rs73251038	16	88845931	T	C	0.234592	0.0184292	0.0101022	0.0681099	-0.603131	0.103541	5.71E-09	-0.0305559	0.0175518	0.08170129	0.5251862	7	0.59111468
ENSG00000182376	16	RP5-1142A6.8	88809175	rs4782405	16	88811033	C	T	0.601392	-0.0128746	0.00817444	0.115261	0.578534	0.0856948	1.47E-11	-0.0222538	0.014509	0.1250797	0.3904133	16	0.66875442
ENSG00000167515	16	TRAPPC2L	88922628	rs12921479	16	88929207	C	T	0.353877	-0.0037413	0.00860544	0.663734	0.309905	0.0455689	1.04E-11	-0.0120725	0.0278247	0.6643764	0.9651505	11	0.93167988
ENSG00000256982	16	CTD-2555A7.2	89112580	rs74034553	16	89114993	G	T	0.0576541	0.00748723	0.0157872	0.635313	0.522706	0.090932	9.01E-09	0.014324	0.0303055	0.6364603	0.5894478	3	0.92237337
ENSG00000180422	16	LINC00304	89225554	rs11640375	16	89227817	G	A	0.251491	-0.018631	0.00863174	0.0308944	-0.808458	0.0780309	3.74E-25	0.0230451	0.010906	0.03459543	0.1427705	20	0.48886921
ENSG00000205015	16	RP11-46C24.3	89232791	rs35635608	16	89231549	A	G	0.184891	-0.0257915	0.0101578	0.0111142	-0.73132	0.0893446	2.71E-16	0.0352671	0.0145426	0.01530465	0.1301862	20	0.37555961
ENSG00000129910	16	CDH15	89238175	rs34284163	16	89248299	A	T	0.200795	-0.0169654	0.00981803	0.0839905	-0.361236	0.0611834	3.54E-09	0.0469649	0.0283191	0.09723361	0.5523796	20	0.63011258
ENSG00000259877	16	RP11-46C24.7	89281638	rs3803722	16	89284286	G	A	0.0626243	-0.013969	0.0182129	0.443091	-1.13097	0.129715	2.81E-18	0.0123513	0.016166	0.4448474	0.1153945	20	0.86795298
ENSG00000170100	16	ZNF778	89284118	rs8043697	16	89269068	G	C	0.182903	-0.0110442	0.0114309	0.333959	0.69608	0.0685425	3.13E-24	-0.0158663	0.016496	0.3361362	0.06306847	20	0.82540122
ENSG00000268218	16	AC137932.1	89334512	rs34139446	16	89325055	T	C	0.547714	0.0214088	0.00811072	0.00830118	0.310822	0.0553672	1.98E-08	0.068878	0.028835	0.01690826	0.654225	6	0.3877127
ENSG00000260279	16	AC137932.5	89363916	rs9937816	16	89314701	G	A	0.22664	-0.0107713	0.00913032	0.238107	0.41941	0.0667336	3.28E-10	-0.025682	0.0221496	0.2462613	0.6097381	7	0.77232932
ENSG00000131165	16	CHMP1A	89710839	rs34057012	16	89743083	A	G	0.328032	-0.0162003	0.00813304	0.046381	-0.371296	0.0673461	3.52E-08	0.0436318	0.0232903	0.06101451	0.9005274	6	0.55267744
ENSG00000167523	16	SPATA33	89724210	rs164742	16	89757725	G	A	0.606362	0.0125046	0.00818859	0.126742	-0.437896	0.0760927	8.68E-09	-0.0285561	0.019347	0.1399455	0.5089923	20	0.68436355
ENSG00000185324	16	CDK10	89747145	rs74613454	16	89895469	T	G	0.0894632	0.0103056	0.0148007	0.486246	-1.00927	0.09859	1.35E-24	-0.0102109	0.0146986	0.4872519	0.6733945	20	0.87851987
ENSG00000158805	16	ZNF276	89786808	rs62068372	16	89785107	C	T	0.235586	-0.0036027	0.00999169	0.718421	-0.443085	0.0657028	1.54E-11	0.00813095	0.0225825	0.7188057	0.533709	20	0.94380637
ENSG00000204991	16	SPIRE2	89884587	rs9927089	16	89880258	C	G	0.387674	-0.0107919	0.00814507	0.185186	0.395684	0.0470002	3.80E-17	-0.027274	0.0208382	0.1905849	0.6230694	20	0.72847268
ENSG00000141013	16	GAS8	90086037	rs76265950	16	90085139	C	A	0.084493	0.0142478	0.0167695	0.395533	1.68882	0.168118	9.62E-24	0.00843654	0.00996517	0.3972164	0.4311108	20	0.84421137
ENSG00000221819	16	C16orf3	90095316	rs76265950	16	90085139	C	A	0.084493	0.0142478	0.0167695	0.395533	1.47077	0.17241	1.46E-17	0.00968731	0.0114583	0.3978636	0.5624164	20	0.84421833
ENSG00000222019	16	URAHP	90106169	rs73283869	16	90067184	A	G	0.0695825	0.0181103	0.0179017	0.311705	0.861549	0.146333	3.92E-09	0.0210206	0.021083	0.3187447	0.5255784	6	0.81748223
ENSG00000272636	17	DOC2B	5810	rs12936617	17	132994	G	C	0.715706	-0.0124701	0.00920257	0.175396	-0.398749	0.0595068	2.07E-11	0.0312731	0.0235458	0.1841179	0.3793668	7	0.72271566
ENSG00000273172	17	AC108004.2	33615	rs55715614	17	49733	G	A	0.17992	-0.0026065	0.00998049	0.793973	-0.741717	0.130914	1.46E-08	0.00351408	0.0134702	0.794187	0.4985723	8	0.96375538
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	1.23209	0.0823925	1.47E-50	0.00960035	0.00759467	0.2061972	0.4986215	15	0.74155842
ENSG00000183688	17	FAM101B	289769	rs142432606	17	403890	A	C	0.0228628	-0.0165426	0.0256708	0.519307	1.28611	0.206823	5.02E-10	-0.0128625	0.0200669	0.5215354	0.9372858	20	0.88693216
ENSG00000141252	17	VPS53	411908	rs4968139	17	449447	G	A	0.425447	-0.0018654	0.00827031	0.821546	-0.680021	0.0728028	9.58E-21	0.00274318	0.0121654	0.8215977	0.8087615	16	0.96917311
ENSG00000231784	17	DBIL5P	655900	rs7210404	17	640145	C	T	0.259443	0.0135433	0.0102126	0.184792	-0.495829	0.0896565	3.20E-08	-0.0273145	0.0211809	0.1971971	0.5056242	4	0.73350751
ENSG00000262228	17	RP11-676J12.4	666805	rs2273453	17	680299	C	T	0.251491	0.0138029	0.0103378	0.181815	-0.541069	0.0840766	1.23E-10	-0.0255104	0.0195131	0.1910952	0.3497417	7	0.72847268
ENSG00000177370	17	TIMM22	900357	rs2586304	17	910636	G	A	0.753479	-0.0002487	0.00893391	0.977788	-0.506797	0.0700737	4.75E-13	0.00049081	0.0176283	0.977788	0.5637455	6	0.99269132
ENSG00000167711	17	SERPINF2	1646130	rs2070862	17	1648294	T	C	0.223658	-0.0023051	0.00992405	0.816323	0.755334	0.0813843	1.68E-20	-0.0030518	0.0131427	0.81638	0.9430542	7	0.96881317
ENSG00000108963	17	DPH1	1933404	rs869020	17	1945225	G	T	0.331014	3.69E-05	0.0082015	0.996414	0.424873	0.0504385	3.65E-17	8.68E-05	0.0193034	0.9964136	0.00332173	11	0.99876374
ENSG00000167720	17	SRR	2206677	rs3744270	17	2207326	A	G	0.341948	0.0117644	0.00853037	0.167857	-0.840915	0.0735349	2.78E-30	-0.01399	0.0102177	0.1709372	0.03825215	20	0.70823871
ENSG00000127804	17	METTL16	2308856	rs4790335	17	2318695	A	G	0.657058	0.00517685	0.00899136	0.564778	0.531618	0.0911144	5.39E-09	0.00973791	0.0169953	0.5666614	0.3003925	7	0.89662072
ENSG00000167723	17	TRPV3	3413796	rs2102213	17	3437266	T	C	0.620278	0.0103549	0.00902342	0.25115	-0.671099	0.0807152	9.22E-17	-0.0154298	0.0135732	0.2556296	0.6636406	16	0.77529567
ENSG00000197417	17	SHPK	3511556	rs62069928	17	3514598	T	C	0.241551	0.0136324	0.00925157	0.140611	0.841767	0.0816832	6.67E-25	0.016195	0.0111024	0.1446514	0.4347961	7	0.68835807
ENSG00000040531	17	CTNS	3539762	rs1048674	17	3564688	G	A	0.229622	-0.0099228	0.00915456	0.278402	-0.607684	0.0876639	4.15E-12	0.0163288	0.0152477	0.2842136	0.8595966	7	0.79513447
ENSG00000083454	17	P2RX5	3575493	rs1107400	17	3615496	G	A	0.523857	-0.0033923	0.00808256	0.674697	-0.411243	0.0578206	1.14E-12	0.00824897	0.0196882	0.67523	0.7324608	16	0.93468019
ENSG00000161905	17	ALOX15	4534197	rs11655203	17	4559393	C	T	0.735586	-0.0153936	0.0103932	0.138573	-0.730714	0.100767	4.12E-13	0.0210665	0.014517	0.1467348	0.8446271	15	0.68835807
ENSG00000161921	17	CXCL16	4636821	rs4471743	17	4633653	G	A	0.219682	0.003432	0.0104824	0.743361	0.43243	0.0741442	5.47E-09	0.00793654	0.0242789	0.7437501	0.7997699	3	0.95097907
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-1.27438	0.137814	2.31E-20	0.0109164	0.0105765	0.3020108	0.9972648	8	0.80750206
ENSG00000129219	17	PLD2	4710391	rs7212512	17	4713981	G	A	0.292247	-0.0093844	0.00897717	0.295855	0.395443	0.0418851	3.69E-21	-0.0237314	0.0228403	0.2987981	0.8143583	10	0.80667732
ENSG00000141503	17	MINK1	4736683	rs62073637	17	4791695	A	G	0.538767	0.00736041	0.00807312	0.361918	-0.191789	0.0332259	7.82E-09	-0.0383776	0.0426156	0.3678255	0.8066333	7	0.83463738
ENSG00000108556	17	CHRNE	4801069	rs59118134	17	4814537	A	G	0.2167	-0.0089542	0.00902692	0.321223	0.523254	0.0955824	4.39E-08	-0.0171126	0.0175324	0.3290374	0.3846043	15	0.82470658
ENSG00000205710	17	C17orf107	4802713	rs74550041	17	4816867	T	C	0.11829	-0.0010199	0.0119921	0.932222	0.692444	0.100326	5.13E-12	-0.0014729	0.0173198	0.9322273	0.6929971	9	0.98546106
ENSG00000108515	17	ENO3	4851387	rs238247	17	4845768	A	G	0.56163	0.00922557	0.00808743	0.253983	-0.517177	0.0790595	6.09E-11	-0.0178383	0.0158736	0.26111	0.764083	19	0.77529567
ENSG00000091640	17	SPAG7	4862521	rs16954304	17	4871518	C	T	0.082505	0.00772859	0.0134213	0.564718	0.654222	0.0838723	6.18E-15	0.0118134	0.0205707	0.5657768	0.370616	14	0.89657901
ENSG00000161929	17	SCIMP	5112256	rs2439945	17	5124462	T	C	0.171968	0.0057873	0.0109685	0.597756	0.887749	0.111268	1.48E-15	0.00651907	0.0123824	0.5985554	0.6514927	11	0.90850217
ENSG00000029725	17	RABEP1	5185558	rs1806265	17	5320044	A	T	0.440358	-0.0145284	0.00815026	0.0746552	0.274276	0.0425227	1.12E-10	-0.05297	0.0308294	0.08576696	0.9930796	20	0.59548107
ENSG00000108559	17	NUP88	5264258	rs9908179	17	5323631	G	A	0.37674	-0.0088476	0.00811918	0.275836	0.454671	0.0661686	6.36E-12	-0.0194594	0.0180804	0.2818062	0.3268531	18	0.79513447
ENSG00000179314	17	WSCD1	5675554	rs8075635	17	6040200	T	G	0.747515	-0.0092341	0.0103104	0.370459	-0.56954	0.0733848	8.43E-15	0.0162133	0.0182232	0.3736239	0.03598427	10	0.83735401
ENSG00000256806	17	AC004706.1	6555059	rs218662	17	6566940	A	G	0.483101	0.00642841	0.00806441	0.425373	-0.805946	0.0721949	6.15E-29	-0.0079762	0.0100316	0.4265502	0.8166858	18	0.8584192
ENSG00000132507	17	EIF5A	7210318	rs11658072	17	7214824	T	C	0.607356	0.00970848	0.0089914	0.280252	-0.271446	0.0400414	1.21E-11	-0.0357658	0.0335416	0.2862831	0.0399693	9	0.79513447
ENSG00000170175	17	CHRNB1	7348380	rs11656734	17	7426695	G	C	0.620278	-0.0056827	0.00808072	0.481903	-0.324471	0.0550638	3.80E-09	0.0175138	0.025081	0.4849964	0.7289256	14	0.87851987
ENSG00000239697	17	TNFSF12	7452208	rs34445439	17	7441756	T	C	0.285288	-0.004475	0.008854	0.613266	0.214152	0.0352348	1.22E-09	-0.0208962	0.0414872	0.6144875	0.7957121	13	0.9147172
ENSG00000141504	17	SAT2	7529552	rs7211847	17	7491910	A	G	0.38668	0.0041964	0.00835032	0.615285	0.330911	0.0419824	3.22E-15	0.0126814	0.0252856	0.6160015	0.4076433	9	0.91549513
ENSG00000108947	17	EFNB3	7608520	rs9906502	17	7615745	A	G	0.189861	-0.0047266	0.0102716	0.645397	-0.745545	0.110062	1.25E-11	0.00633983	0.0138091	0.6461575	0.2483618	18	0.92641321
ENSG00000183914	17	DNAH2	7620672	rs57727356	17	7644501	A	C	0.251491	-0.0213932	0.00977745	0.0286688	0.718569	0.116184	6.22E-10	-0.029772	0.0144332	0.0391378	0.8757316	3	0.50536048
ENSG00000170049	17	KCNAB3	7825177	rs4791443	17	7899310	A	G	0.49503	-0.0135618	0.0082851	0.101652	-0.660607	0.0688735	8.67E-22	0.0205293	0.012723	0.1066225	0.07099339	20	0.64397126
ENSG00000220205	17	VAMP2	8062467	rs9891949	17	8099183	A	G	0.657058	0.0082957	0.00923403	0.368981	0.264862	0.0452502	4.82E-09	0.0313208	0.0352718	0.3745488	0.1998267	9	0.83735401
ENSG00000178971	17	CTC1	8130191	rs3027235	17	8135446	A	G	0.0139165	-0.0063028	0.0466452	0.892515	1.20046	0.200589	2.17E-09	-0.0052504	0.038866	0.892542	0.9136483	6	0.98008589
ENSG00000184619	17	KRBA2	8271955	rs1695213	17	8279324	C	T	0.715706	-0.0091577	0.00836322	0.273517	0.451724	0.0540496	6.40E-17	-0.0202728	0.0186722	0.2776038	0.2737952	10	0.7930304
ENSG00000109047	17	RCVRN	9799637	rs1047342	17	9815580	C	T	0.558648	-0.0129882	0.00811323	0.109406	-0.857282	0.0766585	4.93E-29	0.0151504	0.00956037	0.1130317	0.07991298	20	0.65668723
ENSG00000170222	17	ADPRM	10600911	rs9898817	17	10610213	G	A	0.472167	0.0123869	0.00810847	0.126599	0.424637	0.0754057	1.79E-08	0.0291706	0.0197852	0.1403839	0.7933916	5	0.68487288
ENSG00000187824	17	TMEM220	10602332	rs418557	17	10632975	T	C	0.474155	0.0115038	0.00812364	0.156749	-0.530354	0.0593648	4.12E-19	-0.0216908	0.0155086	0.1619246	0.9822907	8	0.69993711
ENSG00000264176	17	MAGOH2	10619319	rs453318	17	10632174	G	A	0.472167	0.0114059	0.00811719	0.159976	-0.430753	0.0682127	2.70E-10	-0.026479	0.0193051	0.1701856	0.9680524	8	0.70660647
ENSG00000006744	17	ELAC2	12895708	rs1044569	17	12895929	A	G	0.60338	0.00463236	0.00820743	0.572474	0.557109	0.0586843	2.24E-21	0.008315	0.0147582	0.5731519	0.370128	20	0.9004891
ENSG00000236088	17	COX10-AS1	13659795	rs56820659	17	13944117	T	A	0.2167	0.00047756	0.00971416	0.960791	0.861444	0.117571	2.35E-13	0.00055437	0.0112769	0.9607921	0.8616331	3	0.98968811
ENSG00000141028	17	CDRT15P1	13927831	rs56820659	17	13944117	T	A	0.2167	0.00047756	0.00971416	0.960791	-0.79636	0.113782	2.58E-12	-0.0005997	0.0121985	0.9607922	0.9151984	5	0.98968811
ENSG00000223510	17	CDRT15	14138990	rs7222088	17	13948956	A	C	0.595427	0.00679087	0.00841894	0.419887	0.793959	0.095591	9.92E-17	0.00855317	0.0106536	0.4220666	0.9687897	20	0.85757588
ENSG00000125409	17	TEKT3	15207128	rs189330	17	15460005	T	A	0.326044	0.0167038	0.0083859	0.0463831	-0.676586	0.0628716	5.24E-27	-0.0246884	0.012605	0.05015708	0.1355862	20	0.53502872
ENSG00000239704	17	CDRT4	15339332	rs236810	17	15458308	T	C	0.327038	0.0167358	0.00838541	0.0459526	-0.567161	0.0699811	5.30E-16	-0.029508	0.0152266	0.05263225	0.1531165	19	0.54056882
ENSG00000187607	17	ZNF286A	15602891	rs4471717	17	15621373	G	A	0.749503	-0.0198581	0.00878057	0.0237225	-0.521665	0.0657013	2.02E-15	0.0380668	0.0175013	0.02962401	0.4893241	9	0.4633557
ENSG00000214946	17	TBC1D26	15635561	rs3865264	17	15618623	T	G	0.741551	-0.0206655	0.00875405	0.0182415	0.677777	0.100984	1.92E-11	-0.0304901	0.0136915	0.02595093	0.3573915	12	0.44127349
ENSG00000179277	17	MEIS3P1	15689932	rs1054119	17	15691119	A	C	0.235586	-0.0038153	0.00947711	0.687255	0.518294	0.0766813	1.39E-11	-0.0073613	0.0183176	0.6877794	0.9009592	14	0.93565052
ENSG00000170425	17	ADORA2B	15848231	rs1045599	17	15879910	T	C	0.570577	-0.0009432	0.00822599	0.908719	-0.444546	0.0565557	3.83E-15	0.00212161	0.0185062	0.9087281	0.5889705	14	0.98098987
ENSG00000214941	17	ZSWIM7	15879874	rs178812	17	16097136	T	G	0.559642	-0.0002967	0.00823749	0.971267	0.612582	0.0653662	7.15E-21	-0.0004844	0.0134473	0.9712675	0.5296153	20	0.99049771
ENSG00000166582	17	CENPV	16245848	rs3112527	17	16248906	T	C	0.464215	0.00336313	0.00804952	0.676089	0.514035	0.0623926	1.74E-16	0.00654261	0.0156796	0.6764818	0.4928922	19	0.93468019
ENSG00000187688	17	TRPV2	16318856	rs3813769	17	16318932	C	T	0.33002	0.00655966	0.00903515	0.467829	-0.586407	0.0841777	3.25E-12	-0.0111862	0.0154911	0.4702301	0.920532	5	0.87511487
ENSG00000197566	17	ZNF624	16524051	rs8082650	17	16567813	G	C	0.173956	0.013851	0.00982415	0.158572	0.524672	0.0846521	5.72E-10	0.0263994	0.0192027	0.169202	0.6755772	6	0.70660647
ENSG00000264359	17	NEK4P2	16569421	rs28526077	17	16573232	A	G	0.0874751	0.0260351	0.0120052	0.0301093	-1.11731	0.147392	3.44E-14	-0.0233016	0.0111758	0.03706857	0.9682146	10	0.50417602
ENSG00000154803	17	FLCN	17115526	rs1708618	17	17131869	C	T	0.567594	-0.008569	0.00842558	0.309142	0.663341	0.0520988	3.91E-37	-0.012918	0.0127422	0.310681	0.2154372	20	0.81264646
ENSG00000226746	17	SMCR5	17680000	rs4925109	17	17661802	G	A	0.650099	-0.0041993	0.00864497	0.627142	0.476727	0.0868205	4.00E-08	-0.0088087	0.0182048	0.6284821	0.5342732	5	0.91925859
ENSG00000175662	17	TOM1L2	17746828	rs12453825	17	17819635	T	C	0.373757	-0.0080235	0.00831347	0.334487	-0.227066	0.0395682	9.55E-09	0.0353354	0.0371267	0.3412234	0.6784453	17	0.82819565
ENSG00000108591	17	DRG2	17991200	rs2925140	17	18011358	G	A	0.908549	0.0181075	0.0131407	0.168212	0.983322	0.10651	2.65E-20	0.0184146	0.0135116	0.1729224	0.6212192	4	0.71004558
ENSG00000091536	17	MYO15A	18012020	rs854797	17	18071212	T	C	0.392644	0.0112186	0.0081305	0.167642	0.875105	0.0892073	1.02E-22	0.0128197	0.00938234	0.1718239	0.3957556	20	0.71004558
ENSG00000177731	17	FLII	18148150	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.219126	0.0388292	1.67E-08	-0.0246631	0.0375399	0.5111915	0.3757205	3	0.88570698
ENSG00000177302	17	TOP3A	18174742	rs2688030	17	18263044	G	A	0.636183	0.00334665	0.00855637	0.695702	-0.462775	0.0671368	5.46E-12	-0.0072317	0.018519	0.6961657	0.8916679	20	0.93875849
ENSG00000176974	17	SHMT1	18231187	rs9908833	17	18542074	A	G	0.548708	-0.0016987	0.00817209	0.835335	0.555085	0.0601516	2.75E-20	-0.0030602	0.014726	0.8353766	0.9542841	16	0.97330482
ENSG00000186831	17	KRT17P2	18330175	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.890192	0.0770621	7.24E-31	-0.006071	0.00919288	0.5089974	0.9210002	20	0.88300558
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.15851	0.0837046	1.45E-43	-0.0046649	0.00706025	0.5087872	0.9453129	20	0.88300558
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.17627	0.0797524	3.12E-49	-0.0045945	0.0069527	0.5087296	0.9457811	20	0.88300558
ENSG00000213077	17	FAM106A	18427880	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.814874	0.073834	2.55E-28	-0.0066321	0.0100441	0.5090635	0.8217012	20	0.88300558
ENSG00000154874	17	CCDC144B	18441117	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.812	0.0764749	2.46E-26	-0.0066556	0.0100811	0.5091245	0.9257957	20	0.88300558
ENSG00000108448	17	TRIM16L	18601311	rs12602546	17	18644364	A	G	0.463221	-6.09E-05	0.00818515	0.994063	0.456501	0.0825669	3.22E-08	-0.0001334	0.0179302	0.994063	0.283996	7	0.99876374
ENSG00000171931	17	FBXW10	18647326	rs62073745	17	18647539	A	G	0.784294	-0.0162333	0.00950065	0.0875145	-0.911997	0.0895039	2.21E-24	0.0177997	0.0105629	0.09196474	0.0560558	20	0.61580311
ENSG00000171928	17	TVP23B	18684308	rs4123417	17	18715642	C	T	0.49503	0.0032883	0.00810488	0.68495	-0.50563	0.0626571	7.04E-16	-0.0065034	0.0160495	0.6853256	0.3781955	20	0.93565052
ENSG00000141127	17	PRPSAP2	18743398	rs1037036	17	18764077	A	G	0.393638	-0.0089104	0.00840117	0.288864	0.599471	0.0582206	7.30E-25	-0.0148638	0.0140885	0.2914097	0.04556249	20	0.80201273
ENSG00000227078	17	AC004448.2	19322348	rs12941722	17	19352182	A	G	0.712724	-0.0009249	0.00822815	0.910499	-0.46985	0.0593349	2.40E-15	0.00196855	0.0175141	0.9105076	0.4240754	7	0.98098987
ENSG00000235979	17	AC004448.5	19342456	rs739830	17	19314611	C	T	0.727634	-0.0017343	0.00831153	0.834717	-0.43763	0.052089	4.40E-17	0.00396282	0.018998	0.8347671	0.5671685	8	0.97330482

ENSG00000189343	17	RPS2P46	19349246	rs739830	17	19314611	C	T	0.727634	-0.0017343	0.00831153	0.834717	-0.597842	0.0628493	1.86E-21	0.00290085	0.0139059	0.834756	0.4746997	8	0.97330482
ENSG00000230528	17	NOS2P3	20339650	rs62066941	17	20342346	T	A	0.424453	0.00932277	0.00833955	0.263611	-0.504898	0.0725576	3.44E-12	-0.0184647	0.0167291	0.2697033	0.3420874	14	0.7827508
ENSG00000265916	17	RP11-434D2.9	20435561	rs11650733	17	20463248	T	C	0.266402	-0.0120191	0.00923072	0.192891	0.609268	0.104235	5.06E-09	-0.0197271	0.0155219	0.2037556	0.316532	4	0.74155842
ENSG00000141068	17	KSR1	25783670	rs12951363	17	25714936	A	G	0.336978	-0.0019434	0.00854293	0.820047	0.675493	0.054601	3.73E-35	-0.002877	0.0126491	0.8200764	0.7780173	17	0.96917311
ENSG00000007171	17	NOS2	26083792	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	-0.781929	0.0670055	1.82E-31	0.0124678	0.0125518	0.3205584	0.3456386	12	0.81748223
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.494484	0.0534448	2.20E-20	-0.0197154	0.0198906	0.3215919	0.3780919	11	0.81754566
ENSG00000004142	17	POLDIP2	26673659	rs11080054	17	26645991	A	G	0.570577	0.00219138	0.00808949	0.786473	0.235576	0.0403376	5.22E-09	0.00930222	0.0343761	0.7866977	0.9098645	5	0.96375538
ENSG00000167525	17	PROCA1	27030215	rs9911086	17	27061586	T	C	0.0725646	-0.0136658	0.0147034	0.352663	-0.978461	0.107775	1.10E-19	0.0139666	0.0151056	0.3551746	0.8641886	9	0.83426107
ENSG00000221995	17	TIAF1	27400537	rs8072008	17	27407775	C	G	0.340954	0.00431666	0.00853423	0.612994	-0.562854	0.0585196	6.70E-22	-0.0076692	0.0151834	0.6134833	0.09916303	18	0.9147172
ENSG00000176927	17	EFCAB5	28256218	rs4310926	17	28433275	G	A	0.457256	-0.0134005	0.00806932	0.0967787	0.551737	0.0737649	7.45E-14	-0.0242878	0.0149814	0.1049758	0.03814461	20	0.63826532
ENSG00000231421	17	AC006050.2	28900489	rs216411	17	28903493	C	T	0.859841	0.00076216	0.0127791	0.952441	-1.28041	0.105183	4.32E-34	-0.0005952	0.00998059	0.952442	0.7249529	14	0.98968811
ENSG00000250462	17	LRRC37BP1	28956698	rs75767352	17	28860224	G	T	0.0387674	-0.0063571	0.0242138	0.792907	-1.08454	0.194568	2.49E-08	0.00586154	0.0223511	0.7931299	0.7748245	7	0.96375538
ENSG00000264538	17	SUZ12P	29036317	rs8070182	17	29135594	C	A	0.107356	0.00384037	0.0142578	0.787659	-1.19179	0.141591	3.86E-17	-0.0032224	0.0119695	0.7877647	0.9924506	11	0.96375538
ENSG00000176390	17	CRLF3	29096406	rs11653605	17	29088385	G	T	0.107356	0.00353907	0.014263	0.804034	-0.816067	0.109497	9.14E-14	-0.0043367	0.0174874	0.8041406	0.9982759	12	0.96614993
ENSG00000266490	17	CTD-2349P21.9	29119390	rs7504112	17	29073773	C	T	0.275348	-0.0128973	0.0089406	0.149145	0.676921	0.0807653	5.23E-17	-0.0190529	0.0134019	0.1551277	0.6225151	11	0.69271049
ENSG00000265798	17	RP11-271K11.5	29365593	rs551934444	17	30359495	T	A	0.148111	-0.0178628	0.012089	0.139512	1.1055	0.165368	2.31E-11	-0.0161581	0.0111993	0.1490812	0.356837	8	0.68876523
ENSG00000006042	17	TMEM98	31254928	rs113869178	17	31255285	A	C	0.145129	0.0149599	0.0134652	0.266568	-0.861335	0.144566	2.55E-09	-0.0173683	0.0159024	0.2747546	0.7189566	7	0.79013639
ENSG00000263571	17	CTC-304I17.5	32488756	rs6505396	17	32476849	G	A	0.748509	0.0160469	0.00900672	0.0748049	-1.1494	0.100026	1.46E-30	-0.0139611	0.00792965	0.07830244	0.2746343	20	0.58021333
ENSG00000181291	17	TMEM132E	32907768	rs8070015	17	33002897	A	C	0.201789	0.0108656	0.00966711	0.261022	-0.542817	0.0881653	7.42E-10	-0.0200171	0.0181035	0.2688556	0.3374119	4	0.78217005
ENSG00000005156	17	LIG3	33307513	rs1003918	17	33332177	A	G	0.477137	-0.0013321	0.00812145	0.869715	-0.528588	0.0570396	1.91E-20	0.00252007	0.0153668	0.8697356	0.122568	12	0.9761713
ENSG00000172716	17	SLFN11	33677324	rs772286	17	33759685	G	T	0.487078	-0.0100043	0.00846167	0.237081	0.489449	0.0740307	3.81E-11	-0.0204399	0.0175624	0.2444869	0.7373962	12	0.76951407
ENSG00000263874	17	LINC00672	37081421	rs573556	17	37082081	C	A	0.846918	0.00525321	0.0134251	0.695578	0.71362	0.0902886	2.71E-15	0.00736135	0.0188357	0.695931	0.5041997	7	0.9387509
ENSG00000073605	17	GSDMB	38060848	rs112191651	17	38088150	T	C	0.0357853	-0.0030033	0.0198321	0.879632	-0.578934	0.0900871	1.31E-10	0.0051876	0.0342657	0.8796655	0.9359943	4	0.97689669
ENSG00000188895	17	MSL1	38278551	rs117827273	17	38279036	G	C	0.161034	-0.0138363	0.0108414	0.20187	-0.515634	0.0765761	1.65E-11	0.0268336	0.0213997	0.20987	0.7478604	14	0.74515605
ENSG00000167916	17	KRT24	38854243	rs2011870	17	38856885	G	A	0.469185	0.00205805	0.00808196	0.798995	-0.681925	0.0910533	6.92E-14	-0.003018	0.0118585	0.7991091	0.9998037	9	0.96408387
ENSG00000196859	17	KRT39	39114669	rs8068997	17	39135466	G	A	0.270378	-0.0021584	0.00984265	0.826425	0.870521	0.0915619	1.95E-21	-0.0024794	0.0113096	0.8264707	0.9712416	18	0.9711119
ENSG00000204889	17	KRT40	39133968	rs7212122	17	39128089	C	T	0.270378	-0.002555	0.00985641	0.795465	0.758942	0.103753	2.58E-13	-0.0033665	0.0129952	0.7955901	0.8618585	7	0.96375538
ENSG00000212657	17	KRTAP16-1	39463952	rs73307180	17	39530058	G	A	0.0357853	-0.0053285	0.0296353	0.857307	1.2483	0.18454	1.34E-11	-0.0042686	0.0237489	0.857357	0.8362651	7	0.9761713
ENSG00000094796	17	KRT31	39549976	rs73307180	17	39530058	G	A	0.0357853	-0.0053285	0.0296353	0.857307	1.11007	0.174757	2.12E-10	-0.0048002	0.0267075	0.8573636	0.8163985	7	0.9761713
ENSG00000171345	17	KRT19	39679869	rs16966660	17	39465954	G	T	0.184891	-0.0074504	0.0125275	0.55203	-0.843601	0.128716	5.60E-11	0.00883163	0.014911	0.5536579	0.4186654	11	0.89575241
ENSG00000108785	17	HSD17B1P1	40698782	rs592389	17	40707444	C	A	0.524851	0.00669152	0.00807977	0.407568	-0.500639	0.067234	9.61E-14	-0.013366	0.0162384	0.4104474	0.1897092	13	0.85000195
ENSG00000108786	17	HSD17B1	40701232	rs605059	17	40706906	A	G	0.524851	0.00674841	0.00807941	0.403571	-0.394766	0.0564722	2.74E-12	-0.0170947	0.0206119	0.4069002	0.2025017	5	0.84699128
ENSG00000108828	17	VAT1	41166622	rs323500	17	41140545	T	C	0.331014	0.0197813	0.00846371	0.0194294	-0.371296	0.0592196	3.61E-10	-0.0532764	0.0243273	0.02852556	0.7732124	15	0.45580922
ENSG00000198496	17	NBR2	41277627	rs33946455	17	41321846	T	C	0.359841	0.020176	0.00828931	0.0149341	-1.27552	0.0845879	2.22E-51	-0.0158179	0.00658288	0.01626665	0.8270386	20	0.38004666
ENSG00000267002	17	RP11-242D8.1	41316200	rs79345851	17	41288843	G	A	0.362823	0.0212753	0.00828215	0.0102047	-0.347676	0.0384142	1.42E-19	-0.0611929	0.0247624	0.01346583	0.9724304	17	0.37299146
ENSG00000188554	17	NBR1	41322498	rs12950779	17	41306523	T	C	0.357853	0.0201438	0.00828914	0.0150928	-0.379081	0.0411467	3.17E-20	-0.0531385	0.0226143	0.0187849	0.8723517	19	0.3988628
ENSG00000175906	17	ARL4D	41476327	rs8176103	17	41267050	A	G	0.353877	0.020342	0.00829057	0.0141423	-0.451095	0.0645845	2.86E-12	-0.0450947	0.0194798	0.02061593	0.7217962	10	0.40745848
ENSG00000231256	17	C17orf105	41857803	rs141733120	17	41875402	A	G	0.252485	-0.0126872	0.00985448	0.197934	0.606431	0.101399	2.22E-09	-0.0209211	0.0166222	0.2081668	0.4176877	3	0.74438704
ENSG00000141349	17	G6PC3	42148103	rs9890091	17	42101075	T	C	0.209742	-0.006044	0.00960436	0.529158	0.252732	0.0410084	7.14E-10	-0.0239145	0.0381997	0.5312906	0.4192636	4	0.88710629
ENSG00000267080	17	ASB16-AS1	42253341	rs8079310	17	42270291	G	A	0.301193	-0.0261425	0.00864928	0.00250686	-0.392962	0.0614949	1.66E-10	0.0665268	0.0243484	0.00628972	0.3798038	15	0.29626764
ENSG00000267750	17	AC003102.3	42376942	rs3785818	17	42389278	C	G	0.380716	-0.0179088	0.00807744	0.026614	0.415082	0.0704191	3.76E-09	-0.0431452	0.0207909	0.03796871	0.8746715	7	0.50417602
ENSG00000013306	17	SLC25A39	42396993	rs850719	17	42394461	G	A	0.630219	-0.0230185	0.00868264	0.00802324	-0.40423	0.0526085	1.55E-14	0.0569441	0.022722	0.01220644	0.1667271	20	0.37053327
ENSG00000180336	17	C17orf104	42733762	rs76664833	17	42743217	C	T	0.0477137	0.0159297	0.0223879	0.476756	-0.835999	0.148284	1.72E-08	-0.0190547	0.0269923	0.4802306	0.8531671	8	0.87699866
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-1.07391	0.100105	7.54E-27	-0.0234991	0.0110636	0.03367004	0.00189605	20	0.48597966
ENSG00000182963	17	GJC1	42875816	rs10853007	17	42892795	G	A	0.414513	-0.0052252	0.00814629	0.521252	0.647934	0.0676836	1.04E-21	-0.0080644	0.0126009	0.5221842	0.8131062	20	0.88693216
ENSG00000172992	17	DCAKD	43100708	rs12601576	17	43133628	T	C	0.585487	0.015836	0.00817949	0.0528603	0.490037	0.0507444	4.59E-22	0.0323159	0.0170237	0.05765812	0.00079282	19	0.54949529
ENSG00000181513	17	ACBD4	43209967	rs8069937	17	43208626	A	G	0.483101	0.00662786	0.008167	0.417055	0.331356	0.0437033	3.40E-14	0.0200022	0.024788	0.4197055	0.2997776	13	0.85707798
ENSG00000267121	17	CTD-2020K17.1	43268298	rs1358071	17	43803189	A	C	0.709742	0.00399423	0.012379	0.746953	0.441961	0.0770362	9.63E-09	0.00903752	0.0280535	0.747337	0.1250954	5	0.95252174
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.538579	0.0683241	3.20E-15	0.0359121	0.0167407	0.03193733	0.09492628	14	0.48117345
ENSG00000233483	17	CTD-2020K17.4	43322553	rs28544002	17	43325839	C	T	0.173956	-0.0016614	0.0106282	0.875781	-0.712918	0.127334	2.16E-08	0.00233041	0.0149138	0.8758295	0.8351951	7	0.97689669
ENSG00000225190	17	PLEKHM1	43513266	rs56340658	17	43689090	C	T	0.241551	-0.0038861	0.0147709	0.792479	-0.848915	0.0750621	1.18E-29	0.00457773	0.0174044	0.7925348	0.9999112	8	0.96375538
ENSG00000236234	17	AC091132.1	43530210	rs75076131	17	43790649	A	C	0.239563	-0.0053702	0.0148481	0.717591	-0.582481	0.104564	2.54E-08	0.0092196	0.0255448	0.7181602	0.9931614	5	0.94380637
ENSG00000214425	17	LRRC37A4P	43578685	rs2532395	17	44307193	T	C	0.229622	-0.0063613	0.0149373	0.670204	-1.23384	0.0870572	1.35E-45	0.00515569	0.0121118	0.6703449	0.160871	12	0.93167988
ENSG00000266918	17	RP11-798G7.8	43608943	rs6503443	17	43765881	C	T	0.265408	-0.0105587	0.0138728	0.446591	0.846727	0.103081	2.14E-16	-0.01247	0.0164542	0.4485338	0.4452227	11	0.86795298
ENSG00000267198	17	RP11-798G7.6	43623170	rs12051901	17	44074586	A	G	0.234592	-0.0066751	0.00947435	0.481093	0.85366	0.119613	9.55E-13	-0.0078194	0.0111525	0.4832174	0.4953134	13	0.87816986
ENSG00000264070	17	DND1P1	43663237	rs1724400	17	43755871	C	A	0.733598	0.0110801	0.0138667	0.424268	-0.750858	0.0976298	1.46E-14	-0.0147566	0.0185672	0.4267497	0.3969609	11	0.8584192
ENSG00000263503	17	RP11-707O23.5	43678235	rs8073146	17	43893751	G	A	0.239563	-0.0058667	0.014833	0.69246	1.2137	0.109132	9.87E-29	-0.0048338	0.012229	0.6926445	0.9874291	4	0.93833295
ENSG00000204650	17	CRHR1-IT1	43697694	rs17652520	17	44098967	A	G	0.243539	-0.0124263	0.0143688	0.387143	0.322657	0.0501201	1.21E-10	-0.0385124	0.0449328	0.391383	0.09220157	9	0.84301004
ENSG00000185294	17	SPPL2C	43922256	rs76147580	17	44330106	C	T	0.223658	-0.0063764	0.0148977	0.668641	0.698798	0.0745441	6.96E-21	-0.0091249	0.0213412	0.6689645	0.9996452	9	0.93167988
ENSG00000120071	17	KANSL1	44107282	rs6503453	17	44062603	G	A	0.428429	0.00419419	0.00813718	0.606249	-0.508909	0.0670682	3.25E-14	-0.0082415	0.0160263	0.607077	0.1825111	20	0.91287911
ENSG00000214401	17	KANSL1-AS1	44270942	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.17298	0.0925536	8.29E-37	-0.0048735	0.0127685	0.7026975	0.93789	10	0.94116663
ENSG00000262500	17	RP11-259G18.2	44320972	rs17763086	17	43905481	G	T	0.239563	-0.0057727	0.0148317	0.697119	1.20765	0.10359	2.09E-31	-0.0047801	0.0122883	0.6972804	0.9822551	4	0.93933435
ENSG00000262539	17	RP11-259G18.3	44336917	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.33459	0.106151	2.99E-36	-0.0042834	0.0112224	0.7026996	0.9351594	10	0.94116663
ENSG00000261575	17	RP11-259G18.1	44344403	rs62062273	17	44092243	T	C	0.240557	-0.0066389	0.0148932	0.655766	1.2207	0.0896576	3.26E-42	-0.0054386	0.0122071	0.6559389	0.9650408	5	0.92834527
ENSG00000228696	17	ARL17B	44352150	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-0.79554	0.0910883	2.46E-18	-0.0089333	0.0103153	0.386478	0.36403	9	0.84197743
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.02164	0.0893638	2.88E-30	-0.0069563	0.00801595	0.3855036	0.7776321	11	0.84076304
ENSG00000260075	17	NSFP1	44450221	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.24802	0.113689	4.90E-28	-0.0058649	0.00671396	0.382369	0.5108781	20	0.83852378
ENSG00000238083	17	LRRC37A2	44588877	rs56046792	17	43797246	T	C	0.239563	-0.0056951	0.0148332	0.701021	1.31275	0.0954841	5.21E-43	-0.0043383	0.0113037	0.7011318	0.9846502	4	0.94116663
ENSG00000185829	17	ARL17A	44594068	rs56046792	17	43797246	T	C	0.239563	-0.0056951	0.0148332	0.701021	1.1204	0.0922908	6.49E-34	-0.0050831	0.0132458	0.7011631	0.6486208	6	0.94116663
ENSG00000232300	17	FAM215B	44636196	rs9896243	17	44826056	G	C	0.225646	0.00510829	0.0144671	0.724016	0.840386	0.10248	2.39E-16	0.0060785	0.0172308	0.7242608	0.090837	12	0.94553222
ENSG00000073969	17	NSF	44668035	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-0.28672	0.0428199	2.14E-11	-0.0255285	0.0293799	0.3848969	0.4823805	6	0.84018623
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-0.770786	0.0781459	6.00E-23	0.00671171	0.0114314	0.5571171	0.9895366	9	0.89575241
ENSG00000108433	17	GOSR2	45000483	rs1867237	17	45003829	A	G	0.602386	-0.0106294	0.00819709	0.194724	-0.321376	0.0512526	3.60E-10	0.0330747	0.0260459	0.2041349	0.02529255	17	0.74155842
ENSG00000262879	17	RP11-156P1.3	45061411	rs76048354	17	45180518	T	C	0.106362	0.0355339	0.0151706	0.0191664	1.17218	0.104246	2.47E-29	0.0303144	0.01322	0.02184425	0.7688088	18	0.4128198
ENSG00000178852	17	EFCAB13	45400656	rs7221196	17	45374994	A	G	0.571571	0.00921489	0.00830553	0.267219	0.575463	0.0840424	7.53E-12	0.016013	0.014621	0.2734271	0.4976374	5	0.78797768
ENSG00000159111	17	MRPL10	45900638	rs55916822	17	45906599	C	T	0.0536779	-0.0162469	0.0262627	0.536159	-1.4733	0.131517	3.97E-29	0.0110276	0.0178529	0.5367803	0.1982712	14	0.88710629
ENSG00000141294	17	LRRC46	45908993	rs11079797	17	45912302	T	C	0.158052	0.0255113	0.0119553	0.0328519	0.534249	0.0786019	1.07E-11	0.0477517	0.0234547	0.04175908	0.08270988	15	0.51857185
ENSG00000141295	17	SCRN2	45915058	rs16948662	17	45913847	A	C	0.116302	0.0162459	0.0132619	0.220574	-0.704559	0.0626749	2.55E-29	-0.0230583	0.0189344	0.2233014	0.3097484	20	0.75497764
ENSG00000264920	17	RP11-6N17.4	45968621	rs145682182	17	45964948	G	A	0.0437376	0.0278065	0.0292897	0.342438	0.844806	0.147085	9.26E-09	0.0329147	0.0351407	0.3489373	0.9639328	3	0.83203655
ENSG00000108439	17	PNPO	46018872	rs4793737	17	46042257	C	A	0.32008	0.0143692	0.00919361	0.118062	0.274075	0.0458631	2.29E-09	0.052428	0.0346724	0.13051	0.04731767	11	0.67376577
ENSG00000108465	17	CDK5RAP3	46045176	rs886444	17	46051911	A	G	0.380716	0.00800239	0.00822449	0.330555	0.375694	0.0499284	5.29E-14	0.0213003	0.0220737	0.3345641	0.1712904	20	0.82540122
ENSG00000002919	17	SNX11	46180719	rs1468270	17	46125191	T	C	0.225646	-0.010645	0.00973281	0.274076	-0.379919	0.0640677	3.03E-09	0.0280191	0.0260502	0.2821144	0.07338382	5	0.79513447
ENSG00000173917	17	HOXB2	46618256	rs35624684	17	46658475	T	C	0.175944	-0.0057919	0.00992269	0.559423	-0.791712	0.12067	5.35E-11	0.00731563	0.0125827	0.5609687	0.779463	20	0.89657901
ENSG00000230148	17	HOXB-AS1	46620913	rs56670520	17	46745778	C	T	0.602386	0.00925924	0.00810001	0.252991	0.65331	0.102623	1.94E-10	0.0141728	0.0125967	0.2605382	0.4998551	20	0.77529567
ENSG00000120093	17	HOXB3	46626232	rs8071207	17	46584016	C	T	0.78827	0.00303998	0.00969403	0.753831	0.73116	0.1065	6.63E-12	0.00415775	0.0132722	0.7540783	0.5463444	20	0.95502521
ENSG00000170703	17	TTLL6	46839597	rs144379736	17	46903873	A	G	0.182903	0.00346122	0.0102641	0.735953	1.13733	0.162759	2.79E-12	0.00304329	0.00903524	0.7362495	0.00383357	10	0.94830822
ENSG00000136436	17	CALCOCO2	46908350	rs318100	17	46953630	G	T	0.188867	0.0170701	0.0107366	0.111858	0.700994	0.0823246	1.67E-17	0.0243513	0.015581	0.118079	0.00201548	10	0.66110705
ENSG00000248278	17	RP11-463M16.4	46952222	rs12941262	17	46967037	A	T	0.563618	0.034524	0.0080749	1.91E-05	0.738054	0.118996	5.56E-10	0.0467771	0.0132883	0.00043129	0.2985496	6	0.16441006
ENSG00000159199	17	ATP5G1	46970127	rs1962412	17	46970259	C	T	0.719682	0.0263774	0.00903648	0.00351164	0.233797	0.0428238	4.77E-08	0.112822	0.0438286	0.01004839	0.5283092	13	0.34446388
ENSG00000064300	17	NGFR	47572655	rs627905	17	47579113	C	T	0.702783	-0.0098022	0.00867246	0.258365	0.471804	0.0861914	4.40E-08	-0.0207759	0.0187692	0.2683312	0.806206	3	0.78217005
ENSG00000005884	17	ITGA3	48133332	rs57066151	17	48131632	C	T	0.100398	-0.0169576	0.0110708	0.125586	-0.493704	0.0652021	3.68E-14	0.0343477	0.0228782	0.1332702	0.5705611	13	0.67495201
ENSG00000253730	17	RP11-893F2.13	48235694	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.766193	0.0692352	1.82E-28	-0.00822	0.0109668	0.4535378	0.8122762	19	0.86795298
ENSG00000261959	17	RP11-893F2.14	48240884	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.972285	0.0808492	2.60E-33	-0.0064776	0.00863919	0.453379	0.9106587	18	0.86795298
ENSG00000108823	17	SGCA	48241575	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-1.04085	0.0725534	1.13E-46	-0.0060509	0.00806542	0.4531179	0.8757833	20	0.86795298
ENSG00000188662	17	HILS1	48248789	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.836558	0.0838863	2.01E-23	-0.0075286	0.0100497	0.4537773	0.8641134	17	0.86795298
ENSG00000251179	17	RP11-893F2.9	48358938	rs2586438	17	48445699	T	C	0.555666	0.00404874	0.00820586	0.621733	0.508323	0.0824266	6.96E-10	0.0079649	0.0161946	0.6228433	0.739479	6	0.91852725
ENSG00000108826	17	MRPL27	48445218	rs2526537	17	48438055	T	G	0.553678	0.00400641	0.00821046	0.625574	0.276721	0.0334306	1.26E-16	0.0144782	0.029722	0.6261744	0.07129603	11	0.91925859
ENSG00000136457	17	CHAD	48541857	rs2898945	17	48553916	G	C	0.577535	0.0125614	0.00807607	0.119853	0.664062	0.0731993	1.17E-19	0.018916	0.0123391	0.1252717	0.9861277	18	0.66875442
ENSG00000250286	17	RP11-94C24.8	48614655	rs9914894	17	48614674	C	T	0.601392	0.00209495	0.00813743	0.796834	-0.647924	0.0784156	1.42E-16	-0.0032333	0.0125653	0.7969308	0.14604	14	0.96408387
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.304892	0.0508332	2.00E-09	-0.0456791	0.0291218	0.1167521	0.1646267	13	0.65993118
ENSG00000229980	17	TOB1-AS1	48944040	rs35220381	17	48944240	T	C	0.404573	-0.0157831	0.00833586	0.0583042	-0.516216	0.0773478	2.49E-11	0.0305746	0.0167853	0.06852879	0.156391	13	0.56129172
ENSG00000262006	17	RP11-700H6.4	48986998	rs12949115	17	48944345	A	C	0.259443	-0.001499	0.00888953	0.866088	0.708615	0.111517	2.09E-10	-0.0021155	0.0125494	0.8661345	0.03505165	9	0.9761713
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.414964	0.034913	1.41E-32	-0.02935	0.0201917	0.1460658	0.6332689	20	0.68835807
ENSG00000011260	17	UTP18	49337889	rs4794238	17	49439280	T	C	0.405567	0.00114776	0.00821869	0.888935	-0.256344	0.0463496	3.19E-08	-0.0044774	0.0320714	0.8889698	0.01982769	11	0.97923901
ENSG00000166260	17	COX11	53029263	rs2111096	17	53036028	T	C	0.54175	-0.0008395	0.00820387	0.918496	-0.258998	0.0474289	4.74E-08	0.00324129	0.031681	0.9185105	0.1746949	8	0.98098987
ENSG00000166263	17	STXBP4	53046088	rs12952523	17	53044084	T	G	0.2167	0.00188976	0.00923809	0.837914	0.494525	0.083256	2.85E-09	0.00382136	0.0186918	0.8380092	0.03612572	6	0.97376482
ENSG00000005379	17	BZRAP1	56378592	rs9908667	17	56377467	C	G	0.271372	0.00476804	0.00957938	0.618667	0.495175	0.0619082	1.26E-15	0.009629	0.0193829	0.6193449	0.2761093	10	0.91759776
ENSG00000213246	17	SUPT4H1	56422539	rs10515157	17	56433448	A	G	0.154076	0.00563394	0.00996043	0.571644	-0.358788	0.0580068	6.20E-10	-0.0157027	0.0278772	0.573243	0.3494265	4	0.9004891
ENSG00000121101	17	TEX14	56634039	rs11658974	17	57205847	C	T	0.620278	-0.000596	0.00837604	0.943273	0.487198	0.083474	5.33E-09	-0.0012234	0.0171935	0.9432771	0.08476255	13	0.98860811
ENSG00000108384	17	RAD51C	56769934	rs12600349	17	57054245	T	C	0.180915	0.0042417	0.00923447	0.645995	-0.514376	0.0548345	6.57E-21	-0.0082463	0.0179743	0.6463895	0.2396387	20	0.92641321
ENSG00000182628	17	SKA2	57187312	rs9652856	17	57208752	C	T	0.342942	0.00571902	0.00898381	0.524391	-0.281106	0.0481345	5.22E-09	-0.0203447	0.0321481	0.5268361	0.7287647	13	0.88710629
ENSG00000267302	17	RP11-178C3.2	58042193	rs7212940	17	57617692	C	G	0.236581	0.00208082	0.00913955	0.819901	0.69007	0.117187	3.89E-09	0.00301538	0.0132543	0.8200334	0.9319767	8	0.96917311
ENSG00000068097	17	HEATR6	58120555	rs79483284	17	58175171	A	C	0.0427435	0.013437	0.0164873	0.415078	0.657116	0.111383	3.64E-09	0.0204484	0.0253287	0.4194799	0.9157969	8	0.85707798
ENSG00000264546	17	RP11-464D20.6	60627087	rs4468695	17	60664278	G	A	0.667992	0.00874984	0.00854971	0.306115	0.571616	0.104369	4.33E-08	0.0153072	0.015216	0.3144178	0.7349999	7	0.81455426
ENSG00000136485	17	DCAF7	61627822	rs78369934	17	61739101	C	T	0.055666	-0.0069303	0.0152733	0.650005	0.549511	0.0751463	2.62E-13	-0.0126118	0.0278478	0.6506326	0.6059285	10	0.92725626
ENSG00000198231	17	DDX42	61850963	rs8081541	17	61812483	T	C	0.265408	-0.0019388	0.00959093	0.839802	-0.394243	0.0600484	5.19E-11	0.00491773	0.024339	0.8398765	0.6243305	14	0.97376482
ENSG00000108592	17	FTSJ3	61896793	rs2665837	17	61932866	C	T	0.599404	-0.0052378	0.00841972	0.533885	0.79238	0.0594273	1.48E-40	-0.0066102	0.0106374	0.5343291	0.4093867	20	0.88710629
ENSG00000240280	17	TCAM1P	61926652	rs2584632	17	61880641	A	G	0.332008	-0.0040621	0.0081711	0.6191	-0.814897	0.0909919	3.38E-19	0.00498475	0.0100426	0.6196397	0.7013003	20	0.91770274
ENSG00000213218	17	CSH2	61949372	rs200666589	17	61940720	C	T	0.60338	-0.0047828	0.00842353	0.570175	-0.876033	0.0886412	4.94E-23	0.00545965	0.0096314	0.5708098	0.7029265	20	0.89959545
ENSG00000178607	17	ERN1	62116502	rs196933	17	62134056	A	G	0.744533	0.00674327	0.00934469	0.470531	0.711738	0.0752044	2.96E-21	0.00947437	0.0131675	0.4718165	0.5651427	11	0.87541091
ENSG00000176809	17	LRRC37A3	62850430	rs41410147	17	62962184	T	C	0.084493	-0.0205939	0.0172927	0.233694	1.4184	0.140688	6.64E-24	-0.0145191	0.0122765	0.2369364	0.6550012	6	0.76116625
ENSG00000214174	17	AMZ2P1	62962668	rs35122942	17	62971597	A	G	0.0914513	-0.0109556	0.0157459	0.486572	0.816659	0.102033	1.21E-15	-0.0134151	0.0193536	0.4882087	0.9810674	18	0.87873497
ENSG00000171634	17	BPTF	65821640	rs11650332	17	65976054	A	G	0.686879	-0.0224683	0.00865553	0.00943626	0.26608	0.0412986	1.17E-10	-0.0844419	0.0350708	0.01605107	0.00289382	11	0.38004666
ENSG00000267472	17	LOC440461	66195062	rs1558135	17	66193336	C	A	0.400596	0.0188887	0.00843378	0.0251137	-0.666913	0.089073	7.03E-14	-0.0283226	0.0131996	0.03189625	0.1743829	18	0.48117345
ENSG00000196704	17	AMZ2	66243715	rs73349691	17	66245659	T	C	0.190855	0.0119202	0.0122596	0.330894	0.332884	0.0591665	1.84E-08	0.0358089	0.0373744	0.3380057	0.8594426	3	0.82547518
ENSG00000070540	17	WIPI1	66417089	rs888298	17	66444335	G	A	0.446322	-0.0123571	0.00827253	0.135242	-0.502066	0.0737194	9.73E-12	0.0246125	0.0168686	0.1445463	0.3182635	20	0.68835807
ENSG00000231749	17	ABCA9-AS1	67000855	rs10852774	17	66963284	C	G	0.402584	0.00133827	0.00830881	0.872041	0.611141	0.109205	2.19E-08	0.00218979	0.0136012	0.8720936	0.6455208	3	0.97689669
ENSG00000153822	17	KCNJ16	68049570	rs11867479	17	68090207	T	C	0.345924	0.010651	0.0089194	0.232422	0.289445	0.0475823	1.18E-09	0.036798	0.0314037	0.2412877	0.09765972	3	0.76586993
ENSG00000133195	17	SLC39A11	70642088	rs11077657	17	71028147	A	C	0.742545	-0.0146019	0.00884393	0.0987256	-0.476178	0.0813182	4.75E-09	0.0306648	0.0192969	0.1120365	0.781134	8	0.65367006
ENSG00000180616	17	SSTR2	71161151	rs7406887	17	70901185	G	A	0.524851	-0.0033105	0.00818029	0.685706	-0.311159	0.0556788	2.29E-08	0.0106392	0.0263586	0.6864827	0.999697	4	0.93565052
ENSG00000204347	17	BTBD17	72352555	rs11652774	17	72367843	T	C	0.355865	-0.0131393	0.00818332	0.108359	-0.470696	0.0553512	1.83E-17	0.0279146	0.0176928	0.1146247	0.04781716	3	0.65779296
ENSG00000257008	17	GPR142	72363546	rs34886967	17	72367634	A	T	0.356859	-0.01282	0.00818553	0.117306	-1.00277	0.0756059	3.79E-40	0.0127846	0.00821963	0.1198576	0.04497446	4	0.66559302
ENSG00000170412	17	GPRC5C	72420990	rs4789664	17	72444656	G	A	0.920477	0.00418214	0.0155055	0.787376	-0.494563	0.0638688	9.68E-15	-0.0084562	0.0313709	0.7875016	0.7314073	4	0.96375538
ENSG00000261222	17	CTD-2006K23.1	72595979	rs509574	17	72608926	A	G	0.297217	0.00636674	0.00883022	0.470899	0.527752	0.070633	7.91E-14	0.0120639	0.0168095	0.4729526	0.4116912	12	0.87541091
ENSG00000172794	17	RAB37	72666717	rs563299	17	72604791	A	G	0.299205	0.00907468	0.0086782	0.295705	0.757264	0.0682123	1.23E-28	0.0119835	0.0115107	0.297839	0.8328872	19	0.80667732
ENSG00000109062	17	SLC9A3R1	72744791	rs563299	17	72604791	A	G	0.299205	0.00907468	0.0086782	0.295705	0.509181	0.0531753	1.01E-21	0.0178221	0.0171448	0.298569	0.5627836	7	0.80667732
ENSG00000239607	17	RN7SL573P	73037830	rs8065776	17	73051910	A	G	0.497018	0.0126974	0.00806088	0.115213	0.392891	0.0637127	6.98E-10	0.0323179	0.0211756	0.1269641	0.8448758	7	0.66962533
ENSG00000125450	17	NUP85	73201754	rs1478785	17	73222865	A	G	0.754473	0.0184148	0.0110806	0.0965339	-0.970729	0.0593545	4.02E-60	-0.0189701	0.0114735	0.09825328	0.2731403	20	0.63011258
ENSG00000125445	17	MRPS7	73257755	rs8067326	17	73261276	T	C	0.799205	0.026522	0.0132067	0.04462	0.529383	0.051845	1.77E-24	0.0500998	0.0254253	0.048784	0.06587386	20	0.53502872
ENSG00000182173	17	TSEN54	73512141	rs112423278	17	73525427	G	A	0.208748	-0.014061	0.0102416	0.169775	-0.275329	0.0377348	2.96E-13	0.0510698	0.0378505	0.1772561	0.04255913	12	0.71439664
ENSG00000132481	17	TRIM47	73870242	rs76154832	17	73876473	A	G	0.164016	0.0237284	0.0141862	0.0943974	-0.877429	0.0802499	7.95E-28	-0.0270431	0.016356	0.09824862	0.9120215	20	0.63011258
ENSG00000141569	17	TRIM65	73876416	rs55805916	17	73901143	A	G	0.291252	0.0139849	0.0101179	0.166911	0.745753	0.0753096	4.06E-23	0.0187527	0.0136989	0.1710233	0.8279115	20	0.70823871
ENSG00000267342	17	RP11-552F3.10	73893141	rs34143128	17	73954402	G	C	0.633201	-0.0025332	0.00914699	0.781828	0.337332	0.0544581	5.85E-10	-0.0075094	0.0271428	0.782039	0.2032434	14	0.96342048
ENSG00000188878	17	FBF1	73905655	rs1463486	17	73943942	A	G	0.239563	0.0149695	0.010545	0.15573	0.388462	0.0673842	8.17E-09	0.0385353	0.0279564	0.1680779	0.9611407	12	0.7037325
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	1.03899	0.0955864	1.61E-27	0.0106765	0.0103536	0.3024534	0.8544434	15	0.80750206
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.772867	0.0715037	3.13E-27	0.0143528	0.0139194	0.302478	0.9570078	14	0.80750206
ENSG00000129646	17	QRICH2	74270130	rs11077811	17	74285242	A	G	0.243539	0.0150063	0.0100009	0.133484	-0.290538	0.0452733	1.39E-10	-0.05165	0.0353504	0.1439914	0.07107675	9	0.68835807
ENSG00000161542	17	PRPSAP1	74305567	rs446662	17	74313542	C	A	0.294235	0.0133209	0.00930699	0.152351	-0.832818	0.0704396	2.96E-32	-0.015995	0.0112569	0.1553443	0.462736	20	0.69271049
ENSG00000163597	17	SNHG16	74553848	rs8066453	17	74558446	G	A	0.377734	-0.0002314	0.00821556	0.977531	-0.367416	0.0670636	4.29E-08	0.00062976	0.0223607	0.9775316	0.1180084	4	0.99269132
ENSG00000182534	17	MXRA7	74668633	rs11869629	17	74677156	T	C	0.804175	0.003673	0.0104029	0.724031	-0.940052	0.0922875	2.29E-24	-0.0039072	0.0110729	0.7241914	0.5886455	19	0.94553222
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086057	17	74819228	G	A	0.0864811	-0.007793	0.0145054	0.591099	1.58662	0.18379	5.99E-18	-0.0049117	0.00916001	0.5918143	0.1375525	11	0.90663738
ENSG00000234912	17	LINC00338	75082798	rs11868249	17	75085322	G	A	0.148111	-0.0032294	0.0140318	0.817979	-0.506268	0.0925943	4.56E-08	0.00637874	0.0277407	0.8181372	0.8011988	3	0.96899602

ENSG00000184640	17	9-Sep	75276651	rs384810	17	75388812	T	G	0.229622	0.0109602	0.00968378	0.257716	-0.670343	0.0764226	1.76E-18	-0.0163501	0.0145658	0.2616481	0.3229814	15	0.77529567
ENSG00000266998	17	RP11-936I5.1	75369900	rs11658815	17	75375881	A	G	0.45825	0.00526541	0.00818381	0.519968	0.71302	0.0888218	9.95E-16	0.00738466	0.0115145	0.5213038	0.1388475	13	0.88693216
ENSG00000167900	17	TK1	76170160	rs144204502	17	76183233	T	C	0.0119284	-0.0148516	0.0211157	0.481839	1.57594	0.243943	1.05E-10	-0.009424	0.013478	0.4844194	0.8816263	9	0.87816986
ENSG00000089685	17	BIRC5	76210267	rs2661690	17	76214127	C	A	0.389662	0.00789312	0.00861453	0.359532	-0.523702	0.0798878	5.55E-11	-0.0150718	0.0166092	0.3641764	0.3484734	5	0.83426107
ENSG00000267676	17	THA1P	76244574	rs11655421	17	76251518	A	T	0.258449	-0.0099759	0.00974317	0.305891	-0.707481	0.122523	7.73E-09	0.0141005	0.0139865	0.3133796	0.06256893	6	0.81455426
ENSG00000108669	17	CYTH1	76670130	rs112855463	17	76670738	T	C	0.0785288	0.0181599	0.0141954	0.200799	-1.73697	0.198481	2.11E-18	-0.0104549	0.00825937	0.2055749	0.1855862	5	0.74155842
ENSG00000055483	17	USP36	76783463	rs3826552	17	76793885	A	G	0.536779	0.0176969	0.00829403	0.0328678	0.50911	0.0513855	3.86E-23	0.0347605	0.0166647	0.03699046	0.5371698	16	0.50417602
ENSG00000167291	17	TBC1D16	77906142	rs59719579	17	77991524	T	C	0.0914513	0.0314067	0.0124864	0.0118938	-0.926214	0.114613	6.41E-16	-0.0339087	0.014119	0.01632216	0.2248999	7	0.38004666
ENSG00000141519	17	CCDC40	78010435	rs78971848	17	78015868	A	G	0.122266	-0.0055617	0.0107735	0.605688	1.17228	0.109653	1.12E-26	-0.0047444	0.00920092	0.6061065	0.007664	11	0.91287911
ENSG00000171298	17	GAA	78075355	rs12150060	17	78063086	A	G	0.279324	-0.0061886	0.00957073	0.517876	-0.952214	0.077711	1.61E-34	0.00649921	0.010065	0.5184587	0.2425728	20	0.88693216
ENSG00000262580	17	RP11-334C17.5	78174472	rs9904453	17	78176579	C	T	0.54672	0.00317747	0.00809813	0.694784	-0.527221	0.0703078	6.44E-14	-0.0060268	0.015381	0.6951803	0.06071046	12	0.93862719
ENSG00000173821	17	RNF213	78234665	rs62074445	17	78251696	T	C	0.204771	-0.0036767	0.0120737	0.760731	0.865836	0.113024	1.85E-14	-0.0042464	0.0139556	0.7609138	0.6711679	5	0.95711719
ENSG00000157637	17	SLC38A10	79218800	rs115343321	17	79268733	C	T	0.129225	0.009025	0.011248	0.422341	0.734248	0.0896398	2.59E-16	0.0122915	0.0153924	0.4245555	0.544182	20	0.8584192
ENSG00000262877	17	RP11-1055B8.4	79361930	rs8067402	17	79367896	G	A	0.358847	0.00313933	0.00838589	0.708137	-0.588683	0.0677076	3.48E-18	-0.0053328	0.0142584	0.7083953	0.8319646	15	0.94206936
ENSG00000182446	17	NPLOC4	79523913	rs12449763	17	79527953	T	A	0.230616	-0.0209352	0.0104933	0.0460331	-0.532603	0.0882654	1.60E-09	0.0393073	0.0207509	0.05819234	0.3221182	3	0.55118985
ENSG00000182612	17	TSPAN10	79604197	rs6420484	17	79612397	G	A	0.643141	-0.019809	0.00825435	0.0164025	0.897679	0.0856434	1.05E-25	-0.0220669	0.00943315	0.01932019	0.4004836	20	0.40157332
ENSG00000204237	17	OXLD1	79632066	rs58358515	17	79638635	A	G	0.0596421	-0.0325382	0.0194987	0.09517	-0.586754	0.0963129	1.11E-09	0.0554546	0.0344556	0.1075178	0.3582177	8	0.6451068
ENSG00000185298	17	CCDC137	79633394	rs148342679	17	79638120	T	C	0.164016	-0.0124839	0.0114729	0.276541	0.418559	0.0626102	2.31E-11	-0.0298259	0.0277712	0.2828285	0.6724314	9	0.79513447
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.771864	0.0660575	1.53E-31	0.0130829	0.0135971	0.33596	0.4625912	20	0.82540122
ENSG00000183010	17	PYCR1	79890260	rs4796852	17	79899698	A	G	0.590457	0.00774707	0.00839107	0.355875	-0.592648	0.0957324	5.99E-10	-0.013072	0.0143152	0.3611623	0.3097597	3	0.83426107
ENSG00000185105	17	MYADML2	79897521	rs2102987	17	79900136	A	G	0.589463	0.0077422	0.00839105	0.356178	-1.05706	0.0917292	1.00E-30	-0.0073243	0.00796351	0.3577138	0.6477104	10	0.83426107
ENSG00000235296	17	AC137723.5	79899745	rs2102987	17	79900136	A	G	0.589463	0.0077422	0.00839105	0.356178	-0.945275	0.109167	4.76E-18	-0.0081904	0.00892709	0.3588914	0.5797942	9	0.83426107
ENSG00000169689	17	STRA13	79976578	rs3934983	17	79980756	A	C	0.55666	-0.0044455	0.00834142	0.594077	0.22646	0.0394846	9.73E-09	-0.0196302	0.0369926	0.5956607	0.01807359	4	0.90850217
ENSG00000169738	17	DCXR	79993012	rs113680823	17	79995320	G	A	0.100398	0.0341523	0.0113552	0.00263299	0.41621	0.051131	3.95E-16	0.0820555	0.0290851	0.00478415	0.5305186	14	0.27554195
ENSG00000169733	17	RFNG	80005778	rs9893491	17	80008018	G	A	0.638171	-0.0021509	0.00901956	0.811516	-0.309846	0.0370075	5.64E-17	0.00694184	0.0291216	0.8115911	0.9593996	9	0.96881317
ENSG00000176155	17	CCDC57	80059336	rs12944550	17	80140298	T	C	0.484095	-0.0119405	0.00809084	0.139997	-0.742086	0.055836	2.63E-40	0.0160905	0.0109698	0.1424334	0.4134245	20	0.68835807
ENSG00000260011	17	RP13-20L14.1	80338986	rs11077993	17	80341588	A	G	0.54175	-0.0244572	0.00809975	0.00253192	-0.379007	0.057516	4.41E-11	0.0645297	0.0235078	0.0060504	0.09431448	9	0.28830874
ENSG00000181396	17	OGFOD3	80347099	rs8079767	17	80362772	A	G	0.54175	-0.0251778	0.00813806	0.00197592	0.318988	0.0490609	7.93E-11	-0.0789302	0.0282531	0.00521115	0.2715145	11	0.27554195
ENSG00000178927	17	C17orf62	80400465	rs72857495	17	80412867	C	A	0.127237	-0.0236265	0.01079	0.0285483	-0.681377	0.0806681	3.00E-17	0.0346746	0.016359	0.03403952	0.1188989	6	0.48774109
ENSG00000141562	17	NARF	80416056	rs8081734	17	80448533	G	A	0.380716	-0.0147022	0.00851923	0.0843898	-0.372407	0.0517615	6.26E-13	0.0394789	0.023525	0.09331514	0.1894713	15	0.61734916
ENSG00000141580	17	WDR45B	80572438	rs9789075	17	80606079	A	G	0.242545	-0.0058427	0.00936935	0.532889	-0.547549	0.0798805	7.15E-12	0.0106707	0.0171821	0.5345755	0.5956034	9	0.88710629
ENSG00000141560	17	FN3KRP	80674559	rs12947062	17	80686370	G	A	0.652087	-0.0003946	0.00915854	0.965633	0.576234	0.0786884	2.43E-13	-0.0006848	0.0158941	0.9656341	0.7022996	20	0.99005812
ENSG00000262663	17	RP11-497H17.1	80876158	rs3785512	17	80886528	T	C	0.348907	0.00965551	0.00818687	0.238243	0.508863	0.0847829	1.95E-09	0.0189747	0.0163962	0.2471666	0.5659391	8	0.77232932
ENSG00000175711	17	B3GNTL1	80900031	rs57048999	17	81010997	A	T	0.114314	0.00182278	0.0116351	0.875511	-0.879794	0.111532	3.06E-15	-0.0020718	0.0132274	0.8755354	0.9294216	11	0.97689669
ENSG00000262898	17	AC139099.4	81091900	rs9330536	17	81083854	C	T	0.469185	-0.002465	0.00829129	0.76624	-0.893479	0.0987005	1.40E-19	0.00275883	0.00928478	0.7663635	0.3733741	11	0.95821133
ENSG00000263006	18	ROCK1P1	109065	rs4530213	18	115408	T	G	0.303181	0.00146682	0.00836181	0.860751	1.14477	0.100856	7.37E-30	0.00128132	0.00730523	0.8607669	0.5206278	20	0.9761713
ENSG00000158270	18	COLEC12	319361	rs2305027	18	334742	T	C	0.493042	-0.0107838	0.00813759	0.185111	0.335541	0.0504882	3.01E-11	-0.0321385	0.0247296	0.1937382	0.6113911	6	0.73174115
ENSG00000079101	18	CLUL1	596988	rs2015412	18	590969	T	C	0.298211	-0.0001075	0.00844302	0.989842	0.524924	0.0940771	2.41E-08	-0.0002048	0.0160843	0.9898418	0.8648581	8	0.99836862
ENSG00000266513	18	RP11-874J12.3	3770017	rs8085417	18	3775325	A	C	0.487078	-0.0054035	0.00811628	0.505564	0.553358	0.0623166	6.70E-19	-0.0097649	0.0147085	0.506756	0.5575664	20	0.88300558
ENSG00000231824	18	C18orf42	5145284	rs61412684	18	5173849	A	G	0.247515	-0.0291871	0.00941061	0.00192535	-0.339098	0.0569729	2.65E-09	0.0860728	0.0312937	0.00595083	0.647317	4	0.28830874
ENSG00000263753	18	LINC00667	5232875	rs9948693	18	5247432	T	C	0.387674	0.00299857	0.00830116	0.717933	0.48283	0.0714277	1.38E-11	0.00621041	0.0172172	0.7183175	0.6110882	17	0.94380637
ENSG00000264575	18	LINC00526	5236723	rs4797193	18	5212107	C	A	0.525845	0.00098134	0.00810755	0.903659	-0.542388	0.0747102	3.87E-13	-0.0018093	0.01495	0.9036721	0.499359	10	0.98098987
ENSG00000272788	18	RP11-674N23.4	8801654	rs9965713	18	8803251	T	C	0.684891	-0.006166	0.00892505	0.489651	-0.600209	0.0981233	9.54E-10	0.0102731	0.0149644	0.4923987	0.7371181	8	0.88088085
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-0.78968	0.111415	1.36E-12	0.00555766	0.0134752	0.6800209	0.2183584	6	0.93468019
ENSG00000134265	18	NAPG	10525902	rs484583	18	10555120	C	T	0.514911	-0.0049998	0.00808612	0.536369	-0.691638	0.0529215	4.94E-39	0.00722885	0.0117043	0.5368247	0.5533302	20	0.88710629
ENSG00000154889	18	MPPE1	11882621	rs8097892	18	11905953	T	C	0.445328	-0.0233072	0.00836189	0.00531472	-0.715274	0.0680232	7.36E-26	0.032585	0.0120942	0.00705445	0.3778685	4	0.3176829
ENSG00000176014	18	TUBB6	12307668	rs4073975	18	12279075	T	C	0.350895	0.00773555	0.00901022	0.3906	-0.424829	0.0617987	6.23E-12	-0.0182086	0.0213738	0.3942625	0.8896583	3	0.84370116
ENSG00000267108	18	RP11-861E21.1	12432896	rs34620743	18	12438519	G	C	0.151093	0.0217604	0.0134055	0.104537	1.17312	0.139444	4.00E-17	0.0185492	0.011638	0.1109704	0.3739116	20	0.65191841
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.998421	0.0906391	3.22E-28	0.00231754	0.00827191	0.7793473	0.4127407	20	0.96342048
ENSG00000101639	18	CEP192	12991361	rs17659749	18	12991521	T	C	0.412525	0.00475604	0.00825955	0.564734	-0.502318	0.0508343	5.01E-23	-0.0094682	0.0164708	0.5653941	0.4406971	20	0.89657901
ENSG00000175322	18	ZNF519	14057456	rs9958799	18	14132402	C	G	0.229622	0.00025724	0.00989117	0.979252	0.575673	0.0526423	7.79E-28	0.00044684	0.017182	0.9792522	0.0560382	17	0.9935567
ENSG00000267150	18	RP11-411B10.2	14089934	rs8086527	18	14047480	G	A	0.763419	-0.0087582	0.00954814	0.359005	-0.58485	0.0710861	1.91E-16	0.0149751	0.0164269	0.3619707	0.4551432	11	0.83426107
ENSG00000101752	18	MIB1	19284918	rs4467173	18	19413819	A	G	0.237575	-0.0027917	0.00918116	0.761079	0.266614	0.0458654	6.14E-09	-0.0104708	0.0344832	0.7613963	0.5627197	5	0.95711719
ENSG00000141452	18	C18orf8	21083473	rs1788826	18	21154024	A	G	0.650099	0.0048639	0.00844191	0.564507	0.621135	0.0713432	3.14E-18	0.00783066	0.0136208	0.5653565	0.1010937	20	0.89657901
ENSG00000141458	18	NPC1	21086148	rs1788781	18	21165080	A	C	0.460239	-0.005945	0.00806872	0.461249	0.399481	0.0530549	5.09E-14	-0.0148817	0.0202945	0.4633817	0.1930854	15	0.87178458
ENSG00000154040	18	CABYR	21718942	rs4800550	18	21722698	A	G	0.61332	-0.0013551	0.00809592	0.867072	0.827077	0.0912138	1.22E-19	-0.0016384	0.00979026	0.867094	0.03270368	20	0.9761713
ENSG00000265485	18	RP11-449D8.1	22208146	rs11083084	18	22240395	A	G	0.222664	-0.0141359	0.00970275	0.145144	-0.763782	0.11741	7.76E-11	0.0185078	0.0130182	0.1551195	0.4760818	11	0.69271049
ENSG00000260372	18	AQP4-AS1	24235706	rs163224	18	24510753	A	G	0.522863	0.00390575	0.00809872	0.629616	-0.706911	0.0789333	3.37E-19	-0.0055251	0.0114731	0.6301116	0.3992357	9	0.92034788
ENSG00000154080	18	CHST9	24495595	rs12457442	18	24652744	G	T	0.412525	0.0196901	0.00818566	0.0161533	-0.496038	0.0727802	9.39E-12	-0.0396947	0.0174997	0.02331027	0.179282	6	0.42267914
ENSG00000170558	18	CDH2	25530930	rs4338869	18	25457556	C	T	0.392644	-0.0173312	0.0082624	0.035941	0.26034	0.0454671	1.03E-08	-0.0665714	0.0337995	0.04888462	0.2780068	9	0.53502872
ENSG00000166974	18	MAPRE2	32556892	rs611005	18	32658594	C	G	0.121272	0.0012598	0.012968	0.92261	0.307536	0.0511649	1.85E-09	0.00409643	0.0421729	0.9226199	0.7275975	7	0.98307237
ENSG00000153391	18	INO80C	33032194	rs11659874	18	33069644	C	T	0.251491	0.0118334	0.00964766	0.219991	-0.428571	0.0624067	6.54E-12	-0.0276113	0.0228675	0.2272594	0.7779621	20	0.75779347
ENSG00000134779	18	TPGS2	34359987	rs948636	18	34361762	C	G	0.277336	-0.0124092	0.00919108	0.176973	-0.571248	0.063936	4.08E-19	0.021723	0.0162721	0.1818832	0.9995354	20	0.72018284
ENSG00000152240	18	HAUS1	43684298	rs150831718	18	43681446	T	G	0.0526839	0.00277095	0.017869	0.876766	0.850537	0.13809	7.31E-10	0.00325788	0.0210157	0.8768047	0.6265412	6	0.97689669
ENSG00000101638	18	ST8SIA5	44259081	rs9955883	18	44308687	T	C	0.614314	-0.0079136	0.00811702	0.329588	0.335516	0.0580255	7.37E-09	-0.0235865	0.0245341	0.3363641	0.06005105	4	0.82540122
ENSG00000270112	18	RP11-742D12.2	44336450	rs12457104	18	44333879	C	T	0.480119	-0.0160457	0.00808058	0.0470652	0.802252	0.069963	1.94E-30	-0.0200008	0.0102223	0.05039558	0.6694118	20	0.53502872
ENSG00000267322	18	SCARNA17	47340393	rs1790485	18	47344195	C	T	0.762425	0.0039942	0.00874739	0.647948	0.351509	0.0613199	9.90E-09	0.011363	0.0249641	0.6489837	0.7855338	11	0.92641321
ENSG00000101751	18	POLI	51795774	rs3730783	18	51815283	G	A	0.428429	-0.0003246	0.00809063	0.967992	-0.736083	0.0722193	2.15E-24	0.00044105	0.0109915	0.9679926	0.5013086	20	0.99005812
ENSG00000166845	18	C18orf54	51884287	rs1942994	18	51948250	C	T	0.934394	0.00628924	0.0169885	0.711228	1.03727	0.127918	5.11E-16	0.00606326	0.0163951	0.7115162	0.6192857	12	0.94276983
ENSG00000166603	18	MC4R	58038564	rs12969558	18	58182007	T	C	0.196819	0.00432275	0.0118426	0.715099	1.05993	0.116324	8.10E-20	0.00407834	0.011182	0.7153171	0.6199315	12	0.94380637
ENSG00000134444	18	KIAA1468	59854491	rs6567266	18	59994633	C	T	0.833996	0.0217295	0.00989687	0.0281216	-0.282539	0.047136	2.05E-09	-0.076908	0.0373042	0.03924194	0.00282947	8	0.50536048
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.653474	0.0936296	2.97E-12	-0.0079951	0.0188417	0.6713273	0.8541946	5	0.93226001
ENSG00000263720	18	RP11-389J22.1	63532498	rs2046407	18	63539393	A	G	0.707753	-0.0175106	0.00880988	0.0468554	-0.985846	0.094606	2.00E-25	0.017762	0.00909747	0.05088945	0.04920089	20	0.53748703
ENSG00000260578	18	CTD-2541J13.1	65149028	rs1480671	18	65183919	C	G	0.267396	-0.0181455	0.00950987	0.0563819	-0.578068	0.0875045	3.94E-11	0.0313899	0.0171236	0.06678208	0.5010231	6	0.56065982
ENSG00000266258	18	RP11-41O4.1	68002675	rs4891842	18	67974760	T	C	0.269384	0.00213358	0.00854859	0.80291	0.543917	0.0885061	7.97E-10	0.00392262	0.0157297	0.8030691	0.1753893	9	0.96614993
ENSG00000166347	18	CYB5A	71920530	rs8091176	18	71923723	G	A	0.135189	0.00905421	0.0106878	0.396908	0.742323	0.0771794	6.70E-22	0.0121971	0.0144535	0.3987327	0.6694146	20	0.84423725
ENSG00000133313	18	CNDP2	72163051	rs1365249	18	72164097	A	G	0.301193	0.0036411	0.00874838	0.677262	0.497633	0.0580647	1.03E-17	0.00731684	0.0176007	0.6776201	0.7117841	13	0.93468019
ENSG00000264247	18	LINC00909	72259010	rs7505289	18	72264406	G	A	0.852883	0.00502044	0.0118153	0.670902	-0.458091	0.0757168	1.45E-09	-0.0109595	0.025856	0.6716636	0.9550645	4	0.93241105
ENSG00000130856	18	ZNF236	74534563	rs12457906	18	74555593	G	A	0.373757	0.0109996	0.0082233	0.181023	-0.239491	0.040872	4.64E-09	-0.0459291	0.0352199	0.1922108	0.4213139	15	0.7293332
ENSG00000267655	18	CTD-2286N8.2	76877207	rs8085451	18	76808881	A	G	0.248509	-0.0074233	0.00923865	0.421683	-0.502149	0.084964	3.42E-09	0.0147831	0.0185675	0.4259265	0.1099863	15	0.8584192
ENSG00000267127	18	RP11-795F19.5	77794346	rs72976317	18	77848209	T	C	0.861829	0.00662401	0.0131125	0.613441	-1.0311	0.122211	3.25E-17	-0.0064242	0.0127398	0.6140755	0.4147676	20	0.9147172
ENSG00000101546	18	RBFA	77794358	rs8096348	18	77825055	T	C	0.505964	-0.0003265	0.00808901	0.967804	0.420258	0.0703311	2.29E-09	-0.0007769	0.0192482	0.9678042	0.1733402	7	0.99005812
ENSG00000261126	18	RBFADN	77806900	rs8098075	18	77828160	C	T	0.725646	0.0078693	0.00968844	0.416656	-0.967951	0.0864827	4.44E-29	-0.0081299	0.0100355	0.4178795	0.4972185	20	0.85625643
ENSG00000267251	18	AC139100.3	77941563	rs11661412	18	77936878	A	C	0.214712	0.00151947	0.0088563	0.863776	0.578882	0.103547	2.26E-08	0.00262484	0.0153062	0.8638396	0.9582873	10	0.9761713
ENSG00000099866	19	MADCAM1	489176	rs10419509	19	485953	A	C	0.394632	-0.0048402	0.00824695	0.557267	0.461458	0.0826925	2.40E-08	-0.0104889	0.0179701	0.5594307	0.1026809	5	0.89615301
ENSG00000266933	19	AC005775.2	490046	rs3999751	19	488476	C	G	0.440358	-0.0036035	0.00820386	0.66049	-0.819089	0.0905861	1.54E-19	0.00439934	0.0100276	0.6608637	0.1664139	13	0.9296996
ENSG00000099804	19	CDC34	531714	rs10409849	19	535621	G	C	0.478131	-0.0172685	0.00818662	0.034914	0.226806	0.0321924	1.85E-12	-0.0761378	0.0376783	0.04330754	0.6153177	7	0.52475565
ENSG00000197540	19	GZMM	544034	rs7259421	19	535004	C	T	0.382704	-0.015684	0.00834192	0.0600897	0.443508	0.0621877	9.91E-13	-0.0353635	0.0194516	0.06906001	0.188685	10	0.56129172
ENSG00000175221	19	MED16	867962	rs113862848	19	864861	T	C	0.28827	0.0116669	0.00978774	0.233266	-0.452167	0.071875	3.15E-10	-0.0258022	0.0220314	0.2415369	0.2319356	8	0.76586993
ENSG00000116017	19	ARID3A	925781	rs350149	19	933196	C	T	0.791252	0.00522704	0.0111247	0.638455	0.657468	0.0852418	1.23E-14	0.00795026	0.0169519	0.6390771	0.5310381	3	0.92237337
ENSG00000267159	19	AC005391.2	928257	rs350149	19	933196	C	T	0.791252	0.00522704	0.0111247	0.638455	0.835938	0.116031	5.83E-13	0.0062529	0.0133363	0.6391676	0.2188802	6	0.92237337
ENSG00000065268	19	WDR18	983174	rs2240149	19	990819	A	G	0.59841	-0.0056639	0.00817986	0.488673	-0.376665	0.0440192	1.16E-17	0.015037	0.0217875	0.4900894	0.1229983	20	0.87932853
ENSG00000116032	19	GRIN3B	1000418	rs73920542	19	1015908	T	C	0.223658	-0.0117402	0.0102608	0.252547	0.74595	0.0910224	2.50E-16	-0.0157386	0.0138888	0.257135	0.01595302	15	0.77529567
ENSG00000182087	19	TMEM259	1009647	rs2240160	19	1011215	A	G	0.172962	0.0102974	0.0097719	0.291983	0.360821	0.0582838	5.99E-10	0.0285388	0.0274719	0.2988817	0.02179899	6	0.80667732
ENSG00000064687	19	ABCA7	1040102	rs11879910	19	1039991	C	T	0.870775	0.0113146	0.0104206	0.277575	-0.842146	0.103704	4.64E-16	-0.0134354	0.012484	0.2818315	0.4875538	19	0.79513447
ENSG00000180448	19	HMHA1	1065922	rs1142926	19	1085252	A	T	0.459245	0.00395933	0.00810081	0.625013	-0.525004	0.0756708	3.98E-12	-0.0075415	0.0154682	0.6258693	0.2188003	16	0.91925859
ENSG00000099817	19	POLR2E	1086594	rs6843	19	1088285	C	T	0.755467	0.00190824	0.00911844	0.834235	-0.341713	0.0599834	1.22E-08	-0.0055843	0.0267025	0.8343455	0.07136241	14	0.97330482
ENSG00000064932	19	SBNO2	1107636	rs67407316	19	1176316	T	C	0.50497	0.00738408	0.00808116	0.360854	0.507863	0.0663718	1.98E-14	0.0145395	0.0160251	0.3642513	0.8539513	11	0.83426107
ENSG00000228300	19	C19orf24	1275026	rs12488	19	1272040	C	T	0.795229	0.00162091	0.0102856	0.874779	0.29273	0.0473911	6.54E-10	0.00553722	0.0351482	0.8748201	0.2240401	4	0.97689669
ENSG00000160953	19	MUM1	1285890	rs2668426	19	1372050	A	C	0.724652	0.00860866	0.00831259	0.300381	-0.399546	0.0703505	1.35E-08	-0.0215461	0.0211482	0.3082896	0.8756321	3	0.80979683
ENSG00000115266	19	APC2	1446300	rs3894776	19	1457370	T	C	0.582505	-0.0003327	0.00854577	0.968943	0.733667	0.0594462	5.40E-35	-0.0004535	0.0116481	0.9689433	0.7755004	13	0.99005812
ENSG00000115257	19	PCSK4	1481427	rs2656886	19	1496153	T	C	0.37674	-0.0040439	0.00831509	0.626735	-0.449702	0.0656863	7.58E-12	0.00899231	0.0185368	0.6276015	0.6951744	7	0.91925859
ENSG00000115255	19	REEP6	1491165	rs2292451	19	1525392	T	C	0.301193	-0.0024497	0.00882455	0.781318	-0.340471	0.0596928	1.17E-08	0.00719503	0.0259493	0.781571	0.177551	6	0.96342048
ENSG00000185988	19	PLK5	1524073	rs2668405	19	1525854	A	G	0.27336	-0.0027097	0.0100275	0.786984	0.659394	0.0847728	7.35E-15	-0.0041094	0.0152163	0.7871088	0.8492518	8	0.96375538
ENSG00000267244	19	CTB-31O20.4	1822088	rs893538	19	1818952	G	C	0.769384	-0.0039136	0.00915553	0.669046	-0.441346	0.0790915	2.40E-08	0.00886744	0.0208053	0.6699549	0.9625927	6	0.93167988
ENSG00000227500	19	SCAMP4	1905213	rs35608810	19	1908814	A	C	0.0596421	0.00765882	0.0188658	0.684769	-0.573957	0.0876022	5.68E-11	-0.0133439	0.0329327	0.6853407	0.8566544	8	0.93565052
ENSG00000133243	19	BTBD2	1985447	rs11669527	19	1987279	T	C	0.247515	0.00166924	0.0111016	0.88048	0.271159	0.042666	2.08E-10	0.00615595	0.0409528	0.8805135	0.5744527	18	0.97689669
ENSG00000104885	19	DOT1L	2164148	rs75613123	19	2223275	T	C	0.0516899	-0.0102597	0.0162455	0.527689	0.803964	0.127058	2.49E-10	-0.0127614	0.0203071	0.5297297	0.05766729	14	0.88710629
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	1.08331	0.107665	8.15E-24	-0.0147609	0.0100837	0.1432372	0.6757389	5	0.68835807
ENSG00000130332	19	LSM7	2321516	rs12977961	19	2326897	T	C	0.619284	-0.0014032	0.00818766	0.863922	0.293106	0.0391344	6.90E-14	-0.0047875	0.0279414	0.8639575	0.03937411	16	0.9761713
ENSG00000005206	19	SPPL2B	2328614	rs757321	19	2360011	T	C	0.626243	-0.0095596	0.00812883	0.23959	-0.259532	0.0422191	7.88E-10	0.036834	0.0318891	0.2480638	0.00656809	7	0.77298486
ENSG00000178297	19	TMPRSS9	2389769	rs144867377	19	2449921	C	G	0.054672	0.0145139	0.0169575	0.392053	1.38935	0.252888	3.93E-08	0.0104465	0.0123526	0.3977216	0.7409662	13	0.84421833
ENSG00000099800	19	TIMM13	2425622	rs6945	19	2426828	C	G	0.44831	0.020336	0.00808891	0.0119349	0.267669	0.0362756	1.60E-13	0.0759744	0.0319257	0.01732563	0.04819425	14	0.38773182
ENSG00000172009	19	THOP1	2785458	rs1736193	19	2785273	C	G	0.234592	0.0103908	0.00905197	0.251007	0.251051	0.0361824	3.96E-12	0.0413892	0.0365464	0.2574198	0.7998269	14	0.77529567
ENSG00000060558	19	GNA15	3136191	rs170159	19	3149990	C	G	0.765408	-0.0017659	0.0097744	0.856629	-1.29317	0.0905596	2.93E-46	0.00136557	0.00755909	0.8566404	0.4310557	18	0.9761713
ENSG00000125912	19	NCLN	3185561	rs566476	19	3187386	A	T	0.460239	0.00933302	0.00814695	0.251967	-0.303324	0.0374648	5.67E-16	-0.0307691	0.0271264	0.2566746	0.8944034	19	0.77529567
ENSG00000161082	19	CELF5	3224701	rs17852497	19	3224896	C	G	0.225646	-0.0064745	0.0100203	0.518191	-0.315487	0.0568914	2.93E-08	0.0205221	0.0319762	0.5210079	0.9313635	3	0.88693216
ENSG00000105325	19	FZR1	3506271	rs2286545	19	3526699	C	T	0.446322	-0.0204674	0.00806382	0.0111429	-0.402178	0.0463781	4.26E-18	0.0508914	0.0208916	0.01485173	0.9991186	17	0.37299146
ENSG00000161091	19	MFSD12	3538259	rs10403057	19	3511946	C	T	0.440358	-0.0205099	0.00806406	0.0109789	-0.511085	0.0622077	2.11E-16	0.0401301	0.0165171	0.0151149	0.9940567	20	0.374514
ENSG00000183397	19	C19orf71	3539152	rs8100223	19	3536816	C	T	0.456262	-0.01513	0.00804189	0.059917	-0.621311	0.0638589	2.26E-22	0.0243517	0.0131832	0.06472107	0.6679737	20	0.56029797
ENSG00000183617	19	MRPL54	3762662	rs2302307	19	3761652	A	G	0.627237	0.00012142	0.00837472	0.988433	0.584806	0.0520998	3.08E-29	0.00020762	0.0143205	0.9884326	0.8947922	12	0.99780143
ENSG00000077463	19	SIRT6	4174106	rs75624033	19	4188143	A	C	0.129225	-0.0171938	0.0117991	0.145056	0.64788	0.0647156	1.36E-23	-0.0265386	0.0184038	0.1492977	0.08756643	7	0.68898871
ENSG00000089847	19	ANKRD24	4183351	rs74254911	19	4194133	G	A	0.125249	-0.0175299	0.0119375	0.141973	0.524593	0.0881542	2.67E-09	-0.0334162	0.0234383	0.1539531	0.5903468	4	0.69271049
ENSG00000105248	19	CCDC94	4247076	rs7259795	19	4256313	C	T	0.265408	0.017236	0.00911842	0.0587259	0.455009	0.0493223	2.83E-20	0.0378806	0.0204564	0.06405923	0.5752914	20	0.56029797
ENSG00000105251	19	SHD	4278598	rs12461969	19	4257635	G	T	0.257455	0.0172811	0.00911772	0.0580484	0.853711	0.0904448	3.76E-21	0.0202423	0.0108933	0.06313497	0.5648521	20	0.55880585
ENSG00000178078	19	STAP2	4324040	rs55913120	19	4334402	T	C	0.439364	0.0133193	0.00808269	0.0993757	0.440712	0.0602772	2.64E-13	0.0302222	0.0188001	0.1079327	0.2155949	13	0.64547139
ENSG00000267980	19	AC007292.6	4363786	rs11666453	19	4368797	A	G	0.239563	-0.0025136	0.0108971	0.817573	-0.521307	0.0662781	3.68E-15	0.00482173	0.0209124	0.8176506	0.02054114	13	0.96881317
ENSG00000167670	19	CHAF1A	4402659	rs72990643	19	4454736	T	C	0.262425	-0.0131747	0.0102973	0.200747	-0.913296	0.0855389	1.30E-26	0.0144254	0.0113555	0.203962	0.00658644	14	0.74155842
ENSG00000267769	19	CTB-50L17.9	4454011	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-1.02889	0.077019	1.05E-40	0.00476716	0.0107047	0.656078	0.02731964	20	0.92834527
ENSG00000142002	19	DPP9	4675236	rs8101703	19	4717187	A	G	0.759443	0.0106267	0.00857026	0.214993	-0.369994	0.0556507	2.96E-11	-0.0287213	0.0235626	0.2228696	0.4779341	3	0.75497764
ENSG00000176840	19	MIR7-3HG	4769117	rs3760955	19	4772202	C	A	0.333996	-0.0106249	0.00850479	0.211562	-0.731382	0.0675219	2.43E-27	0.0145272	0.0117055	0.2145847	0.1450022	18	0.74800164
ENSG00000196365	19	LONP1	5691845	rs35335072	19	5708720	T	C	0.350895	-0.0018192	0.0083846	0.828231	-0.58703	0.0548736	1.04E-26	0.00309901	0.014286	0.8282662	0.642699	20	0.97172485
ENSG00000141994	19	DUS3L	5784843	rs113649884	19	5795083	G	A	0.196819	-0.0070684	0.00965774	0.464233	-0.510904	0.0630975	5.63E-16	0.0138352	0.0189803	0.4660493	0.4487798	11	0.87288393
ENSG00000174886	19	NDUFA11	5891287	rs72989070	19	5895358	T	C	0.185885	-0.0081055	0.00977273	0.406877	-0.333669	0.0498804	2.24E-11	0.0242921	0.029513	0.4104516	0.3477558	20	0.85000195
ENSG00000105519	19	CAPS	5911718	rs35952442	19	5889071	T	C	0.0974155	0.0116444	0.0180013	0.517722	0.661327	0.116959	1.56E-08	0.0176076	0.0273975	0.5204366	0.4991985	8	0.88693216
ENSG00000181240	19	SLC25A41	6426048	rs2860181	19	6436305	T	C	0.487078	-0.017558	0.00829139	0.0342074	-0.510907	0.0571346	3.82E-19	0.0343663	0.0166776	0.0393387	0.2008302	18	0.50536048
ENSG00000125648	19	SLC25A23	6436090	rs3929160	19	6434023	C	T	0.519881	-0.0131685	0.00817536	0.107232	0.424126	0.0656969	1.08E-10	-0.0310486	0.0198667	0.1180894	0.5535913	16	0.66110705
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.724057	0.0638842	8.92E-30	-0.0057224	0.0115479	0.6202225	0.04972495	16	0.91802866
ENSG00000268758	19	EMR4P	6952511	rs10418534	19	7002994	C	T	0.194831	-0.0076504	0.0103528	0.459923	0.619207	0.108164	1.04E-08	-0.0123552	0.0168582	0.4636242	0.9416969	7	0.87178458
ENSG00000171105	19	INSR	7112266	rs1799815	19	7125519	A	G	0.0526839	0.0309387	0.0160179	0.0534208	-0.636308	0.0994268	1.56E-10	-0.0486222	0.0262947	0.06443966	0.07787182	6	0.56029797
ENSG00000090659	19	CD209	7804879	rs4804802	19	7807610	G	A	0.885686	-0.003083	0.0116376	0.791072	1.12537	0.142407	2.73E-15	-0.0027396	0.0103469	0.7911872	0.44118	5	0.96375538
ENSG00000104938	19	CLEC4M	7828035	rs868876	19	7831226	T	A	0.293241	0.0144448	0.00874744	0.0986734	-0.621751	0.0983032	2.54E-10	-0.0232325	0.0145406	0.1100966	0.0251948	5	0.65010932
ENSG00000268297	19	CLEC4GP1	7852435	rs4804802	19	7807610	G	A	0.885686	-0.003083	0.0116376	0.791072	1.19955	0.139663	8.78E-18	-0.0025701	0.00970625	0.7911696	0.2509075	3	0.96375538
ENSG00000142459	19	EVI5L	7895119	rs553205	19	7909255	T	C	0.437376	0.0112086	0.00807714	0.165229	0.301567	0.0424686	1.24E-12	0.0371679	0.0272906	0.1732195	0.420638	14	0.71004558
ENSG00000104980	19	TIMM44	7991603	rs12980612	19	8013906	G	A	0.0854871	-0.020085	0.0157661	0.202686	1.21124	0.0942543	8.52E-38	-0.0165822	0.0130803	0.2048973	0.1931766	9	0.74155842
ENSG00000267939	19	CTD-2325M2.1	8073613	rs117407996	19	8011392	C	T	0.2167	0.0107678	0.0101824	0.290287	-0.610372	0.110157	3.01E-08	-0.0176414	0.0169834	0.2989243	0.3392396	7	0.80667732
ENSG00000233927	19	RPS28	8386042	rs3965185	19	8395410	C	T	0.537773	0.0125242	0.00808021	0.121145	-0.31218	0.0330264	3.31E-21	-0.0401185	0.0262288	0.1261264	0.7910554	11	0.66875442
ENSG00000186994	19	KANK3	8387468	rs2913960	19	8404102	T	C	0.185885	0.00308335	0.0103906	0.766662	0.608633	0.0735944	1.34E-16	0.00506603	0.017083	0.7668075	0.3948647	4	0.95821133
ENSG00000099785	19	2-Mar	8478154	rs35279560	19	8537096	T	G	0.282306	0.0295385	0.00953395	0.0019467	0.428223	0.0624327	6.94E-12	0.0689792	0.02443	0.00474954	0.1026984	20	0.27554195
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.1577	0.106063	9.75E-28	0.00243967	0.0149504	0.8703728	0.778608	13	0.9761713
ENSG00000188629	19	ZNF177	9435021	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-0.777693	0.131674	3.50E-09	0.00363178	0.0222616	0.8704075	0.8182539	9	0.9761713
ENSG00000174652	19	ZNF266	9523272	rs28653095	19	9544652	A	C	0.559642	0.00146627	0.00810406	0.856422	0.998322	0.0637738	3.11E-55	0.00146873	0.00811822	0.8564318	0.8592142	20	0.9761713

ENSG00000171469	19	ZNF561	9715356	rs13346825	19	9848809	C	G	0.154076	-0.0002929	0.0104079	0.977552	-0.458425	0.0668245	6.88E-12	0.00063884	0.0227038	0.9775521	0.5951206	4	0.99269132
ENSG00000105088	19	OLFM2	9964394	rs12609337	19	10090634	G	A	0.238569	0.0154422	0.00906255	0.0883894	0.274652	0.0486423	1.64E-08	0.0562246	0.0344663	0.1028283	0.8233238	10	0.63826532
ENSG00000080573	19	COL5A3	10070237	rs7252953	19	10102676	G	A	0.333002	0.00691091	0.00878443	0.431445	-0.493994	0.0601406	2.14E-16	-0.0139899	0.0178638	0.4335456	0.1206098	12	0.86298249
ENSG00000105397	19	TYK2	10461209	rs280497	19	10464687	G	A	0.517893	0.00404333	0.00811017	0.618096	0.293116	0.0429236	8.56E-12	0.0137943	0.0277424	0.6190288	0.3435253	20	0.91759776
ENSG00000129347	19	KRI1	10663761	rs1465701	19	10678842	C	T	0.777336	-0.0143817	0.0094741	0.129015	0.541716	0.0570523	2.20E-21	-0.0265484	0.0177111	0.1338824	0.09588918	15	0.67495201
ENSG00000267174	19	CTC-510F12.4	11411453	rs1975776	19	11405804	G	A	0.241551	0.017196	0.00887943	0.0527922	-0.487034	0.0841096	7.02E-09	-0.0353076	0.0192243	0.06626671	0.03534798	7	0.56065982
ENSG00000267500	19	CTD-2006C1.6	11759179	rs10407232	19	11762102	A	C	0.233598	0.0199293	0.0100896	0.0482414	-0.519939	0.0739738	2.08E-12	-0.0383301	0.0201571	0.05722729	0.3428237	15	0.5488752
ENSG00000267343	19	CTC-499B15.4	11793361	rs112225946	19	11751914	G	C	0.233598	0.0198502	0.0100902	0.0491519	-0.701016	0.0772784	1.18E-19	-0.0283163	0.0147283	0.05453238	0.1020644	20	0.54765098
ENSG00000214189	19	ZNF788	12203078	rs11670621	19	12189379	T	C	0.488072	0.009183	0.00808745	0.256181	-0.696941	0.0685578	2.82E-24	-0.0131762	0.0116764	0.2591317	0.05733147	12	0.77529567
ENSG00000197857	19	ZNF44	12335501	rs438963	19	12404576	C	A	0.294235	-0.0065869	0.00886883	0.457664	0.397776	0.0563338	1.65E-12	-0.0165593	0.022419	0.4601345	0.3207812	4	0.87178458
ENSG00000242852	19	ZNF709	12571998	rs7255380	19	12534520	A	G	0.463221	0.00455574	0.00807109	0.572447	0.495764	0.0649678	2.33E-14	0.00918933	0.0163246	0.5734936	0.8981422	4	0.9004891
ENSG00000249709	19	ZNF564	12636184	rs4804718	19	12648793	T	C	0.652087	0.0148581	0.00868426	0.0870944	-0.42685	0.0700601	1.11E-09	-0.0348087	0.021132	0.09951557	0.7035902	4	0.6332528
ENSG00000269560	19	CTD-2192J16.21	12640582	rs7252992	19	12641060	T	A	0.700795	0.0151389	0.00925534	0.101905	-0.613034	0.100003	8.78E-10	-0.024695	0.0156258	0.1140149	0.9296242	4	0.65668723
ENSG00000213290	19	PGK1P2	12670385	rs2059850	19	12664147	A	C	0.647117	0.00456166	0.00824773	0.580208	-0.817426	0.106679	1.82E-14	-0.0055805	0.0101161	0.5811913	0.9518785	17	0.9004891
ENSG00000132026	19	RTBDN	12936292	rs8012	19	13010520	G	A	0.521869	-0.0028336	0.00806037	0.72518	0.375742	0.0646933	6.32E-09	-0.0075413	0.0214911	0.7256624	0.199015	4	0.94553222
ENSG00000105612	19	DNASE2	12986025	rs2293683	19	13039284	G	A	0.687873	-0.0062144	0.00875193	0.477669	-0.476159	0.0667882	1.01E-12	0.0130511	0.0184712	0.4798384	0.5170114	12	0.87699866
ENSG00000105607	19	GCDH	13001840	rs8012	19	13010520	G	A	0.521869	-0.0028336	0.00806037	0.72518	0.892313	0.0690175	3.10E-38	-0.0031755	0.00903646	0.7252781	0.1552682	20	0.94553222
ENSG00000240616	19	AD000092.3	13004947	rs8012	19	13010520	G	A	0.521869	-0.0028336	0.00806037	0.72518	0.552294	0.0854586	1.03E-10	-0.0051306	0.0146159	0.72557	0.2122703	8	0.94553222
ENSG00000132016	19	C19orf57	13993161	rs28564115	19	14033941	G	A	0.209742	0.00839829	0.0106229	0.429188	-0.621788	0.0872612	1.04E-12	-0.0135067	0.0171893	0.4320069	0.1993555	10	0.86250564
ENSG00000132000	19	PODNL1	14042000	rs74933767	19	14049191	A	G	0.171968	0.00367274	0.0116168	0.751883	-0.610617	0.0920468	3.27E-11	-0.0060148	0.0190463	0.7521549	0.2737139	6	0.95502521
ENSG00000141854	19	hsa-mir-1199	14183348	rs35357458	19	14194458	A	C	0.37674	0.00420135	0.00830249	0.612833	0.30227	0.0390521	9.93E-15	0.0138993	0.0275258	0.6135891	0.2108121	4	0.9147172
ENSG00000160961	19	ZNF333	14800613	rs10404773	19	14804064	A	G	0.292247	-0.0155562	0.00941182	0.0983649	0.313776	0.0560681	2.19E-08	-0.0495774	0.0312762	0.1129328	0.5113076	8	0.65668723
ENSG00000105135	19	ILVBL	15225795	rs16995364	19	15257411	A	T	0.301193	-0.0067346	0.00829107	0.416633	-0.38058	0.0584103	7.24E-11	0.0176957	0.021954	0.4202215	0.1072219	4	0.85707798
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-0.959516	0.0751053	2.24E-37	0.00586042	0.00851634	0.4913653	0.7999609	20	0.88075338
ENSG00000268673	19	LLNLR-249E10.1	15871185	rs3752145	19	15882788	T	C	0.595427	-0.0058603	0.00815741	0.472507	0.743291	0.0923607	8.44E-16	-0.0078843	0.0110184	0.4742629	0.5425789	16	0.87619336
ENSG00000186115	19	CYP4F2	15988833	rs1974567	19	16011142	C	T	0.673956	0.00071004	0.00844976	0.933032	-0.75665	0.115726	6.22E-11	-0.0009384	0.0111683	0.9330378	0.1659403	8	0.98546106
ENSG00000171903	19	CYP4F11	16023177	rs2305800	19	16045294	G	A	0.260437	-0.0048526	0.00916912	0.596645	-0.330438	0.0543063	1.17E-09	0.0146853	0.0278531	0.5980268	0.2737485	5	0.90850217
ENSG00000167460	19	TPM4	16177831	rs2303150	19	16197377	T	C	0.082505	0.00085492	0.0150775	0.954783	-0.623148	0.0897876	3.91E-12	-0.0013719	0.0241965	0.9547844	0.2436176	4	0.98968811
ENSG00000072958	19	AP1M1	16308389	rs2005051	19	16344647	G	A	0.784294	-0.0049147	0.0090336	0.586408	0.345342	0.0522584	3.89E-11	-0.0142314	0.0262469	0.5876715	0.5087622	19	0.90455838
ENSG00000105072	19	C19orf44	16607122	rs967886	19	16607233	C	G	0.841948	0.010735	0.00988882	0.277668	0.706136	0.092707	2.60E-14	0.0152025	0.0141456	0.2825049	0.4939534	8	0.79513447
ENSG00000127526	19	SLC35E1	16660642	rs1020723	19	16727129	G	A	0.0994036	0.0128362	0.0130973	0.327053	-0.501879	0.0900799	2.53E-08	-0.0255763	0.0264972	0.3344224	0.4994676	4	0.82540122
ENSG00000099330	19	OCEL1	17337013	rs14129	19	17339112	A	G	0.107356	-0.0049979	0.0151229	0.741034	-0.870327	0.0905149	6.89E-22	0.00574255	0.0173864	0.7411805	0.846017	14	0.95039525
ENSG00000130312	19	MRPL34	17403418	rs34893599	19	17427786	A	C	0.444334	0.00165576	0.00819921	0.839962	0.268297	0.0367695	2.95E-13	0.00617137	0.0305719	0.840023	0.2499148	4	0.97376482
ENSG00000130304	19	SLC27A1	17579578	rs34761413	19	17588464	G	C	0.414513	-0.0107383	0.0084412	0.203326	-0.40926	0.0458967	4.79E-19	0.0262383	0.0208344	0.2078938	0.3233105	20	0.74406008
ENSG00000269752	19	CTD-3149D2.3	17724531	rs10403756	19	17739221	T	C	0.594433	0.00240016	0.00811054	0.767282	-0.415601	0.0629347	4.01E-11	-0.0057752	0.0195348	0.7675094	0.1109936	6	0.95821133
ENSG00000130475	19	FCHO1	17858527	rs265548	19	17902334	C	T	0.534791	-0.0049299	0.00819406	0.547412	-0.43788	0.0632824	4.53E-12	0.0112586	0.0187836	0.5489184	0.5080257	7	0.89406503
ENSG00000248099	19	INSL3	17927321	rs265546	19	17902704	A	G	0.452286	-0.0087503	0.00810706	0.280434	-0.542317	0.082711	5.50E-11	0.016135	0.0151501	0.286871	0.1450544	6	0.79513447
ENSG00000105639	19	JAK3	17935589	rs265548	19	17902334	C	T	0.534791	-0.0049299	0.00819406	0.547412	-0.672819	0.0647648	2.79E-25	0.00732723	0.0121991	0.548082	0.4741111	11	0.89376842
ENSG00000130518	19	KIAA1683	18367908	rs10854164	19	18384330	C	T	0.377734	0.00803779	0.00824632	0.329703	-0.434614	0.0513676	2.65E-17	-0.0184941	0.0190994	0.3328906	0.9299009	20	0.82527869
ENSG00000006016	19	CRLF1	18683030	rs11668587	19	18829770	G	A	0.354871	0.00571245	0.0081146	0.481451	-0.590864	0.0918671	1.26E-10	-0.009668	0.0138155	0.4840568	0.509876	5	0.87816986
ENSG00000167487	19	KLHL26	18747775	rs11668587	19	18829770	G	A	0.354871	0.00571245	0.0081146	0.481451	-0.3943	0.0665184	3.07E-09	-0.0144876	0.0207244	0.4845149	0.7746784	10	0.87816986
ENSG00000223802	19	CERS1	18979361	rs4808163	19	18988498	A	C	0.89662	0.00321963	0.0122599	0.792846	0.425939	0.0746905	1.18E-08	0.0075589	0.0288137	0.7930619	0.9452057	3	0.96375538
ENSG00000105669	19	COPE	19010323	rs2074798	19	19017572	C	T	0.658052	0.00676443	0.00819084	0.408888	0.242638	0.0383038	2.38E-10	0.0278787	0.0340431	0.4128305	0.172298	6	0.85271139
ENSG00000213999	19	MEF2B	19256377	rs2239370	19	19292674	C	T	0.526839	-0.0111715	0.00827139	0.176819	-0.584603	0.0614795	1.93E-21	0.0191095	0.0142907	0.181158	0.3074866	13	0.72018284
ENSG00000130287	19	NCAN	19322782	rs28618105	19	19318465	A	G	0.116302	0.026488	0.0147079	0.0717133	-0.560768	0.0872065	1.27E-10	-0.0472352	0.0272374	0.08288142	0.6706004	7	0.59275403
ENSG00000213996	19	TM6SF2	19375173	rs1054284	19	19616953	G	T	0.323062	0.00836001	0.0091802	0.362477	0.477222	0.0834213	1.06E-08	0.0175181	0.019479	0.3684753	0.9357662	7	0.83463738
ENSG00000250067	19	YJEFN3	19627036	rs2074295	19	19369435	G	A	0.21173	0.0110694	0.0108374	0.30706	-0.338029	0.055661	1.26E-09	-0.0327469	0.0325109	0.3138097	0.3294725	7	0.81455426
ENSG00000181896	19	ZNF101	19779605	rs56129543	19	19820475	C	G	0.341948	-0.0011623	0.00905096	0.897817	0.605482	0.086629	2.76E-12	-0.0019197	0.0149509	0.8978341	0.4606277	17	0.98098987
ENSG00000266904	19	LINC00663	19868175	rs2335363	19	19925148	C	T	0.241551	0.00538884	0.00903099	0.550704	0.503985	0.0837022	1.73E-09	0.0106925	0.0180069	0.5526482	0.9097798	16	0.89575241
ENSG00000256771	19	ZNF253	19976695	rs8109457	19	20024876	T	C	0.152087	0.00407646	0.0107014	0.703257	-0.4046	0.0506283	1.33E-15	-0.0100753	0.0264794	0.7035775	0.6641969	20	0.941916
ENSG00000270270	19	CTC-559E9.10	19981532	rs60745231	19	19976988	A	G	0.237575	-0.0031128	0.00898983	0.729149	0.54489	0.0880924	6.19E-10	-0.0057127	0.0165243	0.7295548	0.3881228	6	0.94791236
ENSG00000184635	19	ZNF93	20011722	rs7256224	19	20043680	A	T	0.243539	0.00616724	0.00965249	0.52287	0.662282	0.0946557	2.62E-12	0.00931211	0.0146352	0.524594	0.3637505	6	0.88695061
ENSG00000197124	19	ZNF682	20107867	rs2286923	19	20150247	C	A	0.801193	-0.0089805	0.00979783	0.359362	-0.540512	0.0779589	4.11E-12	0.0166148	0.0182847	0.3635209	0.9881153	20	0.83426107
ENSG00000231205	19	ZNF826P	20451078	rs2701313	19	20595316	T	G	0.377734	-0.0060253	0.00817389	0.461035	-0.603083	0.0848612	1.19E-12	0.00999088	0.0136262	0.4634305	0.8026536	3	0.87178458
ENSG00000237440	19	ZNF737	20718631	rs7250879	19	20725979	C	T	0.0586481	0.0305339	0.0201036	0.128806	-0.660991	0.118353	2.34E-08	-0.0461941	0.031519	0.1427579	0.3039343	6	0.68835807
ENSG00000188171	19	ZNF626	20802867	rs7256231	19	20820609	A	G	0.370775	0.0070152	0.00842545	0.405059	0.682797	0.077905	1.88E-18	0.0102742	0.0123952	0.4071676	0.9589028	13	0.84699128
ENSG00000105750	19	ZNF85	21106028	rs12459569	19	21080130	G	C	0.137177	-0.0131372	0.0143167	0.358821	-0.661434	0.103376	1.57E-10	0.0198617	0.0218664	0.3637091	0.9674275	14	0.83426107
ENSG00000196705	19	ZNF431	21324827	rs145645636	19	21334003	T	C	0.0149105	-0.0671681	0.115578	0.561141	1.90567	0.194708	1.28E-22	-0.0352464	0.0607564	0.5618285	0.8798212	6	0.89657901
ENSG00000240522	19	RPL7AP10	21332451	rs145645636	19	21334003	T	C	0.0149105	-0.0671681	0.115578	0.561141	2.06529	0.237829	3.82E-18	-0.0325224	0.0560873	0.5620141	0.8855387	6	0.89657901
ENSG00000182141	19	ZNF708	21473962	rs7248601	19	21563398	G	A	0.524851	0.0124513	0.00804476	0.121682	-0.340834	0.0586523	6.21E-09	-0.0365319	0.024426	0.1347546	0.1913905	20	0.67495201
ENSG00000172687	19	ZNF738	21541732	rs57055133	19	21550330	C	T	0.258449	-0.0156118	0.00888322	0.0788406	-0.465453	0.0778209	2.22E-09	0.0335411	0.0198919	0.09176414	0.04388421	6	0.61546554
ENSG00000196268	19	ZNF493	21579921	rs8109757	19	21780307	C	T	0.337972	0.00679788	0.00835717	0.415979	-0.405695	0.0462454	1.74E-18	-0.0167561	0.020688	0.417972	0.8552924	20	0.85625643
ENSG00000268119	19	CTD-2561J22.5	21627043	rs4809152	19	21781974	T	G	0.333002	0.00684467	0.00847646	0.419383	-1.052	0.0794325	4.89E-40	-0.0065063	0.00807243	0.4202458	0.9457161	20	0.85707798
ENSG00000197013	19	ZNF429	21679484	rs1113577	19	21749035	C	T	0.586481	0.00059038	0.00822929	0.942808	-0.7247	0.0672119	4.17E-27	-0.0008147	0.0113557	0.9428089	0.9103996	20	0.98860811
ENSG00000268081	19	RP11-678G14.2	21737442	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-0.796909	0.0996573	1.28E-15	-0.0076584	0.0106834	0.4734652	0.9858948	20	0.87583007
ENSG00000268555	19	RP11-678G14.3	21753624	rs12972148	19	21785029	G	A	0.404573	0.00243975	0.00809959	0.763247	-1.08862	0.0905615	2.76E-33	-0.0022411	0.00744257	0.7633196	0.957178	20	0.95713352
ENSG00000268240	19	RP11-678G14.4	21770234	rs7260175	19	21805755	A	G	0.33002	0.00686976	0.00853909	0.421104	-0.733135	0.098458	9.61E-14	-0.0093704	0.0117151	0.4237963	0.9382867	18	0.8584192
ENSG00000271182	19	RP11-678G14.5	21817635	rs7257161	19	21821184	G	A	0.323062	-0.0010204	0.00858442	0.905386	-0.53669	0.0867611	6.18E-10	0.00190119	0.0159981	0.9054031	0.6079716	14	0.98098987
ENSG00000268278	19	RP11-420K14.1	21820776	rs10084114	19	21821966	G	A	0.277336	0.00426219	0.00888165	0.631308	-1.02604	0.0900809	4.68E-30	-0.004154	0.00866392	0.6316101	0.8698516	20	0.92144471
ENSG00000268433	19	RP11-420K14.2	21860352	rs12972148	19	21785029	G	A	0.404573	0.00243975	0.00809959	0.763247	-0.956646	0.0861694	1.23E-28	-0.0025503	0.00846977	0.763332	0.9412341	20	0.95713352
ENSG00000268535	19	RP11-420K14.3	21892324	rs6511291	19	21950402	C	T	0.558648	-0.0002329	0.00806833	0.976969	-0.965077	0.0939729	9.65E-25	0.00024135	0.00836033	0.9769695	0.282061	20	0.99269132
ENSG00000268117	19	VN1R84P	21902603	rs8102320	19	21936885	G	A	0.55666	0.00048193	0.0080622	0.952334	-0.996957	0.0890002	4.00E-29	-0.0004834	0.00808692	0.9523346	0.2499493	20	0.98968811
ENSG00000197020	19	ZNF100	21905568	rs10412066	19	21950337	C	G	0.294235	-0.0081587	0.00840561	0.331733	-0.433132	0.0678579	1.74E-10	0.0188366	0.0196297	0.3372584	0.8077753	15	0.82540122
ENSG00000197134	19	ZNF257	22235254	rs3813591	19	22321256	C	T	0.32505	-0.0122426	0.00848229	0.148932	0.890045	0.109451	4.23E-16	-0.013755	0.00967913	0.1552868	0.9217298	20	0.69271049
ENSG00000229676	19	ZNF492	22817126	rs8102516	19	22810121	A	G	0.130219	0.00082229	0.0135345	0.951555	-0.93268	0.163658	1.21E-08	-0.0008816	0.0145122	0.9515572	0.9943068	14	0.98968811
ENSG00000183850	19	ZNF730	23258012	rs1844532	19	23330883	C	T	0.654076	-0.003238	0.00877571	0.712152	0.867996	0.0938648	2.30E-20	-0.0037304	0.0101184	0.7123708	0.6744598	20	0.94276983
ENSG00000269416	19	CTB-175P5.4	23582035	rs608461	19	23642411	A	G	0.253479	-0.0081831	0.00933134	0.380514	1.15884	0.0853995	6.06E-42	-0.0070615	0.00806911	0.3815067	0.1055674	20	0.83846816
ENSG00000196172	19	ZNF681	23921997	rs73023850	19	23922018	A	T	0.133201	0.016818	0.010946	0.12443	-0.635307	0.0974804	7.16E-11	-0.0264722	0.0177018	0.1347954	0.2011171	7	0.67495201
ENSG00000213967	19	ZNF726	24097678	rs7246207	19	24113684	A	G	0.428429	0.00244946	0.00808278	0.761854	-0.516004	0.0801112	1.19E-10	-0.004747	0.0156815	0.7621095	0.2381866	17	0.95713352
ENSG00000261770	19	CTC-459F4.1	28248092	rs6510333	19	28312200	G	A	0.847913	0.0136975	0.00918799	0.136013	-1.39781	0.106771	3.67E-39	-0.0097993	0.00661561	0.1385448	0.8102207	14	0.67994801
ENSG00000267264	19	CTC-459F4.6	28294446	rs6510333	19	28312200	G	A	0.847913	0.0136975	0.00918799	0.136013	0.908981	0.116109	4.93E-15	0.0150691	0.0102897	0.1430607	0.824339	9	0.68835807
ENSG00000264515	19	CTC-525D6.1	29777918	rs55637461	19	29890797	A	T	0.0666004	0.0100395	0.021321	0.63773	1.32932	0.150501	1.02E-18	0.00755236	0.0160618	0.6382078	0.636873	15	0.92237337
ENSG00000266248	19	CTC-525D6.2	29980682	rs55637461	19	29890797	A	T	0.0666004	0.0100395	0.021321	0.63773	1.08694	0.14249	2.38E-14	0.00923648	0.019653	0.6383699	0.7821305	12	0.92237337
ENSG00000187135	19	VSTM2B	30017406	rs55637461	19	29890797	A	T	0.0666004	0.0100395	0.021321	0.63773	1.34927	0.153612	1.58E-18	0.00744069	0.0158246	0.6382131	0.666346	15	0.92237337
ENSG00000267213	19	AC007773.2	32880956	rs2302771	19	32896832	G	C	0.513917	-0.0060236	0.00806167	0.454949	0.474112	0.0803529	3.63E-09	-0.012705	0.0171395	0.4585304	0.923884	7	0.87144074
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.264209	0.0399439	3.73E-11	0.00402136	0.0306042	0.8954595	0.5398944	4	0.98098987
ENSG00000105186	19	ANKRD27	33087913	rs149838984	19	33155358	C	T	0.0367793	0.00813138	0.0240618	0.735411	1.28574	0.150171	1.11E-17	0.00632428	0.0187289	0.7356086	0.4303725	12	0.94830822
ENSG00000021488	19	SLC7A9	33321415	rs61743316	19	33366829	G	C	0.186879	0.0068217	0.0102418	0.505371	-0.886276	0.0753986	6.69E-32	-0.007697	0.0115745	0.5060519	0.4853104	20	0.88300558
ENSG00000076650	19	GPATCH1	33571786	rs28372855	19	33572089	C	G	0.147117	-0.0090892	0.0125588	0.469231	0.561193	0.0886246	2.42E-10	-0.0161962	0.0225244	0.4721094	0.9488169	12	0.87541091
ENSG00000124299	19	PEPD	33877856	rs56187503	19	33853260	T	C	0.44334	-0.0023426	0.00817019	0.774326	0.377187	0.0463841	4.23E-16	-0.0062106	0.0216743	0.7744628	0.6552433	20	0.96145064
ENSG00000153885	19	KCTD15	34286838	rs35393341	19	34298582	A	G	0.327038	-0.0130462	0.00877105	0.136905	-0.649901	0.082048	2.36E-15	0.0200741	0.0137319	0.1437782	0.0032146	11	0.68835807
ENSG00000089335	19	ZNF302	35168544	rs10401309	19	35175749	G	C	0.115308	-0.0008643	0.0124057	0.944459	-1.04554	0.108485	5.54E-22	0.00082661	0.0118657	0.9444609	0.2297549	10	0.98860811
ENSG00000197841	19	ZNF181	35225060	rs7259475	19	35270543	T	G	0.304175	-0.0113936	0.00869487	0.190065	-0.598918	0.0648456	2.56E-20	0.0190236	0.014663	0.1944972	0.46203	12	0.73212181
ENSG00000168661	19	ZNF30	35417807	rs55712935	19	35418193	T	C	0.338966	-0.0072885	0.00832274	0.381178	-0.774045	0.0691537	4.41E-29	0.00941605	0.0107851	0.3826308	0.6828049	17	0.83852378
ENSG00000236144	19	AD000090.2	36031640	rs59618592	19	36015313	C	A	0.258449	-0.0041312	0.00862522	0.631962	-0.321178	0.0525373	9.76E-10	0.0128626	0.0269373	0.6330031	0.1038705	7	0.92183607
ENSG00000126267	19	COX6B1	36139125	rs4806187	19	36149761	G	A	0.511928	0.00789265	0.00806676	0.327869	-0.387863	0.0415845	1.09E-20	-0.0203491	0.0209121	0.330515	0.455771	20	0.82473356
ENSG00000105668	19	UPK1A	36157715	rs4806187	19	36149761	G	A	0.511928	0.00789265	0.00806676	0.327869	0.970028	0.0757197	1.43E-37	0.00813652	0.00834023	0.329275	0.5203565	20	0.82473356
ENSG00000011590	19	ZBTB32	36195429	rs231588	19	36199020	T	C	0.484095	0.00839211	0.00805028	0.297197	0.545856	0.0780685	2.71E-12	0.0153742	0.014911	0.3025102	0.4974548	17	0.80750206
ENSG00000161265	19	U2AF1L4	36233365	rs10401156	19	36254702	T	C	0.157058	0.0235438	0.0147709	0.110952	0.728866	0.0742733	9.87E-23	0.032302	0.0205312	0.1156464	0.5783404	13	0.65779296
ENSG00000167595	19	C19orf55	36249044	rs2428117	19	36188946	G	A	0.309145	0.00458589	0.00828901	0.580092	-0.348751	0.0623963	2.28E-08	-0.0131495	0.0238839	0.5819361	0.646347	6	0.90059446
ENSG00000225872	19	AC002398.5	36279778	rs75120684	19	36288595	C	G	0.028827	0.0221798	0.0202265	0.272829	-0.784866	0.130851	2.00E-09	-0.0282593	0.0261978	0.2807245	0.9289402	4	0.79513447
ENSG00000126247	19	CAPNS1	36630477	rs14100	19	36640769	C	T	0.955268	0.0139272	0.0275547	0.613251	0.38351	0.0569855	1.70E-11	0.0363151	0.0720511	0.6142481	0.1652904	7	0.9147172
ENSG00000161281	19	COX7A1	36641824	rs2918333	19	36750539	A	G	0.0616302	-0.0343984	0.0183393	0.0607016	-0.584249	0.101908	9.86E-09	0.0588763	0.0330267	0.07463752	0.2412974	4	0.57064283
ENSG00000232677	19	LINC00665	36803969	rs8106095	19	36857810	G	C	0.592445	0.00287605	0.00810389	0.722667	-0.826637	0.0842261	9.75E-23	-0.0034792	0.00980985	0.7228401	0.524018	20	0.94553222
ENSG00000142065	19	ZFP14	36827162	rs61706074	19	36854795	T	C	0.190855	-0.0105945	0.0101848	0.298235	0.371518	0.0656013	1.49E-08	-0.0285168	0.0278726	0.3062554	0.5513805	6	0.80761559
ENSG00000254004	19	ZNF260	37001597	rs7252262	19	36997544	A	C	0.326044	-0.0109531	0.0086193	0.203813	0.302123	0.0509646	3.06E-09	-0.0362538	0.0291772	0.2140386	0.5181607	4	0.74800164
ENSG00000233527	19	AC092295.7	37063972	rs3108208	19	37140528	T	C	0.599404	0.00069012	0.00835463	0.934167	-0.534088	0.0830105	1.24E-10	-0.0012922	0.0156441	0.934172	0.5485047	8	0.98615066
ENSG00000267260	19	CTD-2162K18.4	37264055	rs8107274	19	37285393	C	T	0.196819	-0.0156676	0.0108487	0.148686	-0.92032	0.111283	1.34E-16	0.0170241	0.0119664	0.154834	0.8549065	20	0.69271049
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.06929	0.100578	2.13E-26	-0.0059468	0.00797141	0.4556553	0.1331196	20	0.86795298
ENSG00000267470	19	ZNF571-AS1	38039816	rs17305326	19	38119547	C	T	0.215706	0.0183239	0.0100916	0.0694081	0.66654	0.102253	7.10E-11	0.0274911	0.0157167	0.08026261	0.2909506	8	0.58735031
ENSG00000196381	19	ZNF781	38158652	rs57654288	19	38078771	A	G	0.361829	-0.0113952	0.00878725	0.194706	-0.398177	0.0545476	2.89E-13	0.0286184	0.0224142	0.2016741	0.4062983	20	0.73857056
ENSG00000105738	19	SIPA1L3	38397868	rs12982030	19	38593652	C	A	0.293241	0.00047581	0.00884479	0.957098	-0.297275	0.0488058	1.12E-09	-0.0016006	0.029754	0.9571002	0.2244245	4	0.98968811
ENSG00000187994	19	RINL	39358470	rs3786543	19	39382913	A	G	0.0805169	-0.0071374	0.01793	0.690577	-0.728101	0.11526	2.67E-10	0.0098028	0.0246745	0.6911581	0.8802118	3	0.9378695
ENSG00000068903	19	SIRT2	39369197	rs7251489	19	39381831	A	G	0.0795229	-0.0022195	0.0206336	0.91434	-0.734412	0.0858347	1.17E-17	0.0030221	0.0280976	0.9143469	0.864788	4	0.98098987
ENSG00000269486	19	CTC-360G5.9	39425976	rs1865049	19	39437560	G	A	0.667992	-0.0023076	0.00866337	0.789958	-0.62327	0.0724266	7.60E-18	0.00370244	0.0139065	0.7900562	0.06456772	16	0.96375538
ENSG00000269190	19	FBXO17	39432044	rs1865048	19	39437559	T	C	0.397614	0.00171637	0.0081585	0.833373	0.631858	0.0722224	2.16E-18	0.00271639	0.0129157	0.83342	0.7474344	6	0.97330482
ENSG00000161243	19	FBXO27	39481354	rs7256126	19	39513654	A	T	0.622266	0.00418676	0.008359	0.616463	-0.533019	0.0532858	1.48E-23	-0.0078548	0.015702	0.6169048	0.5593682	20	0.91573409
ENSG00000183760	19	PAPL	39574553	rs76120018	19	39575149	C	G	0.027833	-0.0495834	0.021185	0.0192584	1.03411	0.168233	7.90E-10	-0.0479479	0.021921	0.0287203	0.6293587	3	0.45603034
ENSG00000130669	19	PAK4	39616410	rs12972566	19	39655452	T	G	0.364811	0.00703308	0.00874591	0.421306	-0.371602	0.0560894	3.47E-11	-0.0189264	0.0237084	0.4246979	0.6496631	15	0.8584192
ENSG00000160460	19	SPTBN4	40972148	rs62107870	19	41073354	T	C	0.153082	-0.0006354	0.0120759	0.958039	-0.370292	0.0644553	9.20E-09	0.00171585	0.0326132	0.9580409	0.4918879	5	0.98968811
ENSG00000090006	19	LTBP4	41098789	rs10405930	19	41116866	C	T	0.440358	0.0154556	0.00808229	0.0558393	0.603124	0.0875653	5.67E-12	0.0256259	0.0139076	0.06538994	0.2144989	20	0.56060246
ENSG00000105245	19	NUMBL	41172596	rs66500423	19	41195170	C	T	0.326044	-0.0021028	0.00845402	0.803571	-0.449672	0.0531577	2.69E-17	0.00467621	0.0188085	0.8036535	0.4638206	8	0.96614993
ENSG00000123815	19	ADCK4	41197434	rs66500423	19	41195170	C	T	0.326044	-0.0021028	0.00845402	0.803571	-0.38483	0.0629277	9.63E-10	0.00546413	0.0219864	0.8037294	0.4510851	7	0.96614993
ENSG00000188493	19	C19orf54	41246761	rs7255821	19	41252772	C	T	0.678926	-0.011063	0.00919481	0.228906	-0.479746	0.0803112	2.32E-09	0.0230601	0.0195509	0.2382025	0.2533145	9	0.76262019
ENSG00000077348	19	EXOSC5	41892279	rs4803461	19	41908871	A	G	0.582505	-0.0022164	0.00835871	0.790886	-0.354576	0.0508301	3.04E-12	0.00625082	0.0235908	0.7910341	0.7787016	5	0.96375538
ENSG00000177191	19	B3GNT8	41931264	rs4802116	19	41905540	T	C	0.585487	-0.0027545	0.00839365	0.742786	-0.781618	0.0919275	1.85E-17	0.00352411	0.0107468	0.7429708	0.8228275	6	0.95082761
ENSG00000007129	19	CEACAM21	42055886	rs3745936	19	42092815	T	A	0.22664	0.0119828	0.00923907	0.194641	-0.655997	0.101636	1.09E-10	-0.0182665	0.0143655	0.2035322	0.9601918	7	0.74155842
ENSG00000234465	19	PINLYP	44080952	rs11407	19	44085827	T	C	0.172962	-0.0064457	0.0105558	0.541442	-0.507288	0.0705011	6.22E-13	0.0127062	0.0208831	0.5428917	0.9741043	9	0.89016904
ENSG00000159871	19	LYPD5	44300081	rs11547806	19	44303066	G	C	0.576541	-0.0004994	0.00831941	0.952129	-0.931045	0.0778786	6.11E-33	0.00053643	0.00893567	0.9521301	0.5936256	17	0.98968811
ENSG00000267191	19	RP11-15A1.2	44406153	rs108775	19	44405922	C	G	0.512922	-0.0039527	0.00806048	0.623866	-0.510418	0.0884198	7.80E-09	0.00774403	0.0158488	0.6251113	0.7858757	4	0.91925859
ENSG00000204920	19	ZNF155	44472014	rs392889	19	44491980	T	C	0.289264	-0.0037107	0.00886225	0.675428	0.4615	0.0731136	2.75E-10	-0.0080406	0.0192453	0.6760987	0.2132828	5	0.93468019
ENSG00000159915	19	ZNF233	44754318	rs1233442	19	44766114	T	C	0.121272	0.00572844	0.0118985	0.630204	0.539796	0.0976277	3.22E-08	0.0106122	0.022126	0.6314924	0.651868	3	0.92144471
ENSG00000267508	19	ZNF285	44886459	rs12983489	19	44901054	C	T	0.152087	-0.0027601	0.0100106	0.782762	-0.625935	0.0789204	2.17E-15	0.00440963	0.0160027	0.7828897	0.3455009	15	0.96342048
ENSG00000167384	19	ZNF180	44979854	rs2571053	19	44976058	C	T	0.662028	-0.0073806	0.00828507	0.373018	0.508478	0.0674898	4.92E-14	-0.0145151	0.0164074	0.3763334	0.5628881	20	0.83735401
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.29277	0.135539	1.46E-21	-0.0048641	0.007851	0.5355518	0.6823487	12	0.88710629
ENSG00000186567	19	CEACAM19	45165545	rs714948	19	45165912	C	A	0.882704	-0.0162152	0.0118069	0.16964	-0.504081	0.0711523	1.40E-12	0.0321678	0.0238587	0.1775727	0.1358182	6	0.71466724
ENSG00000142252	19	GEMIN7	45582453	rs35864669	19	45591771	A	G	0.358847	0.00196916	0.00843791	0.815474	-0.346633	0.0544866	1.99E-10	-0.0056808	0.0243589	0.8155954	0.8595666	13	0.96881317
ENSG00000125741	19	OPA3	46030685	rs12979969	19	46077867	C	T	0.315109	-0.0053144	0.00947352	0.574812	0.499252	0.0584419	1.31E-17	-0.0106448	0.0190163	0.5756352	0.4861109	5	0.9004891
ENSG00000104936	19	DMPK	46272975	rs62111759	19	46296230	T	A	0.468191	-0.0022063	0.00808076	0.784833	0.259619	0.0443396	4.76E-09	-0.0084981	0.0311593	0.7850608	0.2377636	4	0.96375538
ENSG00000268401	19	CTC-344H19.4	46530912	rs12973245	19	46533149	T	C	0.596421	-0.0252886	0.00810441	0.00180638	0.771937	0.0724081	1.55E-26	-0.0327599	0.0109393	0.00274705	0.02820413	6	0.24670388
ENSG00000204869	19	IGFL4	46543006	rs1861791	19	46540233	C	T	0.597416	-0.0241138	0.00809924	0.0029081	-0.371305	0.0675004	3.78E-08	0.0649434	0.024803	0.00883517	0.08099324	3	0.34446388
ENSG00000182013	19	PNMAL1	46969748	rs8107491	19	46975167	A	G	0.705765	0.00992758	0.00885609	0.262293	-0.569574	0.0551147	4.93E-25	-0.0174298	0.0156398	0.2650854	0.7794551	20	0.77910332
ENSG00000105287	19	PRKD2	47177532	rs139064350	19	47207150	C	G	0.0367793	0.0409728	0.0375042	0.274619	1.299	0.226284	9.44E-09	0.0315418	0.0293898	0.2831708	0.995187	3	0.79513447
ENSG00000134815	19	DHX34	47852538	rs755327	19	47877928	T	G	0.207753	-0.0022079	0.00967695	0.819521	0.676675	0.0777982	3.38E-18	-0.0032629	0.0143057	0.8195815	0.8023688	20	0.96917311
ENSG00000105483	19	CARD8	48684027	rs3848539	19	48751346	C	T	0.185885	0.00646864	0.0116844	0.579845	0.540748	0.0911096	2.94E-09	0.0119624	0.0217016	0.5814825	0.995693	4	0.90053248
ENSG00000105479	19	CCDC114	48799714	rs275579	19	48847798	A	G	0.586481	-0.0015853	0.00848574	0.851799	0.607785	0.0882245	5.62E-12	-0.0026084	0.0139669	0.8518525	0.9662473	11	0.9761713
ENSG00000105447	19	GRWD1	48949030	rs11083936	19	48952985	G	A	0.884692	0.0186006	0.0121423	0.125551	0.513918	0.0748143	6.45E-12	0.0361937	0.0242073	0.1348734	0.769321	10	0.67495201
ENSG00000105443	19	CYTH2	48972289	rs7250604	19	49009054	G	A	0.904573	0.0187209	0.0121835	0.124398	0.581073	0.102345	1.37E-08	0.0322178	0.0217216	0.1380163	0.565005	8	0.67816642
ENSG00000088002	19	SULT2B1	49055332	rs12462087	19	49066936	C	T	0.390656	0.0135313	0.00824387	0.100719	-0.525328	0.0893197	4.07E-09	-0.0257578	0.0162925	0.113886	0.2580376	5	0.65668723
ENSG00000105523	19	FAM83E	49104067	rs368654	19	49116555	G	A	0.713718	0.00458391	0.0104829	0.661912	-0.836139	0.098824	2.65E-17	-0.0054822	0.012554	0.6623346	0.3862825	11	0.93017381
ENSG00000142233	19	NTN5	49164664	rs2638282	19	49213833	A	G	0.470179	0.00707459	0.00818666	0.387499	0.390214	0.0702988	2.84E-08	0.01813	0.0212326	0.3931743	0.7963413	5	0.84301004
ENSG00000105538	19	RASIP1	49223844	rs838140	19	49252698	T	C	0.280318	-0.0045989	0.00890066	0.605372	0.347532	0.0611462	1.32E-08	-0.013233	0.0257167	0.6068535	0.7462668	4	0.91287911

ENSG00000182264	19	IZUMO1	49244109	rs838140	19	49252698	T	C	0.280318	-0.0045989	0.00890066	0.605372	0.550149	0.0759083	4.24E-13	-0.0083594	0.0162197	0.6062847	0.7889757	7	0.91287911
ENSG00000104805	19	NUCB1	49403307	rs28450126	19	49408015	A	G	0.128231	0.00712787	0.0119002	0.549194	0.422065	0.06999	1.64E-09	0.0168881	0.0283339	0.5511501	0.02632473	8	0.89521833
ENSG00000161609	19	CCDC155	49891475	rs11668208	19	49906160	T	G	0.256461	-0.0136059	0.00872475	0.118888	1.16273	0.096935	3.78E-33	-0.0117017	0.00756683	0.121997	0.2573906	19	0.66559302
ENSG00000161618	19	ALDH16A1	49956426	rs10406480	19	49966081	G	A	0.754473	-0.0137858	0.00874161	0.114789	-0.760951	0.0871388	2.49E-18	0.0181165	0.0116736	0.1206793	0.000582	11	0.66559302
ENSG00000142534	19	RPS11	49999622	rs2073614	19	50001499	G	A	0.132207	-0.0103455	0.0135689	0.445794	-0.458114	0.0527522	3.81E-18	0.0225828	0.029733	0.4475413	0.089879	9	0.86795298
ENSG00000126464	19	PRR12	50094900	rs7251877	19	50097547	G	A	0.218688	0.0086608	0.00972974	0.373392	0.501515	0.0526283	1.58E-21	0.0172693	0.0194852	0.3754674	0.00309299	18	0.83735401
ENSG00000126456	19	IRF3	50162826	rs2304207	19	50167726	G	C	0.173956	-0.0033627	0.0109508	0.758787	0.433779	0.0655836	3.74E-11	-0.0077521	0.0252723	0.759039	0.4711687	11	0.95650118
ENSG00000010361	19	FUZ	50310126	rs2305919	19	50315698	C	A	0.470179	0.0109312	0.00807532	0.175848	0.302114	0.0500571	1.59E-09	0.0361824	0.0273934	0.1865544	0.3127976	13	0.72629627
ENSG00000039650	19	PNKP	50364461	rs3739209	19	50364423	C	T	0.0208748	0.0522394	0.0271244	0.0541153	-0.695562	0.127201	4.55E-08	-0.0751039	0.0413444	0.06928693	0.7508624	4	0.56129172
ENSG00000161640	19	SIGLEC11	50452242	rs7507392	19	50470850	T	C	0.171968	-0.0035156	0.0113868	0.757518	0.735607	0.111983	5.07E-11	-0.0047791	0.0154965	0.7577777	0.8065485	3	0.95582718
ENSG00000161643	19	SIGLEC16	50472857	rs7408489	19	50467814	G	A	0.171968	-0.0035533	0.0113874	0.755014	0.633816	0.110829	1.07E-08	-0.0056061	0.0179931	0.7553666	0.3914749	4	0.95502521
ENSG00000131401	19	NAPSB	50837053	rs35028989	19	50851934	T	C	0.307157	-0.0099301	0.008699	0.253654	-0.734872	0.081931	2.98E-19	0.0135127	0.0119329	0.2574723	0.1230292	9	0.77529567
ENSG00000213023	19	SYT3	51124564	rs11879170	19	51126928	G	A	0.836978	0.00952573	0.0116227	0.412457	-0.441742	0.075316	4.49E-09	-0.021564	0.0265667	0.4169676	0.7520908	4	0.85560764
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	1.12463	0.104929	8.38E-27	0.00653884	0.00821021	0.425783	0.9788863	10	0.8584192
ENSG00000129451	19	KLK10	51515995	rs2569451	19	51520200	T	C	0.553678	-0.0069231	0.00818022	0.397372	-0.707203	0.0818858	5.80E-18	0.00978944	0.0116224	0.3996257	0.8661267	8	0.84423725
ENSG00000142544	19	CTU1	51600863	rs11084054	19	51601490	A	C	0.802187	0.00231541	0.0113215	0.837952	0.39251	0.070654	2.77E-08	0.00589898	0.0288634	0.8380597	0.4813499	5	0.97376482
ENSG00000267905	19	CTD-2616J11.16	51843949	rs11084068	19	51838845	C	G	0.571571	0.00592039	0.00810747	0.465244	-0.571217	0.0983772	6.38E-09	-0.0103645	0.0143051	0.4687395	0.4409902	5	0.87393624
ENSG00000105497	19	ZNF175	52074551	rs2864106	19	52059152	A	G	0.754473	-0.0112905	0.00931298	0.225381	0.452686	0.0735102	7.36E-10	-0.0249411	0.0209676	0.2342397	0.9610289	16	0.76051447
ENSG00000254415	19	SIGLEC14	52145806	rs872629	19	52130638	A	C	0.124254	-0.0073576	0.010921	0.500496	-0.695308	0.117759	3.54E-09	0.0105817	0.0158086	0.5032631	0.1193868	8	0.88248703
ENSG00000105509	19	HAS1	52216365	rs1551155	19	52224375	C	T	0.728628	0.00878144	0.00969833	0.365223	0.606805	0.100692	1.68E-09	0.0144716	0.016162	0.3705688	0.8343669	10	0.83530855
ENSG00000161551	19	ZNF577	52359055	rs6509592	19	52393150	A	G	0.137177	0.00936454	0.0105837	0.376258	-0.752448	0.134795	2.38E-08	-0.0124454	0.0142413	0.3821738	0.7721709	6	0.83852378
ENSG00000221923	19	ZNF880	52873170	rs8104812	19	52887437	C	A	0.420477	0.00917225	0.00827603	0.267736	0.711843	0.0739371	6.11E-22	0.0128852	0.011703	0.270888	0.2028179	11	0.78416677
ENSG00000167555	19	ZNF528	52901102	rs162123	19	52917626	G	A	0.762425	-0.0017064	0.00925264	0.853681	0.588137	0.0618629	1.96E-21	-0.0029014	0.0157351	0.8537088	0.4726941	14	0.9761713
ENSG00000198633	19	ZNF534	52932440	rs17836094	19	52922410	A	G	0.0874751	-0.0099118	0.0163217	0.543667	1.35762	0.135224	1.02E-23	-0.0073009	0.0120443	0.5444026	0.3421908	13	0.89095921
ENSG00000167766	19	ZNF83	53097313	rs4801924	19	53119765	A	G	0.569583	-0.005475	0.00819235	0.50394	0.419116	0.0617223	1.12E-11	-0.0130631	0.0196412	0.5059933	0.2864713	20	0.88300558
ENSG00000189190	19	ZNF600	53267448	rs4802995	19	53284720	G	C	0.491054	-0.0116645	0.00815158	0.152444	0.696844	0.0928192	6.02E-14	-0.016739	0.0119084	0.1598297	0.06315396	8	0.69993711
ENSG00000204604	19	ZNF468	53341261	rs10425825	19	53357042	G	T	0.173956	0.0103252	0.0104609	0.323628	-0.835322	0.0922896	1.42E-19	-0.0123607	0.0125974	0.3264888	0.79149	12	0.82469712
ENSG00000268225	19	CTD-2331H12.5	53365060	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.675856	0.0593571	4.89E-30	-0.0171514	0.0124141	0.1670903	0.6108517	15	0.7037325
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.771152	0.0536831	8.59E-47	-0.0150319	0.0108502	0.165927	0.8921812	12	0.70208171
ENSG00000180257	19	ZNF816	53430388	rs1808106	19	53452944	G	T	0.364811	-0.0059056	0.00871158	0.497835	0.577143	0.0812926	1.25E-12	-0.0102325	0.015163	0.4997826	0.3555021	6	0.88088085
ENSG00000242779	19	ZNF702P	53471504	rs12463150	19	53496754	G	A	0.0685885	-0.0078867	0.0155258	0.611471	0.535776	0.0683408	4.51E-15	-0.0147202	0.0290389	0.6122169	0.08480306	7	0.9147172
ENSG00000269526	19	ERVV-1	53517174	rs11880927	19	53500694	C	G	0.0596421	-0.0099206	0.015761	0.529063	-0.663038	0.10831	9.26E-10	0.0149623	0.0238962	0.5312248	0.9647462	3	0.88710629
ENSG00000197937	19	ZNF347	53627325	rs12977280	19	53666435	T	C	0.2167	0.00410545	0.0100117	0.681758	0.390827	0.0704904	2.95E-08	0.0105045	0.0256867	0.6825776	0.03241654	8	0.93468019
ENSG00000269001	19	ZNF818P	53716241	rs11673357	19	53700807	C	T	0.798211	-0.0108801	0.00952774	0.253481	-0.742175	0.082681	2.80E-19	0.0146598	0.0129411	0.2572943	0.02343203	14	0.77529567
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-0.885133	0.109945	8.23E-16	0.00432978	0.0116696	0.7106155	0.5415722	12	0.94276983
ENSG00000250731	19	TPM3P6	53982604	rs12983857	19	53945504	T	C	0.689861	0.00407042	0.00843838	0.629542	0.872056	0.114672	2.85E-14	0.00466761	0.00969587	0.6302305	0.824692	10	0.92034788
ENSG00000213777	19	CTD-2224J9.8	54006646	rs2464902	19	54008738	G	C	0.749503	-0.0072429	0.00928194	0.435204	-1.0454	0.110365	2.74E-21	0.00692831	0.00890892	0.4367559	0.4885713	18	0.86298249
ENSG00000130844	19	ZNF331	54024235	rs8105445	19	54040412	G	A	0.291252	0.00424342	0.00914065	0.642479	0.582472	0.089909	9.27E-11	0.00728519	0.0157331	0.6433294	0.5273397	6	0.92500067
ENSG00000170906	19	NDUFA3	54606036	rs7253859	19	54604319	G	A	0.100398	0.0173066	0.0130851	0.185963	0.510756	0.0584078	2.24E-18	0.0338843	0.0259105	0.1909597	0.03062863	9	0.72847268
ENSG00000167608	19	TMC4	54663846	rs653560	19	54677103	G	C	0.2167	-0.0029496	0.00992907	0.766419	0.8019	0.108086	1.18E-13	-0.0036782	0.0123919	0.7665999	0.2967316	11	0.95821133
ENSG00000170889	19	RPS9	54704610	rs2304523	19	54711258	T	G	0.157058	0.0119455	0.0113851	0.294076	0.644522	0.0672365	9.17E-22	0.0185339	0.0177699	0.2969515	0.00275122	8	0.80667732
ENSG00000267838	19	AC008746.12	54949847	rs4806758	19	54953917	A	G	0.304175	0.00105772	0.00937308	0.910152	-0.699517	0.0631687	1.68E-28	-0.0015121	0.0134001	0.9101568	0.9772905	20	0.98098987
ENSG00000226696	19	LENG8-AS1	54955991	rs10416102	19	54957836	C	T	0.342942	0.00218443	0.00810352	0.787494	0.303342	0.0513443	3.46E-09	0.00720121	0.0267419	0.7877101	0.847707	10	0.96375538
ENSG00000022556	19	NLRP2	55464498	rs4422092	19	55474210	A	G	0.44334	-0.0058256	0.00824967	0.480088	0.889661	0.0999668	5.61E-19	-0.0065481	0.00930197	0.4814645	0.4130656	11	0.87804645
ENSG00000088053	19	GP6	55525073	rs1654425	19	55538980	C	T	0.855865	0.00336898	0.0124573	0.786819	0.829011	0.115805	8.15E-13	0.00406385	0.0150374	0.7869684	0.2910609	17	0.96375538
ENSG00000129990	19	SYT5	55682567	rs3786866	19	55684224	A	G	0.293241	0.00195961	0.00887535	0.825254	0.434848	0.0631866	5.90E-12	0.00450643	0.0204207	0.8253425	0.4387351	8	0.97052125
ENSG00000180089	19	TMEM86B	55738007	rs3745919	19	55738425	A	G	0.609344	0.00354962	0.00843205	0.673778	0.250058	0.0406427	7.62E-10	0.0141952	0.0337992	0.6744959	0.3006497	6	0.93468019
ENSG00000133247	19	SUV420H2	55851221	rs12461665	19	55865350	A	G	0.536779	-0.0082452	0.0082968	0.320328	-0.275429	0.0438678	3.42E-10	0.029936	0.0304982	0.3263142	0.9117945	3	0.82469712
ENSG00000108107	19	RPL28	55896713	rs17700376	19	55897327	G	A	0.37674	0.0024536	0.008364	0.769253	-0.23399	0.0365494	1.53E-10	-0.0104859	0.0357826	0.7694878	0.6640233	3	0.95875981
ENSG00000179954	19	SSC5D	55999771	rs62130160	19	56000896	T	G	0.184891	-0.0202558	0.0107051	0.0584696	1.22217	0.116639	1.09E-25	-0.0165736	0.00890076	0.06259642	0.4822955	19	0.55559132
ENSG00000187550	19	SBK2	56041100	rs635264	19	56040126	T	C	0.855865	-0.000686	0.0112662	0.951444	-0.753653	0.13612	3.08E-08	0.00091028	0.0149497	0.9514471	0.6658213	4	0.98968811
ENSG00000231274	19	SBK3	56052023	rs45520537	19	56042540	A	G	0.055666	-0.0169644	0.0153638	0.269513	1.27082	0.207724	9.49E-10	-0.0133492	0.012285	0.2772033	0.740457	6	0.7930304
ENSG00000266907	19	AC006116.22	56831159	rs12981331	19	56889833	A	T	0.128231	0.0174549	0.011248	0.120705	0.952585	0.124811	2.31E-14	0.0183237	0.0120495	0.1283334	0.5205588	12	0.67251953
ENSG00000267454	19	ZNF582-AS1	56905025	rs59858465	19	56912996	G	A	0.498012	-0.0029438	0.00820143	0.71964	-0.816171	0.0766563	1.80E-26	0.00360688	0.0100544	0.7197916	0.1502055	20	0.94380637
ENSG00000166770	19	ZNF667-AS1	56988619	rs17207432	19	56992995	T	C	0.246521	0.010414	0.00970129	0.283064	-1.03506	0.0814435	5.27E-37	-0.0100613	0.00940606	0.2847739	0.2102226	20	0.79513447
ENSG00000196263	19	ZNF471	57019212	rs140037468	19	57043454	T	G	0.181909	0.0068683	0.0111425	0.537626	-0.378862	0.0592894	1.66E-10	-0.0181288	0.029547	0.5395077	0.03001246	8	0.88806557
ENSG00000269696	19	AC007228.11	57056935	rs12981980	19	57050648	A	G	0.292247	-0.0180638	0.00895414	0.0436576	0.813799	0.075201	2.72E-27	-0.0221969	0.0111924	0.04734483	0.3807881	20	0.53502872
ENSG00000105146	19	AURKC	57742377	rs8111661	19	57752326	G	C	0.579523	-0.0056653	0.00812083	0.485414	-0.435663	0.0609303	8.67E-13	0.0130038	0.0187287	0.4874791	0.7664652	11	0.87851987
ENSG00000267871	19	CTC-444N24.6	57778588	rs76289041	19	57791639	A	G	0.197813	0.00031674	0.0114416	0.977915	0.733141	0.0915355	1.15E-15	0.00043203	0.0156064	0.9779148	0.9588276	15	0.99269132
ENSG00000131845	19	ZNF304	57862675	rs862703	19	57865082	C	T	0.710736	-0.0075504	0.0086202	0.381086	0.744257	0.0631649	4.79E-32	-0.0101449	0.0116142	0.3823976	0.7593877	20	0.83852378
ENSG00000186272	19	ZNF17	57922531	rs10417021	19	57950377	A	G	0.293241	0.00603627	0.00854854	0.480116	-0.662282	0.0757773	2.33E-18	-0.0091144	0.0129498	0.4815426	0.9353614	15	0.87804645
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	0.779602	0.064323	8.26E-34	-0.0012542	0.0103753	0.9037845	0.7691653	20	0.98098987
ENSG00000178201	19	VN1R1	57966542	rs12609704	19	58060538	T	G	0.502982	-0.0135459	0.00821128	0.0990102	0.427504	0.0710591	1.79E-09	-0.031686	0.0199165	0.1116224	0.00760064	8	0.65346942
ENSG00000268266	19	AC003005.2	57989017	rs7247474	19	57966462	A	C	0.303181	-0.0186234	0.00915993	0.0420388	-0.811477	0.104339	7.41E-15	0.02295	0.0116673	0.04917919	0.3624137	13	0.53502872
ENSG00000121406	19	ZNF549	58038693	rs8111574	19	58068901	G	A	0.372763	0.0192625	0.00858145	0.0247896	0.909323	0.0691625	1.76E-39	0.0211833	0.00957374	0.02692167	0.09673189	20	0.45322628
ENSG00000171649	19	ZIK1	58089824	rs727963	19	58090818	A	C	0.0805169	0.00498458	0.0169252	0.768371	-0.702326	0.0954921	1.91E-13	-0.0070973	0.0241181	0.7685511	0.4536108	11	0.9582832
ENSG00000121417	19	ZNF211	58141761	rs10420674	19	58174155	C	T	0.15507	0.0141294	0.0113144	0.211739	0.481016	0.0769902	4.16E-10	0.0293741	0.0239871	0.2207352	0.9122596	9	0.75497764
ENSG00000083828	19	ZNF586	58281023	rs6510095	19	58296161	C	T	0.594433	0.0151001	0.00816347	0.0643547	0.385209	0.0674079	1.10E-08	0.0391998	0.0222748	0.07843782	0.03461962	16	0.58021333
ENSG00000269867	19	CTD-2583A14.8	58378406	rs11084521	19	58382542	G	C	0.287276	0.00626483	0.00848203	0.46015	0.658673	0.0962353	7.68E-12	0.00951129	0.0129522	0.4627434	0.1169586	10	0.87178458
ENSG00000270804	19	CTD-2583A14.11	58379253	rs10406133	19	58379986	T	C	0.287276	0.00582301	0.0084775	0.49216	0.517148	0.0794863	7.71E-11	0.0112599	0.0164839	0.494555	0.09833845	13	0.88088085
ENSG00000173480	19	ZNF417	58411664	rs3745134	19	58373635	G	C	0.375746	0.0146962	0.00815356	0.0714776	0.324188	0.0572458	1.49E-08	0.0453323	0.0263939	0.08588189	0.2098471	5	0.59548107
ENSG00000196724	19	ZNF418	58433252	rs7253514	19	58439306	A	G	0.254473	0.00956599	0.00847764	0.259159	-0.420418	0.0618039	1.03E-11	-0.0227535	0.0204403	0.2656363	0.08383268	10	0.77910332
ENSG00000176593	19	CTD-2368P22.1	58513429	rs4801247	19	58522561	G	C	0.689861	0.0208569	0.00879331	0.0176962	-0.34497	0.0473414	3.17E-13	-0.06046	0.0268065	0.02410648	0.3690483	8	0.42398436
ENSG00000176293	19	ZNF135	58570607	rs1544888	19	58570912	G	T	0.312127	-0.0017144	0.0084815	0.839817	0.446235	0.0590429	4.10E-14	-0.0038418	0.0190136	0.839873	0.4740276	3	0.97376482
ENSG00000121413	19	ZSCAN18	58595205	rs2014592	19	58593174	G	A	0.765408	-0.0022319	0.00919611	0.808236	0.650308	0.0769516	2.89E-17	-0.0034321	0.014147	0.8083141	0.9099011	13	0.96875846
ENSG00000198131	19	ZNF544	58739960	rs171852	19	58754386	T	G	0.55666	0.00272638	0.00809007	0.736116	-0.474706	0.0623315	2.62E-14	-0.0057433	0.017059	0.7363628	0.2346371	15	0.94830822
ENSG00000268516	19	CTD-3138B18.5	58768639	rs260459	19	58768500	G	T	0.553678	0.00345387	0.00809852	0.669757	-0.433109	0.0648062	2.34E-11	-0.0079746	0.0187366	0.6703878	0.9608518	7	0.93167988
ENSG00000171574	19	ZNF584	58912871	rs28821001	19	59018503	C	A	0.33002	0.0012657	0.00823691	0.877876	0.437918	0.0673969	8.16E-11	0.00289027	0.0188145	0.8779101	0.2611175	9	0.97689669
ENSG00000232098	19	CTD-2619J13.14	58915605	rs10402325	19	58913507	G	A	0.238569	-0.0105169	0.00955208	0.270894	-0.498953	0.0686389	3.62E-13	0.0210779	0.0193626	0.2763344	0.8103036	19	0.79245512
ENSG00000268912	19	CTD-2619J13.17	58939999	rs11084545	19	58951693	C	G	0.501988	0.00159293	0.00809476	0.843996	-0.455727	0.0627754	3.88E-13	-0.0034954	0.0177688	0.8440521	0.08520096	20	0.97412703
ENSG00000269473	19	CTD-2619J13.19	58951815	rs4801589	19	58953398	G	C	0.5	3.01E-05	0.00807445	0.997024	0.708271	0.0803601	1.21E-18	4.25E-05	0.0114002	0.9970237	0.3832876	20	0.99876374
ENSG00000249471	19	ZNF324B	58962971	rs73066206	19	58995042	G	A	0.253479	0.00513	0.00893656	0.565937	0.453942	0.0739439	8.30E-10	0.011301	0.0197724	0.5676248	0.2908291	8	0.89699675
ENSG00000213753	19	RPL23AP79	59084870	rs895374	19	59066918	C	A	0.596421	-0.0073105	0.00848721	0.389044	0.565785	0.0656059	6.47E-18	-0.012921	0.0150754	0.3913962	0.6363485	20	0.84301004
ENSG00000269600	19	AC016629.3	59105263	rs2305122	19	59056752	C	G	0.215706	-0.0212471	0.0101363	0.0360703	-0.806387	0.12436	8.91E-11	0.0263485	0.0132105	0.04609576	0.5764182	9	0.5317833
ENSG00000196476	20	C20orf96	251504	rs6035784	20	270428	T	C	0.549702	-0.0081109	0.00812379	0.318078	0.621396	0.0872371	1.06E-12	-0.0130527	0.0132013	0.3227854	0.4891845	12	0.81804241
ENSG00000125875	20	TBC1D20	416124	rs157795	20	439105	A	G	0.513917	0.0105634	0.00810384	0.192404	0.527384	0.0532148	3.75E-23	0.0200298	0.0154985	0.1962274	0.6681542	8	0.73303545
ENSG00000101282	20	RSPO4	939095	rs6056640	20	1000179	C	A	0.776342	-0.0076219	0.0103654	0.462144	-0.717466	0.109309	5.25E-11	0.0106233	0.0145376	0.464933	0.7847512	5	0.87198876
ENSG00000101298	20	SNPH	1246960	rs3795140	20	1285154	C	G	0.346918	-0.0032285	0.00856695	0.706283	0.42933	0.0715601	1.98E-09	-0.0075198	0.0199936	0.7068339	0.4336299	9	0.94206936
ENSG00000101307	20	SIRPB1	1544167	rs111980944	20	1895630	C	T	0.309145	-0.0015979	0.00837107	0.848617	1.28196	0.084322	3.37E-52	-0.0012465	0.00653041	0.8486286	0.9999896	19	0.9761713
ENSG00000233896	20	RP4-684O24.5	1927892	rs6045700	20	1946337	C	A	0.269384	-0.0106289	0.00942119	0.259241	0.585479	0.0998213	4.48E-09	-0.0181542	0.0163864	0.2679129	0.7619841	6	0.78217005
ENSG00000149488	20	TMC2	2517253	rs6115181	20	2594254	G	A	0.240557	0.0166858	0.00946153	0.077809	0.494784	0.0742288	2.63E-11	0.0337234	0.0197805	0.08821652	0.3646112	7	0.60453394
ENSG00000101365	20	IDH3B	2639041	rs6115381	20	2642376	G	C	0.0735586	0.0142135	0.014785	0.336379	-0.333364	0.0515169	9.74E-11	-0.0426366	0.0448377	0.3416503	0.7160031	7	0.82819565
ENSG00000185019	20	UBOX5	3088219	rs2422859	20	3132828	G	T	0.429423	0.0167463	0.00818045	0.0406462	0.314987	0.0504883	4.41E-10	0.0531651	0.0273331	0.0517655	0.6335857	12	0.54031379
ENSG00000125877	20	ITPA	3189514	rs7270101	20	3193893	C	A	0.129225	-0.0024956	0.0146584	0.864813	-0.59141	0.075122	3.47E-15	0.00421975	0.0247913	0.8648444	0.3184122	16	0.9761713
ENSG00000088836	20	SLC4A11	3208063	rs78722238	20	3218029	C	T	0.10338	0.0150239	0.0128538	0.242471	0.734886	0.113723	1.03E-10	0.0204439	0.0177747	0.2500753	0.794795	10	0.77306764
ENSG00000088888	20	MAVS	3827487	rs12480683	20	3868752	T	C	0.270378	0.010738	0.00886775	0.22593	-0.400636	0.070735	1.48E-08	-0.0268024	0.0226344	0.2363557	0.5427218	7	0.76086855
ENSG00000171867	20	PRNP	4666882	rs17327121	20	4594532	T	C	0.400596	-0.0127175	0.00843402	0.131585	-0.560145	0.0560379	1.59E-23	0.0227039	0.0152272	0.1359584	0.6631349	10	0.67495201
ENSG00000171864	20	PRND	4702556	rs17327121	20	4594532	T	C	0.400596	-0.0127175	0.00843402	0.131585	-0.850465	0.0958059	6.87E-19	0.0149536	0.010059	0.137124	0.2895578	5	0.67621438
ENSG00000101290	20	CDS2	5107432	rs4815768	20	5146442	T	G	0.455268	-0.007218	0.00826567	0.382526	0.290045	0.0469646	6.58E-10	-0.0248858	0.0287814	0.3872305	0.9860818	9	0.84215444
ENSG00000226995	20	LINC00658	5407541	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	1.33735	0.160271	7.16E-17	0.0124424	0.0114216	0.2759889	0.5892078	6	0.79201857
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	0.789429	0.117533	1.86E-11	0.00414256	0.0125077	0.7404924	0.4621382	7	0.95039525
ENSG00000205181	20	LINC00654	5476713	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	1.15945	0.128066	1.38E-19	0.0143515	0.0131572	0.2753721	0.8047187	9	0.79080229
ENSG00000215589	20	RP5-967N21.2	5908731	rs404550	20	5908537	C	T	0.32505	0.0002279	0.00821854	0.977878	0.47544	0.0786376	1.49E-09	0.00047934	0.0172864	0.9778781	0.7632377	7	0.99269132
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.430989	0.0518409	9.28E-17	0.00740924	0.0229185	0.7464779	0.8221449	11	0.95252035
ENSG00000125827	20	TMX4	7957995	rs2294247	20	7999537	A	C	0.418489	0.0082748	0.0081581	0.310437	0.198911	0.0337277	3.69E-09	0.0416005	0.041616	0.3174904	0.1387051	17	0.81725858
ENSG00000089177	20	KIF16B	16252749	rs6105631	20	16555620	C	G	0.124254	0.00851221	0.0112381	0.448786	-0.685227	0.10272	2.54E-11	-0.0124225	0.0165059	0.4516866	0.9126183	15	0.86795298
ENSG00000089091	20	DZANK1	18364011	rs6081198	20	18518062	T	C	0.601392	0.00806093	0.00820278	0.325752	0.488129	0.0750752	7.93E-11	0.0165139	0.0169954	0.3312141	0.2065978	20	0.82473356
ENSG00000101310	20	SEC23B	18488137	rs6045505	20	18592900	G	A	0.925447	0.00754908	0.0148366	0.610882	-1.0526	0.0893064	4.59E-32	-0.0071718	0.0141083	0.6112141	0.6844576	20	0.9147172
ENSG00000125821	20	DTD1	18568537	rs6132086	20	18568043	T	G	0.140159	-0.0148115	0.0108737	0.173155	0.255331	0.0452743	1.70E-08	-0.058009	0.0438113	0.185481	0.3241227	10	0.72629627
ENSG00000179935	20	LINC00652	18768295	rs6081288	20	18652719	G	A	0.335984	0.0246897	0.00896119	0.00586584	0.475758	0.0802286	3.03E-09	0.0518955	0.0207693	0.0124664	0.5603186	10	0.37290005
ENSG00000132671	20	SSTR4	23016057	rs1883957	20	23020003	G	A	0.523857	-0.0145652	0.00808262	0.0715402	0.455321	0.0789383	8.02E-09	-0.0319889	0.0185976	0.08542311	0.4861567	4	0.59548107
ENSG00000270001	20	RP11-218C14.8	23612463	rs2405367	20	23622880	A	G	0.220676	-0.0200099	0.00981616	0.041503	-0.561635	0.0949952	3.37E-09	0.0356279	0.0184875	0.05396293	0.3438541	6	0.54561569
ENSG00000154930	20	ACSS1	24986868	rs4815364	20	25035711	A	G	0.649105	-0.0023927	0.00850703	0.77851	-0.466864	0.0661317	1.67E-12	0.00512505	0.0182361	0.7786808	0.03692449	11	0.96342048
ENSG00000100987	20	VSX1	25051521	rs62215277	20	25064864	G	A	0.220676	-0.0120364	0.0102259	0.239173	-0.754306	0.0710823	2.63E-26	0.0159569	0.0136398	0.2420509	0.4938674	20	0.76608866
ENSG00000230725	20	RP4-738P15.1	25121425	rs6037038	20	25131986	T	C	0.116302	-0.0159047	0.0123251	0.196902	-0.686016	0.109554	3.80E-10	0.0231842	0.0183437	0.2062753	0.9335847	12	0.74155842
ENSG00000197586	20	ENTPD6	25176329	rs6115093	20	25210730	T	C	0.434394	-0.0044722	0.00808852	0.580331	-0.585532	0.0498444	7.30E-32	0.00763777	0.0138293	0.5807492	0.6127201	20	0.9004891
ENSG00000100997	20	ABHD12	25275379	rs6115229	20	25602328	G	C	0.439364	-0.0059086	0.00809069	0.465211	0.251353	0.0367726	8.18E-12	-0.0235071	0.0323718	0.4677401	0.5421172	20	0.87365494
ENSG00000101004	20	NINL	25433341	rs437635	20	25456888	G	A	0.430417	-0.0035557	0.0080968	0.660552	0.580795	0.077627	7.33E-14	-0.0061221	0.0139649	0.6610996	0.9561839	20	0.9296996
ENSG00000130684	20	ZNF337	25654851	rs1076690	20	25655021	A	G	0.0526839	0.0235247	0.0167492	0.160161	-0.578241	0.105405	4.11E-08	-0.0406832	0.0299001	0.1736274	0.9000767	10	0.71004558
ENSG00000175170	20	FAM182B	25744102	rs6050929	20	25832184	G	A	0.321074	-0.0021901	0.0084532	0.795571	1.00697	0.100028	7.74E-24	-0.0021749	0.00839747	0.7956374	0.6707094	20	0.96375538
ENSG00000250090	20	RP13-401N8.3	25816621	rs6050944	20	25842403	G	C	0.321074	-0.0023911	0.00846912	0.777685	-0.899628	0.0985061	6.68E-20	0.00265792	0.00941852	0.777789	0.5928753	20	0.96342048
ENSG00000231081	20	RP4-760C5.3	25989427	rs2386802	20	25971327	C	A	0.340954	-0.005302	0.00823552	0.519708	-0.765538	0.112313	9.35E-12	0.00692585	0.0108057	0.5215591	0.8847077	5	0.88693216
ENSG00000204556	20	CTD-2514C3.1	25999468	rs6115326	20	25830341	G	A	0.306163	-0.0021985	0.0083761	0.792954	-0.793824	0.109008	3.28E-13	0.00276954	0.0105584	0.7930853	0.617677	20	0.96375538
ENSG00000125804	20	FAM182A	26035291	rs6050679	20	25537827	A	T	0.517893	-0.0011396	0.00805403	0.887478	0.886998	0.103971	1.45E-17	-0.0012848	0.00908135	0.8874938	0.06567254	20	0.97855798
ENSG00000205611	20	RP4-610C12.4	29513582	rs6087306	20	29641482	G	A	0.513917	0.0189513	0.00810097	0.0193157	-0.526419	0.084783	5.33E-10	-0.0360004	0.0164449	0.0285854	0.9835414	20	0.45580922
ENSG00000238151	20	MLLT10P1	29637799	rs7269467	20	29649365	T	C	0.112326	0.00180952	0.0108793	0.8679	1.01888	0.15509	5.04E-11	0.00177599	0.0106811	0.8679416	0.4818416	7	0.9761713
ENSG00000198547	20	C20orf203	31219428	rs4911248	20	31214234	A	G	0.423459	0.0100438	0.00812081	0.216163	0.514388	0.0644397	1.43E-15	0.0195257	0.0159757	0.2216265	0.2276851	20	0.75497764
ENSG00000088305	20	DNMT3B	31350191	rs4911253	20	31352585	G	A	0.429423	0.00407161	0.00807533	0.614118	0.463049	0.0536785	6.33E-18	0.00879304	0.0174692	0.6147221	0.2594165	20	0.9147172
ENSG00000101460	20	MAP1LC3A	33134658	rs6088536	20	33189106	C	T	0.496024	0.00031496	0.00812639	0.969084	0.383776	0.0440873	3.18E-18	0.00082068	0.021175	0.9690843	0.3672901	20	0.99005812
ENSG00000198646	20	NCOA6	33284722	rs62211616	20	33398508	A	G	0.122266	0.024908	0.0127027	0.0498988	0.584122	0.0833935	2.48E-12	0.0426418	0.0225827	0.05899258	0.9743496	13	0.55118985
ENSG00000131069	20	ACSS2	33459949	rs3761143	20	33545745	T	C	0.543738	0.0121546	0.00818467	0.137531	0.347254	0.0513335	1.34E-11	0.035002	0.024131	0.1469181	0.3509514	20	0.68835807
ENSG00000078814	20	MYH7B	33563206	rs6088667	20	33566722	G	T	0.191849	0.00279695	0.0100283	0.780317	0.565058	0.0788657	7.79E-13	0.00494985	0.0177608	0.7804792	0.376996	7	0.96342048
ENSG00000126005	20	MMP24-AS1	33804265	rs8117162	20	33869167	C	T	0.201789	0.0202639	0.00964254	0.0355959	-0.548669	0.0692122	2.24E-15	-0.0369328	0.0181815	0.04222002	0.8676829	7	0.52238712
ENSG00000224497	20	RPL36P4	34132175	rs8115363	20	34148488	A	G	0.149105	0.00084142	0.0139649	0.951955	1.1123	0.117154	2.22E-21	0.00075647	0.0125552	0.9519556	0.4098429	20	0.98968811
ENSG00000214078	20	CPNE1	34213953	rs60646509	20	34303409	G	T	0.101392	0.00227689	0.0150994	0.880138	-0.555763	0.0595159	9.81E-21	-0.0040969	0.0271723	0.8801542	0.5973853	20	0.97689669
ENSG00000101353	20	MROH8	35729629	rs1632309	20	35743143	C	A	0.467197	0.00789357	0.00817499	0.334257	0.48792	0.0578152	3.19E-17	0.016178	0.0168641	0.3373991	0.08670235	20	0.82540122
ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.17295	0.0814895	5.65E-47	0.00337737	0.00942003	0.719946	0.4276916	20	0.94380637
ENSG00000196756	20	SNHG17	37049235	rs788347	20	37062583	T	C	0.159046	0.0114055	0.0110916	0.30381	1.21542	0.0997113	3.54E-34	0.009384	0.00915815	0.3055231	0.647538	20	0.80750206
ENSG00000101442	20	ACTR5	37377085	rs2748672	20	37413047	G	A	0.424453	-0.0217742	0.00820708	0.00797572	-0.423567	0.0745774	1.35E-08	0.0514067	0.0213859	0.01622716	0.7588983	6	0.38004666
ENSG00000101052	20	IFT52	42219571	rs62225656	20	42284393	C	T	0.0417495	0.00302105	0.0172569	0.86103	-0.898633	0.138829	9.61E-11	-0.0033618	0.0192105	0.8610802	0.7742579	16	0.9761713
ENSG00000244558	20	RP11-445H22.4	43323533	rs13037996	20	43364355	C	T	0.441352	-0.0029865	0.00806119	0.711025	-0.58565	0.0814644	6.53E-13	0.00509948	0.0137828	0.7113906	0.6555403	8	0.94276983
ENSG00000101443	20	WFDC2	44098346	rs3092498	20	44055710	C	T	0.511928	0.00085954	0.00811797	0.915676	0.475982	0.073672	1.04E-10	0.00180583	0.0170575	0.9156877	0.4380104	3	0.98098987
ENSG00000124116	20	WFDC3	44376583	rs3746493	20	44418564	G	A	0.656064	-0.0072242	0.00853616	0.397382	0.875768	0.100406	2.73E-18	-0.008249	0.00979283	0.3995922	0.1740147	20	0.84423725
ENSG00000124104	20	SNX21	44462449	rs380973	20	44455176	G	A	0.632207	-0.0098448	0.00843117	0.242943	-0.572088	0.0639178	3.54E-19	0.0172085	0.0148624	0.2469245	0.82306	20	0.77232932
ENSG00000064601	20	CTSA	44518783	rs11907982	20	44491020	A	G	0.529821	-0.0035295	0.00828289	0.670022	0.474472	0.0726853	6.68E-11	-0.0074388	0.0174942	0.6706822	0.212453	20	0.93167988
ENSG00000229957	20	RP5-998H6.2	44797043	rs2425766	20	44802021	C	G	0.194831	0.0105291	0.00958409	0.271943	0.707107	0.119301	3.08E-09	0.0148904	0.0137848	0.2800517	0.3999269	6	0.79513447
ENSG00000225849	20	MKRN7P	45092541	rs113918702	20	45094572	A	G	0.05666	-4.64E-05	0.018284	0.997975	1.90745	0.206208	2.24E-20	-2.43E-05	0.00958557	0.9979747	0.3015155	7	0.99919382
ENSG00000158296	20	SLC13A3	45186463	rs439143	20	45204763	A	C	0.818091	-0.0036125	0.0115976	0.755431	-1.34561	0.106691	1.81E-36	0.00268465	0.00862147	0.7555034	0.4367261	13	0.95502521
ENSG00000158470	20	B4GALT5	48249482	rs235031	20	48248326	C	T	0.526839	-0.0134372	0.00806265	0.0955961	-0.324315	0.0566403	1.03E-08	0.0414326	0.0258922	0.1095557	0.339287	4	0.64968164
ENSG00000197818	20	SLC9A8	48429250	rs4810992	20	48561156	A	G	0.32008	0.00183062	0.00985734	0.852671	0.639834	0.0785957	3.93E-16	0.00286109	0.0154101	0.852709	0.8881802	20	0.9761713
ENSG00000124226	20	RNF114	48552948	rs6020156	20	48587633	C	G	0.890656	-0.016987	0.0135468	0.20986	-0.737636	0.109333	1.51E-11	0.023029	0.0186797	0.2176369	0.8471859	8	0.75454824
ENSG00000132819	20	RBM38	55966463	rs11905479	20	55977759	A	G	0.237575	-0.0096243	0.010597	0.36377	-0.394314	0.0611662	1.14E-10	0.0244077	0.0271399	0.368478	0.474091	5	0.83463738

ENSG00000124164	20	VAPB	56964178	rs2268925	20	56978100	A	G	0.254473	0.00853126	0.00923444	0.355563	0.305453	0.046971	7.87E-11	0.0279299	0.0305355	0.3603657	0.05918081	6	0.83426107
ENSG00000215440	20	NPEPL1	57264187	rs2296527	20	57273956	A	C	0.131213	-0.0037142	0.0141608	0.7931	-0.400495	0.0629945	2.05E-10	0.00927405	0.0353883	0.7932712	0.1150557	7	0.96375538
ENSG00000101158	20	NELFCD	57556263	rs17851253	20	57564695	T	C	0.119284	0.00182028	0.0108145	0.866332	-0.714392	0.0875953	3.47E-16	-0.002548	0.0151413	0.8663609	0.9082747	8	0.9761713
ENSG00000176659	20	C20orf197	58630980	rs116711597	20	58662969	G	A	0.116302	-0.0125741	0.0126501	0.320228	1.29076	0.144206	3.53E-19	-0.0097416	0.00986075	0.3231922	0.7884679	3	0.81856714
ENSG00000101181	20	MTG2	60758085	rs1760049	20	60780450	C	T	0.60338	0.00263633	0.00853809	0.757495	-0.326565	0.0558428	4.98E-09	-0.0080729	0.0261816	0.7578211	0.3231046	5	0.95582718
ENSG00000149679	20	CABLES2	60963688	rs6061506	20	60961171	C	T	0.286282	0.0126587	0.00896623	0.158003	0.51561	0.0594806	4.38E-18	0.0245509	0.0176187	0.1634809	0.1624394	9	0.70082793
ENSG00000060491	20	OGFR	61436187	rs11086139	20	61443870	G	C	0.247515	0.00441246	0.00988442	0.655304	-0.296035	0.0538171	3.78E-08	-0.0149052	0.0334991	0.6563611	0.4412552	10	0.92834527
ENSG00000101190	20	TCFL5	61472467	rs1980500	20	61473841	C	T	0.274354	0.0195559	0.00915807	0.0327303	0.585753	0.0942051	5.04E-10	0.0333859	0.016531	0.04342542	0.5642014	5	0.52475565
ENSG00000272259	20	RP11-305P22.9	61640735	rs4809478	20	61698442	C	G	0.5	-0.0200377	0.00807076	0.0130371	-0.980122	0.0717943	1.97E-42	0.0204441	0.00836951	0.0145784	0.7647566	20	0.37299146
ENSG00000231133	20	HAR1B	61726845	rs34536346	20	61733409	C	T	0.28827	-0.0273561	0.00937339	0.0035173	-0.614317	0.0925795	3.23E-11	0.0445309	0.0166688	0.00755118	0.1161061	9	0.3240071
ENSG00000225978	20	HAR1A	61733483	rs750697	20	61735419	A	G	0.247515	-0.0148074	0.00944264	0.116848	-0.71572	0.0978436	2.57E-13	0.0206888	0.013493	0.1252008	0.4176395	8	0.66875442
ENSG00000101198	20	NKAIN4	61872136	rs1075556	20	61870634	G	A	0.442346	0.0162349	0.00817306	0.0469905	0.320248	0.0465307	5.88E-12	0.0506948	0.0265627	0.05632735	0.029606	20	0.5488752
ENSG00000203900	20	RP11-261N11.8	61991340	rs4809549	20	62002109	C	G	0.472167	-0.0103029	0.00810596	0.20372	0.999667	0.0915801	9.69E-28	-0.0103063	0.00816344	0.2067697	0.07346515	3	0.7417907
ENSG00000101213	20	PTK6	62159778	rs6090437	20	62139025	T	C	0.786282	0.0180281	0.00926481	0.0516702	0.567635	0.101533	2.26E-08	0.03176	0.0172822	0.06610163	0.4178252	9	0.56065982
ENSG00000101216	20	GMEB2	62218955	rs6090469	20	62228192	G	A	0.402584	0.00146503	0.00806623	0.855877	0.47996	0.0650185	1.56E-13	0.0030524	0.0168111	0.8559201	0.6636818	20	0.9761713
ENSG00000197457	20	STMN3	62271061	rs2236506	20	62321655	A	G	0.795229	-0.0085686	0.0102247	0.402014	-0.355534	0.0480133	1.31E-13	0.0241006	0.0289423	0.4050073	0.6171272	20	0.84636406
ENSG00000125520	20	SLC2A4RG	62371214	rs1741708	20	62372041	T	G	0.191849	0.00409614	0.010161	0.686856	-0.274054	0.0497819	3.69E-08	-0.0149465	0.0371759	0.6876493	0.5976983	6	0.93565052
ENSG00000171700	20	RGS19	62704534	rs8121509	20	62712053	C	T	0.454274	-0.0042738	0.00810215	0.597858	0.448399	0.06094	1.87E-13	-0.0095311	0.0181154	0.5987956	0.6542525	12	0.90850217
ENSG00000125510	20	OPRL1	62711526	rs8121509	20	62712053	C	T	0.454274	-0.0042738	0.00810215	0.597858	0.481707	0.0648863	1.14E-13	-0.0088721	0.0168621	0.5987791	0.6942545	9	0.90850217
ENSG00000228314	21	CYP4F29P	15215454	rs71330942	21	15312788	T	C	0.0596421	0.0207547	0.0224143	0.354467	1.77719	0.244998	4.05E-13	0.0116784	0.0127146	0.3583546	0.1984822	7	0.83426107
ENSG00000215559	21	ANKRD20A11P	15281895	rs71330942	21	15312788	T	C	0.0596421	0.0207547	0.0224143	0.354467	1.56272	0.248847	3.39E-10	0.0132811	0.0144982	0.3596389	0.1921159	6	0.83426107
ENSG00000188992	21	LIPI	15481134	rs12482596	21	15379303	C	A	0.177932	-0.0011734	0.0114756	0.918558	-0.624696	0.113212	3.43E-08	0.00187832	0.018373	0.9185722	0.2294658	4	0.98098987
ENSG00000225502	21	GAPDHP16	16146622	rs144629344	21	16155712	T	C	0.194831	-0.0073487	0.0104995	0.483983	0.764903	0.127477	1.97E-09	-0.0096074	0.0138196	0.4869313	0.5430218	7	0.87851987
ENSG00000154639	21	CXADR	18884700	rs2776068	21	18877791	T	C	0.348907	0.00183244	0.00820029	0.823178	0.371409	0.0661723	1.99E-08	0.00493375	0.0220964	0.8233149	0.9829096	3	0.96980295
ENSG00000154642	21	C21orf91	19161284	rs2298404	21	19099907	A	G	0.22167	-0.0085518	0.0105722	0.418579	-0.625918	0.095509	5.62E-11	0.0136627	0.0170189	0.4220914	0.6710775	12	0.85757588
ENSG00000224924	21	LINC00320	22114908	rs28696360	21	22113394	A	T	0.0815109	0.00838129	0.0118955	0.481072	0.508508	0.0868221	4.72E-09	0.0164821	0.0235616	0.484219	0.1637184	9	0.87816986
ENSG00000260583	21	LINC00515	26955082	rs11701020	21	26896181	C	G	0.732604	-0.0083382	0.00892269	0.350052	0.438864	0.0718448	1.01E-09	-0.0189994	0.0205679	0.3556203	0.1419805	6	0.83426107
ENSG00000154719	21	MRPL39	26957968	rs2829838	21	27005222	T	C	0.734592	-0.0101567	0.00897296	0.257667	0.413402	0.0592424	2.99E-12	-0.0245686	0.0219889	0.263858	0.6570271	13	0.77902744
ENSG00000273492	21	AP000230.1	27543189	rs2830129	21	27604944	T	C	0.245527	-0.0037845	0.00897681	0.673327	1.03255	0.0846647	3.27E-34	-0.0036652	0.00869902	0.6735108	0.1510546	20	0.93402614
ENSG00000232692	21	AP001596.6	27750871	rs468594	21	27641663	A	G	0.427435	-0.0037271	0.00812656	0.646499	0.727658	0.103664	2.23E-12	-0.005122	0.0111919	0.6472004	0.1445446	20	0.92641321
ENSG00000197934	21	AP001597.1	27765954	rs2045	21	27600057	C	T	0.234592	-0.0074507	0.00930951	0.423518	-0.755401	0.104741	5.51E-13	0.00986324	0.0123996	0.4263522	0.208795	19	0.8584192
ENSG00000154736	21	ADAMTS5	28290231	rs233610	21	28394931	A	G	0.667992	0.00053445	0.00881751	0.951668	0.64975	0.0774728	5.00E-17	0.00082254	0.013571	0.9516694	0.859835	20	0.98968811
ENSG00000156253	21	RWDD2B	30376705	rs2832155	21	30410350	C	A	0.71173	-0.0211194	0.0106838	0.0480684	-0.681153	0.0628784	2.41E-27	0.0310054	0.0159439	0.05181633	0.3788077	20	0.54031379
ENSG00000156256	21	USP16	30396950	rs78901843	21	30312978	C	T	0.122266	0.0299901	0.0150285	0.0459833	-0.549501	0.0937525	4.60E-09	-0.054577	0.0288911	0.05888363	0.7228467	12	0.55118985
ENSG00000261610	21	AP000265.1	33632115	rs12482323	21	33663542	T	A	0.271372	0.00199747	0.0087371	0.819164	0.520082	0.0924507	1.85E-08	0.00384068	0.0168133	0.8193114	0.4143033	10	0.96917311
ENSG00000256073	21	C21orf119	33765439	rs8131844	21	33770087	G	A	0.114314	-0.0278884	0.015967	0.0807012	-0.6121	0.0992657	6.99E-10	0.0455618	0.0271119	0.09285781	0.01407165	5	0.61615525
ENSG00000242220	21	TCP10L	33948862	rs2833926	21	33975279	C	T	0.191849	-0.0023931	0.00987318	0.808484	-0.558097	0.0901821	6.07E-10	0.00428793	0.0177044	0.8086281	0.1612492	3	0.96875846
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.90088	0.0904591	2.30E-23	-0.0175767	0.00979431	0.07272012	0.1200172	6	0.56880371
ENSG00000142166	21	IFNAR1	34696734	rs2298677	21	34733642	G	A	0.16998	-0.0153982	0.0120549	0.201482	-0.372355	0.0550317	1.32E-11	0.0413535	0.0329466	0.2094174	0.4887407	4	0.74515605
ENSG00000159128	21	IFNGR2	34775202	rs9980428	21	34769010	T	G	0.205765	-0.0063759	0.00992542	0.520625	0.666229	0.100019	2.72E-11	-0.0095702	0.014967	0.5225528	0.7493402	6	0.88693216
ENSG00000142188	21	TMEM50B	34804792	rs2834223	21	34825147	A	C	0.446322	0.0130874	0.00805026	0.10401	-1.03719	0.0662969	3.62E-55	-0.0126181	0.0078034	0.1058773	0.9021755	20	0.64279285
ENSG00000241837	21	ATP5O	35275757	rs2154566	21	35321311	A	C	0.594433	0.0110858	0.00827904	0.180563	-0.160891	0.0277246	6.51E-09	-0.0689026	0.0528095	0.1919821	0.6516153	13	0.72914054
ENSG00000159200	21	RCAN1	35885440	rs9305551	21	35965084	C	T	0.219682	-0.0118633	0.0109025	0.276537	0.441543	0.0664123	2.96E-11	-0.0268678	0.0250203	0.2828946	0.3260139	13	0.79513447
ENSG00000159212	21	CLIC6	36041688	rs2834586	21	36064482	A	G	0.187873	-0.0007065	0.0106386	0.947049	0.78246	0.119552	5.95E-11	-0.000903	0.0135971	0.9470516	0.03503459	9	0.98959553
ENSG00000185917	21	SETD4	37406839	rs4817761	21	37395556	T	C	0.304175	-0.0008152	0.00895889	0.927495	-0.416615	0.0639533	7.30E-11	0.0019568	0.0215061	0.9275019	0.2598127	7	0.9841799
ENSG00000159228	21	CBR1	37442239	rs73372463	21	37454654	T	C	0.0248509	0.0123166	0.0448162	0.783451	-0.794221	0.127965	5.42E-10	-0.0155078	0.0564832	0.7836576	0.8160762	6	0.96352501
ENSG00000233393	21	AP000688.29	37477179	rs55746802	21	37452165	T	C	0.581511	0.010244	0.0081586	0.209258	-0.487271	0.0725431	1.86E-11	-0.0210232	0.0170335	0.2171176	0.7206313	20	0.7533852
ENSG00000159231	21	CBR3	37507210	rs1028997	21	37532222	A	G	0.351889	0.0073413	0.00876991	0.402535	-0.442537	0.0682378	8.86E-11	-0.0165891	0.0199818	0.4064182	0.1913698	14	0.84699128
ENSG00000159263	21	SIM2	38071433	rs13048613	21	38320007	G	T	0.544732	0.0109405	0.00818234	0.181193	-0.459994	0.0599905	1.75E-14	-0.023784	0.0180563	0.1877681	0.7512786	20	0.72629627
ENSG00000159267	21	HLCS	38123189	rs2845814	21	38327477	A	G	0.537773	0.0120003	0.00818744	0.142731	-0.356945	0.0428411	7.96E-17	-0.0336195	0.0232897	0.1488711	0.497366	20	0.68857084
ENSG00000224790	21	AP000704.5	38338812	rs28610288	21	38348125	C	A	0.430417	0.00929435	0.00807933	0.249984	-0.962694	0.065639	1.06E-48	-0.0096545	0.00841819	0.2514379	0.334372	20	0.77473121
ENSG00000185808	21	PIGP	38431470	rs2298682	21	38444890	G	A	0.49503	-0.002874	0.00819992	0.725967	-0.81101	0.0801134	4.36E-24	0.00354377	0.0101168	0.7261248	0.04054636	20	0.94555432
ENSG00000182670	21	TTC3	38445526	rs2298684	21	38445095	A	G	0.496024	-0.0033129	0.00819894	0.68617	0.478004	0.0484244	5.55E-23	-0.0069306	0.0171668	0.6864184	0.041931	20	0.93565052
ENSG00000157542	21	KCNJ6	38979678	rs1515056	21	39082585	G	C	0.342942	-0.0073738	0.00830705	0.374728	-0.473194	0.0693258	8.75E-12	0.015583	0.0177031	0.3787294	0.3683274	12	0.83846816
ENSG00000182093	21	WRB	40752170	rs2299741	21	40768270	T	C	0.692843	-0.0177176	0.0096487	0.0663193	0.552975	0.0694256	1.65E-15	-0.0320405	0.0179064	0.0735613	0.4129793	20	0.56880371
ENSG00000157578	21	LCA5L	40777770	rs2836998	21	40759882	C	T	0.692843	-0.0175867	0.00964472	0.0682354	-1.22273	0.104349	1.03E-31	0.0143831	0.00798279	0.07158185	0.2508227	20	0.56849306
ENSG00000226496	21	LINC00323	42513427	rs9974272	21	42521711	G	A	0.193837	0.0251611	0.0113042	0.0260262	-0.931876	0.128504	4.11E-13	-0.0270005	0.0126891	0.03335015	0.8199136	13	0.48597966
ENSG00000141956	21	PRDM15	43218385	rs143393748	21	43298846	T	C	0.12326	-0.0021272	0.0141624	0.880606	0.857777	0.116144	1.52E-13	-0.0024799	0.016514	0.8806309	0.2303758	7	0.97689669
ENSG00000235772	21	AP001625.6	43980484	rs12483424	21	43981658	A	G	0.21173	-0.0097002	0.00934171	0.299094	-0.640108	0.116556	3.98E-08	0.015154	0.0148525	0.3075863	0.4788203	7	0.80852383
ENSG00000235023	21	AP001626.2	44068381	rs11700464	21	44070346	C	T	0.425447	-0.0019305	0.00814291	0.812596	-0.579493	0.0997322	6.23E-09	0.00333138	0.0140635	0.8127487	0.9509975	6	0.96881317
ENSG00000160194	21	NDUFV3	44299754	rs71320572	21	44333169	A	G	0.298211	-0.0004568	0.00828239	0.956015	0.628	0.0740755	2.29E-17	-0.0007274	0.0131888	0.9560161	0.7497595	13	0.98968811
ENSG00000233056	21	ERVH48-1	44336913	rs62219136	21	44314131	A	G	0.202783	0.00470009	0.00883525	0.594747	-0.468062	0.0824561	1.37E-08	-0.0100416	0.0189589	0.596355	0.9050329	4	0.90850217
ENSG00000160200	21	CBS	44473301	rs35879780	21	44413457	A	G	0.141153	0.00962485	0.0102659	0.348473	-1.16571	0.135773	9.03E-18	-0.0082566	0.00885892	0.3513288	0.9561648	20	0.83426107
ENSG00000160213	21	CSTB	45192393	rs35285321	21	45201832	A	G	0.314115	-0.0041304	0.00827291	0.617595	-0.336429	0.0555833	1.42E-09	0.012277	0.0246739	0.6187856	0.9593668	9	0.91759776
ENSG00000241945	21	PWP2	45527171	rs9981485	21	45515366	G	A	0.17992	0.00099668	0.0108812	0.927018	1.31185	0.11147	5.66E-32	0.00075975	0.0082948	0.9270206	0.2119818	17	0.98417886
ENSG00000160221	21	C21orf33	45553487	rs9981485	21	45515366	G	A	0.17992	0.00099668	0.0108812	0.927018	1.46166	0.119696	2.70E-34	0.00068188	0.00744462	0.9270204	0.1649729	17	0.98417886
ENSG00000160226	21	C21orf2	45748827	rs58670754	21	45759746	A	T	0.238569	-0.0036722	0.0100432	0.714633	0.653258	0.0814594	1.06E-15	-0.0056214	0.01539	0.7149166	0.9862611	5	0.94380637
ENSG00000142185	21	TRPM2	45770046	rs56195574	21	45806160	A	G	0.17495	-0.0052028	0.00921724	0.572441	-0.977976	0.0934716	1.28E-25	0.00531993	0.00943852	0.5729992	0.2786047	17	0.9004891
ENSG00000230061	21	AP001065.2	45834473	rs11911332	21	45803612	C	A	0.173956	-0.0059141	0.00922343	0.521393	-0.645547	0.117451	3.88E-08	0.00916132	0.0143847	0.5242027	0.07251852	3	0.88695061
ENSG00000184787	21	UBE2G2	46188955	rs1141	21	46221167	C	T	0.145129	0.00759766	0.016574	0.64666	0.499757	0.0829845	1.72E-09	0.0152027	0.0332601	0.6476092	0.9082569	8	0.92641321
ENSG00000215447	21	BX322557.10	46707967	rs35871601	21	46675214	T	C	0.296223	0.0126178	0.00924595	0.172352	-0.345408	0.0383348	2.05E-19	-0.0365301	0.0270735	0.177242	0.2647183	20	0.71439664
ENSG00000223768	21	LINC00205	46713200	rs2838865	21	46712299	T	C	0.296223	0.0138434	0.00914124	0.129927	-0.650665	0.0574979	1.09E-29	-0.0212758	0.0141743	0.1333533	0.2061071	20	0.67495201
ENSG00000233922	21	AL133493.2	47013568	rs62214354	21	47011072	C	T	0.299205	0.00398633	0.00863849	0.644467	-0.604364	0.0948311	1.85E-10	-0.0065959	0.0143309	0.6453321	0.2135817	5	0.92641321
ENSG00000142156	21	COL6A1	47401651	rs2150459	21	47384407	C	T	0.353877	-0.0051674	0.00816881	0.527011	-0.463137	0.0699142	3.49E-11	0.0111573	0.0177182	0.5288845	0.9901424	10	0.88710629
ENSG00000160282	21	FTCD	47556176	rs62215189	21	47603995	G	A	0.243539	-0.0057408	0.0107455	0.593166	-0.707838	0.0810851	2.56E-18	0.00811034	0.0152091	0.5938572	0.7480203	20	0.90692128
ENSG00000160284	21	SPATC1L	47581062	rs62215189	21	47603995	G	A	0.243539	-0.0057408	0.0107455	0.593166	-0.74146	0.0958273	1.01E-14	0.00774258	0.0145269	0.594045	0.6549675	20	0.90692128
ENSG00000160285	21	LSS	47608055	rs11909555	21	47617489	G	T	0.195825	0.0183028	0.00979636	0.0617163	-0.5538	0.0834326	3.19E-11	-0.0330495	0.0183767	0.07210696	0.3609041	20	0.56880371
ENSG00000160294	21	MCM3AP	47655047	rs1007893	21	47877594	C	T	0.522863	-0.005758	0.00808876	0.476558	-0.200949	0.0313412	1.44E-10	0.0286539	0.0405001	0.4792543	0.7690043	20	0.87699866
ENSG00000182362	21	YBEY	47706251	rs62224180	21	47726332	G	C	0.785288	-0.0182852	0.00947401	0.0536019	-0.837513	0.101785	1.90E-16	0.0218327	0.0116191	0.06023931	0.4103944	20	0.55267744
ENSG00000160298	21	C21orf58	47720095	rs11089061	21	47729414	A	G	0.676938	-0.0144649	0.0089296	0.105257	0.432208	0.0602858	7.54E-13	-0.0334675	0.0211812	0.114095	0.2703973	18	0.65668723
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-0.973136	0.0798057	3.35E-34	0.016271	0.00962937	0.09108021	0.7153102	20	0.6138926
ENSG00000177663	22	IL17RA	17565844	rs947822	22	17529814	C	T	0.586481	-0.015832	0.00818026	0.052942	0.701207	0.0631983	1.32E-28	-0.0225782	0.0118421	0.0565721	0.6869464	20	0.5488752
ENSG00000183307	22	CECR6	17597189	rs11160	22	17597297	A	G	0.252485	0.00253339	0.00973231	0.794626	0.591111	0.0778914	3.23E-14	0.00428581	0.0164741	0.7947449	0.7544895	16	0.96375538
ENSG00000235478	22	AC006946.15	17602476	rs11160	22	17597297	A	G	0.252485	0.00253339	0.00973231	0.794626	0.499742	0.0860817	6.42E-09	0.0050694	0.0194942	0.7948284	0.9118235	5	0.96375538
ENSG00000093072	22	CECR1	17660194	rs17807317	22	17680519	C	A	0.45825	-0.0081681	0.00810614	0.313627	0.953646	0.0864338	2.64E-28	-0.0085651	0.00853553	0.3156371	0.828042	18	0.81504933
ENSG00000099954	22	CECR2	17840837	rs1860308	22	17888621	A	G	0.559642	-0.002956	0.00808276	0.714579	0.340127	0.0458223	1.15E-13	-0.0086908	0.0237928	0.71491	0.2827182	5	0.94380637
ENSG00000099968	22	BCL2L13	18111621	rs4488761	22	18209613	G	A	0.535785	-0.005841	0.00805258	0.468236	-0.372696	0.0557892	2.38E-11	0.0156722	0.0217333	0.4708392	0.04661943	17	0.87541091
ENSG00000271275	22	AC007326.9	18984651	rs6518506	22	18935766	A	G	0.468191	0.00548195	0.00813933	0.500621	-0.305967	0.0543373	1.79E-08	-0.0179168	0.0267916	0.503657	0.7388802	6	0.88279999
ENSG00000273032	22	DGCR9	19005347	rs1814226	22	18957129	T	C	0.311133	-0.0055899	0.00953677	0.557784	0.517098	0.0609237	2.11E-17	-0.01081	0.0184868	0.5587199	0.4160355	20	0.89615301
ENSG00000273164	22	DGCR10	19010569	rs62230772	22	19010149	C	T	0.302187	0.0142084	0.00864654	0.100332	-0.834205	0.0789239	4.12E-26	-0.0170323	0.0104895	0.1044311	0.2299018	20	0.63826532
ENSG00000241527	22	CA15P1	19019077	rs2518809	22	18954289	T	C	0.253479	-0.0057225	0.0101061	0.571229	-0.555574	0.0941671	3.64E-09	0.0103002	0.018274	0.5729909	0.5188917	5	0.9004891
ENSG00000070371	22	CLTCL1	19166986	rs2904556	22	19281417	C	T	0.217694	-0.0064333	0.0102246	0.529217	0.720387	0.0932399	1.11E-14	-0.0089304	0.0142402	0.5305786	0.4217966	10	0.88710629
ENSG00000215012	22	C22orf29	19833661	rs8138689	22	19812973	T	C	0.435388	0.00341557	0.00824345	0.678627	-0.355333	0.0628363	1.56E-08	-0.0096123	0.0232614	0.6794383	0.2425064	11	0.93468019
ENSG00000184470	22	TXNRD2	19863040	rs45616631	22	19930810	C	T	0.0447316	-0.0225904	0.0267328	0.398086	-1.24901	0.154962	7.62E-16	0.0180866	0.0215205	0.4006629	0.7388378	14	0.84423725
ENSG00000232926	22	AC000078.5	19874812	rs3788305	22	19871778	G	A	0.449304	0.00353997	0.00829615	0.669598	0.453415	0.0663158	8.07E-12	0.00780735	0.0183326	0.6702013	0.3729813	11	0.93167988
ENSG00000093010	22	COMT	19929130	rs45616631	22	19930810	C	T	0.0447316	-0.0225904	0.0267328	0.398086	-0.771278	0.127189	1.33E-09	0.0292896	0.0349953	0.4026169	0.6087673	5	0.84438283
ENSG00000099889	22	ARVCF	19957419	rs2238793	22	19987406	G	C	0.475149	0.0116623	0.0083896	0.164501	-0.271539	0.0436647	5.01E-10	-0.0429489	0.031659	0.174905	0.2066347	7	0.71107211
ENSG00000183597	22	TANGO2	20004537	rs9605051	22	20020889	C	T	0.506958	-0.0004527	0.0080672	0.955245	0.388524	0.0605763	1.42E-10	-0.0011653	0.0207645	0.9552466	0.951362	4	0.98968811
ENSG00000128185	22	DGCR6L	20301799	rs7235	22	20307256	A	G	0.431412	0.00260861	0.00808636	0.747002	-0.231689	0.041216	1.89E-08	-0.0112591	0.0349592	0.7474042	0.8908254	3	0.95252174
ENSG00000250261	22	AC007050.18	20941783	rs598141	22	21028138	A	G	0.525845	-0.0050297	0.00871028	0.563639	0.843447	0.0934988	1.86E-19	-0.0059633	0.0103481	0.5644363	0.8275039	20	0.89657901
ENSG00000223553	22	SMPD4P1	20956882	rs598141	22	21028138	A	G	0.525845	-0.0050297	0.00871028	0.563639	0.987988	0.0863809	2.71E-30	-0.0050909	0.00882741	0.5641356	0.7608526	20	0.89657901
ENSG00000229107	22	ABHD17AP4	21022124	rs598141	22	21028138	A	G	0.525845	-0.0050297	0.00871028	0.563639	0.912818	0.0895003	2.00E-24	-0.0055101	0.00955747	0.5642632	0.9614102	20	0.89657901
ENSG00000230513	22	THAP7-AS1	21356175	rs12165467	22	21366206	T	C	0.212724	0.00809254	0.00951854	0.395221	-0.620664	0.0795251	5.97E-15	-0.0130385	0.0154268	0.3980063	0.2658215	12	0.84421833
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.29676	0.172243	5.13E-14	0.00591432	0.0138007	0.6682497	0.7800947	7	0.93167988
ENSG00000169668	22	BCRP2	21457305	rs2845419	22	21463515	A	G	0.261431	-0.0009081	0.0102459	0.929377	0.957025	0.119018	8.91E-16	-0.0009489	0.0107066	0.9293815	0.3719653	3	0.98455434
ENSG00000197210	22	KB-1592A4.15	21468896	rs2845419	22	21463515	A	G	0.261431	-0.0009081	0.0102459	0.929377	0.928985	0.1237	5.91E-14	-0.0009775	0.0110299	0.9293821	0.5150686	4	0.98455434
ENSG00000183506	22	PI4KAP2	21827289	rs4822429	22	21022869	C	T	0.459245	0.00494091	0.00863867	0.567354	0.596852	0.0895606	2.66E-11	0.00827828	0.0145269	0.5687742	0.9486898	18	0.89751123
ENSG00000161180	22	CCDC116	21987005	rs878825	22	21982249	C	T	0.193837	-0.0239648	0.00869587	0.00585342	-0.765513	0.111647	7.05E-12	0.0313055	0.0122428	0.010556	0.989492	6	0.3476779
ENSG00000100034	22	PPM1F	22273793	rs75599828	22	22333062	C	G	0.178926	-0.0005163	0.0131033	0.968568	1.22515	0.0978179	5.46E-36	-0.0004214	0.0106953	0.9685679	0.582007	17	0.99005812
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.681827	0.0579114	5.34E-32	-0.0016054	0.0122255	0.8955276	0.2429564	20	0.98098987
ENSG00000100038	22	TOP3B	22311397	rs75599828	22	22333062	C	G	0.178926	-0.0005163	0.0131033	0.968568	0.884413	0.10613	7.86E-17	-0.0005838	0.014816	0.9685681	0.5837602	12	0.99005812
ENSG00000228050	22	TOP3BP1	22577580	rs5756324	22	22335125	C	T	0.256461	-0.0006001	0.00931467	0.948635	1.14075	0.0945475	1.61E-33	-0.000526	0.00816551	0.9486355	0.1950922	20	0.98968811
ENSG00000272779	22	LL22NC03-80A10.(	22657589	rs1807488	22	22650239	C	T	0.416501	0.00042828	0.00819064	0.958299	0.403516	0.0494284	3.25E-16	0.00106136	0.0202986	0.9582997	0.2656674	20	0.98968811
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.697609	0.0748518	1.16E-20	-0.0051346	0.012746	0.6870628	0.07648204	20	0.93565052
ENSG00000211644	22	IGLV1-51	22676828	rs6001670	22	22636889	C	T	0.415507	0.00046226	0.00819084	0.954994	0.708076	0.0908631	6.56E-15	0.00065285	0.011568	0.9549951	0.7357695	19	0.98968811
ENSG00000100218	22	RTDR1	23401593	rs6003536	22	23516062	T	C	0.735586	0.00146673	0.00896172	0.869994	-0.567604	0.0976446	6.14E-09	-0.0025841	0.0157949	0.870045	0.01396056	5	0.9761713
ENSG00000186716	22	BCR	23521891	rs12163260	22	23662671	A	G	0.625249	0.00803222	0.00823717	0.329501	0.662333	0.0663472	1.81E-23	0.0121272	0.0124958	0.3317973	0.04915007	20	0.82473356
ENSG00000236611	22	AP000343.2	23668803	rs140509	22	23652212	T	C	0.374751	-0.0082533	0.00822257	0.315507	0.777872	0.0810471	8.17E-22	-0.0106101	0.0106282	0.3181391	0.202479	13	0.81748223
ENSG00000215478	22	CES5AP1	23701790	rs7290316	22	23736213	C	T	0.349901	0.00393016	0.00969732	0.68527	-0.567473	0.0837041	1.21E-11	-0.0069257	0.0171191	0.6858003	0.3055924	20	0.93565052
ENSG00000133519	22	ZDHHC8P1	23732793	rs114569027	22	23755407	G	C	0.515905	0.00666689	0.00848219	0.431875	0.445066	0.0687037	9.29E-11	0.0149796	0.019198	0.4352351	0.06963732	16	0.86298249
ENSG00000248409	22	KB-1269D1.8	23734958	rs4619718	22	23761185	T	C	0.460239	-0.0053866	0.00809279	0.505662	0.396811	0.0696574	1.22E-08	-0.0135748	0.0205333	0.5085411	0.04931116	14	0.88300558
ENSG00000272733	22	KB-208E9.1	23923067	rs9284522	22	23978047	C	G	0.360835	-0.00313	0.00870547	0.719184	-0.896374	0.0895717	1.42E-23	0.00349189	0.00971814	0.7193581	0.4567787	11	0.94380637
ENSG00000189269	22	C22orf43	23950639	rs9284522	22	23978047	C	G	0.360835	-0.00313	0.00870547	0.719184	-1.08279	0.0992387	1.02E-27	0.00289072	0.00804421	0.7193306	0.6287145	14	0.94380637
ENSG00000234353	22	AP000347.4	23980679	rs9624267	22	24000528	T	G	0.167992	-0.0026341	0.0139015	0.849717	-0.392372	0.0560572	2.57E-12	0.00671317	0.0354424	0.8497708	0.6062704	7	0.9761713
ENSG00000244723	22	ASLP1	23991400	rs6003833	22	23997997	C	T	0.168986	0.0018904	0.0103028	0.854418	-0.587847	0.106351	3.25E-08	-0.0032158	0.017536	0.8544974	0.08871011	7	0.9761713
ENSG00000272578	22	AP000347.2	24000281	rs35973846	22	23992780	T	G	0.167992	-0.0037353	0.0139255	0.788517	-0.822289	0.0893519	3.49E-20	0.00454261	0.0169422	0.7886042	0.681328	11	0.96375538
ENSG00000128218	22	VPREB3	24094930	rs131442	22	24108977	G	A	0.840954	-0.0090355	0.0105841	0.393283	-0.665558	0.113518	4.54E-09	0.0135758	0.0160703	0.3982367	0.01423992	6	0.84423725
ENSG00000099953	22	MMP11	24110413	rs2330623	22	24162745	T	C	0.524851	0.00225182	0.00816646	0.782748	0.579607	0.0769925	5.15E-14	0.00388508	0.0140991	0.7828897	0.2654059	20	0.96342048
ENSG00000099956	22	SMARCB1	24129150	rs9612484	22	24177511	C	A	0.524851	0.00309755	0.00816435	0.704391	0.482242	0.0537822	3.06E-19	0.00642323	0.0169451	0.7046431	0.1285933	20	0.94206936
ENSG00000240972	22	MIF	24236191	rs60699980	22	24226890	A	G	0.0318091	-0.0421551	0.024352	0.0834392	-0.870011	0.13316	6.42E-11	0.0484535	0.0289562	0.0942611	0.954167	6	0.62203219
ENSG00000218537	22	AP000350.4	24236613	rs2070766	22	24237221	G	C	0.17992	0.00336291	0.00965268	0.727547	0.968678	0.110057	1.35E-18	0.00347165	0.0099726	0.727751	0.2225771	12	0.94616865
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.22432	0.0720881	1.09E-64	0.00716618	0.00683308	0.2942938	0.1831816	20	0.8051437
ENSG00000225282	22	AP000350.6	24269087	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.19073	0.0838537	9.15E-46	0.00736834	0.0070316	0.2946898	0.1978386	20	0.8051437
ENSG00000133433	22	GSTT2B	24299601	rs140264	22	24293976	G	T	0.604374	0.00909619	0.00839411	0.278524	-0.776227	0.079463	1.54E-22	-0.0117185	0.0108803	0.2814656	0.3807976	20	0.79513447
ENSG00000272787	22	KB-226F1.2	24311400	rs1007888	22	24241101	T	C	0.563618	0.0136044	0.00828741	0.100679	0.767679	0.0863615	6.16E-19	0.0177215	0.0109779	0.106467	0.6658083	20	0.64397126
ENSG00000099977	22	DDT	24313554	rs5751775	22	24266726	C	T	0.609344	0.00863968	0.00835042	0.300837	0.637901	0.0621802	1.08E-24	0.0135439	0.0131569	0.3032832	0.2854363	20	0.80750206
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	1.01163	0.0978485	4.71E-25	0.0122403	0.00822589	0.1367441	0.9396202	20	0.67621438
ENSG00000224205	22	AP000351.4	24329511	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	1.02757	0.0826395	1.70E-35	0.0120505	0.00807236	0.1354879	0.8034433	20	0.67495201
ENSG00000128262	22	POM121L9P	24647796	rs2877206	22	24632680	G	A	0.475149	-0.0073585	0.00813183	0.365521	-0.520157	0.0824389	2.80E-10	0.0141466	0.0157934	0.370397	0.9610406	18	0.83530855
ENSG00000100024	22	UPB1	24863206	rs4820590	22	24874697	C	T	0.586481	-0.016609	0.00809991	0.0403144	-0.552036	0.0798345	4.69E-12	0.0300868	0.0153043	0.0493102	0.7643829	14	0.53502872
ENSG00000167037	22	SGSM1	25202236	rs67427443	22	25236379	T	C	0.247515	-0.0035979	0.00912862	0.69348	-0.634993	0.100597	2.75E-10	0.00566608	0.0144039	0.6940461	0.210839	5	0.93862719
ENSG00000244752	22	CRYBB2	25615489	rs6004659	22	25856411	G	C	0.0735586	-0.0399541	0.0155995	0.0104299	1.14097	0.144708	3.15E-15	-0.0350177	0.0143754	0.01485299	0.2909551	8	0.37299146
ENSG00000272942	22	CTA-246H3.12	25830291	rs574946	22	25843884	G	A	0.39662	0.00868093	0.00820585	0.290104	0.903103	0.0919407	8.99E-23	0.00961234	0.00913883	0.2928854	0.342692	20	0.80429723
ENSG00000272798	22	CTA-390C10.9	25832279	rs574946	22	25843884	G	A	0.39662	0.00868093	0.00820585	0.290104	0.872776	0.0939931	1.61E-20	0.00994634	0.00946283	0.2932146	0.03322011	20	0.80429723
ENSG00000100058	22	CRYBB2P1	25844072	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	0.972338	0.11926	3.55E-16	-0.0412176	0.0168194	0.01426195	0.2868246	10	0.37299146
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.01343	0.119071	1.72E-17	0.0395463	0.0160773	0.01390272	0.4712805	10	0.37299146
ENSG00000261188	22	CTA-445C9.14	26908503	rs134144	22	26908970	A	G	0.0487078	0.0205675	0.0291476	0.480417	-0.867363	0.103704	6.07E-17	-0.0237127	0.0337242	0.4819718	0.7452975	11	0.87816986
ENSG00000223704	22	RP1-90L6.2	27254597	rs12166449	22	27257243	T	C	0.246521	0.0304306	0.0103032	0.00314174	0.503895	0.0908164	2.88E-08	0.0603908	0.0231635	0.00913001	0.8619485	5	0.34446388
ENSG00000235954	22	TTC28-AS1	28315364	rs5762416	22	28337711	A	C	0.486083	0.00110438	0.00808736	0.891381	0.336272	0.0591944	1.34E-08	0.00328419	0.024057	0.8914127	0.3210744	12	0.97935905
ENSG00000100154	22	TTC28	28374004	rs9620815	22	29088819	G	C	0.622266	-0.0124626	0.00857168	0.145966	0.385012	0.0540939	1.10E-12	-0.0323694	0.0227232	0.154299	0.02734442	20	0.69271049
ENSG00000185340	22	GAS2L1	29702572	rs9613859	22	29703409	C	G	0.379722	0.00816513	0.00814181	0.315926	0.444539	0.0531094	5.75E-17	0.0183676	0.0184462	0.3193752	0.1932752	18	0.81748223
ENSG00000100314	22	CABP7	30116073	rs140092	22	30122279	T	C	0.462227	-0.0008842	0.00833647	0.915532	0.539109	0.0824956	6.36E-11	-0.0016401	0.0154655	0.9155425	0.6633058	20	0.98098987

ENSG00000100325	22	ASCC2	30184597	rs7287777	22	30233608	G	C	0.0457256	0.0138774	0.0164488	0.39885	0.628838	0.0835254	5.12E-14	0.0220683	0.0263212	0.4017923	0.6327482	14	0.84432082
ENSG00000100330	22	MTMR3	30279144	rs249396	22	30213972	G	T	0.523857	0.00536533	0.00805083	0.505136	0.291728	0.0489142	2.46E-09	0.0183916	0.0277688	0.5077726	0.9179029	8	0.88300558
ENSG00000239282	22	GATSL3	30681106	rs73390209	22	30781182	A	G	0.301193	0.00353906	0.00823257	0.667278	-0.298485	0.0522352	1.10E-08	-0.0118567	0.0276591	0.6681606	0.7651382	17	0.93167988
ENSG00000214491	22	SEC14L6	30918786	rs5749123	22	30937512	A	G	0.753479	-0.008621	0.0089201	0.333812	0.487097	0.0692059	1.94E-12	-0.0176987	0.0184846	0.338325	0.923146	8	0.82576286
ENSG00000184792	22	OSBP2	31089769	rs2041076	22	31435945	G	A	0.692843	-0.0115251	0.00858061	0.179223	0.407287	0.0704879	7.55E-09	-0.0282972	0.0216294	0.1907802	0.9411607	5	0.72847268
ENSG00000237977	22	EIF4HP2	31298206	rs5753377	22	31293700	A	G	0.277336	0.0110636	0.00896944	0.217399	-0.620827	0.0823378	4.70E-14	-0.0178207	0.0146396	0.2234916	0.7313994	7	0.75497764
ENSG00000198089	22	SFI1	31884674	rs10775716	22	31992645	T	C	0.171968	-0.0171159	0.0116426	0.141533	0.687313	0.0848209	5.36E-16	-0.0249026	0.0172158	0.148038	0.4174959	14	0.68835807
ENSG00000241878	22	PISD	32014477	rs9621346	22	32230185	A	G	0.121272	-0.000869	0.0116009	0.940288	0.535084	0.0749159	9.17E-13	-0.0016241	0.0216817	0.9402911	0.2858382	20	0.9880402
ENSG00000100150	22	DEPDC5	32149944	rs76004575	22	31954891	C	T	0.0417495	0.0152958	0.0162341	0.34609	-0.61336	0.108991	1.83E-08	-0.0249377	0.0268359	0.3527504	0.5005273	4	0.83426107
ENSG00000214076	22	CPSF1P1	32665368	rs16990004	22	32604011	A	C	0.148111	0.010076	0.0142415	0.479248	-0.707093	0.116875	1.45E-09	-0.0142499	0.0202782	0.4822297	0.9385335	10	0.87816986
ENSG00000273325	22	RP1-90G24.11	32680670	rs57468334	22	32599811	G	C	0.148111	0.00817307	0.0137463	0.552135	-0.699564	0.114714	1.07E-09	-0.0116831	0.019743	0.5540118	0.9204064	16	0.89575241
ENSG00000205853	22	RFPL3S	32755893	rs2294314	22	32794603	A	T	0.194831	-0.0035574	0.00934773	0.703524	-0.687866	0.081802	4.14E-17	0.00517171	0.0136034	0.7038132	0.8875827	12	0.941916
ENSG00000100225	22	FBXO7	32870663	rs9609573	22	32897231	G	A	0.374751	0.00793003	0.00810697	0.327988	0.394974	0.0513384	1.43E-14	0.0200773	0.0206906	0.3318657	0.34743	6	0.82473356
ENSG00000234688	22	RP1-293L6.1	37099963	rs5756319	22	37117819	T	C	0.67992	-0.0142456	0.0082256	0.083299	0.506956	0.0719963	1.90E-12	-0.0281003	0.016709	0.09261898	0.07223187	12	0.61615525
ENSG00000100360	22	IFT27	37154246	rs1048015	22	37163080	T	C	0.752485	-0.0089149	0.00891641	0.317393	-0.335253	0.0493737	1.12E-11	0.0265915	0.0268828	0.3225837	0.6729879	6	0.81804241
ENSG00000133466	22	C1QTNF6	37576207	rs229534	22	37588013	C	T	0.212724	-0.0212904	0.0101187	0.0353728	-0.702914	0.0908375	1.01E-14	0.0302888	0.014918	0.04232126	0.6911152	9	0.52238712
ENSG00000100124	22	ANKRD54	38226862	rs141002682	22	38240368	C	G	0.055666	-0.0168435	0.01641	0.304696	0.790996	0.104448	3.64E-14	-0.021294	0.0209357	0.3090976	0.6853538	8	0.81041712
ENSG00000198792	22	TMEM184B	38615298	rs2235187	22	38622598	A	C	0.296223	-0.0088426	0.00898234	0.324896	-0.310009	0.0490618	2.64E-10	0.0285238	0.029324	0.3306966	0.588275	9	0.82473356
ENSG00000184949	22	FAM227A	38974125	rs1569716	22	38998519	A	C	0.311133	-0.0028964	0.00850945	0.733574	0.493395	0.0748968	4.47E-11	-0.0058704	0.0172697	0.7339159	0.8388455	20	0.94830822
ENSG00000239713	22	APOBEC3G	39436924	rs2076103	22	39445956	G	C	0.465209	0.00764745	0.00850201	0.368394	-0.46044	0.0795368	7.08E-09	-0.016609	0.0186865	0.3740987	0.6568041	8	0.83735401
ENSG00000100324	22	TAB1	39795746	rs6001595	22	39839293	T	C	0.708748	0.0022016	0.00914218	0.809696	0.354364	0.0572968	6.22E-10	0.00621282	0.0258184	0.8098376	0.6539829	12	0.96881317
ENSG00000100359	22	SGSM3	40766595	rs56066924	22	40806752	G	T	0.0387674	-0.0359131	0.0243165	0.139702	0.619998	0.0970261	1.66E-10	-0.0579245	0.0402542	0.1501596	0.4770635	4	0.69025848
ENSG00000272834	22	RP5-1042K10.13	40811007	rs6001900	22	40791002	C	T	0.168986	-0.0148968	0.00963571	0.122105	0.612466	0.105631	6.70E-09	-0.0243227	0.0162823	0.1352253	0.5036976	6	0.67495201
ENSG00000196236	22	XPNPEP3	41253081	rs138312	22	41202136	T	C	0.515905	0.00689332	0.00815969	0.398222	0.38248	0.0684037	2.25E-08	0.0180227	0.0215758	0.4035367	0.4299375	7	0.84501451
ENSG00000235513	22	RP4-756G23.5	41605126	rs117018441	22	41553917	T	G	0.0218688	-0.081539	0.0447806	0.0686294	1.68277	0.305306	3.55E-08	-0.0484552	0.0280258	0.08381771	0.5546421	4	0.59548107
ENSG00000100413	22	POLR3H	41921808	rs11554327	22	41940371	G	T	0.217694	0.0223299	0.00939808	0.0175009	0.568054	0.077248	1.93E-13	0.0393095	0.0173865	0.0237643	0.0265726	15	0.42398436
ENSG00000159958	22	TNFRSF13C	42321045	rs3752592	22	42342765	T	G	0.119284	0.00812135	0.0130513	0.53377	1.07224	0.130145	1.74E-16	0.00757419	0.0122067	0.534931	0.2620754	20	0.88710629
ENSG00000100162	22	CENPM	42334725	rs73165147	22	42336237	G	A	0.115308	0.00784364	0.0130599	0.548113	1.14158	0.155591	2.18E-13	0.00687086	0.0114785	0.549448	0.4286345	20	0.89457207
ENSG00000100167	22	3-Sep	42372276	rs2157591	22	42348094	C	G	0.120278	0.00720074	0.0129528	0.578264	0.376771	0.0686717	4.10E-08	0.0191117	0.0345545	0.5802021	0.5165079	12	0.9004891
ENSG00000183066	22	WBP2NL	42394729	rs4822079	22	42394612	C	G	0.281312	-0.0197592	0.011652	0.089929	-0.55652	0.0909232	9.31E-10	0.0355049	0.021726	0.1022133	0.4250488	14	0.63826532
ENSG00000198951	22	NAGA	42454358	rs133335	22	42416056	G	A	0.479125	0.00635038	0.00804776	0.430061	0.780852	0.0698009	4.73E-29	0.00813263	0.010332	0.4312052	0.00812393	20	0.86250564
ENSG00000183172	22	SMDT1	42475695	rs8143153	22	42515637	C	G	0.336978	0.00250983	0.00828812	0.762025	-0.661103	0.049383	7.18E-41	-0.0037964	0.01254	0.7620841	0.09788633	20	0.95713352
ENSG00000184983	22	NDUFA6	42481529	rs117529804	22	42669104	T	C	0.028827	0.0291349	0.0283791	0.304594	1.33544	0.0998833	9.05E-41	0.0218167	0.0213133	0.3060153	0.1929302	18	0.80750206
ENSG00000270083	22	RP1-257I20.14	42485634	rs2142695	22	42581248	T	C	0.0447316	0.0269513	0.01663	0.105094	1.16226	0.171681	1.29E-11	0.0231887	0.0147126	0.1150002	0.3149556	11	0.65779296
ENSG00000237037	22	NDUFA6-AS1	42486935	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	0.863373	0.0752224	1.71E-30	-0.0236892	0.0145639	0.1038296	0.1196658	20	0.63826532
ENSG00000100197	22	CYP2D6	42522501	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	0.933583	0.0904479	5.62E-25	-0.0219076	0.0135006	0.1046502	0.1586949	20	0.63826532
ENSG00000227370	22	RP4-669P10.19	42528550	rs2743456	22	42536313	A	G	0.200795	-0.0204526	0.0124472	0.100352	1.05361	0.0924306	4.23E-30	-0.0194119	0.011936	0.1038776	0.0851673	20	0.63826532
ENSG00000205702	22	CYP2D7P1	42536214	rs28515621	22	42534126	G	T	0.337972	0.00256672	0.0083714	0.759144	-0.734236	0.0846715	4.26E-18	-0.0034958	0.0114086	0.7592892	0.0958535	20	0.95652233
ENSG00000226450	22	CYP2D8P1	42545877	rs742086	22	42552253	G	T	0.265408	-0.0283761	0.0108036	0.00862581	0.512975	0.0721198	1.14E-12	-0.0553167	0.0224507	0.01374273	0.8931793	19	0.37299146
ENSG00000189306	22	RRP7A	42905974	rs136980	22	42943481	A	G	0.154076	0.00772185	0.0112081	0.490851	0.688824	0.117987	5.28E-09	0.0112102	0.0163843	0.4938457	0.3824827	3	0.88088085
ENSG00000182841	22	RRP7B	42951229	rs137088	22	42981890	A	G	0.110338	0.00028559	0.0136968	0.983365	-0.751571	0.0956984	4.04E-15	-0.00038	0.0182243	0.9833647	0.6055789	20	0.99527404
ENSG00000100227	22	POLDIP3	42979727	rs137117	22	43012853	C	A	0.323062	0.00799084	0.00848703	0.34643	0.310596	0.0567945	4.53E-08	0.0257274	0.027727	0.3534677	0.5498572	11	0.83426107
ENSG00000270022	22	RNU12	43011250	rs137107	22	43001128	T	C	0.299205	0.00273289	0.00881363	0.756504	0.709666	0.0940626	4.54E-14	0.00385095	0.0124299	0.7567025	0.1109183	19	0.95502521
ENSG00000100243	22	CYB5R3	43013846	rs6002817	22	43014467	T	C	0.178926	0.00502313	0.0103402	0.627119	-0.422998	0.0577721	2.45E-13	-0.0118751	0.0244988	0.6278744	0.7013135	20	0.91925859
ENSG00000230319	22	AL022476.2	43434591	rs7287713	22	43477077	G	A	0.384692	0.00496157	0.00859626	0.563819	0.538247	0.0807707	2.67E-11	0.00921802	0.0160306	0.5652744	0.3385197	20	0.89657901
ENSG00000100271	22	TTLL1	43435522	rs1052163	22	43435812	T	C	0.172962	0.0237588	0.0115389	0.0394921	-0.507242	0.0718607	1.68E-12	-0.0468392	0.0236964	0.04808241	0.06163658	5	0.53502872
ENSG00000186732	22	MPPED1	43807202	rs62234082	22	43799381	C	G	0.182903	-0.0020732	0.0102856	0.840259	0.597649	0.0987155	1.41E-09	-0.0034689	0.0172196	0.8403469	0.05086958	9	0.97376482
ENSG00000130540	22	SULT4A1	44220389	rs138067	22	44227556	G	A	0.419483	-0.0027018	0.00806461	0.737614	0.259244	0.035887	5.05E-13	-0.0104217	0.0311416	0.7378847	0.827755	14	0.94910593
ENSG00000188677	22	PARVB	44395091	rs112385337	22	44420498	G	A	0.314115	0.00755719	0.00827101	0.360877	-0.709627	0.0830175	1.25E-17	-0.0106495	0.0117218	0.3636032	0.6727727	5	0.83426107
ENSG00000100364	22	KIAA0930	45586219	rs1077566	22	45605166	G	T	0.425447	-0.0111051	0.00852942	0.192926	0.521436	0.0586116	5.77E-19	-0.0212971	0.0165318	0.1976578	0.7045492	15	0.73350751
ENSG00000100376	22	FAM118A	45704849	rs5765271	22	45746826	G	T	0.865805	0.0127513	0.0105659	0.227499	-1.55051	0.126583	1.70E-34	-0.0082239	0.00684746	0.2297435	0.5014708	20	0.75838827
ENSG00000130943	22	PKDREJ	46651560	rs3087501	22	46647909	G	A	0.161034	0.0194232	0.0122717	0.113475	-0.672113	0.0912995	1.82E-13	-0.0288987	0.0186756	0.1217662	0.181271	20	0.66559302
ENSG00000075240	22	GRAMD4	46971909	rs111795149	22	47013155	T	C	0.359841	0.00608622	0.00854986	0.476557	0.350913	0.0626375	2.12E-08	0.017344	0.0245605	0.4800809	0.9249061	7	0.87699866
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.94128	0.0666097	2.44E-45	0.00237743	0.00902709	0.792268	0.8907774	20	0.96375538
ENSG00000260613	22	RP3-522J7.6	50226264	rs8136116	22	50256886	A	T	0.857853	-0.0179904	0.0118589	0.129257	0.825972	0.101198	3.30E-16	-0.0217809	0.0146034	0.135832	0.1822033	20	0.67495201
ENSG00000100426	22	ZBED4	50247490	rs7511159	22	50307896	G	A	0.21173	0.0212853	0.010719	0.0470609	-0.46222	0.0663013	3.14E-12	-0.0460501	0.0241127	0.05616008	0.1171681	20	0.5488752
ENSG00000198355	22	PIM3	50354161	rs28645887	22	50356274	T	C	0.486083	0.00590095	0.0081895	0.471186	0.254908	0.0453926	1.96E-08	0.0231493	0.0323907	0.4747997	0.2083771	5	0.87619336
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.28822	0.124604	4.72E-25	0.0391072	0.020437	0.05567717	0.00139192	19	0.5488752
ENSG00000073169	22	SELO	50639408	rs4611754	22	50647969	T	C	0.178926	0.0126546	0.0106946	0.236702	-0.285033	0.043754	7.30E-11	-0.044397	0.0381345	0.2443346	0.09422939	20	0.76951407
ENSG00000273137	22	RP3-402G11.28	50646890	rs2272851	22	50655098	G	A	0.616302	0.0170505	0.00831942	0.0404148	-0.634657	0.0687283	2.60E-20	-0.0268657	0.0134275	0.04541437	0.8489465	14	0.52721838
ENSG00000128159	22	TUBGCP6	50656118	rs5771243	22	50662037	A	G	0.397614	0.0101838	0.00824007	0.216499	0.277818	0.0398219	3.03E-12	0.0366564	0.0301218	0.223627	0.7256978	17	0.75497764
ENSG00000100429	22	HDAC10	50683612	rs6010213	22	50676839	C	T	0.738569	0.00201521	0.00949365	0.831897	-0.40602	0.0493899	2.02E-16	-0.0049633	0.02339	0.8319522	0.9266167	10	0.97270759
ENSG00000188130	22	MAPK12	50683879	rs1129880	22	50694297	G	A	0.699801	0.00182924	0.00896975	0.838405	-0.430855	0.0547553	3.58E-15	-0.0042456	0.0208255	0.8384583	0.9842814	14	0.97376482
ENSG00000100258	22	LMF2	50941376	rs41281543	22	50945799	G	C	0.0377734	-0.00535	0.0161801	0.740908	0.748869	0.0806685	1.64E-20	-0.0071441	0.0216197	0.7410648	0.6242848	3	0.95039525
ENSG00000025708	22	TYMP	50964181	rs141953471	22	50970068	T	C	0.0487078	-0.0409689	0.0235963	0.082522	0.958331	0.16661	8.82E-09	-0.0427503	0.0257196	0.09647896	0.3341963	3	0.63011258
ENSG00000177989	22	ODF3B	50968139	rs141953471	22	50970068	T	C	0.0487078	-0.0409689	0.0235963	0.082522	1.25109	0.202731	6.78E-10	-0.0327466	0.0195928	0.09465196	0.369908	3	0.62360729
ENSG00000217442	22	SYCE3	50989541	rs78789402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.31668	0.188107	2.57E-12	0.002666	0.0116603	0.8191495	0.6023305	9	0.96917311
ENSG00000205560	22	CPT1B	51007290	rs2269382	22	51018911	T	C	0.0377734	-0.018052	0.0179952	0.315785	-0.855342	0.104397	2.54E-16	0.021105	0.0211957	0.3193858	0.9917361	19	0.81748223
ENSG00000100288	22	CHKB	51017378	rs86337	22	51020668	A	C	0.569583	0.00626675	0.0083578	0.45337	0.524352	0.0598389	1.91E-18	0.0119514	0.0159975	0.4550162	0.9259438	20	0.86795298
ENSG00000184319	22	AC002055.4	51195376	rs9616832	22	51219387	C	T	0.0775348	-0.0141182	0.0155341	0.363427	-0.846746	0.133544	2.29E-10	0.0166735	0.0185331	0.3683028	0.7077404	17	0.83463738
ENSG00000079974	22	RABL2B	51205929	rs34726907	22	51213613	T	C	0.141153	0.00918361	0.0115017	0.424607	0.783113	0.0980275	1.36E-15	0.0117271	0.0147603	0.4269054	0.2937935	10	0.8584192
ENSG00000006756	23	ARSD	2822011	rs3747394	23	2847133	G	A	0.498695	0.0110763	0.00715226	0.121468	0.697206	0.0595239	1.09E-31	0.0158867	0.0103477	0.1247145	0.2073703	11	0.66875442
ENSG00000101825	23	MXRA5	3226606	rs73636012	23	3061803	A	G	0.214099	0.0101549	0.0083167	0.222075	-0.397723	0.0682397	5.60E-09	-0.0255326	0.0213647	0.2320554	0.3783497	3	0.76040779
ENSG00000205642	23	VCX3B	8432871	rs2404240	23	8439382	C	T	0.421671	0.00322087	0.00712926	0.651426	-0.420389	0.0746749	1.81E-08	-0.0076616	0.0170132	0.6524696	0.8889711	3	0.92725626
ENSG00000101871	23	MID1	10413350	rs1541353	23	10248239	T	G	0.225849	0.00259423	0.00830145	0.754658	0.675846	0.0664145	2.53E-24	0.00383849	0.0122888	0.75477	0.9798392	20	0.95502521
ENSG00000176896	23	TCEANC	13671225	rs4830884	23	13676070	G	T	0.509138	-0.0003185	0.00711796	0.964309	-0.465092	0.0540836	8.01E-18	0.00068484	0.0153046	0.9643088	0.6137091	9	0.9900137
ENSG00000123595	23	RAB9A	13707244	rs4830888	23	13710933	C	T	0.604439	0.00858659	0.00739128	0.24535	-0.285951	0.044011	8.18E-11	-0.0300282	0.026258	0.2527968	0.9892817	7	0.77529567
ENSG00000046651	23	OFD1	13752832	rs2283707	23	13783934	G	A	0.238903	0.00085744	0.00812377	0.915942	-0.525982	0.048975	6.62E-27	-0.0016302	0.0154457	0.9159463	0.230701	14	0.98098987
ENSG00000046647	23	GEMIN8	14026398	rs11797935	23	14047834	T	G	0.296345	0.00323054	0.00785174	0.680747	-0.590204	0.0570679	4.54E-25	-0.0054736	0.013314	0.6809865	0.72955	15	0.93468019
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.303703	0.0410228	1.33E-13	-0.030012	0.0251999	0.2336708	0.0606247	19	0.76051447
ENSG00000087842	23	PIR	15402921	rs3827466	23	15512734	G	A	0.650131	0.019018	0.00759353	0.0122625	0.508338	0.0641364	2.27E-15	0.0374121	0.015666	0.01693523	0.0952621	20	0.3877127
ENSG00000147003	23	TMEM27	15645441	rs5936013	23	15714073	A	G	0.52611	-0.0004557	0.00705082	0.948466	0.582529	0.0692114	3.87E-17	-0.0007823	0.0121042	0.9484673	0.5630101	8	0.98968811
ENSG00000169249	23	ZRSR2	15808595	rs5934279	23	15820456	A	C	0.732376	-0.0110913	0.00802966	0.167189	-0.67086	0.0486269	2.69E-43	0.016533	0.012029	0.1693114	0.5961874	14	0.70660647
ENSG00000182287	23	AP1S2	15843929	rs798191	23	15924948	T	A	0.737598	-0.0095878	0.00807345	0.235003	0.307559	0.0453403	1.17E-11	-0.0311738	0.0266493	0.24209	0.2056987	3	0.76608866
ENSG00000180815	23	MAP3K15	19378174	rs7067067	23	19539381	T	A	0.148825	0.0119597	0.00800314	0.135078	0.795628	0.106203	6.81E-14	0.0150318	0.0102571	0.1427835	0.6776722	20	0.68835807
ENSG00000173681	23	CXorf23	19930978	rs56222718	23	19862754	A	T	0.152742	0.0101446	0.00835625	0.224743	-0.305338	0.0529582	8.13E-09	-0.0332242	0.0279673	0.2348474	0.8539593	20	0.76051447
ENSG00000012174	23	MBTPS2	21857754	rs5951641	23	21867276	A	G	0.143603	-0.0007633	0.00983859	0.938162	-0.383534	0.0394197	2.26E-22	0.00199012	0.0256533	0.9381641	0.9097049	20	0.98799916
ENSG00000242021	23	RP11-268G12.3	27061024	rs5926382	23	27216650	T	C	0.309399	-0.0045077	0.00725665	0.534483	0.50274	0.0875029	9.17E-09	-0.0089662	0.0145183	0.536853	0.4594999	9	0.88710629
ENSG00000165169	23	DYNLT3	37696010	rs7060979	23	37695477	T	G	0.23107	-0.0149695	0.00812542	0.0654305	-0.181482	0.0328291	3.24E-08	0.0824848	0.0471935	0.08049856	0.3959283	6	0.58802691
ENSG00000183690	23	EFHC2	44007128	rs7058794	23	44211212	A	G	0.449086	-0.0011739	0.00711875	0.869024	-0.29925	0.0546618	4.39E-08	0.00392271	0.0237994	0.8690828	0.7744795	4	0.9761713
ENSG00000229168	23	RPL19P20	44508375	rs66577694	23	44510663	A	G	0.249347	0.0170766	0.00798401	0.0324482	0.728244	0.0889468	2.67E-16	0.023449	0.0113313	0.03850832	0.00431201	6	0.50417602
ENSG00000147119	23	CHST7	46433219	rs6611279	23	46475904	T	C	0.519582	-0.0063663	0.00704031	0.365855	-0.263769	0.0370156	1.03E-12	0.0241359	0.0269052	0.3696815	0.03591205	12	0.83468583
ENSG00000130988	23	RGN	46937775	rs6611328	23	46944155	C	A	0.617493	0.00326258	0.0074455	0.661244	-0.661703	0.0628863	6.83E-26	-0.0049306	0.0112618	0.6615201	0.6709268	20	0.9296996
ENSG00000221994	23	ZNF630	47842756	rs4824652	23	47891738	C	T	0.519582	0.00706086	0.00705445	0.316871	-0.49963	0.0593464	3.80E-17	-0.0141322	0.0142188	0.3202671	0.4755735	12	0.81748223
ENSG00000147155	23	EBP	48379546	rs1395950	23	48497163	T	C	0.33812	-0.017614	0.00733746	0.01637	0.3648	0.0447391	3.52E-16	-0.048284	0.0209672	0.02128819	0.2419995	11	0.41150473
ENSG00000204620	23	AC115618.1	48431482	rs4824719	23	48430697	G	A	0.5953	0.0186903	0.00712685	0.00872831	0.465785	0.0759917	8.82E-10	0.0401265	0.0166424	0.01590457	0.5185414	17	0.38004666
ENSG00000171365	23	CLCN5	49687225	rs151259	23	49697654	G	A	0.232376	0.00078785	0.00900152	0.930255	0.623535	0.0623039	1.41E-23	0.00126353	0.0144368	0.9302573	0.8945141	13	0.98455434
ENSG00000122824	23	NUDT10	51075083	rs1144826	23	51077017	A	G	0.372063	-0.0004549	0.00739161	0.950927	-0.494936	0.0664325	9.32E-14	0.0009191	0.014935	0.9509292	0.9091683	7	0.98968811
ENSG00000067445	23	TRO	54946895	rs2885190	23	54876761	A	G	0.605744	-0.0077501	0.00716845	0.279637	0.289088	0.038519	6.14E-14	-0.0268086	0.0250527	0.28458	0.6884218	9	0.79513447
ENSG00000204272	23	RP11-622K12.1	56755692	rs964445	23	57555247	T	C	0.28329	0.00214223	0.00934011	0.818591	0.522939	0.071405	2.41E-13	0.00409652	0.0178696	0.8186779	0.418473	12	0.96917311
ENSG00000231831	23	MTHFD1P1	57419079	rs6611612	23	57329089	A	G	0.719321	-0.0014373	0.00938624	0.878296	-0.862448	0.0786701	5.77E-28	0.00166655	0.0108843	0.878308	0.0307042	8	0.97689669
ENSG00000102309	23	PIN4	71401203	rs6625975	23	71404742	T	C	0.969974	0.00668329	0.0146459	0.648157	-0.585212	0.0874719	2.23E-11	-0.0114203	0.0250848	0.648917	0.9963119	4	0.92641321
ENSG00000231963	23	RP11-493K23.4	72300006	rs73218387	23	71957741	C	T	0.129243	-0.0135729	0.0110502	0.219336	-0.546625	0.0860247	2.09E-10	0.0248304	0.0205895	0.227829	0.3417772	16	0.75779347
ENSG00000204118	23	NAP1L6	72345876	rs7066168	23	72376766	G	T	0.0953003	-0.0248176	0.0130524	0.0572519	0.744519	0.0969588	1.61E-14	-0.0333337	0.0180608	0.06494425	0.2952479	17	0.56029797
ENSG00000232186	23	RP11-311P8.2	74546607	rs140993578	23	74346179	T	C	0.0143603	0.0280821	0.0378707	0.458375	-1.22153	0.21641	1.66E-08	-0.0229893	0.0312691	0.4622124	0.9609672	5	0.87178458
ENSG00000187325	23	TAF9B	77385245	rs17139585	23	77360724	C	T	0.214099	0.00444736	0.00847966	0.59995	-0.280759	0.0332748	3.24E-17	-0.0158405	0.0302609	0.6006517	0.06547368	20	0.9103072
ENSG00000147180	23	ZNF711	84498997	rs140825366	23	84397130	T	C	0.0208877	0.00454931	0.0171567	0.790884	-0.533193	0.0955094	2.37E-08	-0.0085322	0.0322136	0.7911145	0.8028343	8	0.96375538
ENSG00000188419	23	CHM	85116185	rs11092728	23	85108993	A	G	0.281984	-0.0176932	0.00801614	0.0273005	-0.146536	0.0264381	2.98E-08	0.120743	0.0588822	0.04030739	0.1778625	9	0.51210082
ENSG00000102362	23	SYTL4	99929488	rs7879671	23	100015397	T	C	0.520888	0.00480307	0.00710508	0.499037	0.302178	0.0374551	7.16E-16	0.0158948	0.0235953	0.5005374	0.09665219	9	0.88088085
ENSG00000007952	23	NOX1	100098313	rs5920865	23	100107315	A	G	0.630548	0.0006305	0.00793925	0.936702	0.249979	0.0431337	6.81E-09	0.00252222	0.0317626	0.9367078	0.5651885	7	0.98756455
ENSG00000188917	23	TRMT2B	100264335	rs113012738	23	100313729	C	T	0.112272	-0.0055507	0.0100032	0.578966	-0.835173	0.110018	3.17E-14	0.00664619	0.0120094	0.5799773	0.1014394	4	0.9004891
ENSG00000196440	23	ARMCX4	100673275	rs7066271	23	100801254	A	G	0.284595	-0.0089895	0.00752297	0.232113	0.231365	0.0394489	4.49E-09	-0.038854	0.0331836	0.2416471	0.05251341	6	0.76586993
ENSG00000198932	23	GPRASP1	101906294	rs143672620	23	102172244	T	C	0.0796345	0.00760108	0.0105022	0.469213	-0.417799	0.0692163	1.58E-09	-0.0181932	0.025317	0.4723792	0.7751694	9	0.87541091
ENSG00000102409	23	BEX4	102470020	rs412725	23	102505078	C	T	0.618799	-0.001592	0.00708919	0.822321	-0.361849	0.0358171	5.37E-24	0.00439949	0.0195964	0.8223646	0.2249082	20	0.9695196
ENSG00000182916	23	TCEAL7	102585124	rs6621664	23	102678067	C	T	0.394256	-0.0073884	0.0070681	0.295879	-0.193575	0.0353706	4.43E-08	0.038168	0.0371736	0.3045378	0.3260167	3	0.80750206
ENSG00000172476	23	RAB40A	102754678	rs5945693	23	102809084	A	G	0.339426	-0.0075406	0.00779054	0.333086	-0.312103	0.055918	2.39E-08	0.0241605	0.025334	0.3402451	0.04777529	9	0.82819565
ENSG00000188828	23	GLRA4	102962152	rs4907818	23	103108731	C	T	0.698433	0.00454922	0.00741739	0.539666	-0.502769	0.0626938	1.06E-15	-0.0090483	0.0147962	0.5408472	0.6232175	7	0.88940282
ENSG00000147234	23	FRMPD3	106765680	rs929251	23	106575521	G	T	0.203655	0.00099896	0.0103877	0.923387	-0.432541	0.0494966	2.36E-18	-0.0023095	0.024017	0.9233918	0.9320927	8	0.9835676
ENSG00000243978	23	RGAG1	109602044	rs2073787	23	109694685	A	T	0.437337	-0.0090618	0.00725919	0.211914	0.670372	0.0608757	3.34E-28	-0.0135176	0.010898	0.214836	0.2112358	12	0.74800164
ENSG00000235244	23	RP11-761E20.1	115033604	rs9724449	23	115020940	T	C	0.677546	0.00084108	0.00797653	0.916024	0.531861	0.0869405	9.50E-10	0.00158138	0.0149996	0.9160361	0.1697593	9	0.98098987
ENSG00000003096	23	KLHL13	117031776	rs41312749	23	117106932	A	G	0.191906	0.00200483	0.00916706	0.826885	-0.454936	0.0711673	1.63E-10	-0.0044068	0.020162	0.8269839	0.7028256	5	0.9711119
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.647044	0.0740559	2.39E-18	-0.0202088	0.0124059	0.1033188	0.4643761	4	0.63826532
ENSG00000018610	23	CXorf56	118672112	rs62601742	23	118692092	A	G	0.0417755	0.00673963	0.019622	0.731242	-0.832545	0.0804601	4.30E-25	-0.0080952	0.0235817	0.7313848	0.9978986	20	0.94811051
ENSG00000125352	23	RNF113A	119004497	rs1858934	23	119004405	A	T	0.493473	0.00108451	0.00705848	0.877888	0.276849	0.0375301	1.62E-13	0.00391733	0.0255013	0.8779148	0.622629	11	0.97689669
ENSG00000101883	23	RHOXF1	119243011	rs12556825	23	119229036	C	G	0.100522	0.0138742	0.0134006	0.300509	-0.944251	0.117577	9.68E-16	-0.0146933	0.0143092	0.3044941	0.3698727	3	0.80750206
ENSG00000233382	23	NKAPP1	119254863	rs12556825	23	119229036	C	G	0.100522	0.0138742	0.0134006	0.300509	-0.972002	0.130635	1.00E-13	-0.0142738	0.0139194	0.3051454	0.5284565	5	0.80750206
ENSG00000203930	23	LINC00632	139791932	rs4824956	23	139854825	G	A	0.139687	0.0130813	0.0106195	0.218019	-0.516034	0.0735465	2.28E-12	-0.0253497	0.0208938	0.2250292	0.7431539	4	0.7565516
ENSG00000179542	23	SLITRK4	142710596	rs146188921	23	142714243	C	T	0.0691906	-0.0111979	0.0177088	0.527166	-0.66399	0.0940931	1.70E-12	0.0168646	0.0267771	0.5288177	0.2301447	3	0.88710629
ENSG00000185985	23	SLITRK2	144899350	rs2385575	23	145372387	G	A	0.413838	-0.0087102	0.00709057	0.219292	-0.341691	0.059337	8.49E-09	0.0254913	0.0212183	0.2296031	0.9019789	10	0.75838827
ENSG00000238039	23	AF011889.2	148593039	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.756884	0.0782329	3.86E-22	-0.0068799	0.00952377	0.4700539	0.9073888	15	0.87511487
ENSG00000241769	23	LINC00893	148609130	rs11797408	23	148626523	G	A	0.694517	0.0061248	0.00725816	0.398753	-0.272551	0.0496349	3.99E-08	-0.0224721	0.0269431	0.4042477	0.189364	6	0.84520769
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.831604	0.0829011	1.11E-23	0.00537791	0.00910129	0.5545908	0.7044732	14	0.89575241
ENSG00000130032	23	PRRG3	150863596	rs35662236	23	150863991	T	C	0.518277	-0.0048579	0.00726914	0.503948	-0.455813	0.0659675	4.86E-12	0.0106576	0.0160221	0.5059318	0.3527376	8	0.88300558
ENSG00000147394	23	ZNF185	152082986	rs6526142	23	152083059	A	G	0.304178	-0.0057163	0.00789781	0.469198	-0.401947	0.0561754	8.35E-13	0.0142216	0.0197492	0.4714577	0.4064702	8	0.87541091
ENSG00000183837	23	PNMA3	152224766	rs73244173	23	152225379	A	C	0.451697	0.00088665	0.0070468	0.899872	-0.407061	0.0468457	3.64E-18	-0.0021782	0.0173132	0.8998824	0.1999535	9	0.98098987
ENSG00000189420	23	ZFP92	152683780	rs6643806	23	152666533	A	T	0.164491	-0.0058536	0.00959481	0.541809	-0.438776	0.0669408	5.58E-11	0.0133407	0.0219617	0.5435495	0.6088988	10	0.89027412
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.00185	0.122068	2.26E-16	-0.0134494	0.0208354	0.5185983	0.1608809	14	0.88693216
ENSG00000213391	23	RP11-66N11.6	152871972	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.06417	0.145378	2.48E-13	-0.0126618	0.0196308	0.5189305	0.1646878	9	0.88693216
ENSG00000232725	23	U52111.14	153001080	rs731416	23	153031839	C	T	0.182768	-0.0094285	0.0090732	0.298732	-0.798465	0.110043	3.99E-13	0.0118082	0.0114792	0.3036393	0.8654536	4	0.80750206
ENSG00000184343	23	SRPK3	153041867	rs5987155	23	153041544	C	T	0.801567	-0.0020748	0.00837707	0.804386	0.401879	0.0569993	1.78E-12	-0.0051627	0.0208576	0.8045041	0.3850704	11	0.96625375
ENSG00000067829	23	IDH3G	153051221	rs2269366	23	153049739	T	C	0.165796	0.00769612	0.00894393	0.389522	-0.257721	0.0380962	1.33E-11	-0.0298622	0.0349835	0.3933224	0.3711719	9	0.84301004
ENSG00000180879	23	SSR4	153058971	rs4898445	23	153059247	C	G	0.351175	-0.0069507	0.00727351	0.339268	-0.38018	0.0402296	3.38E-21	0.0182826	0.0192293	0.341724	0.01598883	20	0.82819565
ENSG00000067840	23	PDZD4	153067621	rs6643796	23	153084566	C	G	0.941253	-0.0261014	0.014392	0.0697381	0.334508	0.056295	2.81E-09	-0.0780292	0.0449838	0.08281011	0.3816976	5	0.59275403
ENSG00000177854	23	TMEM187	153237778	rs7350355	23	153247745	G	A	0.191906	0.00993676	0.00923968	0.282176	-0.56165	0.0714381	3.78E-15	-0.0176921	0.0166042	0.2866399	0.03297813	20	0.79513447
ENSG00000147403	23	RPL10	153618315	rs2239469	23	153584885	A	C	0.0861619	0.00416634	0.0101244	0.680696	-0.271695	0.0430486	2.77E-10	-0.0153346	0.037343	0.6813345	0.09139277	12	0.93468019
ENSG00000130827	23	PLXNA3	153686621	rs2239470	23	153598413	C	T	0.197128	-0.0098336	0.00825642	0.233643	-0.465787	0.0421616	2.25E-28	0.0211119	0.0178285	0.2363471	0.0927581	20	0.76086855
ENSG00000071889	23	FAM3A	153733350	rs5986877	23	153828269	C	G	0.879896	0.0343075	0.0124073	0.00569049	-0.230646	0.0321873	7.74E-13	-0.148745	0.0576598	0.00988843	0.1423397	19	0.34446388
ENSG00000155961	23	RAB39B	154487526	rs3120731	23	154509738	T	G	0.801567	0.0155169	0.00819725	0.0583647	0.277243	0.0402757	5.83E-12	0.0559686	0.0306646	0.06797288	0.3985999	17	0.56129172
ENSG00000155962	23	CLIC2	154505500	rs3105279	23	154497666	A	C	0.766319	0.0111529	0.00796708	0.16155	0.38074	0.0667273	1.16E-08	0.0292927	0.0215458	0.1739709	0.5694538	4	0.71004558

Table S13. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in spinal cord

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000176022	1	B3GALT6	1167629	rs12036216	1	1153113	A	G	0.101392	-0.011041	0.0117415	0.347047	-0.545173	0.0976589	2.37E-08	0.0202523	0.0218406	0.353783	0.7840795	7	0.79157371
ENSG00000224870	1	RP4-758J18.2	1334902	rs111876693	1	1336006	T	C	0.054672	-0.0257555	0.017306	0.136688	-0.629258	0.0921518	8.58E-12	0.04093	0.0281478	0.1459168	0.1872206	6	0.67136051
ENSG00000242485	1	MRPL20	1337288	rs35056373	1	1297059	A	G	0.863817	0.0160296	0.0101303	0.113572	-0.395861	0.0674541	4.39E-09	-0.040493	0.0265044	0.1265667	0.8360544	13	0.65430464
ENSG00000235098	1	ANKRD65	1353800	rs112301494	1	1344686	G	A	0.0914513	-0.0081724	0.0114167	0.474093	-0.762837	0.117946	9.95E-11	0.0107132	0.0150575	0.4767822	0.3216163	10	0.86343574
ENSG00000215915	1	ATAD3C	1385069	rs1240695	1	1378837	C	T	0.208748	-0.0104547	0.00887514	0.238808	-0.920153	0.0963291	1.27E-21	0.0113619	0.00971835	0.2423555	0.7008284	20	0.75173483
ENSG00000160072	1	ATAD3B	1407143	rs116603779	1	1469861	T	C	0.0129225	0.0267729	0.0432999	0.536369	-2.15225	0.303478	1.32E-12	-0.0124395	0.0201948	0.53791	0.7998148	14	0.87706746
ENSG00000189339	1	SLC35E2B	1592939	rs72634819	1	1596500	T	C	0.254473	0.00161453	0.00967789	0.867507	-0.871499	0.0912569	1.30E-21	-0.0018526	0.0111066	0.8675265	0.5883784	20	0.97265415
ENSG00000269737	1	RP11-345P4.7	1603429	rs28678861	1	1606287	C	G	0.964215	0.059421	0.0198663	0.00278023	-1.70451	0.233117	2.64E-13	-0.034861	0.0125926	0.00563368	0.9205857	12	0.27378691
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-2.31505	0.271946	1.70E-17	-0.0057425	0.0133769	0.6677178	0.2489264	4	0.90615226
ENSG00000227775	1	RP1-283E3.4	1655951	rs4648774	1	1592881	A	C	0.295229	-0.0047811	0.00909746	0.599209	0.876854	0.0848363	4.85E-25	-0.0054525	0.0103885	0.5996799	0.4013174	18	0.89456808
ENSG00000231050	1	RP1-140A9.1	1822910	rs3806168	1	1823524	C	G	0.197813	-0.0017534	0.0109635	0.872936	-0.900883	0.149763	1.79E-09	0.0019463	0.012174	0.8729809	0.3584486	20	0.97265415
ENSG00000149527	1	PLCH2	2357419	rs4582732	1	2377525	T	C	0.109344	-0.0069821	0.0132821	0.599112	-0.509548	0.0751398	1.19E-11	0.0137025	0.0261446	0.600206	0.3325746	10	0.89456808
ENSG00000142611	1	PRDM16	2985732	rs55704954	1	3341796	T	C	0.109344	-0.0020506	0.0156104	0.895491	1.34084	0.147837	1.19E-19	-0.0015293	0.0116435	0.895502	0.6705452	9	0.97482371
ENSG00000235169	1	SMIM1	3689352	rs1175550	1	3691528	G	A	0.218688	0.00411481	0.00899217	0.647241	-0.562893	0.097067	6.67E-09	-0.0073101	0.0160246	0.6482597	0.5580901	7	0.90478858
ENSG00000116198	1	CEP104	3728645	rs12126653	1	3773815	G	C	0.22167	0.0021895	0.00889694	0.805608	-0.402409	0.0718102	2.10E-08	-0.005441	0.0221305	0.8057915	0.2242376	14	0.95531805
ENSG00000198912	1	C1orf174	3805689	rs35241263	1	3831232	G	A	0.737575	-0.0057946	0.00938069	0.536762	1.07511	0.130664	1.90E-16	-0.0053898	0.00874989	0.5379055	0.2248348	7	0.87706746
ENSG00000196581	1	AJAP1	4714792	rs520532	1	4649738	T	C	0.942346	0.019664	0.0163872	0.230155	-0.899621	0.146955	9.25E-10	-0.0218581	0.0185623	0.2389752	0.4783433	3	0.74672726
ENSG00000131697	1	NPHP4	5922871	rs11122108	1	5954467	A	G	0.435388	0.00132883	0.00824393	0.871944	0.505631	0.0790856	1.62E-10	0.00262806	0.0163094	0.871985	0.1282184	13	0.97265415
ENSG00000270171	1	RP11-338N10.1	7753184	rs3124803	1	7755806	A	G	0.45328	0.00501282	0.00813458	0.537738	0.836495	0.0964875	4.34E-18	0.00599265	0.00974914	0.5387628	0.03735489	16	0.87706746
ENSG00000269978	1	RP11-338N10.3	7760764	rs3011928	1	7752828	A	G	0.455268	0.00446501	0.00813656	0.583171	0.664325	0.112726	3.79E-09	0.00672112	0.0123008	0.5847943	0.9179547	3	0.89339288
ENSG00000238290	1	RP11-431K24.1	8086798	rs6700772	1	8087469	G	C	0.425447	0.00133934	0.00853635	0.875325	0.904389	0.121542	9.99E-14	0.00148093	0.0094409	0.8753524	0.3289889	15	0.97295286
ENSG00000054523	1	KIF1B	10270863	rs4240911	1	10307453	C	T	0.33499	0.00036658	0.00844253	0.965366	0.288388	0.0509429	1.50E-08	0.00127113	0.0292758	0.9653674	0.07944293	9	0.98645568
ENSG00000177674	1	AGTRAP	11796141	rs4846032	1	11785403	C	T	0.400596	0.00778328	0.00809779	0.336471	-0.489671	0.0713778	6.87E-12	-0.0158949	0.0166987	0.3411659	0.6521113	7	0.78634727
ENSG00000242349	1	NPPA-AS1	11901074	rs198367	1	11906735	C	T	0.12326	0.0043671	0.0147681	0.76745	-0.938974	0.144988	9.41E-11	-0.0046509	0.0157443	0.7676853	0.3069874	4	0.93642512
ENSG00000083444	1	PLOD1	11994262	rs72641009	1	12020357	T	G	0.134195	-0.0032278	0.0124683	0.795728	0.5034	0.0873478	8.25E-09	-0.006412	0.0247932	0.7959287	0.7657775	11	0.95013363
ENSG00000116688	1	MFN2	12040238	rs2236054	1	12040324	G	A	0.44334	-0.0009977	0.00818773	0.903017	0.391814	0.0693006	1.57E-08	-0.0025463	0.0209018	0.9030397	0.8253147	8	0.97482371
ENSG00000162461	1	SLC25A34	16062900	rs12744547	1	16062378	G	A	0.210736	-0.0043028	0.0101469	0.671531	-0.554528	0.0917305	1.49E-09	0.00775932	0.0183432	0.6722899	0.1857558	5	0.90615226
ENSG00000186510	1	CLCNKA	16345370	rs1572381	1	16344494	A	G	0.592445	0.0159549	0.00812926	0.0496867	-0.78069	0.0904258	5.95E-18	-0.0204369	0.0106786	0.05564294	0.8619653	13	0.56063824
ENSG00000219481	1	NBPF1	16888814	rs9435656	1	17297289	T	C	0.750497	0.00849994	0.00912866	0.351788	-0.485518	0.0888956	4.72E-08	-0.017507	0.0190732	0.35868	0.1209212	4	0.79157371
ENSG00000186715	1	MST1L	17081405	rs7513616	1	17298496	G	A	0.493042	-0.0101638	0.00824174	0.217497	-0.789986	0.118208	2.34E-11	0.0128658	0.0106089	0.2252308	0.3709582	14	0.74020581
ENSG00000127463	1	EMC1	19542158	rs10799717	1	19498296	G	A	0.429423	-0.0200842	0.00819341	0.0142357	-0.386463	0.0695752	2.78E-08	0.0519693	0.0231737	0.02492266	0.4292691	7	0.4286204
ENSG00000169914	1	OTUD3	20209006	rs12403258	1	20235353	G	C	0.0198807	0.0291346	0.0181336	0.108128	1.43645	0.190152	4.21E-14	0.0202824	0.0129063	0.1160634	0.3960485	6	0.64679311
ENSG00000227066	1	RP3-340N1.2	20480831	rs2301477	1	20499942	A	G	0.324056	0.0107614	0.00851026	0.206044	1.01482	0.121479	6.61E-17	0.0106042	0.00848151	0.211198	0.4071707	3	0.72873407
ENSG00000162545	1	CAMK2N1	20808884	rs75810319	1	20807073	T	G	0.101392	0.0109792	0.0135293	0.41707	-1.10019	0.1325	1.01E-16	-0.0099794	0.0123558	0.4192837	0.4287408	14	0.84130138
ENSG00000227001	1	NBPF2P	21751118	rs6680125	1	21814390	A	C	0.775348	-0.0130048	0.00941179	0.167048	0.840621	0.148604	1.54E-08	-0.0154705	0.0115254	0.1795013	0.6738219	4	0.70330236
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.21183	0.116438	2.29E-25	0.0110213	0.00780829	0.1580991	0.5308016	18	0.67639935
ENSG00000204219	1	TCEA3	23707554	rs4649090	1	23781642	T	C	0.671968	-0.0132101	0.00910564	0.146845	0.528067	0.0856096	6.90E-10	-0.025016	0.0177138	0.1578835	0.4134878	9	0.67639935
ENSG00000261349	1	RP3-465N24.5	25592593	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-0.870392	0.105743	1.85E-16	0.0348181	0.0105979	0.00101846	0.5755952	4	0.20338732
ENSG00000187010	1	RHD	25598884	rs72660908	1	25583610	G	C	0.387674	-0.0303054	0.00845771	0.00033945	-1.10527	0.107111	5.78E-25	0.027419	0.00810038	0.00071203	0.09366576	12	0.1912375
ENSG00000188672	1	RHCE	25688740	rs599691	1	25698354	C	T	0.554672	-0.0126817	0.00806275	0.115748	0.753937	0.0839481	2.68E-19	-0.0168206	0.010857	0.1213109	0.02430314	11	0.65237472
ENSG00000157978	1	LDLRAP1	25870071	rs11247942	1	25897026	A	G	0.506958	-0.0063709	0.00810475	0.431826	0.350521	0.0437655	1.16E-15	-0.0181755	0.0232331	0.4340319	0.02115585	6	0.84804658
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.843162	0.0868935	2.92E-22	0.0169973	0.0118056	0.1499346	0.00704606	20	0.67136051
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.3749	0.139478	6.36E-23	0.0155976	0.0140664	0.2674925	0.8487713	7	0.75499306
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-0.945751	0.089323	3.39E-26	0.00727794	0.00956655	0.4467947	0.6856026	16	0.85657081
ENSG00000204138	1	PHACTR4	28696114	rs12144013	1	28675583	G	A	0.461233	0.0149018	0.0081148	0.0663025	-0.479934	0.0774047	5.63E-10	-0.0310497	0.0176342	0.07827739	0.4091001	8	0.60000196
ENSG00000060656	1	PTPRU	29563028	rs6687475	1	29596084	C	G	0.747515	0.00661164	0.0106637	0.535249	-0.729841	0.100886	4.68E-13	-0.009059	0.0146646	0.5367408	0.7611466	9	0.87706746
ENSG00000084628	1	NKAIN1	31652592	rs11584136	1	31685616	C	G	0.760437	0.00128925	0.00890456	0.88488	0.931809	0.107271	3.74E-18	0.0013836	0.00955753	0.8848962	0.1260728	17	0.97445788
ENSG00000235790	1	RP11-73M7.6	32109650	rs3862892	1	32188994	G	A	0.529821	0.00103208	0.00807889	0.898347	0.366702	0.0601725	1.10E-09	0.00281449	0.0220361	0.8983688	0.6021852	3	0.97482371
ENSG00000223944	1	RP5-1180C18.1	37728340	rs624650	1	37749227	G	A	0.732604	-0.0040362	0.0101797	0.69174	0.68865	0.109255	2.92E-10	-0.005861	0.0148113	0.6923176	0.8135016	14	0.90615226
ENSG00000233621	1	RP11-422J8.1	37920480	rs2456802	1	37940638	A	G	0.533797	0.00456126	0.00822768	0.579319	0.733371	0.0812533	1.78E-19	0.00621958	0.0112401	0.5800326	0.3601453	20	0.88889213
ENSG00000163879	1	DNALI1	38022520	rs114531441	1	38013823	A	C	0.054672	0.0105581	0.0138796	0.446842	-1.16222	0.164885	1.81E-12	-0.0090844	0.0120117	0.4494691	0.60042	5	0.8581303
ENSG00000174574	1	AKIRIN1	39456895	rs12038896	1	39511778	T	C	0.142147	0.00772386	0.0119567	0.518288	0.79642	0.0863329	2.84E-20	0.00969822	0.0150498	0.519311	0.9406262	15	0.87377566
ENSG00000183682	1	BMP8A	39957318	rs74645539	1	39962593	A	G	0.0159046	0.0626521	0.0781749	0.42288	-1.00717	0.177308	1.34E-08	-0.0622061	0.0783871	0.4274427	0.3722483	7	0.8456355
ENSG00000237624	1	OXCT2P1	39980628	rs12410202	1	40001813	T	C	0.144135	-0.0202628	0.0102679	0.0484485	-0.851034	0.134343	2.38E-10	0.0238096	0.0126371	0.05955038	0.08622741	11	0.56834621
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-0.936782	0.141754	3.88E-11	0.0062642	0.0178354	0.7254217	0.3092526	5	0.91774034
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.969613	0.0829093	1.35E-31	-0.0004887	0.00862243	0.9547982	0.474266	20	0.98571272
ENSG00000131238	1	PPT1	40538379	rs3122428	1	40545964	G	T	0.784294	-0.0069167	0.00963889	0.473016	-0.479553	0.0650679	1.71E-13	0.0144232	0.0201948	0.4751015	0.9231225	14	0.86343574
ENSG00000187815	1	ZFP69	40942887	rs7547819	1	40948479	C	T	0.32505	-0.0046961	0.00877462	0.592517	-0.515895	0.0847491	1.15E-09	0.00910284	0.0170741	0.5939395	0.9361816	14	0.89456808
ENSG00000117013	1	KCNQ4	41249684	rs3754173	1	41286883	G	A	0.59841	0.00352763	0.0083104	0.671214	0.654431	0.087306	6.59E-14	0.00539038	0.012719	0.6717082	0.8340011	3	0.90615226
ENSG00000164008	1	C1orf50	43232940	rs11210712	1	43232798	T	G	0.253479	0.00390577	0.00845131	0.643974	-0.553938	0.0905021	9.32E-10	-0.0070509	0.0153002	0.6449149	0.3836073	9	0.90242996
ENSG00000177868	1	CCDC23	43272723	rs6678526	1	43284052	C	G	0.677932	-0.0011046	0.00825042	0.893498	-0.630284	0.0867156	3.64E-13	0.00175248	0.0130922	0.893516	0.4059152	16	0.97482371
ENSG00000227533	1	SLC2A1-AS1	43424720	rs710221	1	43414200	A	G	0.398608	-0.0088926	0.00808083	0.271133	0.846054	0.105081	8.18E-16	-0.0105107	0.00964	0.275572	0.4515946	13	0.75678055
ENSG00000132763	1	MMACHC	45965725	rs4660868	1	45986497	G	A	0.695825	0.00967358	0.00858667	0.25992	0.643955	0.0923044	3.03E-12	0.0150221	0.013507	0.2660636	0.3158761	8	0.75499306
ENSG00000232022	1	RP5-1109J22.1	46897801	rs11590411	1	46804254	G	T	0.741551	0.00176401	0.00868339	0.839019	-0.716117	0.119123	1.84E-09	-0.0024633	0.0121326	0.8391102	0.6570694	19	0.96846141
ENSG00000272491	1	RP5-1024N4.4	48693560	rs11205462	1	48720301	T	C	0.402584	-0.0012343	0.00840646	0.883268	0.762329	0.101945	7.56E-14	-0.0016191	0.0110295	0.8832905	0.3668797	15	0.97445788
ENSG00000134744	1	ZCCHC11	52873954	rs11805462	1	53003821	T	C	0.0506958	-0.0073924	0.0173094	0.669328	0.705258	0.100375	2.12E-12	-0.0104818	0.0245887	0.6699004	0.7270887	12	0.90615226
ENSG00000162383	1	SLC1A7	53552855	rs11206111	1	53609496	T	C	0.367793	0.010745	0.00831645	0.19635	0.677334	0.0859922	3.36E-15	0.0158637	0.0124423	0.2023166	0.6401454	17	0.72873407
ENSG00000162384	1	C1orf123	53679771	rs1679913	1	53686383	G	C	0.678926	0.00407682	0.00864388	0.637183	-0.489472	0.0870285	1.86E-08	-0.008329	0.0177216	0.6383602	0.1075139	7	0.90242996
ENSG00000243725	1	TTC4	55181495	rs72911732	1	55207052	C	T	0.0606362	-0.0012308	0.0181033	0.945794	1.32066	0.142232	1.61E-20	-0.000932	0.0137081	0.9457956	0.0338077	6	0.98571272
ENSG00000006555	1	TTC22	55245385	rs72911732	1	55207052	C	T	0.0606362	-0.0012308	0.0181033	0.945794	1.8085	0.230755	4.60E-15	-0.0006806	0.0100105	0.9457962	0.03321656	6	0.98571272
ENSG00000116133	1	DHCR24	55315306	rs666668	1	55376940	A	G	0.243539	0.00136467	0.0106513	0.898053	0.396297	0.0678467	5.19E-09	0.00344355	0.0268835	0.8980765	0.9184939	8	0.97482371
ENSG00000162600	1	OMA1	58881056	rs7355166	1	58985750	A	G	0.292247	-0.004439	0.0102353	0.664514	0.606448	0.0840813	5.49E-13	-0.0073196	0.0169079	0.6650813	0.2463817	11	0.90615226
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.18585	0.133918	8.36E-19	0.0137179	0.00738569	0.06325926	0.2515365	7	0.58138272
ENSG00000118473	1	SGIP1	66999066	rs6680364	1	67104834	A	G	0.439364	0.0238293	0.00825195	0.00388052	0.449652	0.0769813	5.19E-09	0.052995	0.0204721	0.00963549	0.1110254	6	0.34409357
ENSG00000162620	1	LRRIQ3	74491699	rs533371	1	74687012	G	A	0.464215	0.00108298	0.00807081	0.893257	-0.882748	0.102051	5.15E-18	-0.0012268	0.00914392	0.8932692	0.8997428	12	0.97482371
ENSG00000116783	1	TNNI3K	74663947	rs792323	1	74707594	T	C	0.142147	-0.0077154	0.0104864	0.461883	-1.10474	0.146019	3.86E-14	0.00698391	0.00953697	0.4639859	0.7184161	4	0.86231368
ENSG00000272864	1	RP11-17E13.2	75164453	rs7527057	1	75172001	A	T	0.459245	0.00395162	0.00837118	0.636891	-0.759068	0.108329	2.43E-12	-0.0052059	0.0110532	0.6376529	0.3921771	10	0.90242996
ENSG00000116791	1	CRYZ	75171170	rs2345436	1	75198740	C	A	0.685885	-0.0011061	0.00851145	0.896607	-0.641893	0.113843	1.72E-08	0.00172311	0.0132634	0.8966345	0.1781328	3	0.97482371
ENSG00000057468	1	MSH4	76262567	rs1146646	1	76265500	A	G	0.302187	0.0054254	0.00937232	0.562674	0.673373	0.111778	1.70E-09	0.00805705	0.0139826	0.5644661	0.9697871	16	0.88725573
ENSG00000122417	1	ODF2L	86814344	rs7553685	1	86873153	A	G	0.318091	0.00370859	0.00858188	0.665638	-0.571542	0.0754427	3.57E-14	-0.0064887	0.0150397	0.6661481	0.6080551	15	0.90615226
ENSG00000137975	1	CLCA2	86889769	rs2275001	1	86913265	T	C	0.263419	0.00636331	0.00875819	0.467498	-0.832133	0.091395	8.64E-20	-0.007647	0.0105584	0.4689104	0.7269277	13	0.86231368
ENSG00000117226	1	GBP3	89472349	rs10922533	1	89456659	G	C	0.313121	0.0185108	0.00947045	0.0506326	-1.18323	0.103322	2.30E-30	-0.0156443	0.00811964	0.05401421	0.6395587	20	0.55496465
ENSG00000231613	1	RP5-943J3.1	90254473	rs36186660	1	90242817	A	G	0.470179	-0.0064849	0.00830534	0.434916	-0.800965	0.111922	8.28E-13	0.00809632	0.0104307	0.4376303	0.5409397	5	0.85315806
ENSG00000162669	1	HFM1	91726323	rs370422900	1	91836765	C	A	0.0626243	-0.0247535	0.0135141	0.0669993	1.04119	0.175552	3.01E-09	-0.0237742	0.0135844	0.08009793	0.2355717	6	0.60302628
ENSG00000097046	1	CDC7	91966408	rs17501937	1	92021705	G	A	0.573559	-0.0091367	0.00809251	0.258885	-0.604593	0.0987611	9.25E-10	0.0151121	0.0136108	0.2668674	0.05912687	7	0.75499306
ENSG00000223745	1	RP4-717I23.3	93727743	rs1323628	1	93810900	G	A	0.809145	-0.0014042	0.0109175	0.897658	0.934762	0.0876534	1.50E-26	-0.0015022	0.0116803	0.8976657	0.04925728	15	0.97482371
ENSG00000230439	1	RP11-488P3.1	94218480	rs1980083	1	94207992	A	G	0.37674	0.0057744	0.00850483	0.497166	0.762896	0.124567	9.10E-10	0.00756905	0.0112164	0.4997894	0.5128832	9	0.86833637
ENSG00000122481	1	RWDD3	95699711	rs60929805	1	95646386	T	C	0.084493	0.0106277	0.0133663	0.42655	0.966847	0.126224	1.86E-14	0.0109921	0.0138989	0.4290244	0.731101	20	0.84587444
ENSG00000118733	1	OLFM3	102268130	rs10874596	1	102791879	T	G	0.262425	-0.0024044	0.00903043	0.79004	0.50086	0.0625804	1.21E-15	-0.0048006	0.0180398	0.7901534	0.6974039	11	0.94975557
ENSG00000233359	1	RP11-202K23.1	102665295	rs9628981	1	102895297	T	G	0.691849	0.0002386	0.00877835	0.978316	-0.789917	0.105736	7.98E-14	-0.0003021	0.0111131	0.9783159	0.6733006	13	0.99144383
ENSG00000198890	1	PRMT6	107599267	rs1730864	1	107607810	T	C	0.677932	0.0077036	0.0088392	0.383467	0.479024	0.0732237	6.07E-11	0.0160819	0.0186155	0.3876459	0.7307941	3	0.81252804
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-0.48977	0.0840393	5.61E-09	-0.019404	0.0195476	0.3208781	0.7051301	5	0.76877967
ENSG00000134222	1	PSRC1	109822178	rs10858096	1	109967104	A	C	0.539761	-0.0123516	0.00808341	0.126507	0.705133	0.0641596	4.26E-28	-0.0175167	0.0115739	0.1301627	0.4133482	18	0.65828222
ENSG00000221986	1	MYBPHL	109834987	rs10858096	1	109967104	A	C	0.539761	-0.0123516	0.00808341	0.126507	0.778278	0.0984302	2.64E-15	-0.0158704	0.0105784	0.1335468	0.2753181	9	0.66467276
ENSG00000181754	1	AMIGO1	110046797	rs2570972	1	110052139	G	A	0.484095	-0.0009225	0.00808647	0.909171	0.384028	0.0459465	6.37E-17	-0.0024023	0.0210589	0.9091792	0.2942965	17	0.97482371
ENSG00000134201	1	GSTM5	110254864	rs3768487	1	110259362	A	G	0.33499	0.0108884	0.00840459	0.195136	-0.784416	0.0968636	5.58E-16	-0.0138809	0.0108507	0.2008043	0.777811	17	0.72873407
ENSG00000134202	1	GSTM3	110276554	rs4970777	1	110283785	T	C	0.55169	-0.0014575	0.00810529	0.857294	0.914987	0.10782	2.13E-17	-0.0015929	0.00886035	0.8573259	0.2097702	15	0.97265415
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.499032	0.0765131	6.93E-11	0.00935776	0.0173731	0.5901386	0.291819	12	0.89456808
ENSG00000236040	1	CHIAP1	111792876	rs7545536	1	111792537	C	T	0.515905	-0.0058155	0.00805506	0.470311	0.90409	0.104499	5.07E-18	-0.0064325	0.00894055	0.4718497	0.7796996	5	0.86238452
ENSG00000260948	1	RP11-552M11.8	111973668	rs12043687	1	112005509	T	G	0.228628	-0.0142274	0.00904485	0.115722	-0.592373	0.10725	3.33E-08	0.0240176	0.015876	0.130323	0.03622499	16	0.65828222
ENSG00000007341	1	ST7L	113066140	rs72699100	1	113181401	G	A	0.45825	0.00759165	0.00846826	0.369995	-0.486785	0.0809467	1.81E-09	-0.0155955	0.0175885	0.3752488	0.526993	5	0.81070543
ENSG00000116874	1	WARS2	119573839	rs2645303	1	119555146	T	G	0.450298	-0.0058514	0.00805711	0.46769	-0.830125	0.104013	1.45E-15	0.00704883	0.009746	0.4695241	0.4886614	14	0.86231368
ENSG00000231365	1	RP11-418J17.1	119683019	rs61806983	1	119731524	C	G	0.277336	-0.0117962	0.00933832	0.206518	-0.690862	0.0927894	9.66E-14	0.0170746	0.0137101	0.2129824	0.5940744	20	0.72873407
ENSG00000223345	1	HIST2H2BA	120906028	rs7536214	1	121147880	T	A	0.60835	-0.0082809	0.0085488	0.332713	0.65202	0.117357	2.76E-08	-0.0127004	0.013309	0.3399478	0.7457471	10	0.78634727
ENSG00000223804	1	RP6-206I17.1	143647638	rs71259660	1	144581564	A	C	0.206759	-0.0042204	0.00987884	0.669223	-0.795893	0.117057	1.05E-11	0.0053027	0.0124367	0.6698359	0.4850805	13	0.90615226
ENSG00000237188	1	RP11-337C18.8	146644350	rs2044151	1	146667003	C	T	0.488072	0.00361652	0.00809722	0.655137	0.542896	0.0888134	9.79E-10	0.00666153	0.0149546	0.6559948	0.7203425	10	0.90478858
ENSG00000162836	1	ACP6	147101453	rs2275552	1	147131945	C	T	0.718688	-0.0044343	0.00923196	0.631004	0.760579	0.0909815	6.29E-17	-0.0058301	0.0121581	0.6315657	0.4039245	10	0.90242996
ENSG00000159164	1	SV2A	149874870	rs112851681	1	149889489	G	A	0.0874751	-0.0099778	0.0174151	0.566687	-0.906854	0.113271	1.18E-15	0.0110026	0.019253	0.5676772	0.2468691	13	0.88725573
ENSG00000159445	1	THEM4	151846060	rs7542137	1	151868892	T	C	0.605368	0.00046982	0.0084022	0.955408	0.627141	0.0872428	6.55E-13	0.00074915	0.013398	0.9554096	0.9686793	20	0.98571272
ENSG00000237975	1	FLG-AS1	152140601	rs1496042	1	152159773	T	C	0.424453	0.00011869	0.00824446	0.988514	0.867931	0.106578	3.84E-16	0.00013675	0.009499	0.9885136	0.3078328	8	0.99755759
ENSG00000197915	1	HRNR	152184558	rs61815460	1	152216342	C	A	0.595427	-0.0045119	0.0083898	0.590723	0.714815	0.111764	1.60E-10	-0.006312	0.0117784	0.5920293	0.1792206	12	0.89456808
ENSG00000143631	1	FLG	152274651	rs17648141	1	152142637	T	C	0.110338	-0.015211	0.012972	0.240954	-0.843246	0.13479	3.95E-10	0.0180386	0.0156513	0.2491027	0.2142126	3	0.75499306
ENSG00000186844	1	LCE1A	152799949	rs10888516	1	152759010	T	C	0.5	0.0107655	0.0080806	0.182773	-0.592721	0.10843	4.59E-08	-0.0181628	0.0140321	0.1955352	0.2619389	13	0.72334703
ENSG00000189171	1	S100A13	153591263	rs999418	1	153600124	C	T	0.502982	0.0111418	0.00810675	0.169321	0.369802	0.0561326	4.46E-11	0.0301291	0.0223938	0.1784898	0.51296	13	0.70330236
ENSG00000272030	1	RP1-178F15.4	153603914	rs28613361	1	153610017	G	A	0.525845	0.0106178	0.00805304	0.187342	-0.774674	0.0988836	4.72E-15	-0.0137062	0.0105416	0.193533	0.2930699	14	0.72334703
ENSG00000143552	1	NUP210L	153965161	rs114697636	1	154127549	G	C	0.0337972	0.0211763	0.0163346	0.194835	1.73915	0.272692	1.80E-10	0.0121762	0.00958437	0.2039327	0.1040958	4	0.72873407
ENSG00000143537	1	ADAM15	155023042	rs4845407	1	155024309	C	G	0.869781	0.00592975	0.0133275	0.656373	0.838011	0.13794	1.24E-09	0.00707598	0.0159463	0.6572324	0.01380501	6	0.90478858
ENSG00000163382	1	APOA1BP	156561554	rs6688660	1	156597892	T	C	0.244533	0.02113	0.00961895	0.0280414	-0.454942	0.0676608	1.77E-11	-0.0464455	0.022243	0.03678935	0.5522605	8	0.47400007
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.927712	0.0945725	1.02E-22	0.0139984	0.0090829	0.1232721	0.4061254	5	0.65422783
ENSG00000162728	1	KCNJ9	160051360	rs7512587	1	160033143	C	T	0.526839	-0.0021641	0.00806536	0.788453	0.528742	0.0915401	7.65E-09	-0.0040929	0.0152703	0.7886771	0.9307206	8	0.94936391
ENSG00000215845	1	TSTD1	161007421	rs10908821	1	161008535	G	C	0.130219	-0.0026172	0.0115838	0.821251	1.16689	0.124899	9.39E-21	-0.0022429	0.00992997	0.8213024	0.5505153	20	0.95999913
ENSG00000171806	1	METTL18	169761670	rs673280	1	169908317	A	G	0.888668	0.013901	0.0160076	0.385174	1.17924	0.196148	1.83E-09	0.0117881	0.0137154	0.3900757	0.6539789	6	0.81252804
ENSG00000118197	1	DDX59	200593024	rs12061556	1	200650239	C	G	0.425447	0.0215943	0.00805502	0.00734345	-0.462399	0.0807905	1.04E-08	-0.0467006	0.0192363	0.01519378	0.7308853	7	0.39871484
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.795021	0.0855751	1.54E-20	0.0243407	0.0104783	0.02018134	0.3277527	20	0.41658613
ENSG00000198892	1	SHISA4	201857808	rs35515850	1	201886423	A	G	0.180915	-0.0102004	0.0103285	0.323353	-0.72504	0.0903724	1.03E-15	0.0140687	0.0143529	0.326988	0.3853049	6	0.77592644
ENSG00000143850	1	PLEKHA6	204187979	rs6701674	1	204213058	T	C	0.328032	-0.0171472	0.00825569	0.0378007	0.410155	0.0739378	2.90E-08	-0.0418066	0.0214928	0.05175791	0.2809038	3	0.54819201
ENSG00000162877	1	PM20D1	205797150	rs823075	1	205774897	T	C	0.39662	0.0124988	0.00809221	0.122456	-1.02598	0.110326	1.41E-20	-0.0121823	0.00799535	0.12759	0.4240513	20	0.6556918
ENSG00000117335	1	CD46	207925402	rs2724360	1	207943158	T	C	0.793241	-0.0067889	0.0096564	0.482024	0.537376	0.0763627	1.96E-12	-0.0126335	0.018059	0.484197	0.6236505	6	0.86372807
ENSG00000143469	1	SYT14	210111538	rs61820640	1	210041297	T	G	0.22167	0.00529455	0.00975466	0.587286	-0.888848	0.125928	1.68E-12	-0.0059566	0.0110069	0.5883879	0.4873745	6	0.89416429
ENSG00000203706	1	SERTAD4-AS1	210404801	rs624706	1	210407031	T	G	0.440358	-0.0113955	0.0081184	0.160419	0.559327	0.0798172	2.42E-12	-0.0203736	0.0148029	0.1687213	0.2557954	20	0.68795516
ENSG00000065600	1	TMEM206	212537273	rs17042034	1	212459015	T	G	0.368787	0.0103637	0.00910592	0.255066	-0.349347	0.0469028	9.45E-14	-0.0296659	0.0263681	0.2605598	0.4224028	20	0.75499306
ENSG00000228067	1	RP11-61J19.3	212719036	rs7529867	1	212665274	C	T	0.271372	-0.0054053	0.010123	0.593371	0.762729	0.131116	5.98E-09	-0.0070867	0.0133279	0.5949185	0.1077455	3	0.89456808
ENSG00000198468	1	FLVCR1-AS1	213025450	rs6540769	1	213053820	A	G	0.526839	0.00205113	0.00819768	0.802426	1.01822	0.0946173	5.23E-27	0.00201443	0.00805317	0.8024783	0.3541007	20	0.95342326
ENSG00000162769	1	FLVCR1	213031597	rs6680527	1	213096093	T	G	0.203777	0.00443203	0.0109936	0.686841	0.687302	0.0876342	4.40E-15	0.00644845	0.0160164	0.6872316	0.7585158	13	0.90615226
ENSG00000174606	1	ANGEL2	213165524	rs10864033	1	213164083	G	A	0.647117	0.00079938	0.00848131	0.924909	-0.298295	0.054682	4.89E-08	-0.0026798	0.0284369	0.9249199	0.8927737	6	0.97885729
ENSG00000272823	1	RP11-295M18.6	221002018	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.79827	0.103022	9.29E-15	-0.0069285	0.0107281	0.5183908	0.6393909	6	0.87377566
ENSG00000238078	1	RP11-295M18.2	221002597	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.812365	0.108037	5.51E-14	-0.0068083	0.0105442	0.5184808	0.3607516	11	0.87377566
ENSG00000257551	1	HLA-AS1	221006105	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.815201	0.108514	5.80E-14	-0.0067846	0.0105076	0.5184836	0.3607026	10	0.87377566
ENSG00000272750	1	RP11-378J18.8	222832209	rs36079339	1	222841614	A	G	0.737575	0.00622464	0.00925388	0.501169	-0.774684	0.106757	3.97E-13	-0.0080351	0.0119966	0.5029977	0.592248	13	0.87196308
ENSG00000203697	1	CAPN8	223711349	rs12128409	1	223909394	C	G	0.0924453	0.00442131	0.0207756	0.831473	1.52019	0.214292	1.30E-12	0.00290839	0.0136726	0.8315478	0.9629267	10	0.96550704
ENSG00000272645	1	RP11-504P24.8	224139096	rs3933010	1	224192088	T	C	0.60338	0.0155651	0.00816138	0.0564989	0.437687	0.0797621	4.08E-08	0.0355622	0.0197407	0.0716298	0.2345643	8	0.58941739
ENSG00000163041	1	H3F3A	226249552	rs12096468	1	226258270	T	C	0.279324	0.00721052	0.0089963	0.422843	0.717251	0.100535	9.72E-13	0.010053	0.0126217	0.4257485	0.169662	10	0.8444169
ENSG00000135778	1	NTPCR	233086351	rs12725558	1	233091463	A	T	0.16004	0.00406713	0.0107642	0.705552	1.14368	0.122707	1.16E-20	0.00355618	0.00941963	0.7057809	0.9835735	5	0.90615226
ENSG00000183780	1	SLC35F3	234040679	rs4920173	1	234402570	A	G	0.204771	0.00275619	0.00904031	0.760459	0.650921	0.119301	4.87E-08	0.00423429	0.0139102	0.7608209	0.3969639	3	0.93329513
ENSG00000231663	1	RP5-827C21.4	234508553	rs58418656	1	234517998	A	G	0.0894632	0.00174262	0.0174061	0.920253	0.870156	0.142442	1.00E-09	0.00200265	0.0200061	0.9202633	0.8221211	8	0.97711701
ENSG00000162885	1	B3GALNT2	235613238	rs6657909	1	235698703	G	A	0.486083	-0.0141612	0.00806853	0.079241	-0.498501	0.0864586	8.13E-09	0.0284076	0.0169189	0.09314279	0.1793179	11	0.6151674
ENSG00000086619	1	ERO1LB	236378855	rs2695064	1	236411933	T	A	0.279324	-0.0140989	0.00835414	0.0914766	0.621498	0.0958915	9.10E-11	-0.0226854	0.0138902	0.1024281	0.6590459	20	0.62647046
ENSG00000182901	1	RGS7	240931554	rs3928886	1	241622573	G	A	0.359841	-0.0092086	0.00811097	0.25624	0.40025	0.0655828	1.04E-09	-0.0230071	0.0206124	0.2643473	0.8218581	3	0.75499306
ENSG00000225554	1	RP11-527D7.1	241587592	rs10802965	1	241625692	G	A	0.357853	-0.0086189	0.00811162	0.287995	1.25875	0.119134	4.29E-26	-0.0068472	0.00647669	0.2904208	0.9623129	14	0.76092064

ENSG00000253326	1	RP11-261C10.7	243218163	rs806232	1	243262131	G	C	0.259443	-0.0082563	0.0100667	0.41213	1.04906	0.156277	1.91E-11	-0.0078701	0.00966728	0.4155871	0.6306397	9	0.84130138
ENSG00000272195	1	RP11-156E8.1	245132652	rs644341	1	245159822	A	T	0.588469	0.026125	0.00866196	0.00256083	0.870837	0.0926088	5.28E-21	0.0299999	0.0104458	0.00407947	0.1129169	20	0.2734387
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.888179	0.0824276	4.51E-27	-0.0128425	0.00920241	0.1628491	0.00287718	20	0.67967602
ENSG00000221953	1	C1orf229	247273462	rs10924919	1	247272298	T	C	0.38668	0.00388646	0.00833101	0.640854	-0.550831	0.0832179	3.61E-11	-0.0070556	0.015162	0.6416802	0.6448361	20	0.90242996
ENSG00000196418	1	ZNF124	247285277	rs11487724	1	247333588	A	T	0.262425	0.00844577	0.00963588	0.380762	-0.899987	0.0970669	1.83E-20	-0.0093843	0.0107544	0.3828803	0.8701225	20	0.81204283
ENSG00000227135	1	GCSAML-AS1	247687981	rs10925061	1	247654993	C	T	0.323062	-0.0025535	0.00906121	0.778092	0.65173	0.117744	3.11E-08	-0.003918	0.0139213	0.7783721	0.5664541	3	0.94469349
ENSG00000196071	1	OR2L13	248100493	rs12125187	1	248099308	C	T	0.687873	0.00918306	0.00882165	0.29789	-0.71173	0.12978	4.15E-08	-0.0129024	0.012616	0.306446	0.4437506	7	0.76092064
ENSG00000189292	2	FAM150B	279558	rs6710091	2	239597	G	C	0.329026	0.0167249	0.00837602	0.0458511	-0.719139	0.0866512	1.05E-16	-0.0232568	0.0119797	0.05221448	0.8928528	16	0.54967607
ENSG00000233296	2	AC092159.2	677186	rs12714416	2	671939	G	A	0.758449	0.00192077	0.00926745	0.835807	-0.95123	0.135106	1.91E-12	-0.0020193	0.00974682	0.835877	0.638179	9	0.96665669
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs4535074	2	3481637	C	T	0.416501	-0.0084851	0.00822103	0.302016	-0.502563	0.0906024	2.91E-08	0.0168836	0.016639	0.3102476	0.9757211	6	0.76331456
ENSG00000234171	2	AC108488.3	3606082	rs35489637	2	3616123	A	C	0.293241	0.0100648	0.00842147	0.232034	-1.04081	0.0874248	1.11E-32	-0.0096702	0.00813193	0.2343772	0.5781242	10	0.74020581
ENSG00000118004	2	COLEC11	3642426	rs12618238	2	3654784	C	G	0.712724	-0.0086724	0.00930785	0.351477	-0.804107	0.134912	2.52E-09	0.0107851	0.011716	0.3572866	0.9052785	5	0.79157371
ENSG00000151693	2	ASAP2	9346894	rs4669381	2	9422788	G	A	0.640159	-0.0067423	0.00858656	0.432326	0.423925	0.0679005	4.28E-10	-0.0159045	0.0204145	0.4359324	0.5839015	7	0.8508029
ENSG00000271952	2	RP11-245G13.2	11018395	rs12465136	2	10973031	T	A	0.277336	0.0138378	0.00969499	0.15349	0.696242	0.110786	3.29E-10	0.019875	0.0142794	0.1639622	0.9218429	3	0.68134531
ENSG00000226080	2	RP11-345J13.1	11242268	rs13005670	2	11252094	C	T	0.806163	0.0182796	0.0116734	0.117369	-0.961463	0.135052	1.09E-12	-0.0190123	0.0124315	0.1261752	0.6009175	4	0.65422783
ENSG00000134324	2	LPIN1	11817721	rs3795974	2	11924950	C	T	0.596421	0.0121625	0.00833667	0.144589	0.722571	0.0926192	6.12E-15	0.0168323	0.0117375	0.1515561	0.8825858	5	0.67136051
ENSG00000183891	2	TTC32	20096404	rs13415707	2	20173673	T	G	0.111332	-0.0322402	0.0151017	0.0327718	1.06842	0.126536	3.08E-17	-0.0301756	0.0145794	0.03847669	0.9175086	12	0.47400007
ENSG00000118961	2	C2orf43	20883788	rs13385191	2	20888265	G	A	0.250497	0.00428946	0.00918223	0.640394	-0.700884	0.0912618	1.59E-14	-0.0061201	0.0131251	0.6410107	0.4325536	13	0.90242996
ENSG00000219626	2	FAM228B	24299396	rs73920010	2	24347093	C	A	0.156064	0.0295885	0.009911	0.00283191	-0.809244	0.12124	2.48E-11	-0.0365631	0.0134165	0.00642538	0.5577264	9	0.28617667
ENSG00000235072	2	AC012074.2	25592042	rs141216273	2	25599172	A	C	0.0437376	-0.003254	0.0211711	0.877848	1.63439	0.288263	1.43E-08	-0.0019909	0.0129583	0.8778926	0.6894126	3	0.97295286
ENSG00000217643	2	PTGES3P2	26045338	rs6546577	2	26105862	T	G	0.308151	0.0108494	0.00960838	0.258831	-0.643525	0.108914	3.45E-09	-0.0168593	0.0152011	0.2673918	0.03619793	10	0.75499306
ENSG00000171103	2	TRMT61B	29072687	rs4132617	2	29031312	A	C	0.588469	0.0119388	0.00815398	0.143148	-0.464703	0.0688489	1.48E-11	-0.0256912	0.0179547	0.1524621	0.6820422	14	0.67136051
ENSG00000179270	2	C2orf71	29283842	rs12620307	2	29288109	G	A	0.254473	-0.0039887	0.0114309	0.727137	-0.816518	0.113814	7.28E-13	0.00488495	0.0140161	0.7274469	0.2860147	5	0.91827118
ENSG00000018699	2	TTC27	32853099	rs113958795	2	32887074	G	C	0.17992	0.0127853	0.0110857	0.248779	-0.673247	0.121618	3.10E-08	-0.0189905	0.0168196	0.2588679	0.4765501	6	0.75499306
ENSG00000171055	2	FEZ2	36778570	rs1533946	2	36781401	C	T	0.390656	-0.0048388	0.00829706	0.55976	-0.523802	0.071129	1.78E-13	0.0092379	0.0158897	0.5609858	0.3079727	20	0.88665363
ENSG00000115816	2	CEBPZ	37428755	rs12618410	2	37521850	C	G	0.425447	-0.0045876	0.00808679	0.570512	-0.407286	0.0687926	3.21E-09	0.0112639	0.0199463	0.5722708	0.7237731	13	0.88725573
ENSG00000234362	2	AC104654.2	42158739	rs59198229	2	42149344	T	C	0.272366	0.00953428	0.00847042	0.260336	0.83166	0.115085	4.96E-13	0.0114642	0.0103078	0.266058	0.9675133	14	0.75499306
ENSG00000205086	2	C2orf91	42162508	rs17029038	2	42153714	T	C	0.267396	0.00989477	0.00847601	0.243055	0.915333	0.110642	1.31E-16	0.01081	0.00935177	0.2477083	0.8953998	20	0.75499306
ENSG00000162878	2	PKDCC	42275160	rs7580660	2	42136788	T	C	0.54672	-0.0027731	0.00814087	0.733377	0.472329	0.0843897	2.18E-08	-0.0058711	0.0172675	0.7338498	0.765143	10	0.91827118
ENSG00000162882	2	HAAO	42994229	rs12617051	2	43013772	T	C	0.622266	-0.0033974	0.00828712	0.681831	0.45049	0.068244	4.08E-11	-0.0075416	0.0184312	0.6824099	0.676877	16	0.90615226
ENSG00000152527	2	PLEKHH2	43864412	rs7585226	2	43861224	T	A	0.581511	-0.0081626	0.00815855	0.31707	0.656971	0.104748	3.57E-10	-0.0124246	0.0125754	0.3231498	0.9986783	18	0.77209244
ENSG00000138095	2	LRPPRC	44113647	rs6720846	2	44123073	T	A	0.399602	-0.0084252	0.00820225	0.304336	0.40495	0.0597892	1.26E-11	-0.0208055	0.0204866	0.3098354	0.5759115	20	0.76331456
ENSG00000250565	2	ATP6V1E2	46717889	rs3754553	2	46769135	C	T	0.477137	-0.0072811	0.00805789	0.366206	-0.541793	0.0960461	1.69E-08	0.013439	0.0150622	0.3722701	0.2385918	3	0.80819058
ENSG00000180398	2	MCFD2	47129009	rs6716381	2	47148163	A	G	0.181909	-0.0184544	0.011842	0.119143	-0.699571	0.0734085	1.58E-21	0.0263796	0.0171524	0.1240589	0.7941342	16	0.65422783
ENSG00000119888	2	EPCAM	47572297	rs72812303	2	47609287	T	C	0.0745527	-0.0030569	0.0135489	0.821495	1.34994	0.199022	1.18E-11	-0.0022645	0.0100422	0.821593	0.9259922	8	0.95999913
ENSG00000095002	2	MSH2	47630108	rs2303425	2	47630213	C	T	0.148111	-0.0075751	0.0113041	0.50278	0.636556	0.0989677	1.26E-10	-0.0119002	0.0178543	0.5050827	0.6010784	20	0.87368145
ENSG00000170802	2	FOXN2	48541776	rs79073127	2	48573895	C	G	0.12326	-0.0080756	0.0148553	0.586703	0.715874	0.104147	6.26E-12	-0.0112808	0.0208161	0.5878686	0.2053022	9	0.89416429
ENSG00000162869	2	PPP1R21	48667737	rs72820499	2	48663080	C	T	0.308151	0.00129821	0.00816111	0.873612	0.453954	0.0820319	3.13E-08	0.00285978	0.0179853	0.8736633	0.02074712	13	0.97279048
ENSG00000068781	2	STON1-GTF2A1L	48757064	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.635994	0.0950994	2.27E-11	-0.0043341	0.0131495	0.7417009	0.2068713	12	0.91827118
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.96386	0.082893	2.98E-31	-0.0028598	0.00866955	0.7414983	0.1634393	20	0.91827118
ENSG00000233266	2	HMGB1P31	54278471	rs1477258	2	54227168	A	T	0.429423	-0.0108557	0.0080878	0.17952	0.770258	0.0987438	6.16E-15	-0.0140936	0.0106544	0.1859045	0.1189387	20	0.70970575
ENSG00000162994	2	CLHC1	55401927	rs17046778	2	55459373	G	T	0.159046	-0.0285992	0.014326	0.0458997	1.29654	0.14526	4.43E-19	-0.0220581	0.0113224	0.0513933	0.5129773	19	0.54819201
ENSG00000203327	2	AC012358.7	55441523	rs934709	2	55452014	T	C	0.210736	-0.0137694	0.0121358	0.256542	0.815554	0.146218	2.44E-08	-0.0168835	0.0151852	0.2662073	0.597864	11	0.75499306
ENSG00000237651	2	C2orf74	61372243	rs11125869	2	61379533	G	A	0.409543	-0.0042125	0.00809152	0.602644	0.593489	0.0662807	3.42E-19	-0.0070978	0.0136568	0.6032567	0.01580957	20	0.89474607
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.882226	0.0853752	4.97E-25	0.0094933	0.00944541	0.314863	0.2059124	20	0.76582138
ENSG00000124374	2	PAIP2B	71409869	rs187181	2	71412126	C	T	0.291252	-0.0061697	0.00926904	0.505655	0.33345	0.0610224	4.65E-08	-0.0185025	0.0280029	0.5087821	0.6782058	3	0.87377566
ENSG00000144034	2	TPRKB	73956231	rs35498419	2	73937439	A	G	0.686879	-0.0113199	0.00868952	0.192676	-0.420874	0.0606716	4.01E-12	0.0268962	0.0210073	0.2004303	0.5155133	18	0.72873407
ENSG00000257800	2	FNBP1P1	74347807	rs3099824	2	74342567	G	A	0.441352	0.00086315	0.00828166	0.916992	0.435873	0.0704574	6.16E-10	0.00198027	0.0190029	0.9170036	0.9334131	7	0.97711701
ENSG00000217702	2	MGC10955	74361599	rs4853011	2	74361122	A	G	0.166004	-0.0032985	0.0109564	0.763373	1.42339	0.156662	1.03E-19	-0.0023173	0.00770162	0.7634998	0.7278763	10	0.9338376
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.0588	0.0777069	2.82E-42	-0.0080136	0.00851382	0.3465816	0.3985967	20	0.78900436
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.95269	0.0844835	1.71E-29	-0.0089061	0.00947246	0.3471103	0.4062248	20	0.78900436
ENSG00000115364	2	MRPL19	75873909	rs17741889	2	75942725	C	T	0.240557	-0.0017262	0.00888127	0.845889	-0.843854	0.0806091	1.21E-25	0.00204564	0.0105265	0.8459153	0.2029719	17	0.9720198
ENSG00000115423	2	DNAH6	84743579	rs7581224	2	84709215	T	G	0.393638	0.00019658	0.00841405	0.981361	-0.657922	0.111817	4.01E-09	-0.0002988	0.0127889	0.981361	0.6983249	7	0.99305403
ENSG00000246575	2	AC093162.5	85542164	rs140300131	2	85571458	T	C	0.0248509	-0.030284	0.0234256	0.196089	1.74313	0.271964	1.46E-10	-0.0173733	0.0137095	0.2050648	0.9033175	4	0.72873407
ENSG00000115486	2	GGCX	85771846	rs6743030	2	85763520	T	C	0.497018	-0.0045353	0.00809918	0.575498	0.479307	0.0693854	4.92E-12	-0.0094622	0.0169531	0.5767475	0.4021509	12	0.88835479
ENSG00000115525	2	ST3GAL5	86066267	rs10193207	2	86148796	G	A	0.332008	-0.0133392	0.00845534	0.114657	-0.443919	0.0630028	1.84E-12	0.0300487	0.0195186	0.1236847	0.09436891	15	0.65422783
ENSG00000272564	2	RP11-548P2.2	86131402	rs2679715	2	86130087	T	C	0.590457	0.014251	0.00818319	0.0815962	0.586106	0.0742176	2.85E-15	0.0243147	0.0142974	0.08901126	0.1526146	9	0.61234768
ENSG00000132305	2	IMMT	86371055	rs12714175	2	86432865	C	G	0.475149	0.0151772	0.00806139	0.0597407	-0.47443	0.0787595	1.70E-09	-0.0319904	0.0178023	0.07233896	0.2890835	11	0.58941739
ENSG00000273080	2	RP11-301O19.1	86422713	rs7566961	2	86411607	A	G	0.478131	0.0131637	0.0080533	0.10214	0.93024	0.102817	1.46E-19	0.0141509	0.00879738	0.1077187	0.263964	20	0.63267467
ENSG00000132313	2	MRPL35	86426478	rs6749439	2	86400092	T	G	0.507952	0.0118388	0.00812274	0.14498	-0.510094	0.0865085	3.71E-09	-0.0232091	0.0164033	0.1570963	0.3505893	8	0.67639935
ENSG00000231259	2	AC125232.1	87257800	rs10205992	2	87279109	T	C	0.516899	0.00100886	0.00829855	0.903239	-0.750513	0.110984	1.36E-11	-0.0013442	0.011059	0.9032546	0.01257581	10	0.97482371
ENSG00000163586	2	FABP1	88422510	rs62157016	2	88467075	A	G	0.255467	0.00373909	0.0110947	0.736104	0.801875	0.136785	4.56E-09	0.00466293	0.0138588	0.7365238	0.1330106	6	0.91827118
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.20986	0.118269	1.46E-24	0.00318988	0.00717747	0.6567317	0.7838811	17	0.90478858
ENSG00000144026	2	ZNF514	95813075	rs3112998	2	95822447	G	A	0.585487	0.0162433	0.00842676	0.0539064	0.447177	0.0818027	4.59E-08	0.0363241	0.0199816	0.06908247	0.2591563	5	0.58941739
ENSG00000155066	2	PROM2	95940201	rs3112990	2	95750419	C	T	0.753479	0.0238248	0.00949153	0.0120692	0.461831	0.0746227	6.06E-10	0.0515877	0.022178	0.02001459	0.1925301	12	0.41658613
ENSG00000135976	2	ANKRD36	97779233	rs6542895	2	98181056	C	T	0.649105	-0.000587	0.00934138	0.949899	0.454534	0.081514	2.46E-08	-0.0012913	0.0205529	0.9499021	0.3610717	6	0.98571272
ENSG00000212283	2	SNORD89	101889398	rs10166863	2	101979822	C	T	0.483101	0.00394583	0.00807678	0.625167	0.600254	0.0950635	2.71E-10	0.0065736	0.0134958	0.6261986	0.4944054	9	0.90242996
ENSG00000071054	2	MAP4K4	102313312	rs6724370	2	102352552	C	G	0.706759	0.00310799	0.00916373	0.734488	0.302274	0.0509666	3.01E-09	0.010282	0.0303655	0.7349044	0.01972538	8	0.91827118
ENSG00000115602	2	IL1RL1	102927962	rs12712135	2	102930948	G	A	0.498012	0.01259	0.00802994	0.116909	-0.518471	0.0732201	1.43E-12	-0.0242829	0.0158629	0.1258175	0.5616112	6	0.65422783
ENSG00000115604	2	IL18R1	102927989	rs12712135	2	102930948	G	A	0.498012	0.01259	0.00802994	0.116909	-0.684378	0.0890478	1.52E-14	-0.0183963	0.0119749	0.1244794	0.5021558	6	0.65422783
ENSG00000234177	2	AC068057.2	105363096	rs12472204	2	105372227	G	A	0.360835	-0.0012889	0.00895779	0.88559	0.488592	0.0826504	3.39E-09	-0.002638	0.0183393	0.8856242	0.1852435	4	0.97445788
ENSG00000135972	2	MRPS9	105654441	rs12614300	2	105723776	C	A	0.223658	0.00849202	0.0107404	0.429141	-0.44227	0.0799184	3.13E-08	-0.019201	0.0245313	0.4337956	0.01583462	12	0.84804658
ENSG00000198203	2	SULT1C2	108905095	rs13410305	2	108912673	A	C	0.162028	0.00415153	0.00987914	0.674315	1.0569	0.135421	5.97E-15	0.00392803	0.00936082	0.6747601	0.1982548	13	0.90615226
ENSG00000169629	2	RGPD8	113127669	rs144220082	2	113130532	T	C	0.154076	0.00135191	0.0109654	0.901878	-1.14835	0.127209	1.76E-19	-0.0011773	0.00954972	0.9018876	0.8641014	20	0.97482371
ENSG00000125630	2	POLR1B	113299492	rs13395779	2	113329522	C	T	0.0695825	0.00187127	0.0181901	0.918064	1.29422	0.14812	2.38E-18	0.00144587	0.0140558	0.9180694	0.7547566	10	0.97711701
ENSG00000243389	2	AC012442.5	113346617	rs28819453	2	113366965	A	T	0.139165	0.0112819	0.0122846	0.358422	1.01975	0.164694	5.95E-10	0.0110634	0.0121785	0.3636462	0.378885	9	0.79653651
ENSG00000237753	2	AC079922.3	113399409	rs11123144	2	113403662	C	T	0.831014	-0.0142907	0.0119218	0.230641	-0.972567	0.101534	9.83E-22	0.0146938	0.0123537	0.2342722	0.9793608	14	0.74020581
ENSG00000125637	2	PSD4	113914902	rs2241976	2	113943470	G	A	0.452286	-0.0135383	0.00815674	0.0969617	0.459526	0.0589678	6.55E-15	-0.0294614	0.0181485	0.1045132	0.6044533	9	0.63034524
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-1.05571	0.12294	8.91E-18	0.00834278	0.00780451	0.2850833	0.6061371	20	0.75833031
ENSG00000125618	2	PAX8	113973574	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.58703	0.0909438	1.08E-10	0.0150036	0.014119	0.2879407	0.4441161	12	0.76092064
ENSG00000225398	2	RP11-395L14.5	114299514	rs114676503	2	114361603	C	A	0.4334	0.0194714	0.00857535	0.0231697	0.71805	0.109862	6.32E-11	0.0271171	0.0126427	0.03196273	0.4838767	8	0.47400007
ENSG00000146556	2	WASH2P	114341664	rs144468477	2	114366384	T	A	0.345924	0.0147856	0.0091274	0.105251	-0.89262	0.0998284	3.84E-19	-0.0165643	0.0103919	0.1109435	0.4179394	20	0.64016215
ENSG00000236397	2	DDX11L2	114356606	rs139955739	2	114336733	A	G	0.346918	0.0129897	0.00896377	0.147301	1.24999	0.105524	2.27E-32	0.0103918	0.00722454	0.1503178	0.2010532	20	0.67136051
ENSG00000240356	2	RPL23AP7	114368079	rs1667103	2	114380967	T	C	0.294235	0.0087771	0.00870705	0.313433	-0.796949	0.0824936	4.43E-22	-0.0110134	0.0109848	0.316053	0.01703704	20	0.76582138
ENSG00000260163	2	RP11-521O16.2	127782787	rs2404175	2	127783891	T	C	0.199801	-0.0050086	0.00981807	0.609951	0.795162	0.132484	1.95E-09	-0.0062989	0.0123918	0.6112358	0.07167986	7	0.89635606
ENSG00000163161	2	ERCC3	128014866	rs72848618	2	128135325	C	A	0.251491	-0.0067009	0.00943206	0.477435	-0.584486	0.0879766	3.06E-11	0.0114645	0.0162294	0.4799351	0.8269548	19	0.86372807
ENSG00000236682	2	AC068282.3	128146706	rs2090573	2	128110801	C	T	0.770378	0.0112092	0.00909393	0.217723	-1.3955	0.114783	5.22E-34	-0.0080324	0.00655002	0.2200798	0.9742131	20	0.74020581
ENSG00000144231	2	POLR2D	128603840	rs335135	2	128585619	G	A	0.577535	-0.0056887	0.00810984	0.483015	-0.381247	0.0676754	1.77E-08	0.0149214	0.0214361	0.4863757	0.8570786	11	0.86386102
ENSG00000214100	2	AC079776.2	130680435	rs6760544	2	130694072	C	A	0.693837	-0.0082865	0.0082287	0.313924	0.840298	0.106972	3.99E-15	-0.0098614	0.00987274	0.317868	0.1204557	15	0.76582138
ENSG00000225449	2	AC079776.7	130724165	rs1922633	2	130701189	A	G	0.702783	-0.014061	0.00827921	0.0894417	0.859231	0.0853821	8.02E-24	-0.0163646	0.00977186	0.09399919	0.589041	16	0.61532078
ENSG00000222014	2	RAB6C	130737235	rs1922633	2	130701189	A	G	0.702783	-0.014061	0.00827921	0.0894417	0.871634	0.100189	3.32E-18	-0.0161318	0.00967779	0.09553705	0.5454525	13	0.61532078
ENSG00000180178	2	AC018865.8	130748029	rs72988367	2	131453497	G	C	0.318091	-0.0183694	0.0107002	0.086028	0.75614	0.121428	4.75E-10	-0.0242936	0.014679	0.09792595	0.2099428	6	0.61629484
ENSG00000236595	2	MED15P5	131009141	rs7588714	2	130993624	A	G	0.455268	-0.0175433	0.00809847	0.0302914	0.74382	0.105834	2.09E-12	-0.0235854	0.0113931	0.03843866	0.5929716	20	0.47400007
ENSG00000273073	2	RP11-109E12.1	132219394	rs6722714	2	132231771	C	T	0.0924453	0.0258102	0.0171846	0.133113	0.771944	0.13947	3.12E-08	0.0334353	0.0230665	0.1471933	0.1542922	12	0.67136051
ENSG00000173272	2	MZT2A	132222473	rs6430825	2	132244046	C	T	0.0924453	0.0256285	0.0171855	0.135887	-0.646472	0.0999114	9.77E-11	-0.0396436	0.0272804	0.1461712	0.4520771	9	0.67136051
ENSG00000152117	2	AC093838.4	132250386	rs374293949	2	132260297	A	G	0.194831	-0.0095517	0.00918408	0.298327	-1.17984	0.100487	7.83E-32	0.00809576	0.00781465	0.3002154	0.9999803	20	0.76092064
ENSG00000197927	2	C2orf27A	132479948	rs6720375	2	132440073	C	G	0.585487	-0.0048793	0.00852259	0.566978	0.462839	0.0813082	1.25E-08	-0.010542	0.0185066	0.5689258	0.9921149	5	0.88725573
ENSG00000196151	2	WDSUB1	160092304	rs714156	2	160141068	C	T	0.342942	0.0129889	0.00821119	0.113683	-0.867586	0.11638	9.00E-14	-0.0149713	0.00967514	0.1217668	0.8954603	9	0.65280534
ENSG00000115221	2	ITGB6	160956177	rs10929973	2	161119907	G	A	0.72664	0.0226724	0.00958522	0.0180127	-1.0893	0.117187	1.47E-20	-0.0208137	0.00907985	0.02188841	0.5006521	20	0.41658613
ENSG00000227403	2	AC009299.3	162101250	rs11678980	2	162101261	A	G	0.430417	0.0250476	0.00829975	0.00254554	-0.720049	0.128893	2.32E-08	-0.034786	0.0131011	0.00792613	0.4483479	4	0.31290184
ENSG00000071967	2	CYBRD1	172378757	rs868106	2	172378818	G	A	0.523857	-0.0092302	0.00817025	0.25859	0.535313	0.0773542	4.51E-12	-0.0172426	0.0154646	0.2648629	0.8624036	10	0.75499306
ENSG00000115935	2	WIPF1	175424300	rs11675139	2	175440316	A	G	0.54672	0.0161976	0.00820556	0.0483849	-0.428671	0.0583934	2.12E-13	-0.0377856	0.0198218	0.05661576	0.2892511	14	0.5610297
ENSG00000226363	2	AC009336.24	177042445	rs10834	2	177042087	G	A	0.346918	0.00180331	0.00824192	0.826808	-0.715952	0.0878554	3.66E-16	-0.0025188	0.011516	0.8268693	0.1180958	10	0.96394092
ENSG00000115252	2	PDE1A	183004763	rs7607891	2	183427391	A	G	0.758449	0.0119926	0.0113948	0.292588	-0.887663	0.0826324	6.44E-27	-0.0135103	0.0128983	0.2948933	0.9845762	20	0.76092064
ENSG00000163002	2	NUP35	183982241	rs925806	2	183996081	A	G	0.430417	-0.0015036	0.00819826	0.854481	-0.493798	0.0824007	2.06E-09	0.00304495	0.0166102	0.8545487	0.201757	9	0.97265415
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.18483	0.106135	6.16E-29	0.00974688	0.0069771	0.1624187	0.3080169	20	0.67967602
ENSG00000259915	2	RP11-410E4.1	187219299	rs12693451	2	187386767	A	G	0.67992	-0.0104506	0.00820335	0.202682	-0.706788	0.104115	1.13E-11	0.014786	0.0118091	0.2105383	0.3881879	20	0.72873407
ENSG00000138381	2	ASNSD1	190526111	rs13026135	2	190583569	A	G	0.729622	0.0191748	0.00877409	0.0288602	0.667048	0.0906329	1.84E-13	0.0287458	0.0137212	0.03617245	0.04714654	10	0.47400007
ENSG00000128699	2	ORMDL1	190635049	rs6756571	2	190505697	T	C	0.752485	0.0205684	0.0090884	0.0236271	-0.799511	0.115205	3.92E-12	-0.0257262	0.0119566	0.03142655	0.1081318	16	0.47400007
ENSG00000151690	2	MFSD6	191273081	rs142989753	2	191487095	T	C	0.0188867	0.0309074	0.0361644	0.392752	-0.728253	0.126818	9.33E-09	-0.0424405	0.0502061	0.397929	0.9204151	9	0.819932
ENSG00000226124	2	FTCDNL1	200625267	rs6759018	2	200620763	C	T	0.663022	0.00506358	0.00929581	0.585949	-0.932343	0.0870196	8.73E-27	-0.005431	0.00998325	0.586432	0.09711311	14	0.89416429
ENSG00000240344	2	PPIL3	201735630	rs7559150	2	201754063	C	T	0.263419	0.00811619	0.00936911	0.386341	-1.1283	0.09734	4.56E-31	-0.0071933	0.0083269	0.3876636	0.6914828	20	0.81252804
ENSG00000234842	2	AC007163.8	202414354	rs6760687	2	202418988	G	A	0.459245	-0.0060373	0.00807207	0.454503	-0.757554	0.0987197	1.67E-14	0.0079695	0.0107059	0.4566339	0.9230463	18	0.86231368
ENSG00000224299	2	AC007282.6	202415247	rs6760687	2	202418988	G	A	0.459245	-0.0060373	0.00807207	0.454503	-0.671932	0.0946343	1.24E-12	0.00898503	0.0120797	0.4569896	0.9198505	17	0.86231368
ENSG00000182187	2	CRYGB	209007297	rs2854723	2	209010558	G	A	0.520875	0.0139479	0.00807799	0.0842287	-0.882482	0.106349	1.06E-16	-0.0158053	0.00934978	0.09094261	0.8124256	20	0.61234768
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	1.61278	0.209537	1.39E-14	-0.0045196	0.0125089	0.7178699	0.9036088	10	0.91266332
ENSG00000261338	2	RP11-378A13.1	219120042	rs992157	2	219154781	A	G	0.583499	-0.0016075	0.00856575	0.851141	0.791216	0.0864536	5.59E-20	-0.0020317	0.0108283	0.8511712	0.189369	20	0.97265415
ENSG00000115649	2	CNPPD1	220036619	rs6715064	2	220041928	T	C	0.305169	0.0194745	0.00869915	0.0251773	-0.693047	0.0675523	1.07E-24	-0.0280998	0.0128474	0.02872779	0.0293842	13	0.46635674
ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.570792	0.102746	2.77E-08	0.0123791	0.0156416	0.4286995	0.5631769	3	0.84587444
ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-1.27096	0.217962	5.51E-09	-0.0006829	0.0134437	0.9594853	0.780421	3	0.98571272
ENSG00000156973	2	PDE6D	232597135	rs62198564	2	232637839	A	G	0.342942	-0.0006161	0.00881715	0.944291	-0.37449	0.0590991	2.35E-10	0.00164523	0.0235459	0.9442942	0.05686445	12	0.98571272
ENSG00000182600	2	C2orf82	233721980	rs2592126	2	233751377	G	A	0.630219	-0.0146494	0.00884046	0.0975035	0.563402	0.0906724	5.18E-10	-0.0260017	0.0162396	0.109349	0.4016166	9	0.6352482
ENSG00000184182	2	UBE2F	238875469	rs2264133	2	238994078	A	G	0.28827	-0.0101976	0.00880945	0.247036	-0.399371	0.0661843	1.60E-09	0.0255342	0.0224605	0.2556028	0.4249511	20	0.75499306
ENSG00000132330	2	SCLY	238969530	rs2264132	2	238994676	C	T	0.798211	-0.0028597	0.0106194	0.787708	-0.566498	0.087347	8.84E-11	0.00504803	0.0187618	0.7878848	0.5241073	8	0.94906789
ENSG00000144485	2	HES6	239146908	rs7572392	2	239134138	C	A	0.326044	-0.0092829	0.00873249	0.287768	0.571411	0.0854834	2.32E-11	-0.0162456	0.0154744	0.2937928	0.9777877	11	0.76092064
ENSG00000130414	2	NDUFA10	240831867	rs1465880	2	240932326	A	G	0.353877	0.00527486	0.00811402	0.515633	0.360572	0.0625303	8.10E-09	0.0146291	0.0226457	0.5182796	0.771451	6	0.87377566
ENSG00000122085	2	MTERFD2	242011584	rs7587318	2	242065358	G	A	0.16004	0.00057414	0.0106637	0.957062	-0.63331	0.111651	1.41E-08	-0.0009066	0.0168388	0.9570639	0.5671962	7	0.98571272
ENSG00000146205	2	ANO7	242127924	rs111770284	2	242157087	T	C	0.168986	-0.0247231	0.011887	0.0375396	0.772641	0.138238	2.28E-08	-0.0319982	0.0164156	0.05126443	0.9080011	7	0.54819201
ENSG00000115677	2	HDLBP	242166679	rs3771573	2	242387346	A	G	0.189861	0.0118785	0.00924116	0.198656	-0.508866	0.0882455	8.09E-09	-0.0233431	0.018606	0.2096242	0.1078844	10	0.72873407
ENSG00000168385	2	2-Sep	242254515	rs73116394	2	242367915	G	A	0.0974155	0.00843686	0.0150066	0.573972	0.625766	0.0780158	1.05E-15	0.0134825	0.02404	0.5749107	0.08213276	15	0.88766212
ENSG00000180902	2	D2HGDH	242673994	rs6733823	2	242695900	C	T	0.514911	0.00726057	0.00810422	0.370306	-0.71778	0.0813249	1.08E-18	-0.0101153	0.0113487	0.3727576	0.8987293	12	0.80819058
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.08652	0.104499	2.55E-25	0.0161908	0.0085889	0.05941896	0.3901581	20	0.56834621
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	0.824378	0.106841	1.20E-14	0.0177643	0.0109216	0.1038371	0.1701823	20	0.63034524
ENSG00000180914	3	OXTR	8792094	rs55676347	3	8826973	A	C	0.199801	-0.0098823	0.00885643	0.264493	1.20779	0.134376	2.51E-19	-0.0081821	0.00738905	0.26815	0.02618845	10	0.75499306
ENSG00000144559	3	TAMM41	11831916	rs6790543	3	11847299	G	C	0.389662	-0.0060915	0.00821053	0.458143	-0.638462	0.0993952	1.33E-10	0.00954083	0.0129453	0.4611171	0.6874978	17	0.86231368
ENSG00000163528	3	CHCHD4	14153580	rs2731316	3	14154231	G	T	0.522863	0.00044669	0.00817277	0.956413	-0.496117	0.0859948	7.97E-09	-0.0009004	0.0164742	0.9564149	0.1280195	11	0.98571272
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	1.03239	0.0962269	7.46E-27	-0.0006166	0.00807174	0.9391079	0.00399342	12	0.98530027
ENSG00000170275	3	CRTAP	33155471	rs4678686	3	33158912	A	G	0.857853	-0.0140727	0.0131945	0.286169	0.478244	0.0867803	3.57E-08	-0.0294258	0.0281014	0.2950405	0.1017459	5	0.76092064
ENSG00000157036	3	EXOG	38537618	rs1073506	3	38566235	T	G	0.387674	0.0130314	0.00816288	0.110396	0.512355	0.0711025	5.77E-13	0.0254343	0.0163184	0.1190841	0.1059093	14	0.65237472
ENSG00000168028	3	RPSA	39448180	rs2723	3	39453610	T	C	0.499006	0.00194882	0.00812146	0.810362	0.436202	0.0629946	4.38E-12	0.0044677	0.0186298	0.8104734	0.4487074	8	0.95638064
ENSG00000168036	3	CTNNB1	41236328	rs9872571	3	41232162	T	C	0.427435	-0.0122326	0.00809331	0.130675	0.437636	0.0729013	1.94E-09	-0.0279515	0.0190704	0.1427291	0.4546946	13	0.67136051
ENSG00000168038	3	ULK4	41288090	rs6794211	3	41751324	T	A	0.187873	0.00599247	0.00974846	0.538747	0.992997	0.124361	1.41E-15	0.00603473	0.00984626	0.5399452	0.9371172	5	0.8781693
ENSG00000093183	3	SEC22C	42589461	rs33984028	3	42622781	T	C	0.140159	0.00248904	0.0127018	0.844642	0.51538	0.0891373	7.39E-09	0.00482952	0.0246597	0.8447298	0.9939614	7	0.97171898
ENSG00000230084	3	RP4-613B23.1	42643455	rs6790204	3	42677914	G	A	0.112326	0.00335622	0.0132603	0.800189	0.846161	0.134519	3.17E-10	0.00396641	0.0156838	0.8003469	0.9979065	9	0.95284617
ENSG00000173811	3	CCDC13-AS1	42774067	rs34510173	3	42791806	C	T	0.185885	-0.0015608	0.011682	0.893712	-1.05263	0.122159	6.88E-18	0.00148279	0.0110993	0.8937238	0.2046295	10	0.97482371
ENSG00000144792	3	ZNF660	44619715	rs9853483	3	44602620	A	G	0.906561	0.00337793	0.0148935	0.820574	-1.23557	0.160507	1.38E-14	-0.0027339	0.0120592	0.8206514	0.3020159	20	0.95999913
ENSG00000163812	3	ZDHHC3	44956749	rs1520080	3	45080571	A	C	0.39165	-5.86E-05	0.00813969	0.994259	0.527507	0.0858514	8.03E-10	-0.000111	0.0154305	0.9942586	0.3231598	8	0.9977049
ENSG00000249992	3	TMEM158	45265958	rs33770	3	45282691	A	G	0.754473	-0.0025571	0.00933359	0.784112	-0.425058	0.0688679	6.74E-10	0.00601584	0.02198	0.7843184	0.9454264	5	0.9473999
ENSG00000011376	3	LARS2	45429998	rs3821895	3	45587983	G	A	0.333002	-0.0074022	0.0096328	0.442229	-0.526264	0.0958014	3.95E-08	0.0140655	0.0184823	0.4466415	0.3026541	6	0.85657081
ENSG00000144791	3	LIMD1	45596886	rs77415540	3	45592656	T	C	0.0467197	5.55E-05	0.0243666	0.998183	1.10173	0.183094	1.77E-09	5.04E-05	0.0221167	0.9981834	0.9555203	4	0.99875839
ENSG00000012223	3	LTF	46477136	rs2139634	3	46521392	T	G	0.414513	-0.0017622	0.00810721	0.827923	0.900175	0.114899	4.71E-15	-0.0019577	0.00900973	0.8279875	0.731591	12	0.96420253
ENSG00000241186	3	TDGF1	46616045	rs3806702	3	46617502	C	T	0.270378	-0.0211701	0.00870733	0.0150446	0.825181	0.091027	1.24E-19	-0.0256551	0.0109249	0.01885909	0.4825325	11	0.40947799

ENSG00000188086	3	PRSS45	46783582	rs6764144	3	46782155	A	G	0.144135	-0.0097667	0.0102907	0.34258	1.02357	0.133738	1.96E-14	-0.0095418	0.0101307	0.3462626	0.5259149	16	0.78900436
ENSG00000164048	3	ZNF589	48282590	rs11130163	3	48312658	C	T	0.327038	-0.0250208	0.00963862	0.00943452	0.741545	0.114678	1.00E-10	-0.0337414	0.0140063	0.01599548	0.2012466	9	0.39871484
ENSG00000229759	3	MRPS18AP1	48297840	rs11713476	3	48375434	T	C	0.313121	-0.0273353	0.00965742	0.00464761	0.729858	0.12137	1.82E-09	-0.0374529	0.0146244	0.01043752	0.6618646	9	0.34730299
ENSG00000172113	3	NME6	48334754	rs7614532	3	48333446	A	G	0.291252	-0.0247546	0.00989954	0.0123988	-0.589869	0.108191	4.98E-08	0.0419663	0.0184636	0.02303082	0.2500323	4	0.41658613
ENSG00000244380	3	RP11-24C3.2	48481762	rs9826247	3	48497145	G	A	0.536779	-0.0017528	0.00820979	0.830939	-0.587919	0.104906	2.09E-08	0.00298131	0.0139743	0.8310596	0.2485645	5	0.96550704
ENSG00000213689	3	TREX1	48506445	rs9876781	3	48487338	G	A	0.536779	-0.0017175	0.00820951	0.834289	0.519094	0.0791985	5.59E-11	-0.0033086	0.0158231	0.8343714	0.3174169	7	0.96625375
ENSG00000213672	3	NCKIPSD	48701364	rs12497850	3	48748989	T	G	0.656064	-0.028948	0.0084896	0.00065007	0.792912	0.0942975	4.15E-17	-0.0365085	0.0115537	0.00157827	0.00617122	20	0.20338732
ENSG00000178467	3	P4HTM	49027319	rs4974091	3	49025101	C	A	0.66501	-0.0282295	0.00856115	0.00097587	0.450985	0.0668381	1.50E-11	-0.0625952	0.0211287	0.00305091	0.01018889	20	0.26497153
ENSG00000178252	3	WDR6	49044495	rs6446218	3	49075513	T	A	0.663022	-0.0283312	0.00854633	0.00091639	-0.447166	0.0708992	2.84E-10	0.0633572	0.0215914	0.00334217	0.5026687	8	0.2734387
ENSG00000145020	3	AMT	49454211	rs4955427	3	49260646	C	T	0.765408	-0.0246223	0.00989438	0.012828	0.455335	0.0757662	1.86E-09	-0.0540751	0.0235192	0.02149386	0.2270047	12	0.41658613
ENSG00000173540	3	GMPPB	49754277	rs148383796	3	49811047	A	G	0.164016	0.0226059	0.0131511	0.0856269	0.984158	0.112444	2.09E-18	0.0229698	0.0136181	0.09165826	7.56E-06	13	0.61234768
ENSG00000004534	3	RBM6	49977440	rs4688756	3	50040194	A	T	0.519881	0.00152068	0.00807564	0.850638	-0.504713	0.0640812	3.38E-15	-0.003013	0.016005	0.8506801	0.04156272	20	0.97265415
ENSG00000232352	3	SEMA3B-AS1	50304073	rs556654756	3	50538994	C	T	0.0129225	0.122232	0.0429206	0.00440159	1.27157	0.209813	1.36E-09	0.0961268	0.0372949	0.00995244	0.9901198	3	0.34409357
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.560749	0.0743255	4.54E-14	0.0216238	0.014824	0.1446474	0.1067869	10	0.67136051
ENSG00000055955	3	ITIH4	52846991	rs6803519	3	52889771	T	C	0.264414	-0.038451	0.00915708	2.68E-05	0.653402	0.0834683	4.95E-15	-0.0588474	0.0159034	0.00021533	0.6515043	13	0.12467844
ENSG00000242142	3	SERBP1P3	53098299	rs34530577	3	53103796	T	G	0.596421	0.00354069	0.00815543	0.664179	0.737016	0.0895969	1.94E-16	0.00480409	0.0110809	0.6646168	0.00019524	18	0.90615226
ENSG00000163931	3	TKT	53258723	rs6766141	3	53387889	T	C	0.348907	-0.0091579	0.00835192	0.272859	-0.496516	0.0694071	8.45E-13	0.0184443	0.0170175	0.2784339	0.00056338	20	0.75678055
ENSG00000113812	3	ACTR8	53901093	rs6794006	3	53933458	A	T	0.374751	0.00328344	0.00855867	0.701245	-0.480077	0.0776397	6.27E-10	-0.0068394	0.017862	0.7017918	0.02403004	8	0.90615226
ENSG00000163618	3	CADPS	62384022	rs78663975	3	63005660	T	G	0.10338	0.0140108	0.0121137	0.247432	0.483073	0.0825918	4.95E-09	0.0290035	0.0255619	0.2565278	0.7687461	8	0.75499306
ENSG00000144741	3	SLC25A26	66119285	rs150944873	3	66287363	C	A	0.343936	-0.013539	0.00807965	0.0937994	-0.577887	0.0705673	2.63E-16	0.0234285	0.0142711	0.1006574	0.734164	19	0.62046622
ENSG00000241316	3	RP11-81N13.1	67705121	rs6793868	3	67695020	C	T	0.360835	0.0113299	0.0082035	0.167246	-0.660957	0.100344	4.49E-11	-0.0171417	0.0126814	0.1764673	0.45978	11	0.70330236
ENSG00000163378	3	EOGT	69024365	rs12485250	3	69062026	A	C	0.187873	-0.0088449	0.00868836	0.308672	-0.5194	0.0913973	1.32E-08	0.017029	0.016994	0.3163139	0.2874065	20	0.76582138
ENSG00000144746	3	ARL6IP5	69134095	rs11128111	3	69145632	C	T	0.512922	0.00653649	0.00807725	0.418373	-0.451515	0.0696294	8.90E-11	-0.0144768	0.018028	0.4219643	0.1654008	11	0.8415063
ENSG00000163412	3	EIF4E3	71724567	rs6804667	3	71758015	C	A	0.642147	0.00691321	0.00904682	0.444772	0.693373	0.0695892	2.20E-23	0.00997041	0.0130859	0.4461068	0.4783354	8	0.85657081
ENSG00000172986	3	GXYLT2	72937224	rs3821379	3	73016974	G	A	0.659046	0.00365753	0.00947379	0.699446	0.506306	0.0891514	1.35E-08	0.00722395	0.0187548	0.7001046	0.5591814	4	0.90615226
ENSG00000163605	3	PPP4R2	73045936	rs13064918	3	73041089	G	A	0.342942	0.00388649	0.00837984	0.642797	-0.416215	0.0643513	9.94E-11	-0.0093377	0.0201851	0.6436492	0.9013626	14	0.90242996
ENSG00000244026	3	FAM86DP	75470703	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.2549	0.223968	2.11E-08	0.0136875	0.012391	0.2693178	0.7710907	6	0.75499306
ENSG00000272690	3	RP11-803B1.8	75484499	rs144683933	3	75422368	A	C	0.0725646	-0.0152208	0.014044	0.278456	-1.22465	0.196284	4.40E-10	0.0124287	0.0116395	0.2856093	0.638938	11	0.75856782
ENSG00000227124	3	ZNF717	75758794	rs13078579	3	75933419	G	A	0.420477	-0.0109724	0.00810401	0.175754	-0.580946	0.0871532	2.63E-11	0.0188871	0.0142345	0.1845574	0.3734707	20	0.70906142
ENSG00000175161	3	CADM2	85008132	rs6803322	3	84986088	A	C	0.337972	-0.004874	0.00976819	0.617803	0.667317	0.0918029	3.62E-13	-0.0073039	0.0146725	0.6186291	0.1071562	20	0.90223236
ENSG00000178750	3	STX19	93733213	rs62266106	3	93522841	A	G	0.235586	0.0039179	0.00897253	0.662361	0.808926	0.141078	9.81E-09	0.00484334	0.011124	0.6632762	0.9568179	8	0.90615226
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.925776	0.0975264	2.25E-21	0.00494765	0.00875532	0.5720039	0.9180515	17	0.88725573
ENSG00000181458	3	TMEM45A	100211463	rs6808426	3	100262616	C	T	0.44334	-0.0036283	0.0081221	0.655075	-0.723238	0.106828	1.29E-11	0.00501679	0.0112546	0.6557751	0.7380156	8	0.90478858
ENSG00000256628	3	ZBTB11-AS1	101395274	rs6791696	3	101409096	G	A	0.40159	0.0126341	0.00825896	0.126079	-0.541411	0.0979724	3.27E-08	-0.0233355	0.0158282	0.1404007	0.7223948	4	0.66998905
ENSG00000244119	3	PDCL3P4	101431316	rs11710533	3	101351472	A	G	0.328032	-0.006343	0.00838522	0.449378	0.836511	0.0837924	1.81E-23	-0.0075827	0.0100528	0.4506757	0.05840276	20	0.85930153
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.804669	0.0870746	2.44E-20	-0.0102713	0.010104	0.3093669	0.9517712	16	0.76331456
ENSG00000243795	3	RP11-572M11.3	112861197	rs2245698	3	112828278	T	G	0.389662	0.00853135	0.00808166	0.291131	0.618306	0.083942	1.76E-13	0.0137979	0.0132042	0.2960385	0.9953949	10	0.76092064
ENSG00000163389	3	POGLUT1	119187785	rs80141465	3	119227659	C	T	0.0656064	-0.0417648	0.018616	0.0248651	1.15182	0.170923	1.60E-11	-0.0362598	0.0170344	0.03328528	0.05407611	5	0.47400007
ENSG00000144843	3	ADPRH	119298115	rs138015439	3	119298609	A	C	0.0318091	-0.0199124	0.0215006	0.354379	-1.08503	0.137043	2.42E-15	0.0183519	0.0199508	0.3576456	0.8817842	3	0.79157371
ENSG00000173226	3	IQCB1	121488610	rs4676756	3	121532639	G	A	0.614314	-0.0033296	0.00851649	0.695827	0.761694	0.100684	3.87E-14	-0.0043713	0.0111959	0.6962126	0.7912947	18	0.90615226
ENSG00000243429	3	OR7E29P	125430983	rs6800886	3	125408094	G	A	0.594433	0.00511017	0.00881834	0.562256	-0.704731	0.124053	1.34E-08	-0.0072512	0.012578	0.5642761	0.2853309	4	0.88725573
ENSG00000171084	3	FAM86JP	125635463	rs9680978	3	125610270	C	T	0.136183	-0.0093214	0.0174691	0.593621	0.972296	0.153641	2.48E-10	-0.009587	0.0180306	0.5949279	0.259552	14	0.89456808
ENSG00000189366	3	ALG1L	125648118	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.917114	0.109221	4.58E-17	-0.0187798	0.00987361	0.05716883	0.6273247	20	0.5610297
ENSG00000070476	3	ZXDC	126156444	rs12957	3	126170695	G	T	0.622266	0.00776475	0.00821966	0.344834	0.375853	0.0678787	3.07E-08	0.020659	0.0221853	0.3517494	0.6835508	4	0.79157371
ENSG00000180767	3	CHST13	126243126	rs10804576	3	126234026	G	A	0.567594	0.00953765	0.00808246	0.237983	0.722049	0.102838	2.20E-12	0.0132091	0.0113508	0.2445368	0.8337006	20	0.75445901
ENSG00000261159	3	RP11-723O4.9	128578559	rs2933344	3	128658715	G	A	0.207753	-0.0084174	0.00969978	0.385506	0.606433	0.0928485	6.51E-11	-0.0138802	0.0161354	0.3896588	0.575847	6	0.81252804
ENSG00000231305	3	RP11-723O4.2	128580156	rs2933344	3	128658715	G	A	0.207753	-0.0084174	0.00969978	0.385506	0.605635	0.0995174	1.16E-09	-0.0138985	0.0161779	0.3902822	0.1996801	8	0.81252804
ENSG00000163913	3	IFT122	129158968	rs9849510	3	129123860	T	A	0.164016	0.0196658	0.0153123	0.19903	-0.61561	0.0905951	1.08E-11	-0.0319452	0.0253137	0.2069591	0.3524325	14	0.72873407
ENSG00000249846	3	RP11-77P16.4	129831393	rs6804887	3	129820568	A	G	0.416501	-0.0125526	0.00826327	0.128743	0.617498	0.0942346	5.65E-11	-0.0203282	0.0137367	0.1389161	0.8876437	9	0.66998905
ENSG00000228252	3	COL6A4P2	129931666	rs2449402	3	129840060	T	A	0.196819	0.0240964	0.0101851	0.0179887	0.980437	0.118395	1.22E-16	0.0245772	0.010804	0.02291604	0.8787837	20	0.41658613
ENSG00000034533	3	ASTE1	130732719	rs67658967	3	130709348	A	T	0.196819	-0.0022134	0.0116771	0.849659	-0.573054	0.086078	2.79E-11	0.00386252	0.0203852	0.8497196	0.6318946	20	0.97265415
ENSG00000113971	3	NPHP3	132276986	rs12631786	3	132438719	C	T	0.21173	-0.0019615	0.00997313	0.844076	-0.806858	0.0907873	6.26E-19	0.00243107	0.0123635	0.8441145	0.9801152	9	0.97171898
ENSG00000260633	3	RP11-375I20.6	134066130	rs3821705	3	134077001	A	G	0.606362	-0.0050081	0.00828544	0.545546	-0.74828	0.098448	2.94E-14	0.00669284	0.0111076	0.5468108	0.5690531	8	0.88309467
ENSG00000129055	3	ANAPC13	134196548	rs6775611	3	134358947	T	C	0.321074	0.00367406	0.00903834	0.684378	-0.584726	0.0801845	3.05E-13	-0.0062834	0.0154814	0.6848402	0.3203693	9	0.90615226
ENSG00000261758	3	RP11-102M11.2	136471472	rs6791142	3	136377377	C	T	0.586481	0.0154034	0.00806956	0.0562847	-0.706406	0.108251	6.77E-11	-0.0218053	0.0119021	0.0669429	0.6294106	15	0.58941739
ENSG00000175110	3	MRPS22	138724648	rs79654016	3	139093486	A	G	0.0795229	-0.0051684	0.0125585	0.680675	1.23356	0.128607	8.66E-22	-0.0041898	0.0101901	0.6809513	0.8707197	15	0.90615226
ENSG00000155893	3	ACPL2	140947568	rs6786821	3	140999276	G	C	0.628231	0.00028985	0.00825761	0.971999	0.474058	0.0729486	8.11E-11	0.00061143	0.0174192	0.9719995	0.8460792	15	0.99048712
ENSG00000152952	3	PLOD2	145787227	rs74923663	3	145869272	A	G	0.230616	0.00264709	0.00882781	0.764286	0.79346	0.112602	1.83E-12	0.00333614	0.0111358	0.7644922	0.3541388	10	0.93384174
ENSG00000114744	3	COMMD2	149456257	rs7633238	3	149459341	G	A	0.672962	0.00799721	0.00842824	0.342692	0.506131	0.0634071	1.44E-15	0.0158007	0.0167695	0.3460774	0.03776213	14	0.78900436
ENSG00000243069	3	ARHGEF26-AS1	153742190	rs11914514	3	153746544	C	T	0.240557	-0.0136161	0.0090087	0.130677	0.472938	0.0748788	2.68E-10	-0.0287905	0.0195862	0.1415789	0.8057338	5	0.67136051
ENSG00000168827	3	GFM1	158362067	rs62286656	3	158372477	T	C	0.384692	0.0140741	0.00874152	0.107391	-0.416401	0.0713935	5.46E-09	-0.0337994	0.0217782	0.1206663	0.131652	4	0.65237472
ENSG00000272247	3	RP11-379F4.9	158519046	rs2244996	3	158519446	C	T	0.72167	-0.0201126	0.00842173	0.0169321	-0.725109	0.129867	2.36E-08	0.0277373	0.0126323	0.02810936	0.03854309	7	0.46500913
ENSG00000151967	3	SCHIP1	159557650	rs26298	3	159611291	A	G	0.614314	-0.0049872	0.00823592	0.544821	-0.533629	0.092924	9.32E-09	0.00934576	0.0155194	0.5470408	0.01918128	7	0.88309467
ENSG00000239219	3	RP11-379K17.4	169657141	rs9836316	3	169684433	A	G	0.146123	-0.0031074	0.00984406	0.752258	0.860453	0.1455	3.34E-09	-0.0036114	0.0114568	0.7525994	0.7575371	14	0.92582518
ENSG00000241231	3	RP11-275H4.1	181138846	rs1382696	3	181156239	T	A	0.695825	0.0236253	0.00886459	0.00769573	0.777483	0.107673	5.17E-13	0.0303869	0.0121535	0.0124101	0.06998751	13	0.36910956
ENSG00000233885	3	YEATS2-AS1	183524245	rs2582078	3	183505651	T	C	0.469185	0.0039547	0.00840563	0.638011	0.834956	0.0763949	8.33E-28	0.00473642	0.0100765	0.6383215	0.68171	20	0.90242996
ENSG00000180834	3	MAP6D1	183533664	rs2606225	3	183534487	C	G	0.470179	0.00404966	0.00840686	0.630014	-0.235524	0.0393754	2.21E-09	-0.0171943	0.0358098	0.6311176	0.9291774	15	0.90242996
ENSG00000163918	3	RFC4	186507669	rs62294444	3	186494986	G	A	0.248509	0.0014097	0.00829893	0.865116	-0.682998	0.123429	3.14E-08	-0.002064	0.0121565	0.865179	0.184511	3	0.97265415
ENSG00000136514	3	RTP4	187086120	rs13058855	3	187065196	T	C	0.21173	-0.0084827	0.0101696	0.404212	-0.812608	0.128851	2.85E-10	0.0104389	0.0126238	0.4082798	0.03706153	9	0.83335137
ENSG00000236297	3	RP11-175P19.2	193296601	rs6444737	3	193391680	G	A	0.457256	0.0138995	0.00810172	0.0862303	0.757065	0.11207	1.43E-11	0.0183597	0.0110412	0.09634539	0.1747166	8	0.61532078
ENSG00000231770	3	TMEM44-AS1	194304740	rs6765455	3	194308970	A	G	0.110338	0.00879476	0.0135427	0.516074	0.738327	0.132199	2.34E-08	0.0119117	0.018466	0.518886	0.09436426	4	0.87377566
ENSG00000041802	3	LSG1	194361517	rs112097663	3	194377712	T	C	0.164016	0.00961277	0.0109398	0.379567	0.921492	0.115278	1.31E-15	0.0104317	0.0119433	0.3824255	0.07525625	4	0.81204283
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.767804	0.117071	5.44E-11	0.0118374	0.0107153	0.2692811	0.3298896	4	0.75499306
ENSG00000229178	3	AC069513.4	195382436	rs73212281	3	195328293	G	A	0.199801	0.0016587	0.0108293	0.878266	-1.07194	0.140148	2.03E-14	-0.0015474	0.0101046	0.8782902	0.1384141	20	0.97295286
ENSG00000215837	3	SDHAP2	195384967	rs79114865	3	195661441	A	C	0.16998	-0.004035	0.0118263	0.732963	-0.847004	0.133559	2.27E-10	0.00476381	0.0139827	0.7333343	0.1767793	20	0.91827118
ENSG00000176945	3	MUC20	195447753	rs3862283	3	195341962	C	A	0.822068	-0.0038303	0.00975606	0.694607	-0.913365	0.152927	2.34E-09	0.00419366	0.0107045	0.6952312	0.7314472	13	0.90615226
ENSG00000231443	3	AC024937.6	195664114	rs56314672	3	195728061	G	A	0.550696	-0.0013232	0.0080749	0.869834	-0.550632	0.100677	4.52E-08	0.00240311	0.0146714	0.8698917	0.4746073	4	0.97265415
ENSG00000163964	3	PIGX	196366646	rs4916543	3	196462949	T	C	0.228628	-0.0080248	0.0109728	0.464575	0.774759	0.0971709	1.55E-15	-0.0103578	0.0142223	0.4664454	0.181329	16	0.86231368
ENSG00000237167	3	AC128709.2	197185276	rs2686099	3	197193567	G	C	0.680915	0.0130553	0.00886225	0.140715	0.574275	0.102404	2.05E-08	0.0227335	0.0159556	0.1542158	0.8417693	8	0.67136051
ENSG00000214135	3	AC024560.3	197305084	rs2948032	3	197354857	A	C	0.317097	0.00700358	0.0093908	0.455793	0.436803	0.0801043	4.95E-08	0.0160337	0.0216991	0.45996	0.9400337	7	0.86231368
ENSG00000250312	4	ZNF718	124386	rs6842197	4	159061	G	A	0.545726	0.0098175	0.00812377	0.226858	-0.604081	0.0850439	1.22E-12	-0.016252	0.0136414	0.2335079	0.5372548	20	0.74020581
ENSG00000242686	4	RP11-1191J2.2	646639	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	-0.825606	0.147644	2.25E-08	0.00972137	0.0134199	0.468821	0.5662406	5	0.86231368
ENSG00000185619	4	PCGF3	699537	rs10452329	4	716248	C	T	0.302187	0.0124515	0.00872849	0.153713	-0.653841	0.0988209	3.68E-11	-0.0190436	0.0136563	0.1631692	0.9464983	3	0.67967602
ENSG00000145217	4	SLC26A1	972861	rs3806756	4	987391	G	C	0.643141	0.0042277	0.0091254	0.643157	-0.604261	0.10214	3.30E-09	-0.0069965	0.015148	0.6441708	0.2328655	3	0.90242996
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	2.06298	0.225648	6.10E-20	-0.0083202	0.0117813	0.4800523	0.4104319	20	0.86372807
ENSG00000250476	4	ENPP7P9	3968761	rs28677903	4	3979825	G	T	0.681909	0.00570586	0.00838345	0.496119	-0.834601	0.131158	1.97E-10	-0.0068366	0.0101022	0.4985646	0.429952	19	0.86833637
ENSG00000013288	4	MAN2B2	6576902	rs7659958	4	6607830	C	T	0.183897	0.0109087	0.0111472	0.327777	-0.682283	0.0964539	1.51E-12	-0.0159885	0.0164937	0.3323596	0.4817717	4	0.78122171
ENSG00000251580	4	RP11-539L10.3	6672452	rs4689509	4	6679391	T	C	0.466203	0.00292825	0.00811609	0.718252	0.568318	0.0940492	1.51E-09	0.00515248	0.0143063	0.7187318	0.3439194	7	0.91266332
ENSG00000184985	4	SORCS2	7194265	rs6842090	4	7316881	C	G	0.617296	-0.0068262	0.00827273	0.409289	0.706749	0.0902094	4.71E-15	-0.0096586	0.0117701	0.41187	0.794274	18	0.83679884
ENSG00000163995	4	ABLIM2	7967039	rs12500190	4	8021151	T	C	0.420477	0.00453467	0.00847646	0.592669	0.561983	0.0668072	4.03E-17	0.00806905	0.0151136	0.5934152	0.1075679	12	0.89456808
ENSG00000205959	4	RP11-689P11.2	8483997	rs1543246	4	8504909	T	A	0.641153	0.00135686	0.00827715	0.869787	-0.589658	0.0935061	2.86E-10	-0.0023011	0.0140419	0.8698311	0.361306	20	0.97265415
ENSG00000249506	4	ZEB2P1	16362309	rs7693598	4	16411631	C	A	0.26839	-0.0084888	0.00899422	0.34527	0.88312	0.14148	4.32E-10	-0.0096123	0.0103004	0.3507183	0.9213013	5	0.79116583
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.897246	0.103351	3.91E-18	0.00250747	0.00911807	0.783316	0.1934776	20	0.94684752
ENSG00000251129	4	RP11-734I18.1	31999019	rs6553983	4	32005439	T	C	0.798211	4.45E-05	0.00915677	0.996121	-1.06733	0.131094	3.90E-16	-4.17E-05	0.00857914	0.996121	0.8987058	8	0.99875839
ENSG00000047365	4	ARAP2	35949843	rs6531432	4	36342771	G	C	0.67495	0.00379246	0.00955543	0.691447	-0.386775	0.0631985	9.36E-10	-0.0098053	0.0247573	0.6920618	0.7839432	10	0.90615226
ENSG00000169299	4	PGM2	37828255	rs11944713	4	37856548	A	G	0.494036	0.00419063	0.00807701	0.603876	-0.318484	0.0519813	8.96E-10	-0.0131581	0.0254516	0.6051673	0.9656675	11	0.89474607
ENSG00000231160	4	RP11-617D20.1	38614322	rs58785573	4	38653773	T	A	0.56163	-0.010777	0.00835375	0.197023	-0.549589	0.0808304	1.05E-11	0.0196092	0.0154712	0.2049886	0.5662266	8	0.72873407
ENSG00000249685	4	RP11-360F5.3	39135533	rs12508577	4	39109399	G	A	0.60835	0.00861376	0.00845801	0.308481	0.6497	0.102357	2.19E-10	0.0132581	0.0131848	0.3146303	0.4765722	6	0.76582138
ENSG00000163682	4	RPL9	39455744	rs2125313	4	39458051	G	A	0.67992	0.000294	0.00844844	0.97224	-0.624426	0.0607164	8.29E-25	-0.0004708	0.01353	0.9722398	0.6088596	17	0.99048712
ENSG00000251350	4	RP11-328N19.1	44018878	rs12649937	4	44133335	A	T	0.112326	0.0140384	0.0134531	0.296713	1.05821	0.176871	2.19E-09	0.0132662	0.012905	0.3039554	0.9251119	14	0.76092064
ENSG00000151806	4	GUF1	44680444	rs1388310	4	44653414	C	G	0.758449	0.0208403	0.0105697	0.0486441	0.635663	0.0857597	1.24E-13	0.0327851	0.0172061	0.05672306	0.5800973	9	0.5610297
ENSG00000163281	4	GNPDA2	44684217	rs6813944	4	44635157	A	G	0.235586	-0.0200311	0.0108146	0.0639926	0.704225	0.0990349	1.15E-12	-0.0284442	0.0158692	0.07306593	0.643667	10	0.58941739
ENSG00000128039	4	SRD5A3	56212276	rs36110240	4	56217015	T	C	0.152087	0.00688796	0.0114885	0.548805	0.671481	0.0790645	2.02E-17	0.0102579	0.0171518	0.5497971	0.5449216	20	0.88493053
ENSG00000145241	4	CENPC	68337521	rs62301137	4	68448601	G	A	0.302187	0.0181324	0.00859209	0.0348273	0.393325	0.0613585	1.45E-10	0.0461003	0.0229981	0.04501378	0.6437378	19	0.51151367
ENSG00000033178	4	UBA6	68478370	rs7660038	4	68545583	T	C	0.424453	0.00312891	0.0082787	0.705469	-0.423795	0.0581508	3.15E-13	-0.0073831	0.0195609	0.7058468	0.3288782	7	0.90615226
ENSG00000197888	4	UGT2B17	69402902	rs2708661	4	69372252	C	T	0.54672	-0.0095212	0.0087244	0.275126	-0.794803	0.0960933	1.33E-16	0.0119793	0.0110719	0.2792725	0.3115967	13	0.75678055
ENSG00000174792	4	C4orf26	76481258	rs2061742	4	76480880	A	G	0.451292	0.00229637	0.00813892	0.777831	0.599763	0.10219	4.38E-09	0.0038288	0.0135859	0.7780805	0.5040136	8	0.94469349
ENSG00000138750	4	NUP54	77035812	rs62300572	4	77052031	G	A	0.131213	-0.0063183	0.0120791	0.600919	0.70367	0.096802	3.62E-13	-0.0089791	0.0172102	0.6018574	0.626824	18	0.89456808
ENSG00000138760	4	SCARB2	77079890	rs4241591	4	77121346	G	A	0.502982	0.00415825	0.00807246	0.606472	0.351292	0.0444197	2.61E-15	0.011837	0.023028	0.6072336	0.6801416	19	0.89474607
ENSG00000189157	4	FAM47E	77135193	rs2869870	4	77190680	A	G	0.406561	-0.0021144	0.00812274	0.794625	-0.728344	0.0759542	8.87E-22	0.00290306	0.0111564	0.7946986	0.5024152	18	0.95002854
ENSG00000163749	4	CCDC158	77234154	rs72657832	4	77319523	G	A	0.256461	0.0036727	0.00950466	0.699193	0.622626	0.109387	1.26E-08	0.00589873	0.0153006	0.6998499	0.222864	6	0.90615226
ENSG00000251022	4	THAP9-AS1	83814162	rs10857216	4	83929495	G	A	0.240557	-0.020959	0.00992524	0.0347128	-0.552709	0.0740315	8.28E-14	0.0379205	0.0186619	0.04215667	0.5685794	19	0.49813698
ENSG00000180769	4	WDFY3-AS2	85887538	rs4624645	4	85884375	G	A	0.350895	-0.0101729	0.00904336	0.260629	0.405146	0.059764	1.21E-11	-0.0251092	0.0226265	0.2671162	0.2088819	13	0.75499306
ENSG00000170509	4	HSD17B13	88224941	rs28419230	4	88196319	T	G	0.252485	-0.0062936	0.00956063	0.510358	0.718979	0.121494	3.26E-09	-0.0087535	0.0133795	0.5129543	0.6206201	7	0.87377566
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	1.02129	0.0992637	7.93E-25	-0.0133197	0.00811872	0.1008765	0.1810797	12	0.62046622
ENSG00000152208	4	GRID2	93225550	rs16996340	4	93499118	G	A	0.362823	0.00147461	0.00856298	0.863274	0.668776	0.098821	1.31E-11	0.00220494	0.0128081	0.8633182	0.1853366	7	0.97265415
ENSG00000138696	4	BMPR1B	95679119	rs6821072	4	95923309	T	C	0.568588	0.00793815	0.00808787	0.326353	-0.305086	0.0558831	4.78E-08	-0.0260194	0.0269351	0.3340435	0.4026523	6	0.78122171
ENSG00000197894	4	ADH5	99992132	rs7658279	4	99994565	A	G	0.0964215	0.0207296	0.0180884	0.25179	0.675445	0.104786	1.15E-10	0.0306903	0.0271999	0.2591838	0.5574558	7	0.75499306
ENSG00000248144	4	ADH1C	100257649	rs11499828	4	100277558	C	T	0.0894632	0.0152271	0.0116529	0.191307	1.29688	0.193963	2.29E-11	0.0117413	0.00915532	0.1996814	0.7427693	4	0.72873407
ENSG00000138777	4	PPA2	106290234	rs1994636	4	106362011	G	A	0.590457	-0.0078513	0.00806384	0.330232	0.385557	0.0567165	1.06E-11	-0.0203636	0.0211282	0.3351407	0.8152789	13	0.78139516
ENSG00000123739	4	PLA2G12A	110631145	rs9995011	4	110652734	C	A	0.530815	0.0071943	0.00808752	0.373704	0.404792	0.0549424	1.74E-13	0.0177728	0.0201245	0.3771596	0.802864	16	0.81174572
ENSG00000138658	4	C4orf21	113460492	rs62314690	4	113374994	A	C	0.130219	0.0308162	0.0119946	0.0101941	0.637976	0.105566	1.51E-09	0.0483031	0.0204294	0.01805997	0.01857543	6	0.40218164
ENSG00000269893	4	SNHG8	119199864	rs687299	4	119192491	C	G	0.527833	-0.0171785	0.00805858	0.0330309	0.385247	0.0693924	2.83E-08	-0.0445909	0.022407	0.04658602	0.3918674	17	0.51689866
ENSG00000154608	4	CEP170P1	119388745	rs55746695	4	119436731	G	A	0.224652	-0.0020827	0.00996669	0.834475	0.684581	0.115035	2.66E-09	-0.0030423	0.0145678	0.8345752	0.06955062	7	0.96625375
ENSG00000250412	4	KLHL2P1	120255484	rs13126596	4	120140729	G	A	0.304175	-0.0106214	0.00921738	0.24919	0.648744	0.113805	1.19E-08	-0.0163723	0.0144954	0.2586965	0.9608328	13	0.75499306
ENSG00000249244	4	RP11-548H18.2	120312986	rs149826784	4	120330643	A	G	0.282306	-0.0165324	0.00940206	0.0786828	0.663708	0.10454	2.17E-10	-0.0249091	0.0146992	0.09015362	0.3314227	10	0.61234768
ENSG00000245958	4	RP11-33B1.1	120375946	rs10023569	4	120323316	T	C	0.284294	-0.0147823	0.00932558	0.112936	-0.940296	0.0952793	5.68E-23	0.0157209	0.0100448	0.1175654	0.8004131	13	0.65123504
ENSG00000164111	4	ANXA5	122589110	rs13109053	4	122599447	A	G	0.312127	0.00512921	0.00900707	0.56904	-0.402097	0.0656276	8.96E-10	-0.0127562	0.0224968	0.5706999	0.6290264	5	0.88725573
ENSG00000151470	4	C4orf33	130014472	rs1757924	4	130019599	T	G	0.805169	-0.00191	0.0112165	0.864787	-0.761331	0.0908855	5.44E-17	0.00250874	0.0147358	0.8648152	0.9499037	20	0.97265415
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.23202	0.135473	9.53E-20	-0.0076426	0.0115748	0.5090764	0.4255686	8	0.87377566
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	1.1065	0.140377	3.21E-15	-0.0085096	0.0128991	0.5094457	0.249517	6	0.87377566
ENSG00000251600	4	RP11-673E1.1	144833484	rs28419337	4	144890031	T	C	0.469185	-0.0062375	0.00808415	0.440371	0.973259	0.109419	5.85E-19	-0.0064088	0.00833746	0.4420833	0.9797969	15	0.85456265
ENSG00000164144	4	ARFIP1	153701089	rs4640654	4	153824568	A	C	0.617296	-0.0070137	0.00837355	0.402255	0.452775	0.0763764	3.06E-09	-0.0154905	0.0186775	0.4068976	0.8590371	8	0.83210862
ENSG00000109654	4	TRIM2	154073494	rs893805	4	154216710	A	G	0.456262	-0.0092986	0.00813104	0.252794	-0.362811	0.0624992	6.43E-09	0.0256292	0.022842	0.2618526	0.1791901	5	0.75499306
ENSG00000250538	4	RP11-92A5.2	156127681	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.54646	0.192744	1.03E-15	0.0158839	0.00961556	0.09855592	0.0481518	6	0.61802034
ENSG00000185149	4	NPY2R	156129781	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.53366	0.16499	1.47E-20	0.0160165	0.00964327	0.09673459	0.2171576	8	0.61532078
ENSG00000248429	4	RP11-597D13.9	159091904	rs2346321	4	159087377	T	C	0.848907	-0.0122495	0.0110606	0.268083	0.745597	0.108776	7.16E-12	-0.0164291	0.0150269	0.2742574	0.3535175	5	0.7563295
ENSG00000171503	4	ETFDH	159593277	rs11559290	4	159601676	T	C	0.863817	0.0186238	0.01518	0.219876	0.886857	0.120522	1.86E-13	0.0209998	0.0173529	0.2262178	0.3583672	5	0.74020581
ENSG00000154447	4	SH3RF1	170015407	rs72710307	4	170266741	C	T	0.112326	-0.0063378	0.011507	0.581783	-0.857712	0.140711	1.09E-09	0.00738924	0.0134706	0.5833167	0.1924861	10	0.89212351
ENSG00000109576	4	AADAT	170981373	rs774497	4	171063526	A	T	0.177932	0.00730208	0.010902	0.50299	-0.552963	0.0894163	6.24E-10	-0.0132054	0.0198309	0.5054761	0.857099	16	0.87368145
ENSG00000109586	4	GALNT7	174089904	rs6852169	4	174060886	T	C	0.973161	0.00732525	0.0186986	0.695239	1.06587	0.166754	1.64E-10	0.00687255	0.017576	0.6957823	0.8538695	11	0.90615226
ENSG00000164122	4	ASB5	177134824	rs4566604	4	177155788	A	C	0.472167	-0.0019677	0.00806811	0.807319	1.06273	0.104151	1.91E-24	-0.0018516	0.00759404	0.807373	0.8218862	14	0.95531805
ENSG00000129128	4	SPCS3	177241115	rs4563449	4	177260939	G	T	0.21173	-0.013419	0.0109564	0.220664	0.531127	0.0969446	4.29E-08	-0.0252651	0.0211378	0.2319851	0.6062751	5	0.74020581
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.357818	0.0573295	4.34E-10	-0.0141083	0.0231849	0.5428483	0.3512815	3	0.87984932
ENSG00000251504	4	RP11-162G9.1	178650792	rs62339417	4	179155642	A	C	0.308151	0.00661757	0.00852894	0.43781	0.752002	0.13628	3.43E-08	0.00879994	0.0114532	0.4422866	0.6423183	5	0.85456265
ENSG00000271538	4	RP11-326I11.4	185427614	rs13111483	4	185458566	G	A	0.662028	-0.0038437	0.00823148	0.640531	-0.792672	0.0943337	4.36E-17	0.00484909	0.0104005	0.641046	0.3185556	4	0.90242996
ENSG00000109775	4	UFSP2	186320694	rs13107209	4	186348817	A	G	0.715706	-0.0179189	0.0098431	0.0686894	0.918556	0.0857197	8.58E-27	-0.0195077	0.0108694	0.0726954	0.7768526	20	0.58941739
ENSG00000145476	4	CYP4V2	187112674	rs7663027	4	187112629	C	G	0.370775	0.00708736	0.00825851	0.390788	-0.612553	0.084513	4.23E-13	-0.0115702	0.0135763	0.3940833	0.1112082	5	0.81685285
ENSG00000164344	4	KLKB1	187130133	rs7663027	4	187112629	C	G	0.370775	0.00708736	0.00825851	0.390788	-0.589851	0.108045	4.78E-08	-0.0120155	0.0141729	0.3965616	0.1348681	4	0.81905767
ENSG00000249378	4	LINC01060	189321890	rs28641985	4	189376705	A	G	0.181909	0.00171922	0.00900505	0.84859	1.34734	0.111147	8.06E-34	0.00127601	0.00668441	0.8486089	0.3175095	14	0.97265415
ENSG00000245685	4	AF146191.4	190701490	rs6553396	4	190864015	A	C	0.322068	-0.0163361	0.00872894	0.0612774	0.835144	0.13823	1.52E-09	-0.0195608	0.010942	0.07382679	0.7539847	14	0.58941739
ENSG00000073578	5	SDHA	218356	rs62329990	5	300468	T	C	0.109344	-0.0161113	0.0145048	0.266674	-0.561808	0.0884999	2.18E-10	0.0286776	0.0262103	0.2738963	0.9009025	14	0.7563295

ENSG00000248925	5	CTD-2083E4.6	269973	rs2241600	5	254861	G	C	0.740557	0.00657626	0.00928961	0.478998	0.683519	0.107145	1.78E-10	0.00962118	0.0136743	0.4816839	0.02401044	3	0.86372807
ENSG00000221990	5	C5orf55	441645	rs10078	5	438102	T	G	0.784294	0.00073806	0.0113182	0.948007	0.697559	0.0973812	7.88E-13	0.00105806	0.0162261	0.9480091	0.01446081	20	0.98571272
ENSG00000180104	5	EXOC3	443273	rs957791	5	430217	T	C	0.468191	0.0210534	0.00810507	0.00938901	-0.644605	0.0941369	7.51E-12	-0.0326609	0.013448	0.01515367	0.08657157	20	0.39871484
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	1.11902	0.107922	3.44E-25	0.00299302	0.00794785	0.7064841	0.1489099	20	0.90615226
ENSG00000066230	5	SLC9A3	473425	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.593272	0.100815	3.99E-09	0.00564539	0.0150119	0.7068718	0.2217723	12	0.90615226
ENSG00000251532	5	CTD-2245E15.3	1544222	rs1048186	5	1608503	A	G	0.233598	-0.0052897	0.00930039	0.569516	0.659342	0.119938	3.86E-08	-0.0080228	0.0141809	0.5715668	0.8045618	6	0.88725573
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.20433	0.0999531	1.96E-33	0.00338606	0.00695232	0.6262303	0.8265422	20	0.90242996
ENSG00000232615	5	CTD-2012J19.1	1614951	rs6884674	5	1623579	T	G	0.233598	-0.0055392	0.0093182	0.552215	0.80245	0.135381	3.08E-09	-0.0069028	0.0116704	0.5542	0.9613182	10	0.88493053
ENSG00000249808	5	CTD-2029E14.1	3178209	rs436280	5	3179589	G	A	0.594433	-0.0048328	0.00808624	0.550073	0.671149	0.102143	5.01E-11	-0.0072007	0.0120981	0.5517137	0.1766778	13	0.88493053
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-1.00166	0.0797583	3.56E-36	-0.0005885	0.00812473	0.9422531	0.4234633	20	0.98536643
ENSG00000245729	5	RP11-480D4.1	8333596	rs12659090	5	8361279	T	C	0.611332	0.0157456	0.00833878	0.0589943	0.539474	0.0914228	3.62E-09	0.0291869	0.0162293	0.07211256	0.1733756	8	0.58941739
ENSG00000250786	5	SNHG18	9546312	rs1319222	5	9544677	G	T	0.299205	-0.0016294	0.00996634	0.870135	-0.564842	0.0964312	4.70E-09	0.00288463	0.0176513	0.8701857	0.3026182	8	0.97265415
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.766344	0.121417	2.76E-10	-0.0066296	0.0112953	0.5572493	0.7769235	3	0.88493053
ENSG00000183666	5	GUSBP1	21341942	rs191085321	5	21408413	T	C	0.0188867	-0.114481	0.0387698	0.00314862	1.51179	0.247887	1.07E-09	-0.0757255	0.0284928	0.00786738	0.1063752	6	0.31290184
ENSG00000272130	5	RP11-360I2.1	21569864	rs35915996	5	21571148	T	C	0.137177	-0.0239095	0.0144479	0.097949	1.19667	0.158505	4.36E-14	-0.01998	0.0123601	0.1059866	0.3063901	8	0.63264166
ENSG00000154162	5	CDH12	21750782	rs4487459	5	22208269	T	C	0.817097	-0.0133303	0.0105232	0.205241	0.761907	0.112872	1.48E-11	-0.017496	0.0140528	0.2131243	0.1914556	15	0.72873407
ENSG00000242110	5	AMACR	33986283	rs6875926	5	34012492	C	T	0.50497	-0.0140479	0.00810896	0.0832032	0.783426	0.0841307	1.25E-20	-0.0179314	0.0105282	0.08853637	0.5982327	20	0.61234768
ENSG00000250155	5	CTD-2353F22.1	36666316	rs1025288	5	36702864	A	C	0.352883	-0.0077373	0.00871993	0.374911	0.794579	0.102311	8.08E-15	-0.0097376	0.0110457	0.3780056	0.2786696	11	0.81174572
ENSG00000272335	5	RP11-53O19.3	44826178	rs6451770	5	44691395	G	T	0.388668	0.013887	0.00824214	0.0920132	-0.58166	0.10568	3.71E-08	-0.0238748	0.0148191	0.107162	0.7432418	8	0.63267467
ENSG00000247796	5	CTD-2366F13.1	52405672	rs10471831	5	52416716	A	T	0.131213	-0.0007196	0.0149349	0.961569	-0.608479	0.110652	3.82E-08	0.00118269	0.0245456	0.9615701	0.874705	4	0.98571272
ENSG00000152670	5	DDX4	55033845	rs12653775	5	55046221	T	C	0.292247	-0.013028	0.00932455	0.162361	-0.595646	0.105821	1.81E-08	0.0218721	0.0161296	0.175092	0.6736951	10	0.70330236
ENSG00000155542	5	SETD9	56205087	rs77112307	5	56247528	T	G	0.162028	0.00574202	0.0106677	0.590397	-1.18618	0.100185	2.43E-32	-0.0048408	0.00900261	0.5907794	0.1572015	20	0.89456808
ENSG00000035499	5	DEPDC1B	59892739	rs7381138	5	60009514	C	A	0.429423	0.0174295	0.00805494	0.0304775	0.582421	0.0950238	8.83E-10	0.0299259	0.0146666	0.04130969	0.9785569	9	0.49147213
ENSG00000251575	5	CTD-2170G1.2	61028601	rs2937835	5	61025954	G	T	0.428429	-0.0077066	0.00827479	0.351681	0.60125	0.0876034	6.73E-12	-0.0128176	0.0138888	0.3560714	0.0425262	4	0.79157371
ENSG00000113593	5	PPWD1	64859063	rs42961	5	64954895	C	T	0.622266	0.00671794	0.00841882	0.42489	-0.478455	0.0797322	1.96E-09	-0.0140409	0.0177507	0.4289417	0.598331	7	0.84587444
ENSG00000152942	5	RAD17	68665120	rs17230033	5	68686225	A	G	0.0198807	0.00996035	0.0214628	0.642594	0.804069	0.124798	1.17E-10	0.0123874	0.0267619	0.6434533	0.6137866	5	0.90242996
ENSG00000253203	5	GUSBP3	68790040	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.0171	0.122266	8.89E-17	-0.0078836	0.010584	0.4563521	0.8328941	3	0.86231368
ENSG00000226259	5	GTF2H2B	69711179	rs12055271	5	70676547	C	G	0.624254	-0.0072359	0.00868345	0.404674	-0.876235	0.109195	1.02E-15	0.00825799	0.00996325	0.4071919	0.02307154	6	0.83210862
ENSG00000269983	5	RP11-497H16.9	69745463	rs7710143	5	70675730	G	A	0.642147	-0.0097576	0.00871128	0.262668	-0.732172	0.108362	1.41E-11	0.0133269	0.0120602	0.2691482	0.02908184	5	0.75499306
ENSG00000253333	5	RP11-497H16.8	69790927	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.04382	0.106562	1.18E-22	-0.0076818	0.0103015	0.4558481	0.02756982	6	0.86231368
ENSG00000172058	5	SERF1A	70196492	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-1.06621	0.13839	1.31E-14	-0.0075205	0.0101032	0.4566512	0.02757394	5	0.86231368
ENSG00000145736	5	GTF2H2	70330784	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.881835	0.123359	8.77E-13	0.0227777	0.0108349	0.03553086	0.1056462	3	0.47400007
ENSG00000230847	5	RP11-195E2.1	70370052	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.874132	0.116596	6.53E-14	0.0229785	0.0108874	0.03481005	0.09055978	3	0.47400007
ENSG00000131711	5	MAP1B	71403061	rs72761109	5	71506529	T	C	0.311133	0.014635	0.00901952	0.104676	0.519725	0.0826856	3.27E-10	0.0281591	0.0179233	0.1161622	0.9546086	8	0.64679311
ENSG00000157111	5	TMEM171	72416119	rs481619	5	72412602	A	G	0.315109	0.0159416	0.00931064	0.086862	0.849855	0.122209	3.55E-12	0.018758	0.0112827	0.09640445	0.2736426	14	0.61532078
ENSG00000164346	5	NSA2	74062817	rs6870806	5	74067536	C	G	0.138171	-0.0151823	0.0126002	0.228233	1.14754	0.113216	3.83E-24	-0.0132303	0.0110575	0.2315013	0.5662086	7	0.74020581
ENSG00000113231	5	PDE8B	76506274	rs7732130	5	76435004	A	G	0.671968	0.00126202	0.00961188	0.89554	-0.652368	0.103173	2.56E-10	-0.0019345	0.014737	0.895562	0.7477219	3	0.97482371
ENSG00000164253	5	WDR41	76721795	rs7702031	5	76769407	T	A	0.849901	-0.002686	0.0116872	0.818231	0.693714	0.0913122	3.03E-14	-0.0038719	0.016855	0.8183121	0.6345083	20	0.95999913
ENSG00000228716	5	DHFR	79922047	rs408626	5	79951133	C	T	0.450298	-0.0129091	0.00810531	0.111233	0.567496	0.0831028	8.56E-12	-0.0227475	0.0146659	0.1208907	0.9549211	20	0.65237472
ENSG00000247572	5	CKMT2-AS1	80499903	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	1.15224	0.121555	2.56E-21	-0.0119089	0.00884214	0.1780337	0.3640269	12	0.70330236
ENSG00000248794	5	CTD-2248H3.1	80538149	rs4704712	5	80544322	C	T	0.193837	-0.0113524	0.00988687	0.250875	1.04527	0.126951	1.82E-16	-0.0108607	0.00955021	0.2554443	0.2882339	11	0.75499306
ENSG00000152348	5	ATG10	81267844	rs112851871	5	81406404	C	G	0.202783	0.00518757	0.00988646	0.599781	0.765714	0.116646	5.22E-11	0.00677481	0.0129526	0.600942	0.3120811	19	0.89456808
ENSG00000186468	5	RPS23	81569177	rs6894520	5	81594748	T	C	0.299205	0.00526538	0.00872416	0.546149	-0.410958	0.0688662	2.41E-09	-0.0128125	0.0213371	0.5481885	0.7327357	3	0.88330559
ENSG00000205464	5	ATP6AP1L	81575281	rs178931	5	81575601	A	T	0.701789	-0.005667	0.0087136	0.51546	-0.806675	0.0954665	2.92E-17	0.0070251	0.0108338	0.5166995	0.6797113	20	0.87377566
ENSG00000249664	5	CTD-2227C6.2	82308104	rs256787	5	82299375	A	G	0.422465	0.0084761	0.00813063	0.297184	0.620617	0.111955	2.97E-08	0.0136575	0.0133305	0.3055848	0.00113281	12	0.76092064
ENSG00000249061	5	RP11-72L22.1	86263138	rs62375391	5	86293620	G	A	0.187873	0.00340077	0.0101785	0.738295	-0.81541	0.149213	4.64E-08	-0.0041706	0.012506	0.7387642	0.6661493	10	0.91827118
ENSG00000247828	5	TMEM161B-AS1	87564712	rs6452782	5	87672704	G	A	0.256461	0.0210878	0.00892491	0.0181372	0.701344	0.0845231	1.06E-16	0.0300677	0.0132313	0.02305837	0.658648	7	0.41658613
ENSG00000153113	5	CAST	95860971	rs2351245	5	95995733	T	G	0.151093	0.0147129	0.0116667	0.207269	0.814754	0.101369	9.17E-16	0.0180581	0.0144945	0.2128158	0.6342491	9	0.72873407
ENSG00000164307	5	ERAP1	96096521	rs27038	5	96112954	G	A	0.847913	-0.0098917	0.0102829	0.336069	-0.997441	0.112376	6.94E-19	0.00991711	0.0103697	0.3388909	0.2419323	20	0.78634727
ENSG00000248734	5	CTD-2260A17.1	96120481	rs469783	5	96121524	T	C	0.557654	0.00608582	0.00814459	0.454929	0.648307	0.112169	7.48E-09	0.00938725	0.0126674	0.4586601	0.3502305	15	0.86231368
ENSG00000164308	5	ERAP2	96211643	rs2927608	5	96252432	A	G	0.426441	-0.0050424	0.00809512	0.533353	1.22533	0.0905198	9.51E-42	-0.0041151	0.00661347	0.5337863	0.1983213	20	0.87706746
ENSG00000145725	5	PPIP5K2	102455853	rs32844	5	102477601	C	T	0.272366	0.00273033	0.0085853	0.750468	-0.378954	0.0650688	5.75E-09	-0.0072049	0.022689	0.7508258	0.3331717	20	0.92495349
ENSG00000186952	5	TMEM232	109624934	rs27123	5	110060387	A	T	0.764414	0.0105969	0.00943313	0.261282	-0.654603	0.110182	2.83E-09	-0.0161883	0.0146658	0.2696749	0.7210675	20	0.75499306
ENSG00000145777	5	TSLP	110405760	rs3806933	5	110406742	T	C	0.454274	-0.0110276	0.00808817	0.172749	-0.571301	0.0887844	1.24E-10	0.0193026	0.0144718	0.1822658	0.7697069	6	0.70668682
ENSG00000129595	5	EPB41L4A	111478138	rs448714	5	111703577	A	G	0.215706	-0.0093312	0.00910682	0.305536	0.556278	0.0919155	1.43E-09	-0.0167743	0.016604	0.3123718	0.1452468	20	0.76582138
ENSG00000129596	5	CDO1	115140430	rs34869	5	115152694	C	G	0.444334	-0.0045753	0.00809349	0.571864	0.602738	0.084014	7.27E-13	-0.0075909	0.0134695	0.5730532	0.0053012	10	0.88725573
ENSG00000145781	5	COMMD10	115420688	rs7700647	5	115503687	C	A	0.180915	-0.0137734	0.0103294	0.182393	0.559233	0.0804595	3.64E-12	-0.0246291	0.0188075	0.1903527	0.6313881	20	0.71611397
ENSG00000133835	5	HSD17B4	118788138	rs32665	5	118847140	T	C	0.480119	-0.0049306	0.0080765	0.541541	0.54337	0.0759358	8.33E-13	-0.0090741	0.0149177	0.5430043	0.3649089	9	0.87984932
ENSG00000164334	5	FAM170A	118965254	rs73249988	5	118847441	T	C	0.10338	0.0112007	0.0137123	0.414023	0.9514	0.145555	6.30E-11	0.0117729	0.0145249	0.4176348	0.04488164	13	0.84130138
ENSG00000138829	5	FBN2	127593601	rs17615636	5	127851383	G	A	0.082505	-0.0267876	0.0152886	0.0797517	1.23585	0.174054	1.24E-12	-0.0216754	0.012742	0.08892392	0.1140011	20	0.61234768
ENSG00000169567	5	HINT1	130494720	rs7733977	5	130438101	C	T	0.172962	0.00579581	0.0101791	0.569094	0.381027	0.0665663	1.04E-08	0.015211	0.0268467	0.5709947	0.9870913	8	0.88725573
ENSG00000233006	5	AC034220.3	131646978	rs272857	5	131685297	A	G	0.588469	0.00364494	0.00807246	0.651609	0.623278	0.113602	4.10E-08	0.00584802	0.0129954	0.6527058	0.988516	7	0.90478858
ENSG00000164615	5	CAMLG	134074191	rs12657663	5	134076812	A	G	0.133201	0.00532909	0.0101822	0.600716	0.786802	0.128769	9.95E-10	0.0067731	0.0129886	0.6020438	0.5856997	7	0.89456808
ENSG00000270021	5	CTC-203F4.2	134734970	rs1382286	5	134753479	A	T	0.950298	0.00300394	0.0195833	0.878088	0.853485	0.134721	2.37E-10	0.00351962	0.0229518	0.8781239	0.8866003	5	0.97295286
ENSG00000152377	5	SPOCK1	136310987	rs2348605	5	136810104	C	G	0.425447	0.00055399	0.00807284	0.945289	-0.559627	0.0758478	1.60E-13	-0.0009899	0.014426	0.9452916	0.3062548	8	0.98571272
ENSG00000253404	5	AC034243.1	138080123	rs1725353	5	138079005	T	C	0.72664	-0.0279221	0.00868035	0.00129676	-1.0971	0.110835	4.22E-23	0.0254508	0.00831938	0.00221913	0.3582434	19	0.22515954
ENSG00000120306	5	CYSTM1	139554227	rs7705090	5	139618146	G	C	0.217694	-0.0356651	0.00906245	8.30E-05	-0.401048	0.0735551	4.97E-08	0.0889298	0.0278684	0.00141752	0.7643907	4	0.20338732
ENSG00000204967	5	PCDHA4	140186659	rs6891995	5	140172008	G	A	0.537773	0.010878	0.00808073	0.17825	-0.635959	0.0948957	2.06E-11	-0.0171049	0.0129602	0.186901	0.6844612	10	0.71105558
ENSG00000204963	5	PCDHA7	140213969	rs3756334	5	140213796	A	G	0.534791	0.011576	0.00810495	0.153215	-0.532701	0.0915805	6.00E-09	-0.0217308	0.0156668	0.1654232	0.4990871	4	0.68414309
ENSG00000204961	5	PCDHA9	140227048	rs114075983	5	140289352	A	G	0.0765408	-0.018434	0.0152382	0.226387	-1.0528	0.144726	3.48E-13	0.0175095	0.0146727	0.2327383	0.9175842	8	0.74020581
ENSG00000250120	5	PCDHA10	140235595	rs114075983	5	140289352	A	G	0.0765408	-0.018434	0.0152382	0.226387	-0.876231	0.113019	8.98E-15	0.0210378	0.017601	0.2319854	0.6501038	9	0.74020581
ENSG00000239389	5	PCDHA13	140261793	rs251379	5	140258922	A	G	0.662028	-0.0203692	0.00877956	0.0203376	-0.668676	0.107891	5.73E-10	0.030462	0.0140196	0.029794	0.2955356	16	0.46713376
ENSG00000120322	5	PCDHB8	140557371	rs2740588	5	140567264	T	G	0.232604	0.00843603	0.00960078	0.379574	0.902075	0.110823	3.96E-16	0.00935181	0.0107048	0.3823327	0.1906117	5	0.81204283
ENSG00000113578	5	FGF1	141971743	rs11167785	5	142063729	C	T	0.289264	0.0102794	0.00878389	0.241898	-0.475058	0.0676902	2.25E-12	-0.0216382	0.0187454	0.2483697	0.8194575	10	0.75499306
ENSG00000173250	5	GPR151	145892666	rs28593086	5	145900938	G	A	0.195825	0.0186125	0.009446	0.0487922	-0.656035	0.110407	2.82E-09	-0.0283712	0.0151696	0.06144753	0.2508703	7	0.57384064
ENSG00000156475	5	PPP2R2B	145967936	rs1480151	5	146460474	T	G	0.610338	0.0154221	0.00809897	0.056884	0.521501	0.0916508	1.27E-08	0.0295725	0.0163767	0.07095406	0.05960384	5	0.58941739
ENSG00000183876	5	ARSI	149675906	rs10039050	5	149718858	C	A	0.127237	-0.0234782	0.0125054	0.0604561	0.541542	0.082396	4.95E-11	-0.0433543	0.0240159	0.07103766	0.04950851	9	0.58941739
ENSG00000254333	5	CTC-367J11.1	149855094	rs80216162	5	149893748	C	T	0.0536779	0.0231589	0.0160828	0.149871	1.2141	0.186957	8.36E-11	0.019075	0.0135684	0.1597738	0.9645935	6	0.67645458
ENSG00000197083	5	ZNF300P1	150310207	rs12659118	5	150324622	C	T	0.115308	0.0160302	0.0132866	0.227629	1.54456	0.215002	6.77E-13	0.0103785	0.00872266	0.2341129	0.0448929	6	0.74020581
ENSG00000123643	5	SLC36A1	150816607	rs4958458	5	150831913	C	G	0.292247	0.0106143	0.00865945	0.220295	0.639118	0.104732	1.04E-09	0.0166077	0.0138197	0.2294626	0.04120377	5	0.74020581
ENSG00000260581	5	CTB-113P19.4	151031836	rs165359	5	150861036	A	G	0.275348	-0.0001594	0.00896155	0.985808	0.64112	0.117354	4.68E-08	-0.0002486	0.013978	0.9858076	0.5099419	5	0.99555105
ENSG00000253921	5	CTB-113P19.3	151133553	rs62394144	5	151223262	C	T	0.421471	-0.0214367	0.00823618	0.00924805	-0.845425	0.128619	4.93E-11	0.0253561	0.010478	0.01552308	0.3443993	12	0.39871484
ENSG00000213433	5	RP11-54C4.1	151145420	rs7734314	5	151182636	G	C	0.422465	-0.0267435	0.008182	0.00108091	-0.903428	0.108618	8.99E-17	0.0296022	0.00973083	0.00234927	0.570084	18	0.22515954
ENSG00000170624	5	SGCD	155297354	rs185246	5	156068143	A	C	0.240557	0.0144656	0.00979717	0.139808	0.364108	0.0640057	1.28E-08	0.0397289	0.0277989	0.1529601	0.6061543	6	0.67136051
ENSG00000251405	5	CTB-109A12.1	156789623	rs11466815	5	156907171	A	G	0.0914513	0.00907302	0.0133309	0.496125	1.40255	0.155297	1.70E-19	0.00646895	0.00953171	0.497343	0.7654464	20	0.86833637
ENSG00000248544	5	CTB-47B11.3	156802749	rs11466815	5	156907171	A	G	0.0914513	0.00907302	0.0133309	0.496125	1.29262	0.173581	9.57E-14	0.00701909	0.0103561	0.4979138	0.9726321	13	0.86833637
ENSG00000188573	5	FBLL1	167956121	rs13175257	5	167962244	T	C	0.139165	-0.0050335	0.0110281	0.648084	0.505724	0.0883794	1.05E-08	-0.0099531	0.0218758	0.6491237	0.8300487	11	0.90478858
ENSG00000072786	5	STK10	171469077	rs6865053	5	171580013	A	T	0.469185	-0.0154555	0.0083129	0.0629956	-0.353033	0.0643263	4.06E-08	0.0437792	0.0248616	0.0782524	0.9955696	6	0.60000196
ENSG00000174705	5	SH3PXD2B	171752185	rs2731689	5	171866950	T	C	0.362823	-0.0161912	0.00875619	0.0644407	0.488795	0.0811732	1.73E-09	-0.0331247	0.0187394	0.0771195	0.1981657	9	0.59802041
ENSG00000169220	5	RGS14	176784838	rs10051765	5	176799992	C	T	0.33996	0.00075812	0.00821123	0.926438	-0.489263	0.0896495	4.83E-08	-0.0015495	0.0167853	0.9264487	0.4219498	3	0.97885729
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.574135	0.0760074	4.23E-14	0.0250244	0.0147572	0.08993526	0.7025379	15	0.61234768
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	0.674736	0.0981924	6.35E-12	0.0244435	0.0129471	0.05903187	0.7033936	11	0.56834621
ENSG00000170089	5	RP11-423H2.1	177236408	rs199606637	5	177270437	G	A	0.398608	0.00900942	0.00819761	0.271755	0.562054	0.0857007	5.44E-11	0.0160295	0.0147885	0.278402	0.3103428	3	0.75678055
ENSG00000127022	5	CANX	179105629	rs17617710	5	179206107	A	G	0.357853	-0.0106105	0.00840616	0.206866	0.49742	0.0812255	9.13E-10	-0.0213311	0.0172548	0.2163684	0.5566017	7	0.73692532
ENSG00000197226	5	TBC1D9B	179289066	rs272441	5	179301260	G	A	0.884692	-0.0021476	0.0151594	0.887341	1.0387	0.121133	9.92E-18	-0.0020676	0.0145966	0.8873555	0.7053347	9	0.97445788
ENSG00000168903	5	BTNL3	180415845	rs72494581	5	180430797	C	T	0.322068	-0.0104168	0.00852149	0.221551	0.935518	0.111495	4.83E-17	-0.0111348	0.00920501	0.226415	0.4950373	20	0.74020581
ENSG00000248275	5	TRIM52-AS1	180688213	rs1279911	5	180691200	G	C	0.279324	0.00526586	0.00895205	0.556378	-0.9833	0.0847783	4.19E-31	-0.0053553	0.00911579	0.5568851	0.1326596	18	0.88493053
ENSG00000112685	6	EXOC2	485133	rs6936164	6	692805	G	C	0.701789	-0.0022963	0.00937725	0.806551	-0.437813	0.0758171	7.71E-09	0.00524489	0.0214376	0.8067213	0.8793225	13	0.95531805
ENSG00000272463	6	RP11-532F6.3	708592	rs2244443	6	711150	C	A	0.707753	-0.006699	0.00912033	0.462634	0.820149	0.125152	5.63E-11	-0.0081681	0.01119	0.4654243	0.1694152	4	0.86231368
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.05203	0.103727	3.58E-24	0.00814921	0.0094616	0.3890768	0.7907706	17	0.81252804
ENSG00000164385	6	C6orf195	2622147	rs1772980	6	2499839	T	C	0.568588	-0.004995	0.00807945	0.536423	0.606656	0.102169	2.89E-09	-0.0082336	0.01339	0.538615	0.4579797	7	0.87706746
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.978972	0.113336	5.73E-18	-0.0027165	0.00839662	0.7462999	0.1425612	9	0.92260557
ENSG00000124588	6	NQO2	2988221	rs4149363	6	3007478	A	G	0.189861	-0.0019677	0.00988305	0.842184	-0.501091	0.080981	6.10E-10	0.00392687	0.0197333	0.8422647	0.6657104	9	0.97081207
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	0.91824	0.098167	8.45E-21	0.00391771	0.011123	0.7246743	0.1007469	12	0.91746302
ENSG00000137267	6	TUBB2A	3153903	rs9328145	6	3144908	A	G	0.684891	-0.0162291	0.00864966	0.0606178	-0.30699	0.0528329	6.23E-09	0.0528652	0.0296082	0.07418141	0.04784275	7	0.58941739
ENSG00000228793	6	RP1-223B1.1	3594481	rs226967	6	3720283	A	G	0.667992	0.00948489	0.00877835	0.279925	0.805492	0.0885684	9.50E-20	0.0117753	0.0109748	0.2832976	0.09756773	11	0.75707947
ENSG00000124491	6	F13A1	6144318	rs12204494	6	6333084	G	T	0.360835	-0.0006466	0.00870567	0.940796	0.537451	0.0878302	9.40E-10	-0.001203	0.0161993	0.9408005	0.1423577	5	0.98530027
ENSG00000124784	6	RIOK1	7389729	rs6597266	6	7390077	T	C	0.345924	0.00819478	0.00852897	0.336644	-0.538317	0.0897553	2.00E-09	-0.015223	0.0160458	0.3427629	0.9786132	16	0.78752436
ENSG00000230314	6	ELOVL2-AS1	11043757	rs9348808	6	11083472	G	A	0.43837	0.016849	0.0081008	0.0375336	-0.59609	0.088462	1.60E-11	-0.0282659	0.0142226	0.04687849	0.1642694	5	0.51689866
ENSG00000050393	6	MCUR1	13786789	rs7772736	6	13776619	A	C	0.327038	0.0182244	0.00835809	0.0292234	0.67394	0.0876664	1.50E-14	0.0270416	0.012891	0.03593129	0.1726758	12	0.47400007
ENSG00000124532	6	MRS2	24403153	rs793682	6	24429965	A	G	0.622266	0.0134917	0.00813628	0.0972747	-0.686241	0.10412	4.37E-11	-0.0196603	0.0122258	0.1078133	0.5898397	14	0.63267467
ENSG00000272462	6	U91328.19	25992890	rs1935234	6	26067785	T	C	0.250497	-0.0159681	0.0108689	0.141792	0.770048	0.119274	1.07E-10	-0.0207365	0.0144754	0.1519914	0.1095696	20	0.67136051
ENSG00000186470	6	BTN3A2	26365387	rs72841536	6	26378288	A	T	0.111332	-0.0704274	0.0145569	1.31E-06	-1.08032	0.12795	3.08E-17	0.0651912	0.01553	2.70E-05	0.6802609	20	0.0468216
ENSG00000112763	6	BTN2A1	26458150	rs2273193	6	26458525	G	C	0.756461	-0.0091625	0.00966547	0.343149	-0.507422	0.0877111	7.24E-09	0.0180569	0.0193022	0.3495388	0.00315417	5	0.79055846
ENSG00000181315	6	ZNF322	26636518	rs62396201	6	26668216	A	G	0.406561	0.0156775	0.00836606	0.0609397	-0.671393	0.089205	5.22E-14	-0.0233507	0.0128412	0.06899933	0.06711117	16	0.58941739
ENSG00000241549	6	GUSBP2	26839263	rs9366675	6	26936723	T	C	0.143141	0.00559943	0.0119593	0.639638	-0.952622	0.142723	2.48E-11	-0.0058779	0.0125849	0.6404573	0.6107487	5	0.90242996
ENSG00000124613	6	ZNF391	27342394	rs4713094	6	27373078	A	G	0.743539	-0.0093934	0.00832653	0.259264	0.853128	0.0920425	1.88E-20	-0.0110106	0.00983203	0.2627704	0.01278512	18	0.75499306
ENSG00000216901	6	AL022393.7	28143966	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	1.10012	0.1091	6.53E-24	-0.0198136	0.00824709	0.01628382	0.00116688	20	0.39871484
ENSG00000235109	6	ZSCAN31	28292470	rs9357070	6	28580121	G	T	0.747515	0.0353435	0.0104343	0.00070599	-0.780836	0.115599	1.43E-11	-0.0452637	0.014949	0.00246289	0.6740796	20	0.22515954
ENSG00000187987	6	ZSCAN23	28399707	rs1150691	6	28168033	G	A	0.324056	-0.0346953	0.00921597	0.00016675	0.63712	0.1014	3.32E-10	-0.0544565	0.0168628	0.00124057	0.6596383	20	0.20338732
ENSG00000273340	6	MICE	29709508	rs9258222	6	29711562	A	G	0.0506958	-0.0001976	0.0228454	0.993097	1.12878	0.198932	1.39E-08	-0.0001751	0.020239	0.9930975	0.1458349	5	0.99766041
ENSG00000235821	6	IFITM4P	29718506	rs12661228	6	29670366	T	C	0.245527	0.00458113	0.00875686	0.600871	0.921005	0.13745	2.08E-11	0.00497406	0.00953687	0.6019765	0.7763634	20	0.89456808
ENSG00000181126	6	HLA-V	29758731	rs2252960	6	29931940	G	A	0.515905	0.0127971	0.0080434	0.111607	0.800645	0.116665	6.75E-12	0.0159835	0.0103126	0.1211653	0.2101974	20	0.65237472
ENSG00000176998	6	HCG4	29758816	rs1610699	6	29778987	G	T	0.276342	-0.0047376	0.00958502	0.621112	-0.908075	0.106731	1.77E-17	0.00521722	0.0105731	0.6217	0.6944654	20	0.90242996
ENSG00000230521	6	HCG4P7	29855071	rs9260639	6	29923423	T	C	0.159046	-0.0013595	0.0121516	0.910922	-0.935077	0.126371	1.37E-13	0.00145386	0.0129968	0.910932	0.2896435	20	0.97482371
ENSG00000206341	6	HLA-H	29855350	rs28724990	6	29816542	A	T	0.175944	0.00392171	0.0116898	0.737261	1.04364	0.167234	4.36E-10	0.00375772	0.0112172	0.7376269	0.0968526	20	0.91827118
ENSG00000230795	6	HLA-K	29894236	rs2735076	6	29943490	G	A	0.782306	0.00451941	0.011057	0.682732	-1.0011	0.126319	2.28E-15	-0.0045144	0.0110595	0.6831306	0.0478673	20	0.90615226
ENSG00000235290	6	HLA-W	29924373	rs72845126	6	29916287	T	G	0.12326	-0.0138923	0.0131346	0.290196	0.99126	0.164688	1.75E-09	-0.0140148	0.0134534	0.2975388	0.1312587	16	0.76092064
ENSG00000204622	6	HLA-J	29974360	rs9260486	6	29920281	T	G	0.630219	0.0133156	0.00827198	0.107458	0.712101	0.117936	1.56E-09	0.018699	0.012022	0.1198514	0.4362078	8	0.65237472
ENSG00000204618	6	RNF39	30038043	rs9261302	6	30042349	A	G	0.0954274	0.0168781	0.0179697	0.347599	0.985195	0.152826	1.14E-10	0.0171317	0.0184323	0.3526612	0.9818605	20	0.79157371
ENSG00000243753	6	HLA-L	30227361	rs28732090	6	31033863	G	C	0.0964215	0.00526983	0.0172553	0.760058	0.840282	0.148263	1.45E-08	0.0062715	0.0205649	0.7603958	0.07095029	8	0.93329513
ENSG00000228022	6	HCG20	30734602	rs3131046	6	30758861	C	T	0.431412	0.0027458	0.00866326	0.751284	-0.604037	0.101175	2.37E-09	-0.0045458	0.0143625	0.7516215	0.05912619	4	0.9252775
ENSG00000137411	6	VARS2	30876019	rs17189763	6	30923527	T	C	0.342942	-0.0085488	0.00829091	0.302491	0.765953	0.0940021	3.69E-16	-0.011161	0.0109106	0.3063322	0.1146283	20	0.76092064
ENSG00000196260	6	SFTA2	30899130	rs17189763	6	30923527	T	C	0.342942	-0.0085488	0.00829091	0.302491	0.943098	0.120418	4.81E-15	-0.0090646	0.00886701	0.3066462	0.5627582	11	0.76092064
ENSG00000204540	6	PSORS1C1	31082527	rs3094216	6	31084048	G	A	0.187873	-0.0279863	0.0115267	0.0151841	-0.958244	0.13156	3.25E-13	0.0292058	0.0126797	0.02125889	0.7339779	10	0.41658613
ENSG00000204536	6	CCHCR1	31110216	rs7751130	6	31144678	T	G	0.387674	0.0099343	0.00807515	0.21861	-0.446286	0.0799765	2.40E-08	-0.0222599	0.0185286	0.2296033	0.5999572	17	0.74020581
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	1.27264	0.197317	1.12E-10	0.00230298	0.00876042	0.7926399	0.1586767	6	0.94975557
ENSG00000204531	6	POU5F1	31132119	rs9295957	6	31157593	A	G	0.185885	0.00449576	0.00934478	0.630448	0.879956	0.146418	1.86E-09	0.00510907	0.0106536	0.6315371	0.6688282	17	0.90242996
ENSG00000204528	6	PSORS1C3	31141512	rs11966319	6	31229678	T	C	0.127237	0.00574136	0.00981893	0.558734	1.43353	0.156758	5.97E-20	0.00400505	0.00686346	0.5595352	0.138022	20	0.88661737
ENSG00000204525	6	HLA-C	31236526	rs9264393	6	31229279	A	G	0.570577	0.0143418	0.00828493	0.0834411	-0.678103	0.0799578	2.24E-17	-0.0211499	0.0124697	0.08986727	0.7417793	20	0.61234768
ENSG00000234745	6	HLA-B	31321649	rs10947210	6	31417742	C	T	0.083499	-0.0341997	0.0139096	0.0139434	0.605941	0.104036	5.73E-09	-0.0564406	0.0249169	0.02350342	0.3328123	4	0.41658613
ENSG00000272221	6	Xbac-BPG181B23.	31362066	rs7756426	6	31360694	A	G	0.295229	-0.006554	0.00871953	0.452264	-0.921438	0.125594	2.19E-13	0.0071128	0.00951249	0.4546218	0.05351028	20	0.86231368
ENSG00000204520	6	MICA	31371356	rs9469008	6	31409102	G	T	0.314115	-0.0073506	0.00848903	0.386552	-0.525435	0.0755257	3.48E-12	0.0139895	0.0162809	0.390198	0.3075793	20	0.81252804
ENSG00000204428	6	LY6G5C	31644461	rs1266073	6	31667028	A	C	0.297217	-0.0199677	0.00827981	0.0158818	-0.636965	0.102134	4.47E-10	0.0313482	0.0139368	0.02449323	0.04780189	9	0.42544741
ENSG00000204351	6	SKIV2L	31926857	rs389512	6	31947594	C	G	0.141153	0.0286202	0.0154248	0.0635287	0.76066	0.106312	8.37E-13	0.0376255	0.0209489	0.07248551	0.7178426	10	0.58941739
ENSG00000204344	6	STK19	31938868	rs116399318	6	31078664	C	T	0.0357853	-0.0268899	0.0217038	0.215365	-1.31811	0.235349	2.14E-08	0.0204003	0.0168639	0.2263927	0.9438357	20	0.74020581
ENSG00000204338	6	CYP21A1P	31973413	rs4711286	6	32071637	C	T	0.446322	0.0165491	0.00810065	0.0410592	0.601676	0.104989	9.99E-09	0.027505	0.0142934	0.05431433	0.6504663	20	0.55496465
ENSG00000250535	6	STK19P	31981047	rs13196409	6	31932766	A	G	0.026839	-0.0354488	0.022784	0.11974	2.11937	0.333764	2.15E-10	-0.0167261	0.0110684	0.1307469	0.7617411	20	0.65828222
ENSG00000213676	6	ATF6B	32065953	rs2228628	6	32088854	C	G	0.298211	0.0232737	0.00836151	0.00537861	0.681528	0.0721829	3.67E-21	0.0341493	0.0127908	0.00758888	0.7282376	20	0.31290184
ENSG00000198502	6	HLA-DRB5	32485120	rs9271466	6	32588606	G	C	0.856859	-0.0218431	0.0113766	0.054858	-1.25565	0.115587	1.72E-27	0.0173959	0.00920075	0.05866456	0.7740135	20	0.56834621
ENSG00000229391	6	HLA-DRB6	32520490	rs28895223	6	32435550	A	G	0.321074	-0.00419	0.00939693	0.655674	0.859426	0.0957829	2.89E-19	-0.0048754	0.0109475	0.6560712	0.9973139	20	0.90478858
ENSG00000196735	6	HLA-DQA1	32595956	rs9273157	6	32613052	G	C	0.197813	-0.0026204	0.00936318	0.779584	-0.492165	0.0836366	3.99E-09	0.00532419	0.019046	0.7798273	0.9983501	20	0.94469349

ENSG00000179344	6	HLA-DQB1	32627244	rs9273158	6	32613062	C	G	0.452286	-0.0058352	0.00806753	0.469496	-0.808563	0.0797751	3.84E-24	0.0072168	0.010003	0.4706237	1	20	0.86231368
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs9272339	6	32604274	G	A	0.678926	-0.02565	0.00887509	0.00385106	-0.713392	0.105427	1.32E-11	0.035955	0.0135279	0.00786437	0.157375	20	0.31290184
ENSG00000237541	6	HLA-DQA2	32709119	rs9274669	6	32636591	G	A	0.606362	-0.0059653	0.00807186	0.45989	0.901472	0.0991914	1.01E-19	-0.0066173	0.00898364	0.4613677	1	20	0.86231368
ENSG00000232629	6	HLA-DQB2	32723875	rs3134993	6	32637778	A	G	0.592445	-0.004798	0.00805908	0.551611	1.01043	0.0935521	3.42E-27	-0.0047484	0.007988	0.5522139	1	20	0.88493053
ENSG00000241106	6	HLA-DOB	32780540	rs4148876	6	32796793	A	G	0.0735586	0.0108122	0.0154544	0.484165	1.56853	0.23511	2.53E-11	0.00689321	0.00990682	0.4865515	0.0526575	14	0.86386102
ENSG00000204248	6	COL11A2	33130458	rs41317102	6	33151880	A	C	0.0387674	-0.0224162	0.0174667	0.199365	-0.917512	0.145368	2.76E-10	0.0244315	0.0194266	0.2085245	0.9535947	14	0.72873407
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.780178	0.0917903	1.90E-17	-0.0127425	0.022981	0.5792502	0.4642422	17	0.8888318
ENSG00000030110	6	BAK1	33540329	rs210143	6	33546930	C	T	0.72664	0.00953471	0.00975137	0.328182	-0.600381	0.0923066	7.81E-11	-0.0158811	0.0164245	0.3335856	0.08743911	6	0.78122171
ENSG00000065060	6	UHRF1BP1	34759857	rs6925764	6	34832661	C	T	0.33996	-0.0100656	0.00857955	0.240713	0.527956	0.0713757	1.39E-13	-0.0190652	0.0164536	0.2465687	0.03712707	10	0.75499306
ENSG00000246982	6	RP1-179N16.6	36114475	rs9366900	6	36156518	G	A	0.832008	0.00236489	0.0128457	0.853935	-0.747096	0.110235	1.22E-11	-0.0031654	0.0172005	0.8539885	0.4877373	11	0.97265415
ENSG00000198663	6	C6orf89	36839646	rs2177845	6	36915094	T	C	0.145129	0.0192916	0.0111091	0.0824651	-0.383292	0.0538939	1.14E-12	-0.0503313	0.0298349	0.09160407	0.7888383	16	0.61234768
ENSG00000164530	6	PI16	36922209	rs1571397	6	36921693	A	C	0.466203	0.0094769	0.00823016	0.249534	0.926805	0.0845095	5.51E-28	0.0102253	0.00892896	0.2521308	0.00496084	20	0.75499306
ENSG00000137409	6	MTCH1	36935917	rs6914608	6	36918347	G	T	0.204771	0.010214	0.0101761	0.31551	-0.593504	0.077462	1.83E-14	-0.0172097	0.0172923	0.3196288	0.2161812	16	0.76808891
ENSG00000161912	6	ADCY10P1	41068761	rs722442	6	41089681	G	A	0.32008	0.00103884	0.00852393	0.903	0.540592	0.0814134	3.14E-11	0.00192167	0.0157704	0.9030156	0.4505427	13	0.97482371
ENSG00000188056	6	TREML4	41196062	rs6921119	6	41195147	G	A	0.771372	0.0076986	0.00988361	0.436024	-0.917469	0.115871	2.41E-15	-0.0083911	0.0108247	0.4382309	0.2712935	13	0.85327664
ENSG00000048544	6	MRPS10	42174539	rs4714583	6	42183686	A	G	0.637177	0.00411479	0.00886397	0.642494	0.829354	0.0969353	1.17E-17	0.00496144	0.0107035	0.642982	0.03768947	9	0.90242996
ENSG00000124587	6	PEX6	42931608	rs9986447	6	42942779	G	A	0.459245	-0.0003573	0.00832962	0.965787	0.759039	0.0791105	8.42E-22	-0.0004707	0.010974	0.9657872	0.9601467	11	0.98645568
ENSG00000112655	6	PTK7	43044006	rs79643612	6	43073651	C	T	0.028827	0.00326415	0.0238621	0.891195	2.04466	0.226214	1.59E-19	0.00159643	0.0116718	0.8912074	0.44887	11	0.97482371
ENSG00000112796	6	ENPP5	46126924	rs2235881	6	46129345	A	G	0.534791	0.0202999	0.00806528	0.0118378	-0.567982	0.0722573	3.82E-15	-0.0357404	0.0149101	0.01652704	0.2725335	14	0.39871484
ENSG00000153291	6	SLC25A27	46620678	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	0.681285	0.0751607	1.25E-19	0.0345782	0.0136429	0.01126025	0.9408046	17	0.35721963
ENSG00000180113	6	TDRD6	46655612	rs1805017	6	46684222	T	C	0.255467	0.0242782	0.00911139	0.00770797	-0.690008	0.106054	7.71E-11	-0.0351854	0.0142693	0.01367015	0.8425025	11	0.39575084
ENSG00000031691	6	CENPQ	49431091	rs62411930	6	49420248	G	A	0.337972	0.0038709	0.00830613	0.641195	-0.547334	0.0693935	3.09E-15	-0.0070723	0.0152021	0.6417754	0.31738	16	0.90242996
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs4928430	6	58303520	A	T	0.715706	0.00127033	0.00871113	0.884057	-0.909607	0.118692	1.81E-14	-0.0013966	0.00957854	0.8840777	0.6273071	14	0.97445788
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs9500251	6	58280861	C	T	0.7167	0.00075709	0.0088066	0.931492	0.61997	0.0848947	2.82E-13	0.00122117	0.0142059	0.9314963	0.2764107	20	0.98239774
ENSG00000215190	6	LINC00680	58272352	rs4928430	6	58303520	A	T	0.715706	0.00127033	0.00871113	0.884057	-0.924928	0.0978185	3.21E-21	-0.0013734	0.00941929	0.8840706	0.1799819	20	0.97445788
ENSG00000146166	6	LGSN	63985856	rs4710255	6	64156268	C	A	0.558648	0.0133198	0.00834675	0.110531	-1.00821	0.105088	8.48E-22	-0.0132113	0.00839253	0.1154461	0.834849	20	0.64679311
ENSG00000234882	6	EIF3EP1	74001685	rs56159527	6	74023599	T	C	0.0735586	-0.008029	0.0126105	0.524327	0.861285	0.143815	2.11E-09	-0.0093221	0.014724	0.5266523	0.8317379	4	0.87456505
ENSG00000146243	6	IRAK1BP1	79577189	rs2202659	6	79514609	T	C	0.475149	0.0201493	0.00812207	0.0131084	0.57182	0.104891	4.99E-08	0.0352371	0.0156054	0.02394537	0.393243	7	0.4201324
ENSG00000146242	6	TPBG	83072923	rs7381274	6	83271069	C	A	0.215706	0.0013458	0.00840595	0.872802	-0.59313	0.0886063	2.17E-11	-0.002269	0.0141762	0.8728377	0.2631555	18	0.97265415
ENSG00000065833	6	ME1	83920108	rs2096223	6	84077446	G	T	0.329026	0.0201903	0.00893192	0.0237925	-0.398826	0.0582971	7.85E-12	-0.0506243	0.0235864	0.03184609	0.7200604	16	0.47400007
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.819717	0.0647178	9.12E-37	0.0383768	0.0102689	0.0001861	0.3435395	20	0.12467844
ENSG00000111850	6	SMIM8	88032301	rs242265	6	88061039	C	T	0.606362	0.00666127	0.00831547	0.423091	0.577115	0.0841686	7.05E-12	0.0115424	0.0145067	0.426231	0.9654124	7	0.8444169
ENSG00000083099	6	LYRM2	90277863	rs4343895	6	90378930	T	C	0.629225	0.0101334	0.00830265	0.222274	-0.375754	0.066886	1.93E-08	-0.0269682	0.0226114	0.232995	0.7462697	8	0.74020581
ENSG00000123545	6	NDUFAF4	97337189	rs12202527	6	97354319	A	G	0.132207	0.0113579	0.0122035	0.352006	0.629519	0.0980642	1.37E-10	0.0180422	0.0195881	0.3570096	0.6154126	6	0.79157371
ENSG00000228506	6	RP11-98I9.4	99872798	rs4840044	6	99888013	G	A	0.493042	-0.0012041	0.00807225	0.881422	0.966591	0.0907845	1.80E-26	-0.0012457	0.00835208	0.8814337	0.3631922	20	0.97445788
ENSG00000219755	6	RP1-199J3.5	100023588	rs330831	6	100047669	C	T	0.806163	0.0101951	0.00881455	0.247427	0.909978	0.131767	4.99E-12	0.0112037	0.00982147	0.2539808	0.9962173	20	0.75499306
ENSG00000130348	6	QRSL1	107077453	rs3121434	6	107128371	G	T	0.387674	-0.0016004	0.00824144	0.84603	-0.483343	0.0812831	2.74E-09	0.00331106	0.01706	0.8461105	0.4941206	6	0.9720198
ENSG00000229654	6	RP1-60O19.2	107143410	rs2354549	6	107142323	A	G	0.670974	-0.0164734	0.00853837	0.0536896	0.683789	0.120299	1.32E-08	-0.0240913	0.0131866	0.0677054	0.8476662	10	0.58941739
ENSG00000260273	6	RP11-425D10.10	109703998	rs9480949	6	109728441	C	T	0.420477	-0.0181513	0.0080958	0.0249569	0.635136	0.105886	1.99E-09	-0.0285786	0.0136079	0.03571586	0.9265356	15	0.47400007
ENSG00000203797	6	DDO	110712974	rs4945862	6	110737115	A	G	0.373757	-0.0083867	0.00812419	0.301926	0.941169	0.0822311	2.48E-30	-0.0089109	0.00866706	0.3038846	0.1689871	8	0.76092064
ENSG00000255389	6	C6orf3	111921078	rs9481169	6	111929862	T	G	0.105368	-0.0270014	0.0150236	0.0722936	-1.16325	0.133932	3.78E-18	0.023212	0.0131888	0.07841131	0.187198	18	0.60000196
ENSG00000203778	6	FAM229B	112408802	rs6940134	6	112417353	A	G	0.499006	0.00213896	0.0081114	0.792012	0.489683	0.0603995	5.17E-16	0.00436805	0.0165734	0.79212	0.01620331	8	0.94975557
ENSG00000170162	6	VGLL2	117586721	rs210975	6	117593205	G	A	0.105368	-0.0010553	0.0142231	0.940855	1.14498	0.152227	5.41E-14	-0.0009217	0.0124227	0.9408577	0.2344584	3	0.98530027
ENSG00000237742	6	RP11-624M8.1	125899704	rs1343115	6	126069817	G	C	0.599404	-0.0078376	0.0081336	0.33524	-0.493805	0.0706766	2.81E-12	0.0158719	0.0166272	0.3397918	0.7729174	20	0.78634727
ENSG00000135547	6	HEY2	126068810	rs4492207	6	126023555	A	G	0.565606	-0.0141234	0.00813862	0.082678	-0.371111	0.0666545	2.58E-08	0.0380571	0.022971	0.09757071	0.5277362	12	0.61629208
ENSG00000111912	6	NCOA7	126102307	rs1544292	6	126175093	C	G	0.578529	-0.0089507	0.00816675	0.273082	0.645916	0.074335	3.65E-18	-0.0138574	0.0127439	0.2768706	0.9271261	11	0.75678055
ENSG00000066651	6	TRMT11	126307576	rs1268119	6	126375581	C	T	0.717694	-0.0239012	0.00959536	0.0127418	-0.431022	0.0769836	2.16E-08	0.0554524	0.0243656	0.02285535	0.6823197	3	0.41658613
ENSG00000079819	6	EPB41L2	131160487	rs12193574	6	131225131	G	A	0.512922	0.0130911	0.00840799	0.119474	-0.43453	0.0683091	2.00E-10	-0.030127	0.0199208	0.130447	0.3296224	8	0.65828222
ENSG00000112319	6	EYA4	133561736	rs9373041	6	133589188	G	A	0.183897	-0.0045657	0.0100658	0.650127	0.500216	0.0829587	1.64E-09	-0.0091275	0.0201798	0.6510461	0.4895503	12	0.90478858
ENSG00000118514	6	ALDH8A1	135238528	rs12661423	6	135349570	T	C	0.489066	0.0013178	0.00813793	0.871359	-0.860234	0.089883	1.06E-21	-0.0015319	0.00946149	0.8713768	0.2795896	20	0.97265415
ENSG00000112339	6	HBS1L	135281516	rs4134030	6	135354094	T	G	0.491054	0.00089417	0.00813757	0.912503	-0.692041	0.0609602	7.22E-30	-0.0012921	0.0117593	0.9125075	0.3723085	20	0.97482371
ENSG00000232876	6	CTA-212D2.2	135376171	rs41294852	6	135376379	G	T	0.488072	0.00136494	0.00813803	0.866801	-0.794662	0.100606	2.82E-15	-0.0017176	0.0102432	0.8668304	0.4024789	20	0.97265415
ENSG00000112357	6	PEX7	137143717	rs9766409	6	137168044	A	G	0.5666	-0.005598	0.00814923	0.492126	-0.34193	0.0564964	1.43E-09	0.0163717	0.0239861	0.4948912	0.1725057	13	0.86830911
ENSG00000051620	6	HEBP2	138724668	rs41289781	6	138656343	G	C	0.0636183	-0.0024947	0.0198604	0.900038	-0.596267	0.105836	1.76E-08	0.00418391	0.0333162	0.9000628	0.9997483	5	0.97482371
ENSG00000225177	6	RP11-390P2.4	139013685	rs6940904	6	139005789	A	C	0.385686	0.00324018	0.00844739	0.701295	0.646995	0.100157	1.05E-10	0.00500804	0.0130793	0.7017959	0.07093763	11	0.90615226
ENSG00000234147	6	RP3-460G2.2	141167095	rs11756619	6	141199815	G	A	0.354871	0.00961615	0.00849217	0.257485	0.868542	0.0945928	4.24E-20	0.0110716	0.00985157	0.2610805	0.9358372	20	0.75499306
ENSG00000228408	6	RP1-111D6.3	149539062	rs9498255	6	149538517	G	C	0.302187	-0.0086107	0.00928706	0.353839	0.794955	0.0969168	2.36E-16	-0.0108316	0.0117569	0.3568936	0.6756915	7	0.79157371
ENSG00000131023	6	LATS1	149979289	rs12191643	6	149950048	T	C	0.356859	0.0111836	0.00829118	0.177382	0.497518	0.0835549	2.61E-09	0.0224788	0.0170873	0.1883341	0.5919944	5	0.71116594
ENSG00000231760	6	RP11-350J20.5	150117711	rs9322215	6	150046511	C	T	0.369781	0.0105263	0.00828522	0.203911	0.914917	0.130492	2.36E-12	0.0115052	0.00920318	0.2112511	0.7829894	14	0.72873407
ENSG00000216906	6	RP11-350J20.9	150225379	rs7738696	6	150170121	G	A	0.352883	0.0122039	0.00825619	0.139367	0.837796	0.129194	8.89E-11	0.0145667	0.0101074	0.1495323	0.7778476	10	0.67136051
ENSG00000203722	6	RAET1G	150238014	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	0.775468	0.123731	3.67E-10	0.00856042	0.0106171	0.420076	0.475384	18	0.84130138
ENSG00000112031	6	MTRF1L	153308497	rs9384062	6	153313148	T	C	0.689861	0.0199681	0.00877745	0.0229097	-0.842027	0.0914423	3.31E-20	-0.0237143	0.0107376	0.02720727	0.00704998	13	0.45882551
ENSG00000153721	6	CNKSR3	154708638	rs60707704	6	154829835	G	A	0.298211	0.00737712	0.00878087	0.400832	0.552524	0.0981659	1.82E-08	0.0133517	0.0160684	0.4060133	0.5268255	3	0.83165696
ENSG00000235381	6	RP11-477D19.2	155574273	rs1331212	6	155575431	T	C	0.428429	-0.0100478	0.00811111	0.215428	0.672719	0.095811	2.20E-12	-0.0149361	0.0122434	0.2224918	0.9358026	14	0.74020581
ENSG00000112110	6	MRPL18	160210844	rs1128670	6	160211636	A	G	0.757455	0.00256163	0.0104704	0.806724	-0.434333	0.0689816	3.05E-10	-0.0058979	0.024125	0.8068669	0.7344318	10	0.95531805
ENSG00000146453	6	PNLDC1	160221298	rs35872675	6	160229889	C	T	0.511928	0.0003899	0.00815479	0.961866	-0.869691	0.103896	5.72E-17	-0.0004483	0.0093768	0.9618663	0.7748494	8	0.98571272
ENSG00000112530	6	PACRG	163148164	rs13192618	6	163132822	C	T	0.131213	0.032244	0.0168629	0.0558599	0.708278	0.125656	1.73E-08	0.0455245	0.0251409	0.070176	0.821348	8	0.58941739
ENSG00000235994	6	RP3-470B24.5	168376604	rs2516808	6	168404976	C	T	0.565606	-0.0099193	0.00811482	0.22157	-0.854215	0.123238	4.17E-12	0.0116121	0.00964633	0.228671	0.07431146	20	0.74020581
ENSG00000229921	6	KIF25-AS1	168393502	rs2516808	6	168404976	C	T	0.565606	-0.0099193	0.00811482	0.22157	-0.910318	0.12387	2.00E-13	0.0108965	0.00903674	0.2278951	0.07557805	20	0.74020581
ENSG00000125337	6	KIF25	168396921	rs3778670	6	168400266	T	C	0.149105	0.0202577	0.0103974	0.0513748	1.39014	0.206261	1.59E-11	0.0145724	0.00778564	0.06124767	0.593141	6	0.57384064
ENSG00000186340	6	THBS2	169615875	rs12180739	6	169614713	C	G	0.444334	-0.0013376	0.00821304	0.870623	0.512637	0.0907434	1.61E-08	-0.0026093	0.0160278	0.8706758	0.2262948	3	0.97265415
ENSG00000223855	7	AC147651.3	560028	rs9801322	7	564240	G	A	0.175944	0.00829487	0.0105012	0.429588	1.38261	0.129839	1.77E-26	0.00599943	0.00761607	0.4308528	0.9036671	8	0.84740447
ENSG00000164818	7	HEATR2	766338	rs4548086	7	801211	T	C	0.602386	-0.0032054	0.00848359	0.705554	0.447444	0.0808537	3.13E-08	-0.0071638	0.0190043	0.706205	0.5812416	10	0.90615226
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.06921	0.0898307	1.15E-32	-0.0067182	0.00787406	0.393548	0.7282062	20	0.81671789
ENSG00000164880	7	INTS1	1509913	rs2304358	7	1540049	G	A	0.465209	0.00587516	0.0080599	0.46604	-0.582774	0.0897552	8.42E-11	-0.0100814	0.0139171	0.4688286	0.7470911	10	0.86231368
ENSG00000122687	7	FTSJ2	2273866	rs34418140	7	2278183	T	C	0.341948	-0.0029028	0.00878111	0.740969	0.590473	0.0864968	8.70E-12	-0.004916	0.0148887	0.7412609	0.425799	20	0.91827118
ENSG00000196204	7	RNF216P1	5013619	rs9689983	7	5024540	A	G	0.0596421	-0.0506147	0.0204036	0.0131135	-0.932551	0.161428	7.61E-09	0.0542755	0.0238113	0.02264308	0.3336283	12	0.41658613
ENSG00000159904	7	ZNF890P	5160870	rs308080	7	5888663	A	G	0.441352	-0.0029163	0.00808642	0.718365	0.823071	0.0946866	3.54E-18	-0.0035432	0.00983315	0.7185973	0.9313609	20	0.91266332
ENSG00000187953	7	PMS2CL	6749759	rs34317597	7	6782327	T	A	0.286282	0.00856875	0.00907462	0.34504	-0.73334	0.113133	9.04E-11	-0.0116846	0.012505	0.3501014	0.06678836	19	0.79080121
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.93482	0.122216	2.03E-14	0.00596424	0.00884065	0.4999058	0.6940664	8	0.86833637
ENSG00000106392	7	C1GALT1	7196565	rs10246303	7	7286445	T	A	0.439364	-0.0051191	0.00807606	0.526172	0.532452	0.0634888	5.01E-17	-0.0096142	0.0152109	0.5273496	0.3287408	20	0.87488659
ENSG00000230825	7	AC005532.5	7294785	rs62450796	7	7346254	T	A	0.191849	0.00348456	0.00899186	0.698369	-0.705907	0.123895	1.21E-08	-0.0049363	0.0127675	0.6990297	0.2161324	8	0.90615226
ENSG00000272894	7	RP5-1159O4.1	7592093	rs12702621	7	7606539	C	G	0.950298	-0.0164613	0.0308951	0.594165	0.763086	0.125814	1.32E-09	-0.021572	0.040643	0.5955792	0.1711446	12	0.89456808
ENSG00000237773	7	AC003075.4	17319458	rs4719497	7	17334899	C	T	0.124254	0.00291338	0.0126872	0.818378	1.19082	0.144954	2.12E-16	0.00244653	0.0106583	0.8184478	0.6551997	20	0.95999913
ENSG00000136237	7	RAPGEF5	22157856	rs2528912	7	22302869	G	A	0.340954	0.00608547	0.00831268	0.464125	-0.2734	0.0485482	1.79E-08	-0.0222585	0.0306607	0.4678617	0.4899499	7	0.86231368
ENSG00000230658	7	KLHL7-AS1	23140847	rs13438179	7	23143851	C	T	0.34493	-0.0025366	0.00867871	0.770079	1.12101	0.100017	3.72E-29	-0.0022627	0.0077445	0.7701541	0.07928636	20	0.93811898
ENSG00000136243	7	NUPL2	23221446	rs55788996	7	23192849	A	G	0.323062	0.00792714	0.0090157	0.379261	-0.811109	0.0953285	1.76E-17	-0.0097732	0.0111745	0.3817905	0.06779467	20	0.81204283
ENSG00000188732	7	FAM221A	23719749	rs2191305	7	23723212	T	C	0.480119	0.0119243	0.0081011	0.141038	1.02199	0.0778757	2.42E-39	0.0116677	0.00797649	0.143532	0.2094527	20	0.67136051
ENSG00000196335	7	STK31	23749786	rs12700456	7	23720488	T	G	0.485089	0.0108349	0.00810124	0.181082	0.63017	0.0817854	1.31E-14	0.0171936	0.0130479	0.1875928	0.3577652	20	0.71112515
ENSG00000105928	7	DFNA5	24737972	rs2721811	7	24749429	G	A	0.421471	0.0296628	0.00805688	0.00023171	0.394676	0.0649493	1.23E-09	0.0751573	0.0238684	0.00163928	0.4715305	14	0.20338732
ENSG00000233429	7	HOTAIRM1	27135266	rs706018	7	27138754	G	T	0.917495	0.0179428	0.0171477	0.295389	-1.2943	0.198803	7.49E-11	-0.0138629	0.0134187	0.3015526	0.9359132	8	0.76092064
ENSG00000272568	7	CTB-113D17.1	29019583	rs11978941	7	29035874	C	G	0.084493	0.00293852	0.0169924	0.862705	1.00573	0.142577	1.74E-12	0.00292178	0.0169007	0.8627462	0.9811748	6	0.97265415
ENSG00000106066	7	CPVL	29034847	rs10256731	7	29195582	T	C	0.375746	0.00462949	0.0082009	0.572407	-0.410458	0.0708215	6.80E-09	-0.0112788	0.0200744	0.5742175	0.2713305	3	0.8873806
ENSG00000225264	7	ZNRF2P2	29638411	rs34251700	7	29685827	T	C	0.0795229	0.0307553	0.020805	0.139337	1.40796	0.215963	7.06E-11	0.0218439	0.0151518	0.1493959	0.3540722	6	0.67136051
ENSG00000227855	7	AC007276.5	29689843	rs34251700	7	29685827	T	C	0.0795229	0.0307553	0.020805	0.139337	1.29022	0.220753	5.08E-09	0.0238373	0.0166329	0.1518192	0.5151415	4	0.67136051
ENSG00000122574	7	WIPF3	29846102	rs174938	7	29885431	G	A	0.604374	-0.0035076	0.0081566	0.667177	0.690915	0.0883396	5.24E-15	-0.0050767	0.0118233	0.6676486	0.02327729	8	0.90615226
ENSG00000196295	7	AC005154.6	30555925	rs38487	7	30614508	G	A	0.756461	0.00082928	0.00893581	0.926059	-1.2812	0.102992	1.59E-35	-0.0006473	0.00697476	0.9260613	0.2675732	20	0.97885729
ENSG00000244480	7	AC005154.7	30562759	rs38487	7	30614508	G	A	0.756461	0.00082928	0.00893581	0.926059	-0.986696	0.0984773	1.25E-23	-0.0008405	0.00905668	0.9260624	0.2263166	20	0.97885729
ENSG00000205763	7	RP9P	32956427	rs2893441	7	32961379	A	C	0.185885	-0.0050358	0.00977905	0.606585	-0.611815	0.0948664	1.12E-10	0.00823084	0.0160345	0.6077281	0.7795412	10	0.89474607
ENSG00000122507	7	BBS9	33168856	rs10259915	7	33168887	G	T	0.203777	-0.0172897	0.00989211	0.0804933	-0.820304	0.116088	1.59E-12	0.0210772	0.0124225	0.08975441	0.6057996	15	0.61234768
ENSG00000227191	7	TRGC2	38279181	rs12155081	7	38311790	T	C	0.463221	0.0028907	0.00806746	0.720107	-0.85711	0.093739	6.04E-20	-0.0033726	0.00941962	0.7203125	0.5073379	20	0.91327213
ENSG00000211688	7	TRGJP2	38295938	rs6958436	7	38292334	G	A	0.45328	0.00425918	0.00809568	0.598815	-0.67845	0.106434	1.84E-10	-0.0062778	0.0119732	0.6000543	0.2935346	11	0.89456808
ENSG00000211698	7	TRGV4	38393316	rs73115901	7	38418922	T	C	0.2167	-0.0141847	0.00849149	0.0948287	-0.768069	0.118654	9.59E-11	0.018468	0.0114178	0.1057765	0.9637361	15	0.63264166
ENSG00000235314	7	LINC00957	44078770	rs6957051	7	44095382	G	T	0.240557	0.00806253	0.00868691	0.353343	-0.494609	0.0821461	1.73E-09	-0.0163008	0.0177706	0.3589906	0.2112673	4	0.79157371
ENSG00000015676	7	NUDCD3	44418720	rs28505285	7	44377654	C	G	0.168986	-0.0099394	0.00940947	0.290825	0.490425	0.0894552	4.20E-08	-0.0202668	0.0195392	0.2996259	0.07132852	7	0.76092064
ENSG00000164742	7	ADCY1	45613739	rs59498167	7	45610162	C	T	0.50497	-0.015061	0.00815037	0.0646175	-0.339036	0.0543093	4.30E-10	0.044423	0.0250709	0.07641222	0.1410683	20	0.59535021
ENSG00000272556	7	RP11-638I8.1	45854201	rs77044087	7	45861713	T	G	0.254473	-0.0075605	0.0100515	0.451943	-0.510626	0.0812907	3.35E-10	0.0148064	0.0198253	0.4551572	0.01364648	15	0.86231368
ENSG00000224057	7	EGFR-AS1	55247443	rs1107618	7	55280283	A	G	0.234592	-0.0043294	0.00882627	0.623774	0.809379	0.110548	2.45E-13	-0.005349	0.0109294	0.6245505	0.5251173	8	0.90242996
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.23413	0.103764	1.28E-32	0.0105958	0.00755469	0.1607518	0.5186301	20	0.67690387
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.96433	0.0888331	1.88E-27	0.0135603	0.0096818	0.1613346	0.4263518	17	0.67690387
ENSG00000185290	7	NUPR1L	56182374	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.25087	0.114552	9.28E-28	0.010454	0.00746323	0.1612937	0.5993692	20	0.67690387
ENSG00000173041	7	ZNF680	63980262	rs112242750	7	63942139	A	G	0.229622	0.00596092	0.00940661	0.52628	-0.577557	0.094711	1.07E-09	-0.0103209	0.0163746	0.5284978	0.579397	19	0.87595485
ENSG00000182722	7	SEPHS1P1	64312775	rs6960979	7	64323479	G	A	0.49503	-0.0132628	0.00808295	0.100833	-0.672144	0.109913	9.64E-10	0.0197321	0.012451	0.1130164	0.467848	15	0.64679311
ENSG00000213640	7	RP11-797H7.3	64323377	rs7811163	7	64337501	G	A	0.486083	-0.0141911	0.00808859	0.0793524	-1.06156	0.118768	3.96E-19	0.0133682	0.00776493	0.08514096	0.7748082	20	0.61234768
ENSG00000213462	7	ERV3-1	64451187	rs35586133	7	64478057	A	G	0.399602	-0.0046533	0.00830789	0.575403	0.781064	0.0804587	2.80E-22	-0.0059577	0.0106543	0.5760382	0.9522299	19	0.88835479
ENSG00000234585	7	CCT6P3	64498732	rs2419256	7	64471881	G	T	0.56163	0.00416136	0.00817437	0.6107	-0.869874	0.0796797	9.55E-28	-0.0047839	0.0094074	0.6110876	0.7938714	20	0.89635606
ENSG00000227113	7	RP11-460N20.4	64535401	rs71562965	7	64572483	G	A	0.397614	-0.0037421	0.00831514	0.652687	0.669177	0.100338	2.57E-11	-0.0055921	0.0124542	0.6534237	0.9716717	20	0.90478858
ENSG00000226002	7	RP11-460N20.5	64544481	rs71562965	7	64572483	G	A	0.397614	-0.0037421	0.00831514	0.652687	0.936446	0.0921739	3.00E-24	-0.003996	0.00888817	0.6530052	0.8960543	20	0.90478858
ENSG00000164669	7	INTS4L1	64601603	rs657560	7	64700434	C	T	0.369781	-0.0049475	0.00863029	0.566462	-0.818292	0.0898313	8.30E-20	0.00604612	0.0105676	0.5672281	0.8417238	20	0.88725573
ENSG00000237310	7	GS1-124K5.4	65958693	rs10281499	7	66048966	G	A	0.638171	0.017497	0.00878949	0.0465168	-0.641699	0.0932309	5.86E-12	-0.0272667	0.0142586	0.05583789	0.5085204	8	0.56063824
ENSG00000243335	7	KCTD7	66093868	rs10215516	7	66258080	A	G	0.527833	-0.0129018	0.00822458	0.116722	-0.602273	0.0573498	8.48E-26	0.0214218	0.0138074	0.1207879	0.7339146	20	0.65237472
ENSG00000226824	7	RP4-756H11.3	66119525	rs6979488	7	66218847	C	T	0.542744	-0.0145176	0.00826604	0.0790387	-1.17408	0.0956076	1.16E-34	0.0123651	0.00711208	0.08210453	0.8462639	11	0.60753209
ENSG00000198874	7	TYW1	66460160	rs3980757	7	66590764	A	G	0.2167	-0.0168375	0.0109842	0.125304	1.04228	0.0993276	9.27E-26	-0.0161545	0.0106505	0.1293209	0.9351254	10	0.65828222
ENSG00000106610	7	STAG3L4	66767608	rs9443	7	66785137	A	C	0.392644	0.00340825	0.0089224	0.70247	-0.960242	0.0926951	3.80E-25	-0.0035494	0.00929814	0.7026627	0.2889635	20	0.90615226
ENSG00000106133	7	NSUN5P2	72418120	rs62463388	7	72350361	A	G	0.659046	0.00898633	0.00878046	0.306097	-0.736949	0.127329	7.13E-09	-0.012194	0.0120995	0.3135451	0.4703301	6	0.76582138
ENSG00000165171	7	WBSCR27	73248920	rs4301345	7	73259935	C	T	0.724652	0.00406524	0.00869267	0.640025	-0.948025	0.105559	2.68E-19	-0.0042881	0.00918166	0.6404783	0.1949546	19	0.90242996
ENSG00000196275	7	GTF2IRD2	74210483	rs810366	7	74140925	G	C	0.806163	-0.0368269	0.0104766	0.0004395	-0.944996	0.116994	6.62E-16	0.0389704	0.0120907	0.00126782	0.7475362	19	0.20338732
ENSG00000123965	7	PMS2P5	74306894	rs2529275	7	74294925	C	T	0.798211	-0.0232974	0.0104219	0.0253898	-1.1637	0.12432	7.93E-21	0.0200201	0.00920767	0.02968374	0.03868881	15	0.46713376
ENSG00000205583	7	STAG3L1	74988448	rs6944634	7	75061769	C	G	0.810139	0.00809241	0.0112113	0.470413	-0.763085	0.137337	2.76E-08	-0.0106049	0.0148155	0.4741187	0.8431836	3	0.86343574
ENSG00000127952	7	STYXL1	75625656	rs112985171	7	75808612	T	C	0.109344	0.0183276	0.0167664	0.274342	0.717398	0.127921	2.05E-08	0.0255473	0.023811	0.2833055	0.5502297	5	0.75707947
ENSG00000188372	7	ZP3	76026835	rs76134806	7	76303260	C	T	0.0606362	-0.0073822	0.0166167	0.656853	1.58042	0.205399	1.42E-14	-0.004671	0.0105316	0.6573872	0.4096512	20	0.90478858
ENSG00000243566	7	UPK3B	76139745	rs62475630	7	76099225	T	A	0.247515	0.0077664	0.00981961	0.428998	0.765206	0.132777	8.26E-09	0.0101494	0.0129529	0.4332967	0.6682865	17	0.84804658
ENSG00000146707	7	POMZP3	76239303	rs62477976	7	76188633	G	C	0.205765	0.0121841	0.0109035	0.263801	-1.1737	0.136409	7.68E-18	-0.0103809	0.00936787	0.2678004	0.4941481	20	0.75499306
ENSG00000214243	7	AC004980.10	76279718	rs2690526	7	76132962	G	A	0.654076	0.00824458	0.00911184	0.365561	0.76411	0.121058	2.76E-10	0.0107898	0.0120467	0.3704319	0.5835204	11	0.80732774
ENSG00000186704	7	DTX2P1	76607934	rs11772484	7	76561369	T	G	0.799205	0.0103954	0.00993348	0.295332	-0.670109	0.116526	8.89E-09	-0.015513	0.0150671	0.3032014	0.5150692	7	0.76092064
ENSG00000241350	7	PMS2P11	76640868	rs73144267	7	76552745	C	T	0.198807	-0.0101709	0.00992943	0.305683	0.832681	0.149674	2.65E-08	-0.0122146	0.0121251	0.3137495	0.5477462	8	0.76582138
ENSG00000214293	7	RSBN1L-AS1	77286977	rs7789485	7	77280242	A	G	0.149105	0.00061467	0.0129547	0.962156	-1.00919	0.129432	6.34E-15	-0.0006091	0.012837	0.9621572	0.418685	20	0.98571272
ENSG00000075213	7	SEMA3A	83585093	rs28615284	7	83612655	G	A	0.406561	-0.0070858	0.00851674	0.405419	0.589811	0.108069	4.82E-08	-0.0120136	0.0146066	0.4108032	0.8326032	3	0.83653594
ENSG00000157214	7	STEAP2	89796904	rs6465239	7	89815119	C	G	0.50497	-0.003452	0.00814499	0.671701	0.239452	0.0430443	2.65E-08	-0.0144161	0.0341137	0.672595	0.7591439	6	0.90615226
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.48687	0.217903	8.88E-12	0.0128294	0.0126066	0.3088336	0.1039732	10	0.76331456
ENSG00000231170	7	AC002451.3	95225994	rs10271972	7	95225731	C	T	0.351889	0.0121538	0.00891711	0.172891	0.775224	0.108303	8.19E-13	0.0156778	0.0117093	0.1805973	0.4509675	12	0.70330236
ENSG00000238228	7	OR7E7P	97576299	rs12113169	7	97609353	G	A	0.23161	-0.0097879	0.00927496	0.291288	-0.701118	0.107764	7.71E-11	0.0139604	0.0134017	0.2975576	0.3523072	11	0.76092064
ENSG00000272950	7	RP11-307C18.1	97952165	rs4729431	7	97937981	A	T	0.429423	0.0137122	0.00806197	0.0889713	-0.622703	0.0983419	2.42E-10	-0.0220204	0.0134057	0.100461	0.07159366	20	0.62046622
ENSG00000146833	7	TRIM4	99474581	rs2527899	7	99529181	G	A	0.533797	0.00023751	0.00821224	0.976927	0.479905	0.0819774	4.80E-09	0.00049491	0.0171124	0.9769275	0.4448657	3	0.9912361
ENSG00000066923	7	STAG3	99775186	rs1628077	7	99800958	A	G	0.26839	0.0281615	0.00906676	0.00189627	0.460241	0.079417	6.82E-09	0.0611886	0.0223511	0.00618872	0.7164468	15	0.28288947
ENSG00000213413	7	PVRIG	99815864	rs1727142	7	99816179	C	T	0.735586	-0.0239115	0.00920553	0.00939031	-0.71163	0.097367	2.70E-13	0.033601	0.0137285	0.0143836	0.07747811	12	0.39871484
ENSG00000242294	7	STAG3L5P	99933702	rs7792525	7	99972122	G	A	0.175944	-0.0149711	0.00985897	0.128882	0.838421	0.0834407	9.36E-24	-0.0178563	0.0118925	0.1332324	0.6782944	16	0.66467276
ENSG00000121716	7	PILRB	99933737	rs73401451	7	99981895	C	T	0.175944	-0.0149683	0.00985744	0.128895	0.97218	0.0836443	3.16E-31	-0.0153966	0.0102257	0.1321489	0.6949089	16	0.66341803
ENSG00000078487	7	ZCWPW1	99998449	rs73403312	7	100024153	C	T	0.192843	-0.0194366	0.00961997	0.0433381	0.745	0.0894249	8.02E-17	-0.0260894	0.013287	0.04958529	0.8861765	19	0.5416959
ENSG00000106404	7	CLDN15	100875373	rs1468358	7	100853173	C	T	0.311133	0.00736046	0.00927671	0.427524	0.438847	0.0656563	2.32E-11	0.0167723	0.0212872	0.4307538	0.6713227	14	0.84740447
ENSG00000228049	7	POLR2J2	102277474	rs17132619	7	102390266	A	G	0.898608	0.00091261	0.0140221	0.948108	-1.52193	0.187457	4.71E-16	-0.0005996	0.00921366	0.948109	0.47749	6	0.98571272
ENSG00000177683	7	THAP5	108194987	rs40947	7	108206653	A	G	0.318091	-0.0164758	0.00873205	0.0591848	0.384769	0.0659812	5.49E-09	-0.04282	0.0238526	0.07262353	0.9359478	5	0.58941739

ENSG00000105976	7	MET	116312444	rs42374	7	116444070	C	T	0.44334	-0.0160783	0.00826807	0.0518203	-0.783982	0.106933	2.28E-13	0.0205085	0.0109109	0.06015853	0.6453655	16	0.5699688
ENSG00000196937	7	FAM3C	120988905	rs2707460	7	120986360	G	A	0.17495	-0.0145063	0.0104865	0.166565	-0.496641	0.0886407	2.11E-08	0.0292088	0.0217489	0.1792711	0.2753034	6	0.70330236
ENSG00000230316	7	FEZF1-AS1	121943712	rs11761532	7	121883572	T	C	0.432406	0.0138838	0.00823735	0.0918988	-0.795595	0.101446	4.41E-15	-0.0174508	0.0105901	0.09938471	0.2534891	10	0.61874997
ENSG00000272686	7	RP11-390E23.6	123389122	rs12537072	7	123377213	G	A	0.439364	-0.0018072	0.0080728	0.822861	0.506362	0.0842869	1.88E-09	-0.0035691	0.0159538	0.822982	0.5043769	3	0.96011864
ENSG00000242593	7	RP5-921G16.1	123672259	rs10215793	7	124008463	A	G	0.210736	-0.0063136	0.00954648	0.508384	-0.784932	0.126174	4.94E-10	0.00804352	0.0122307	0.5107631	0.07616475	10	0.87377566
ENSG00000273270	7	RP11-212P7.2	128164070	rs10464538	7	128180387	A	C	0.290258	-0.0111962	0.00900116	0.21355	-0.352274	0.0591756	2.63E-09	0.0317826	0.0261034	0.2233885	0.3822215	5	0.74020581
ENSG00000230715	7	RP11-274B21.4	128292895	rs10464538	7	128180387	A	C	0.290258	-0.0111962	0.00900116	0.21355	0.357982	0.0641404	2.39E-08	-0.0312759	0.025761	0.2247186	0.4285933	4	0.74020581
ENSG00000229413	7	AC018638.1	128293740	rs1450874	7	128336850	A	G	0.291252	-0.0105588	0.00900235	0.24084	0.424909	0.0739986	9.35E-09	-0.0248496	0.021624	0.2504877	0.557536	5	0.75499306
ENSG00000243679	7	RP11-274B21.3	128294023	rs12673048	7	128194712	T	C	0.290258	-0.0112218	0.00900053	0.212473	0.464805	0.0661535	2.12E-12	-0.024143	0.0196666	0.2195915	0.08672225	9	0.74020581
ENSG00000273329	7	RP11-448A19.1	129244389	rs10954247	7	129246450	C	T	0.291252	-0.0097463	0.00858307	0.256155	0.795743	0.0865882	3.93E-20	-0.0122481	0.0108683	0.2597612	0.2767129	20	0.75499306
ENSG00000243317	7	C7orf73	135347244	rs3110823	7	135357476	C	A	0.148111	-0.0103812	0.0106274	0.328655	-0.591862	0.0920376	1.27E-10	0.0175399	0.0181619	0.3341668	0.2844339	11	0.78122171
ENSG00000257093	7	KIAA1147	141356528	rs73171620	7	141398448	T	C	0.0596421	-0.0066279	0.0156923	0.672757	0.578634	0.105323	3.93E-08	-0.0114544	0.0271996	0.6736634	0.2523826	5	0.90615226
ENSG00000228775	7	WEE2-AS1	141404138	rs58726075	7	141503999	A	G	0.467197	-0.0008146	0.00806926	0.919589	0.61904	0.0854569	4.36E-13	-0.0013159	0.0130364	0.9195965	0.9172276	20	0.97711701
ENSG00000127364	7	TAS2R4	141478242	rs7804754	7	141526913	C	T	0.470179	-0.003776	0.00804795	0.638934	0.919092	0.0917073	1.22E-23	-0.0041084	0.008766	0.6393014	0.9153676	20	0.90242996
ENSG00000257335	7	MGAM	141607613	rs11769672	7	141504298	A	G	0.467197	-0.0008302	0.00806956	0.918057	-0.618483	0.0989499	4.09E-10	0.00134233	0.0130491	0.918068	0.959037	11	0.97711701
ENSG00000197362	7	ZNF786	148766735	rs12704073	7	148905067	A	G	0.585487	-0.008499	0.00857116	0.321399	0.562581	0.0964705	5.49E-09	-0.0151072	0.0154541	0.3282945	0.9512055	8	0.77690401
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs2373465	7	149563134	C	T	0.604374	-0.0013951	0.00807664	0.86286	0.470179	0.0738157	1.89E-10	-0.0029672	0.0171841	0.8629104	0.07235424	9	0.97265415
ENSG00000171130	7	ATP6V0E2	149570057	rs4725835	7	149568291	G	A	0.604374	-0.0013388	0.00807255	0.868283	0.436835	0.0532866	2.45E-16	-0.0030647	0.0184834	0.8683097	0.02958283	9	0.97265415
ENSG00000127399	7	LRRC61	150019728	rs11773351	7	150030963	C	T	0.246521	-0.0107296	0.00913912	0.240383	0.868259	0.0894985	2.97E-22	-0.0123576	0.0106026	0.243806	0.8738601	20	0.75354274
ENSG00000261305	7	RP4-584D14.7	150038860	rs3735171	7	150033882	G	A	0.246521	-0.0121046	0.00912697	0.184757	0.616624	0.110632	2.49E-08	-0.0196304	0.0152148	0.1969736	0.2854754	4	0.72334703
ENSG00000196584	7	XRCC2	152341864	rs35545025	7	152376536	T	C	0.200795	0.0212767	0.00960402	0.0267331	0.834339	0.124673	2.20E-11	0.0255013	0.0121253	0.03545266	0.5755487	6	0.47400007
ENSG00000228521	7	AC099552.3	154995857	rs4960697	7	154986332	C	T	0.559642	0.0047561	0.00811368	0.557753	-0.772126	0.104597	1.56E-13	-0.0061598	0.0105413	0.5589893	0.04292249	11	0.88661737
ENSG00000218672	7	AC008060.7	155174771	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	1.01359	0.101788	2.33E-23	-0.0023108	0.00808248	0.7749541	0.5257035	14	0.94264375
ENSG00000260426	7	RP5-912I13.1	155192617	rs4716545	7	155195759	T	G	0.532803	-0.0023422	0.00818894	0.774863	1.06719	0.106935	1.87E-23	-0.0021947	0.00767652	0.7749537	0.6124928	18	0.94264375
ENSG00000117868	7	ESYT2	158523686	rs1869363	7	158519615	C	T	0.207753	-0.0066432	0.00901371	0.461116	0.446356	0.0806185	3.08E-08	-0.0148832	0.0203721	0.4650447	0.1398519	14	0.86231368
ENSG00000223508	8	RPL23AP53	163186	rs2906361	8	163249	C	T	0.668986	-0.005176	0.00835906	0.535778	-0.768774	0.108596	1.45E-12	0.0067328	0.0109147	0.5373316	0.1286111	20	0.87706746
ENSG00000104728	8	ARHGEF10	1772142	rs56367862	8	1757724	G	T	0.181909	-0.000885	0.00999703	0.929462	0.574499	0.0976828	4.07E-09	-0.0015404	0.0174033	0.9294699	0.1552615	6	0.98085615
ENSG00000036448	8	MYOM2	1993155	rs2280902	8	2077072	A	G	0.421471	0.0180721	0.00817414	0.0270433	0.902829	0.116635	9.89E-15	0.0200172	0.00941599	0.03351386	0.9480879	20	0.47400007
ENSG00000155189	8	AGPAT5	6565878	rs2936502	8	6601373	T	A	0.672962	0.00451063	0.00853933	0.597349	-0.405267	0.0619555	6.10E-11	-0.01113	0.0211395	0.5985378	0.5590508	18	0.89456808
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-0.96726	0.1165	1.02E-16	-0.0192297	0.00882419	0.02931674	0.4501544	20	0.46713376
ENSG00000173273	8	TNKS	9413424	rs7827278	8	9471302	T	G	0.157058	0.0313935	0.00923001	0.00067081	-0.468666	0.0677609	4.63E-12	-0.0669848	0.0219467	0.00227203	0.6779093	20	0.22515954
ENSG00000175806	8	MSRA	9911778	rs7833387	8	10009533	A	G	0.450298	0.0243867	0.00815808	0.00279653	0.558081	0.0792681	1.92E-12	0.0436974	0.0158812	0.00593183	0.7502202	20	0.27847518
ENSG00000253678	8	RP11-981G7.3	10335001	rs4128260	8	10335262	C	T	0.684891	0.00983285	0.00866642	0.256546	-0.744549	0.115341	1.08E-10	-0.0132065	0.0118183	0.2637967	0.5864381	20	0.75499306
ENSG00000272505	8	RP11-981G7.6	10344317	rs11993089	8	10009952	T	G	0.388668	0.0229626	0.00811265	0.00464804	0.600177	0.0920216	6.93E-11	0.0382597	0.0147351	0.00941788	0.3591017	20	0.34409357
ENSG00000255020	8	AF131216.5	11203257	rs2736270	8	11192593	A	G	0.520875	0.0147146	0.00825478	0.0746586	0.403329	0.072244	2.37E-08	0.0364829	0.0214845	0.08948925	0.2301208	12	0.61234768
ENSG00000227888	8	FAM66A	12219527	rs4500049	8	11521079	T	A	0.514911	0.0211934	0.00833622	0.0110118	0.825343	0.120636	7.83E-12	0.0256783	0.0107751	0.01716709	0.05247361	20	0.40066373
ENSG00000129422	8	MTUS1	17501304	rs17590021	8	17507299	G	A	0.143141	-0.0027525	0.010088	0.784966	-0.716261	0.0874917	2.69E-16	0.00384291	0.0140921	0.7850835	0.9673943	20	0.94766507
ENSG00000253671	8	RP11-806O11.1	17666450	rs398950	8	17678844	A	G	0.789264	-0.0015509	0.00995036	0.876141	-0.576112	0.0991208	6.17E-09	0.00269201	0.0172778	0.8761846	0.2277834	6	0.97295286
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.832465	0.0920127	1.47E-19	0.00612276	0.0101462	0.5462055	0.2453884	20	0.88309467
ENSG00000156011	8	PSD3	18384811	rs2632848	8	18659780	C	T	0.412525	-0.005391	0.0080894	0.50514	-0.516994	0.0834979	5.95E-10	0.0104275	0.0157374	0.5075887	0.2390746	13	0.87377566
ENSG00000147408	8	CSGALNACT1	19261672	rs10888163	8	19315034	T	G	0.431412	-0.0052088	0.00810189	0.520283	0.367745	0.0650103	1.54E-08	-0.0141641	0.0221731	0.5229552	0.9385861	6	0.87377566
ENSG00000036565	8	SLC18A1	20002366	rs2270638	8	20037017	C	T	0.373757	0.00518094	0.0085683	0.545402	0.784322	0.10499	7.99E-14	0.00660563	0.0109602	0.5467131	0.9948805	8	0.88309467
ENSG00000015592	8	STMN4	27092840	rs10481349	8	27104727	A	G	0.37674	-0.0143537	0.00836965	0.0863515	-1.17638	0.078636	1.34E-50	0.0122016	0.00716135	0.08841641	0.08945848	14	0.61234768
ENSG00000104228	8	TRIM35	27142404	rs10481349	8	27104727	A	G	0.37674	-0.0143537	0.00836965	0.0863515	-0.857011	0.0728087	5.53E-32	0.0167486	0.00986921	0.08968677	0.1331536	20	0.61234768
ENSG00000120915	8	EPHX2	27348296	rs10503812	8	27388199	A	G	0.146123	0.00775844	0.0119818	0.517297	0.904133	0.108048	5.87E-17	0.00858108	0.0132919	0.5185457	0.02248583	13	0.87377566
ENSG00000147419	8	CCDC25	27590835	rs7465373	8	27586427	G	A	0.43837	-0.0230183	0.00806727	0.00432683	0.372135	0.0611517	1.16E-09	-0.0618547	0.023943	0.00978262	0.4382496	11	0.34409357
ENSG00000134014	8	ELP3	27947190	rs1377338	8	27946373	G	T	0.340954	0.00629574	0.00847309	0.457465	0.532689	0.0966856	3.60E-08	0.0118188	0.0160503	0.4615108	0.9685797	7	0.86231368
ENSG00000172728	8	FUT10	33228342	rs6996013	8	33276170	G	A	0.223658	0.00488209	0.00973427	0.615993	0.65412	0.113059	7.22E-09	0.0074636	0.0149373	0.6173127	0.4139682	17	0.90106904
ENSG00000176209	8	SMIM19	42396298	rs73633616	8	42425673	G	A	0.612326	-0.000913	0.00836934	0.913135	-0.384977	0.0677801	1.35E-08	0.00237149	0.0217439	0.9131509	0.379036	4	0.97482371
ENSG00000254081	8	CTD-3025N20.2	66439243	rs57612222	8	66480948	G	C	0.315109	-0.0115912	0.00911219	0.203352	-0.608531	0.0962768	2.60E-10	0.0190478	0.0152743	0.2123791	0.6580887	13	0.72873407
ENSG00000104442	8	ARMC1	66514694	rs60786812	8	66482349	G	T	0.390656	-0.0129048	0.00865959	0.136164	0.496595	0.0678522	2.50E-13	-0.0259866	0.0177958	0.1442164	0.4922509	14	0.67136051
ENSG00000147576	8	ADHFE1	67342420	rs7005366	8	67354250	T	C	0.523857	0.00123103	0.00809885	0.879186	0.623291	0.0704037	8.51E-19	0.00197505	0.0129956	0.8792041	0.8118386	20	0.9733445
ENSG00000221947	8	XKR9	71581600	rs13252719	8	71734569	A	G	0.516899	-0.0149568	0.0080482	0.0631117	0.967839	0.091799	5.47E-26	-0.0154538	0.00844384	0.06722182	0.2229598	8	0.58941739
ENSG00000104369	8	JPH1	75146935	rs2977064	8	75092910	A	C	0.780318	0.0037647	0.00984283	0.702105	-0.870504	0.0754128	7.99E-31	-0.0043247	0.0113133	0.7022599	0.2594209	17	0.90615226
ENSG00000133739	8	LRRCC1	86019382	rs62525429	8	86065020	A	G	0.0904573	0.00653595	0.0127115	0.607128	0.613505	0.074616	2.00E-16	0.0106535	0.0207599	0.6078298	0.4509636	8	0.89474607
ENSG00000253799	8	LINC01030	91605032	rs2105967	8	91587522	G	A	0.34493	0.00610313	0.00865587	0.480756	0.542242	0.0985688	3.77E-08	0.0112554	0.0160937	0.4843242	0.1165466	4	0.86372807
ENSG00000174226	8	SNX31	101585116	rs1693560	8	101680292	G	A	0.469185	-0.0028437	0.00813132	0.726549	1.03817	0.092724	4.25E-29	-0.0027391	0.00783618	0.7266773	0.5498626	20	0.91827118
ENSG00000164924	8	YWHAZ	101928753	rs1470764	8	101950038	A	G	0.586481	-0.0126858	0.00807669	0.116261	-0.332227	0.0574232	7.23E-09	0.0381841	0.0251907	0.1295692	0.2161546	7	0.65828222
ENSG00000254615	8	RP11-395G23.3	107282372	rs4734138	8	107514489	A	G	0.573559	0.0059996	0.00815602	0.461971	0.551212	0.0662705	8.98E-17	0.0108844	0.0148543	0.4637147	0.1457528	17	0.86231368
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.11939	0.14779	3.61E-14	-0.0048247	0.00866471	0.5776501	0.4987953	7	0.88835479
ENSG00000155792	8	DEPTOR	120885957	rs28669275	8	120901953	G	C	0.557654	-0.0072576	0.00806779	0.368347	-0.687188	0.0866834	2.23E-15	0.0105613	0.0118156	0.3714084	0.3685056	20	0.80819058
ENSG00000254343	8	RP11-760H22.2	121064419	rs12541789	8	120958270	C	T	0.409543	-0.0186088	0.00836213	0.0260567	-0.692614	0.0857879	6.83E-16	0.0268675	0.0125235	0.03192402	0.07866325	20	0.47400007
ENSG00000172167	8	MTBP	121457640	rs13255475	8	121468076	C	T	0.691849	-0.0120587	0.0085327	0.157586	-0.62723	0.0943162	2.93E-11	0.0192253	0.0139076	0.1668596	0.9236302	5	0.68522433
ENSG00000156795	8	WDYHV1	124428965	rs6982267	8	124472489	A	G	0.312127	0.00532308	0.00834828	0.523717	-0.639068	0.0880846	4.01E-13	-0.0083294	0.0131136	0.5253126	0.2701802	6	0.87377566
ENSG00000184156	8	KCNQ3	133133108	rs71512326	8	133493283	C	T	0.727634	-2.48E-05	0.00909281	0.997825	-0.504404	0.0788452	1.58E-10	4.91E-05	0.0180268	0.9978246	0.7729667	6	0.99875839
ENSG00000171045	8	TSNARE1	143293441	rs13254630	8	143355014	A	G	0.142147	-0.0002097	0.0117512	0.985762	0.708125	0.112416	2.99E-10	-0.0002962	0.0165949	0.9857618	0.09556477	19	0.99555105
ENSG00000253741	8	CTD-2292P10.4	143783670	rs13272904	8	143782614	C	T	0.459245	0.00419643	0.00812855	0.605674	-0.591423	0.092542	1.65E-10	-0.0070955	0.0137888	0.6068452	0.01174029	8	0.89474607
ENSG00000180155	8	LYNX1	143845752	rs11774823	8	143887568	T	G	0.600398	-0.0090208	0.00836228	0.280703	-0.811994	0.0929172	2.35E-18	0.0111094	0.0103766	0.2843418	0.1137769	20	0.75751795
ENSG00000250571	8	GLI4	144349603	rs72701716	8	144402864	A	G	0.306163	0.0010875	0.00893366	0.903112	0.62281	0.0879108	1.39E-12	0.00174612	0.0143462	0.9031266	0.9247937	20	0.97482371
ENSG00000253716	8	RP13-582O9.5	144362331	rs1063753	8	144362674	G	C	0.485089	0.00194367	0.00809113	0.810158	-0.870952	0.08248	4.59E-26	-0.0022317	0.00929239	0.8102061	0.7591977	20	0.95638064
ENSG00000147813	8	NAPRT1	144656955	rs10282929	8	144681777	T	G	0.799205	-0.0007696	0.00974138	0.93703	1.08862	0.106083	1.05E-24	-0.000707	0.00894864	0.9370317	0.7652139	20	0.98530027
ENSG00000254812	8	RP11-661A12.12	144714241	rs2242085	8	144699424	C	G	0.210736	-0.0052807	0.00993444	0.595034	-0.957563	0.131123	2.82E-13	0.00551473	0.0104022	0.5960063	0.7636738	8	0.89456808
ENSG00000255224	8	CTD-3065J16.9	145132905	rs59976468	8	145170353	A	T	0.0815109	0.00707985	0.0156033	0.650016	-0.743896	0.135154	3.71E-08	-0.0095173	0.0210463	0.6511202	0.3183583	7	0.90478858
ENSG00000179698	8	KIAA1875	145162629	rs7836836	8	145168824	C	T	0.907555	-0.0108124	0.0148811	0.467479	0.816045	0.13299	8.46E-10	-0.0132498	0.018363	0.4705741	0.7803583	13	0.86231368
ENSG00000071894	8	CPSF1	145618444	rs34247131	8	145613959	C	T	0.570577	-0.0012562	0.00807028	0.876299	0.944692	0.0783325	1.72E-33	-0.0013298	0.00854347	0.8763093	0.6192942	19	0.97295286
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	1.17317	0.148529	2.82E-15	0.0106082	0.0149705	0.4785687	0.03929486	6	0.86372807
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407330	9	73986	G	A	0.44831	-0.0014228	0.00842389	0.865875	-0.916518	0.123939	1.42E-13	0.0015524	0.00919359	0.8659095	0.4577905	6	0.97265415
ENSG00000172785	9	CBWD1	121041	rs573246	9	204014	G	A	0.432406	-0.0011171	0.0081247	0.890642	0.552005	0.0991222	2.56E-08	-0.0020237	0.014723	0.8906751	0.1435189	17	0.97482371
ENSG00000099219	9	ERMP1	5765076	rs6476998	9	5737579	G	A	0.94831	0.0149596	0.0223979	0.504198	-0.616679	0.104729	3.90E-09	-0.0242583	0.0365531	0.5069167	0.8462259	6	0.87377566
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	0.988665	0.128001	1.13E-14	-0.000586	0.0111754	0.9581795	0.7650408	7	0.98571272
ENSG00000235448	9	RP11-3L8.3	12700100	rs10960781	9	12762374	A	G	0.605368	0.00733342	0.00838809	0.381973	0.952338	0.096867	8.25E-23	0.00770044	0.00884265	0.3838473	0.1032049	20	0.81211055
ENSG00000153714	9	LURAP1L	12775020	rs10491742	9	12775488	A	G	0.610338	0.00259632	0.00855038	0.761395	0.862832	0.0806105	9.78E-27	0.00300907	0.00991366	0.7614879	0.5983885	20	0.93345412
ENSG00000272871	9	RP11-408A13.4	14588795	rs7859506	9	14603494	A	G	0.627237	0.00530428	0.00827854	0.5217	0.603878	0.103516	5.42E-09	0.00878369	0.0137914	0.5241923	0.5192999	20	0.87377566
ENSG00000215237	9	RP11-54D18.2	14993310	rs1916312	9	15019786	G	A	0.5	-0.0063612	0.00808146	0.431205	1.07407	0.0915724	9.03E-32	-0.0059225	0.00754107	0.4322397	0.3199263	20	0.84740447
ENSG00000164989	9	CCDC171	15552895	rs10962110	9	15658794	A	G	0.468191	0.0210548	0.00805798	0.00897739	0.585436	0.0821145	1.01E-12	0.0359643	0.0146593	0.01415365	0.3272316	20	0.39871484
ENSG00000096872	9	IFT74	26947037	rs72719536	9	26940153	G	A	0.0457256	0.0182663	0.0134844	0.175536	1.48595	0.230146	1.07E-10	0.0122927	0.00927217	0.1849193	0.9824548	5	0.70906142
ENSG00000241043	9	GVQW1	32566787	rs55861725	9	32571299	T	A	0.44831	0.00218188	0.00832416	0.793233	-0.598843	0.0860701	3.46E-12	-0.0036435	0.0139103	0.7933767	0.4812115	10	0.94975557
ENSG00000137074	9	APTX	32972604	rs2183870	9	32994500	G	T	0.49006	0.00296858	0.00812372	0.714797	0.439185	0.0752997	5.46E-09	0.00675929	0.0185335	0.7153308	0.2861158	11	0.91266332
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.377098	0.0618945	1.11E-09	-0.0014887	0.0244489	0.9514483	0.55143	6	0.98571272
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.48535	0.19362	1.70E-14	0.0207305	0.0107888	0.05467002	0.1077882	5	0.55533231
ENSG00000164978	9	NUDT2	34329504	rs2381117	9	34382175	C	T	0.767396	-0.0175106	0.0095877	0.0677954	0.606904	0.0788025	1.34E-14	-0.0288523	0.0162358	0.07555565	0.7646436	17	0.5938469
ENSG00000230074	9	RP11-195F19.9	34665662	rs73501033	9	34672269	T	C	0.138171	0.00881736	0.016815	0.600018	-0.955009	0.132945	6.79E-13	-0.0092328	0.017654	0.600986	0.07877638	16	0.89456808
ENSG00000137103	9	TMEM8B	35814448	rs7022281	9	35851048	T	C	0.60835	-0.012711	0.0081403	0.11841	-0.631783	0.0760534	9.81E-17	0.0201192	0.0131103	0.1248786	0.2750497	20	0.65422783
ENSG00000122696	9	SLC25A51	37879400	rs41278323	9	37879757	C	A	0.153082	-0.0011357	0.0104732	0.913647	1.23468	0.119105	3.53E-25	-0.0009198	0.00848299	0.9136517	0.121327	12	0.97482371
ENSG00000225434	9	RP11-63P12.6	74920346	rs4745183	9	74927609	T	C	0.38668	0.00075969	0.00807062	0.925005	0.864117	0.107978	1.22E-15	0.00087916	0.00934038	0.9250104	0.2141609	9	0.97885729
ENSG00000106733	9	NMRK1	77675489	rs10869500	9	77707695	T	A	0.366799	-0.0057783	0.00889866	0.516118	-1.0151	0.0875664	4.51E-31	0.00569232	0.00878003	0.5167746	0.357545	20	0.87377566
ENSG00000156049	9	GNA14	80037995	rs10781445	9	80149507	G	C	0.583499	0.00319069	0.00815645	0.69566	-0.525099	0.0739304	1.22E-12	-0.0060764	0.0155567	0.6960973	0.00647497	20	0.90615226
ENSG00000254473	9	RP11-522I20.3	86322509	rs3814507	9	86323309	T	C	0.153082	-0.0198815	0.0125198	0.112285	0.556957	0.094029	3.16E-09	-0.0356967	0.0232728	0.1250695	0.9675132	8	0.65422783
ENSG00000165023	9	DIRAS2	93372114	rs10821470	9	93260051	C	T	0.581511	-0.0123151	0.00814279	0.130435	-0.586122	0.081818	7.85E-13	0.0210112	0.0141989	0.1389333	0.316276	12	0.66998905
ENSG00000188312	9	CENPP	95087766	rs7875681	9	95245243	G	A	0.175944	-0.0153929	0.0117424	0.189899	1.14062	0.143421	1.82E-15	-0.0134952	0.0104337	0.1958626	0.8282648	12	0.72334703
ENSG00000185963	9	BICD2	95473645	rs12685080	9	95447472	G	A	0.219682	-0.0036699	0.00972985	0.706043	0.510504	0.0786015	8.31E-11	-0.0071887	0.0190914	0.706514	0.3195342	19	0.90615226
ENSG00000165233	9	C9orf89	95858500	rs1539672	9	95876775	T	C	0.76839	0.00915058	0.00988625	0.354661	0.536308	0.0674274	1.81E-15	0.0170622	0.0185583	0.3578956	0.5349521	11	0.79157371
ENSG00000227603	9	RP11-165J3.6	96197614	rs12335532	9	96193955	G	A	0.154076	0.0243285	0.00985784	0.0135894	0.881346	0.151639	6.17E-09	0.0276038	0.0121515	0.02310891	0.4814164	9	0.41658613
ENSG00000175611	9	LINC00476	98521513	rs591486	9	98650046	G	A	0.440358	0.0144771	0.00808156	0.0732335	0.967764	0.120645	1.04E-15	0.0149593	0.00855645	0.08041048	0.5204239	18	0.60302628
ENSG00000224848	9	RP11-535M15.1	99449338	rs10816667	9	99620270	T	A	0.131213	0.0158058	0.0116689	0.175569	-1.02967	0.164179	3.57E-10	-0.0153504	0.011594	0.1855043	0.04504299	8	0.70970575
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.532293	0.0721665	1.63E-13	0.00167533	0.0152298	0.9124066	0.2865061	8	0.97482371
ENSG00000095383	9	TBC1D2	100961311	rs61182322	9	100950776	G	T	0.354871	0.0146034	0.00836456	0.0808351	0.695033	0.0970392	7.93E-13	0.0210111	0.0123871	0.08984764	0.5201185	20	0.61234768
ENSG00000225376	9	RP11-490D19.6	104230721	rs4742815	9	104230806	C	T	0.238569	0.0063963	0.00929249	0.491245	0.708762	0.113605	4.41E-10	0.00902461	0.0131904	0.4938625	0.4252017	9	0.86830911
ENSG00000136824	9	SMC2	106856541	rs4742904	9	106856952	T	C	0.569583	0.00573733	0.00825194	0.486886	-0.706796	0.0838646	3.52E-17	-0.0081174	0.0117148	0.4883619	0.9235291	15	0.86559655
ENSG00000136783	9	NIPSNAP3A	107509969	rs2417564	9	107512888	C	A	0.175944	-0.0129138	0.00981965	0.188479	-0.549974	0.0734221	6.86E-14	0.0234807	0.0181278	0.1952214	0.6886372	20	0.72334703
ENSG00000226334	9	RP11-217B7.2	107689834	rs1800977	9	107690450	A	G	0.373757	-0.0052229	0.00815702	0.521984	-0.666336	0.122138	4.88E-08	0.00783818	0.0123256	0.524825	0.6765536	4	0.87377566
ENSG00000119326	9	CTNNAL1	111704851	rs12343956	9	111774463	G	T	0.0864811	0.0043906	0.0127403	0.730379	0.811699	0.141801	1.04E-08	0.00540915	0.0157243	0.7308462	0.09627303	6	0.91827118
ENSG00000260230	9	FRRS1L	111892573	rs2176692	9	111927723	A	G	0.246521	-0.0075088	0.00930316	0.419593	0.419729	0.0743475	1.65E-08	-0.0178897	0.0223901	0.4242884	0.2573685	6	0.84402758
ENSG00000136813	9	KIAA0368	114122972	rs314445	9	114099875	G	T	0.516899	-0.0106889	0.00806084	0.184831	0.62254	0.0916563	1.10E-11	-0.0171698	0.0131928	0.1931019	0.1646859	11	0.72334703
ENSG00000106853	9	PTGR1	114312002	rs111549193	9	114353775	A	G	0.171968	0.00014747	0.0106925	0.988996	-0.571593	0.104053	3.94E-08	-0.000258	0.0187066	0.9889962	0.00517286	4	0.99755759
ENSG00000204173	9	LRRC37A5P	114353872	rs2093458	9	114385930	G	A	0.32505	-0.0183144	0.00831482	0.027621	-0.615875	0.101044	1.09E-09	0.0297372	0.0143553	0.03831124	0.02617166	10	0.47400007
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.527812	0.067864	7.40E-15	-0.0018566	0.0168552	0.9122886	0.02681429	20	0.97482371
ENSG00000106868	9	SUSD1	114803065	rs700106	9	114920333	G	A	0.646123	-0.0066095	0.00812947	0.416202	0.451759	0.0791317	1.14E-08	-0.0146306	0.0181767	0.4208726	0.9027327	5	0.84130138
ENSG00000176386	9	CDC26	116018115	rs10981712	9	116046126	C	G	0.280318	-0.0043153	0.00886331	0.626347	-0.574249	0.0836896	6.81E-12	0.00751472	0.0154734	0.6272129	0.7649844	8	0.90242996
ENSG00000226752	9	PSMD5-AS1	123587106	rs13299616	9	123594803	C	T	0.590457	0.0088301	0.0081614	0.279281	-1.01636	0.0749026	6.11E-42	-0.008688	0.00805551	0.2808056	0.6037957	20	0.75707947
ENSG00000056558	9	TRAF1	123664671	rs2900180	9	123706382	C	T	0.640159	0.012178	0.00811195	0.133294	0.682282	0.0824126	1.24E-16	0.0178489	0.0120833	0.1396348	0.7617627	16	0.66998905
ENSG00000119397	9	CNTRL	123837141	rs10818513	9	123929710	G	A	0.707753	0.0131113	0.00841387	0.119164	-0.443919	0.0785555	1.59E-08	-0.0295353	0.019661	0.1330384	0.6592431	6	0.66467276
ENSG00000227355	9	RP11-162D16.2	124137519	rs7029360	9	124281184	G	A	0.486083	0.00498709	0.00815826	0.541006	-0.821935	0.121794	1.49E-11	-0.0060675	0.00996631	0.5426565	0.6922622	13	0.87984932
ENSG00000228392	9	RP11-343J18.1	129032400	rs12348889	9	129039327	C	T	0.323062	-0.0078308	0.00899981	0.384245	0.541138	0.0916042	3.48E-09	-0.0144709	0.0168107	0.3893404	0.6541328	5	0.81252804
ENSG00000197958	9	RPL12	130209953	rs7035039	9	130187473	C	G	0.634195	0.00762586	0.00860092	0.375276	0.281466	0.0444744	2.47E-10	0.0270934	0.030856	0.3799122	0.4630167	10	0.81204283
ENSG00000228510	9	RP11-339B21.8	131206866	rs2807622	9	131200607	G	T	0.762425	0.00365179	0.0093761	0.696922	0.677556	0.110257	7.98E-10	0.00538965	0.0138659	0.6974991	0.644835	9	0.90615226
ENSG00000175287	9	PHYHD1	131683174	rs3866886	9	131758519	C	T	0.430417	-0.0011282	0.00826567	0.891431	-0.313669	0.0574023	4.64E-08	0.00359682	0.0263598	0.8914648	0.8747315	4	0.97482371
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.19278	0.180729	4.12E-11	0.0113458	0.0124156	0.3608045	0.1021366	19	0.79157371
ENSG00000130717	9	UCK1	134399188	rs4076428	9	134353724	T	C	0.367793	-0.0053672	0.00851928	0.528695	-0.475614	0.068231	3.15E-12	0.0112847	0.0179852	0.5303689	0.162836	14	0.87654689
ENSG00000148296	9	SURF6	136197552	rs886090	9	136199503	A	G	0.356859	-0.0034593	0.00807883	0.66851	-0.553231	0.0872313	2.27E-10	0.0062529	0.0146362	0.6692187	0.1436784	10	0.90615226
ENSG00000148290	9	SURF1	136218610	rs3124747	9	136268084	A	G	0.311133	-0.0007017	0.00950265	0.941135	-0.674805	0.0801251	3.70E-17	0.00103987	0.0140826	0.9411372	0.311423	20	0.98530027
ENSG00000160323	9	ADAMTS13	136279478	rs9645009	9	136211248	G	A	0.488072	-0.009072	0.00809142	0.262208	0.384951	0.069182	2.63E-08	-0.0235666	0.0214418	0.2717255	0.2075977	10	0.7563295
ENSG00000225756	9	DBH-AS1	136519708	rs2097628	9	136519702	G	A	0.409543	0.0190609	0.00840071	0.0232707	-0.38674	0.0703307	3.82E-08	-0.0492861	0.0234984	0.03595588	0.5257678	3	0.47400007
ENSG00000160360	9	GPSM1	139221932	rs28721414	9	139239867	G	C	0.390656	0.0041967	0.00816197	0.607128	-0.404529	0.0740244	4.63E-08	-0.0103743	0.0202656	0.6087095	0.9417149	3	0.8952823
ENSG00000148384	9	INPP5E	139323071	rs10781539	9	139320965	A	G	0.421471	-0.0033709	0.00849471	0.691497	-0.474175	0.0626885	3.91E-14	0.007109	0.0179394	0.6918987	0.7277065	11	0.90615226
ENSG00000130653	9	PNPLA7	140354404	rs10746563	9	140444078	C	T	0.447316	0.00739088	0.00829792	0.373095	0.477215	0.0836281	1.15E-08	0.0154875	0.0175988	0.3788403	0.02367876	11	0.81174572
ENSG00000232656	10	IDI2-AS1	1068606	rs2892254	10	1098002	G	T	0.238569	-0.0039293	0.0102467	0.701373	0.64313	0.0986399	7.03E-11	-0.0061096	0.0159601	0.7018641	0.2203511	10	0.90615226
ENSG00000205696	10	ADARB2-AS1	1568832	rs10903552	10	1763798	G	A	0.661034	0.0106207	0.00835762	0.203805	-0.818576	0.11109	1.72E-13	-0.0129746	0.0103607	0.2104628	0.3783396	8	0.72873407
ENSG00000187134	10	AKR1C1	4934796	rs56136181	10	5020919	T	C	0.131213	-0.0040718	0.0119969	0.734309	-0.840754	0.118114	1.09E-12	0.00484297	0.0142854	0.7345984	0.5466096	12	0.91827118
ENSG00000151632	10	AKR1C2	5029967	rs67362530	10	5043504	A	G	0.131213	-0.0031119	0.0120072	0.795503	1.02727	0.118347	3.95E-18	-0.0030293	0.0116937	0.7955923	0.5169479	15	0.95013363
ENSG00000134463	10	ECHDC3	11784365	rs10906019	10	11839030	A	T	0.451292	-0.0034899	0.00819368	0.670165	-0.615329	0.109758	2.07E-08	0.00567153	0.0133543	0.6710575	0.2746587	6	0.90615226
ENSG00000065665	10	SEC61A2	12171636	rs11257569	10	12193644	G	C	0.518887	-0.0103864	0.00811247	0.200439	0.291152	0.0530777	4.13E-08	-0.0356735	0.0286122	0.2124743	0.7877548	3	0.72873407
ENSG00000165996	10	PTPLA	17631958	rs145389876	10	17683095	T	C	0.026839	-0.008273	0.0240873	0.731254	-1.57244	0.197834	1.89E-15	0.00526124	0.0153327	0.7314944	0.9826637	20	0.91827118
ENSG00000240291	10	RP11-499P20.2	18802044	rs7098721	10	18884437	T	C	0.576541	-0.0003745	0.00820064	0.96358	0.488201	0.074138	4.55E-11	-0.000767	0.0167981	0.963581	0.3315719	20	0.98571272
ENSG00000241058	10	NSUN6	18834490	rs7071897	10	18933802	A	G	0.537773	-0.0090923	0.00805408	0.258936	0.494272	0.0742228	2.75E-11	-0.0183954	0.0165273	0.2656961	0.06255798	20	0.75499306
ENSG00000150867	10	PIP4K2A	22823778	rs10047326	10	22839463	A	C	0.627237	0.00407633	0.00833672	0.624869	0.336523	0.052312	1.25E-10	0.0121131	0.0248446	0.6258654	0.7201908	18	0.90242996
ENSG00000120539	10	MASTL	27443753	rs882474	10	27477865	T	G	0.602386	0.00532259	0.00850032	0.531207	0.675396	0.0932528	4.40E-13	0.00788069	0.0126326	0.532735	0.442636	20	0.87706746
ENSG00000230445	10	LRRC37A6P	27535279	rs7895094	10	27569267	T	G	0.505964	0.00407255	0.00807351	0.613957	0.446617	0.0690048	9.65E-11	0.00911866	0.0181319	0.6150286	0.6688934	18	0.89849006
ENSG00000224597	10	PTCHD3P1	29698331	rs10082484	10	29715461	T	C	0.38171	-0.012678	0.00806736	0.116064	0.771204	0.0777233	3.33E-23	-0.0164392	0.0105911	0.1206214	0.00386874	20	0.65237472
ENSG00000273038	10	RP11-479G22.8	33176189	rs2505391	10	32714751	T	C	0.552684	0.0036455	0.00819822	0.656558	0.554451	0.097225	1.18E-08	0.00657497	0.0148311	0.6575314	0.7390333	9	0.90478858
ENSG00000233200	10	RP11-324I22.2	35508822	rs35323313	10	35566223	T	C	0.319085	0.00402552	0.00903633	0.655972	0.768408	0.110036	2.88E-12	0.00523878	0.0117837	0.6566247	0.8794374	13	0.90478858
ENSG00000271335	10	RP11-324I22.4	35603480	rs34595797	10	35581496	C	T	0.341948	0.00151072	0.00888801	0.865032	0.483419	0.0803759	1.80E-09	0.00312507	0.0183931	0.8650849	0.9416315	11	0.97265415

ENSG00000272983	10	RP11-508N22.12	38426265	rs118158511	10	37803153	T	C	0.0139165	0.0159141	0.0737958	0.82926	2.14256	0.343955	4.69E-10	0.00742761	0.0344634	0.8293609	0.997172	16	0.9649028
ENSG00000215146	10	RP11-313J2.1	42827314	rs4612752	10	42749512	C	T	0.447316	0.012714	0.00805594	0.114518	0.698085	0.0964429	4.54E-13	0.0182127	0.0118112	0.1230767	0.914923	20	0.65422783
ENSG00000169826	10	CSGALNACT2	43633934	rs2742240	10	43624317	T	A	0.823062	-0.0071117	0.00999929	0.476948	-0.962994	0.0969817	3.09E-23	0.00738499	0.0104101	0.4780744	0.08688309	20	0.86372807
ENSG00000165406	10	8-Mar	45950035	rs7900977	10	45939136	C	T	0.765408	0.00023093	0.0100239	0.98162	-0.378675	0.0666219	1.32E-08	-0.0006098	0.0264712	0.9816199	0.6778674	7	0.99305403
ENSG00000172661	10	FAM21C	46222648	rs139616278	10	46206463	T	C	0.200795	0.0100539	0.01021	0.324763	-0.791877	0.14061	1.78E-08	-0.0126963	0.013089	0.332049	0.04343993	7	0.78122171
ENSG00000188234	10	AGAP4	46321042	rs2279435	10	45923528	A	C	0.558648	0.00046839	0.00813579	0.95409	0.916055	0.131395	3.13E-12	0.00051131	0.00888164	0.9540915	0.3793819	18	0.98571272
ENSG00000251079	10	BMS1P2	47228366	rs150648084	10	49205171	C	T	0.7833	0.0277651	0.0106133	0.00889529	0.74545	0.1283	6.24E-09	0.0372461	0.0156141	0.01705958	0.01932355	3	0.40066373
ENSG00000204149	10	AGAP6	51748078	rs35489760	10	51778109	T	C	0.272366	0.00388519	0.00958369	0.685187	-0.504287	0.0777546	8.84E-11	-0.0077043	0.0190415	0.6857669	0.7246782	9	0.90615226
ENSG00000188611	10	ASAH2	51942538	rs4445583	10	52503009	A	G	0.836978	-0.0049777	0.0095674	0.602868	0.65122	0.116208	2.10E-08	-0.0076437	0.0147547	0.604421	0.5943991	9	0.89474607
ENSG00000183346	10	C10orf107	63422719	rs12765373	10	63432048	A	T	0.0854871	-0.0191766	0.0112911	0.0894376	0.971177	0.117454	1.36E-16	-0.0197457	0.0118689	0.09618243	0.3978808	7	0.61532078
ENSG00000138346	10	DNA2	70173821	rs117014036	10	70388843	T	C	0.0506958	-0.0252158	0.0169315	0.136413	-1.34105	0.158246	2.36E-17	0.018803	0.012819	0.142429	0.4574969	20	0.67136051
ENSG00000099282	10	TSPAN15	71211229	rs10823398	10	71270363	A	C	0.446322	0.00470692	0.00822371	0.567078	0.284931	0.0459011	5.38E-10	0.0165195	0.0289845	0.568717	0.651414	7	0.88725573
ENSG00000079332	10	SAR1A	71907045	rs10159731	10	71926620	A	G	0.442346	0.0014846	0.00805933	0.85385	0.435575	0.0644723	1.42E-11	0.00340837	0.0185096	0.8539033	0.1529992	12	0.97265415
ENSG00000138316	10	ADAMTS14	72432559	rs11596281	10	72433137	C	T	0.514911	-0.0027012	0.0080866	0.73835	0.673735	0.0822496	2.58E-16	-0.0040094	0.0120126	0.7385594	0.3436159	20	0.91827118
ENSG00000166321	10	NUDT13	74870217	rs140285343	10	75132726	A	G	0.055666	0.00051334	0.0186392	0.978029	-1.25628	0.203084	6.17E-10	-0.0004086	0.014837	0.9780288	0.9757792	4	0.99144383
ENSG00000244733	10	RP11-506M13.3	81420647	rs2266545	10	81436156	T	C	0.408549	0.00598725	0.00815065	0.462599	-0.650819	0.10627	9.11E-10	-0.0091996	0.0126134	0.4657904	0.9246987	20	0.86231368
ENSG00000188199	10	NUTM2B	81462983	rs148216479	10	81568917	C	T	0.586481	-0.0042664	0.00824182	0.6047	0.667286	0.108988	9.21E-10	-0.0063937	0.0123953	0.6059847	0.7829595	7	0.89474607
ENSG00000225484	10	RP11-773D16.1	81563813	rs7921005	10	81517762	A	G	0.315109	0.00421518	0.0089999	0.639529	-0.890705	0.100608	8.50E-19	-0.0047324	0.0101184	0.6399959	0.7720207	20	0.90242996
ENSG00000228570	10	NUTM2E	81601114	rs7921725	10	81588553	C	T	0.724652	-0.01019	0.00858597	0.235301	-0.930197	0.10149	4.94E-20	0.0109547	0.00930733	0.2391982	0.9920445	20	0.74672726
ENSG00000133661	10	SFTPD	81697496	rs7903576	10	81741142	G	A	0.599404	0.0158471	0.00817244	0.0524904	0.577423	0.0849365	1.06E-11	0.0274445	0.0147178	0.06222076	0.9279705	20	0.57795433
ENSG00000122359	10	ANXA11	81910645	rs9645553	10	81949685	C	T	0.238569	0.0100429	0.00965817	0.298416	-0.472698	0.0599286	3.08E-15	-0.0212459	0.0206088	0.3025807	0.5898669	20	0.76092064
ENSG00000184923	10	NUTM2A	88985205	rs2478639	10	89093624	T	G	0.813121	-0.0060517	0.0106655	0.570432	0.740116	0.114033	8.56E-11	-0.0081768	0.0144655	0.5718992	0.9035162	4	0.88725573
ENSG00000232229	10	LINC00865	91589267	rs12763878	10	91596427	C	G	0.151093	-0.0089447	0.0110858	0.419746	0.971528	0.095884	3.97E-24	-0.0092069	0.0114468	0.4212131	0.7393943	20	0.84130138
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.892642	0.117837	3.58E-14	-0.0014246	0.00976799	0.8840473	0.8688229	7	0.97445788
ENSG00000148690	10	FRA10AC1	95427640	rs1998840	10	95460373	G	T	0.132207	-0.0175233	0.0146115	0.230419	0.74181	0.0938527	2.70E-15	-0.0236224	0.0199225	0.2357368	0.9558799	19	0.7431485
ENSG00000173145	10	NOC3L	96075004	rs12766693	10	96058730	T	C	0.207753	0.00246739	0.0107616	0.818654	0.61052	0.108908	2.07E-08	0.00404146	0.0176417	0.8188023	0.7043524	8	0.95999913
ENSG00000119943	10	PYROXD2	100143322	rs1061437	10	100176154	T	C	0.235586	-0.0078533	0.00980277	0.423054	0.663311	0.0696096	1.59E-21	-0.0118396	0.0148307	0.4246863	0.906036	14	0.84402758
ENSG00000095485	10	CWF19L1	101992055	rs34955138	10	102039187	G	T	0.427435	-0.0058233	0.00853518	0.49507	0.657279	0.0782912	4.65E-17	-0.0088597	0.0130284	0.4964887	0.02242912	20	0.86833637
ENSG00000196072	10	BLOC1S2	102033713	rs12765052	10	102048979	T	G	0.0487078	0.0174694	0.018279	0.33922	-0.955718	0.0939026	2.49E-24	-0.0182788	0.0192101	0.341339	0.00224422	13	0.78634727
ENSG00000075290	10	WNT8B	102222798	rs4559620	10	102199935	T	C	0.212724	0.0263529	0.0095768	0.00592789	0.920609	0.14434	1.79E-10	0.0286255	0.0113296	0.01151658	0.3099415	6	0.35721963
ENSG00000138111	10	TMEM180	104221149	rs715440	10	104258095	T	A	0.570577	0.00826865	0.00807241	0.305689	-0.626668	0.110172	1.28E-08	-0.0131946	0.0130887	0.3134089	0.609858	12	0.76582138
ENSG00000138107	10	ACTR1A	104238986	rs5870	10	104239100	C	T	0.569583	0.00863673	0.00807235	0.284658	-0.378867	0.0529472	8.33E-13	-0.0227962	0.0215434	0.2899861	0.4501609	20	0.76092064
ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.65072	0.076665	2.11E-17	0.00576995	0.0151154	0.702664	0.2901227	20	0.90615226
ENSG00000214435	10	AS3MT	104629273	rs7085104	10	104628873	G	A	0.349901	-0.0166793	0.00860744	0.0526502	-0.659088	0.0796633	1.30E-16	0.0253066	0.013413	0.05919833	0.1768868	20	0.56834621
ENSG00000065621	10	GSTO2	106028631	rs1865926	10	106042502	T	G	0.308151	-0.0247387	0.00922185	0.00730483	-0.759534	0.110237	5.58E-12	0.0325709	0.0130293	0.01242556	0.2252252	11	0.36910956
ENSG00000232934	10	RP11-324O2.3	114165977	rs7917309	10	114122072	T	C	0.257455	0.023294	0.00929677	0.0122242	0.66125	0.10922	1.41E-09	0.0352272	0.0152158	0.02060378	0.8541151	8	0.41658613
ENSG00000165806	10	CASP7	115438942	rs7918733	10	115439394	T	C	0.39662	0.00469551	0.00841353	0.576782	0.462388	0.07217	1.48E-10	0.0101549	0.0182647	0.5782211	0.3022141	7	0.88835479
ENSG00000165650	10	PDZD8	119040000	rs181440	10	119103471	C	A	0.500994	0.00713129	0.00806026	0.376294	0.515208	0.0622326	1.24E-16	0.0138416	0.0157338	0.3790016	0.4205238	14	0.81174572
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.709424	0.0813723	2.83E-18	0.0156434	0.0116349	0.1787797	0.5186292	17	0.70330236
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-0.965999	0.0855245	1.39E-29	-0.0031259	0.00869491	0.7192139	0.1774563	20	0.91266332
ENSG00000107902	10	LHPP	126150403	rs113420616	10	126293897	T	G	0.290258	-0.0031818	0.00882094	0.71832	0.417304	0.0611116	8.58E-12	-0.0076245	0.0211674	0.7186961	0.8236242	20	0.91266332
ENSG00000170430	10	MGMT	131265448	rs7905095	10	131448143	A	G	0.43837	0.0128126	0.00807981	0.112795	-0.52559	0.0641454	2.53E-16	-0.0243776	0.0156581	0.1195021	0.7945589	20	0.65237472
ENSG00000188385	10	JAKMIP3	133918175	rs954819	10	133957489	A	G	0.305169	0.00945554	0.00875163	0.27995	0.593151	0.0699803	2.33E-17	0.0159412	0.0148739	0.283828	0.01229129	12	0.75731065
ENSG00000235010	10	RP11-140A10.3	133994729	rs2814165	10	133994747	C	T	0.804175	-0.008703	0.0101878	0.392962	-0.6218	0.106011	4.48E-09	0.0139965	0.0165572	0.3979214	0.5475187	9	0.819932
ENSG00000148824	10	MTG1	135207598	rs2297031	10	135232654	T	C	0.222664	-0.0004777	0.010111	0.962318	1.00721	0.108172	1.26E-20	-0.0004743	0.0100388	0.9623183	0.4081408	14	0.98571272
ENSG00000185627	11	PSMD13	236546	rs10794304	11	246456	A	G	0.729622	-0.0042488	0.00944205	0.65272	-0.592815	0.0758874	5.64E-15	0.00716716	0.0159539	0.6532569	0.937889	12	0.90478858
ENSG00000142102	11	ATHL1	289135	rs7110174	11	296203	G	A	0.737575	-0.0127667	0.00910254	0.160754	0.549715	0.0672577	3.00E-16	-0.0232242	0.0168007	0.1668681	0.01765178	12	0.68522433
ENSG00000251661	11	RP11-326C3.11	318640	rs11246067	11	326564	T	A	0.417495	0.00697197	0.00808765	0.388659	-0.567962	0.0948493	2.12E-09	-0.0122754	0.0143866	0.393518	0.76206	8	0.81671789
ENSG00000255328	11	RP11-326C3.12	327171	rs6598042	11	324635	A	G	0.419483	0.00660631	0.00809749	0.414588	0.908327	0.111047	2.85E-16	0.00727305	0.00895896	0.4168957	0.7006903	17	0.84130138
ENSG00000185187	11	SIGIRR	405716	rs4074794	11	409815	A	G	0.176938	0.0038792	0.0115369	0.736689	-0.630966	0.107339	4.15E-09	-0.006148	0.0183144	0.7371016	0.2372784	4	0.91827118
ENSG00000174775	11	HRAS	532242	rs35579818	11	545087	C	T	0.380716	0.00262387	0.00879724	0.765503	-0.324956	0.0479653	1.25E-11	-0.0080745	0.0270983	0.7657246	0.767186	20	0.93468983
ENSG00000177042	11	TMEM80	695428	rs9667500	11	683761	A	G	0.571571	-8.21E-05	0.00805789	0.991873	-0.907577	0.0984932	3.12E-20	9.04E-05	0.00887847	0.9918726	0.658796	20	0.99759941
ENSG00000255284	11	AP006621.5	777578	rs7104929	11	784340	G	C	0.445328	0.0004775	0.00809258	0.952948	0.704897	0.0884085	1.55E-15	0.0006774	0.0114808	0.9529498	0.3384918	16	0.98571272
ENSG00000177697	11	CD151	832843	rs28558789	11	829539	G	A	0.66998	-0.0102329	0.00977211	0.295031	0.561781	0.0666446	3.47E-17	-0.0182151	0.0175286	0.2987275	0.1189779	11	0.76092064
ENSG00000130592	11	LSP1	1874200	rs907612	11	1874221	T	C	0.385686	-0.008458	0.00829927	0.308146	0.481396	0.0801675	1.91E-09	-0.0175697	0.0174865	0.315015	0.6283415	4	0.76582138
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.938159	0.116705	9.08E-16	-0.0005429	0.0116321	0.9627718	0.7348302	6	0.98571272
ENSG00000110665	11	C11orf21	2316875	rs2651837	11	2317914	A	G	0.388668	-0.0091121	0.00829296	0.271865	-0.705928	0.0813633	4.09E-18	0.012908	0.0118414	0.2756818	0.6119162	12	0.75678055
ENSG00000064201	11	TSPAN32	2323227	rs2234290	11	2323619	T	G	0.486083	0.00872357	0.008276	0.291846	0.526549	0.0862119	1.01E-09	0.0165674	0.0159498	0.2989329	0.6926842	7	0.76092064
ENSG00000183562	11	AC131971.1	3011093	rs17687673	11	3073171	C	T	0.0914513	0.0160354	0.0154738	0.300065	1.10725	0.162002	8.21E-12	0.0144822	0.0141347	0.3055597	0.9753278	12	0.76092064
ENSG00000132259	11	CNGA4	6255995	rs77094397	11	6256668	G	A	0.0188867	0.0261372	0.0225678	0.246797	1.71254	0.289875	3.47E-09	0.0152622	0.0134288	0.2557347	0.00145193	5	0.75499306
ENSG00000166436	11	TRIM66	8633584	rs2036422	11	8709337	A	G	0.37674	-0.0032264	0.00817166	0.692971	0.500603	0.0788127	2.13E-10	-0.006445	0.0163551	0.6935322	0.2549932	13	0.90615226
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	1.08482	0.122423	7.91E-19	0.0106865	0.00962966	0.2671085	0.2048687	9	0.75499306
ENSG00000175356	11	SCUBE2	9041071	rs4910439	11	9114411	T	C	0.311133	0.00401007	0.00906046	0.658062	-0.503971	0.0837115	1.74E-09	-0.007957	0.0180267	0.6589242	0.6063782	15	0.90549947
ENSG00000133805	11	AMPD3	10329860	rs11042811	11	10473889	T	C	0.456262	-0.0090229	0.00813932	0.267623	0.665439	0.0818118	4.16E-16	-0.0135593	0.0123446	0.2720309	0.5442817	16	0.7563295
ENSG00000166796	11	LDHC	18433854	rs116197547	11	18437004	G	A	0.115308	0.0310753	0.0137691	0.0240154	1.6338	0.163879	2.07E-23	0.0190203	0.0086409	0.02772261	0.6908745	13	0.4630209
ENSG00000171714	11	ANO5	22214722	rs11026488	11	22297770	C	G	0.206759	-0.0094222	0.0103413	0.362229	0.916477	0.107456	1.48E-17	-0.0102809	0.011348	0.3649506	0.7512184	14	0.79838689
ENSG00000085063	11	CD59	33719807	rs11608235	11	33817988	G	A	0.198807	-0.0014241	0.00927791	0.878006	-0.365716	0.065206	2.04E-08	0.00389411	0.0253787	0.8780509	0.3858658	17	0.97295286
ENSG00000149089	11	APIP	34874641	rs3852516	11	34964491	G	A	0.328032	0.00359698	0.00922847	0.696707	0.84034	0.0657054	1.88E-37	0.00428039	0.0109869	0.6968405	0.1369094	19	0.90615226
ENSG00000149084	11	HSD17B12	43577986	rs57635800	11	43878485	A	G	0.303181	0.0046287	0.00878739	0.598372	-0.666021	0.0612261	1.47E-27	-0.0069498	0.0132093	0.5988	0.2548652	20	0.89456808
ENSG00000110455	11	ACCS	44087475	rs2074038	11	44087989	T	G	0.120278	-0.0112831	0.0145612	0.438414	1.15923	0.149821	1.01E-14	-0.0097333	0.0126239	0.4406965	0.3595077	19	0.85434132
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	1.1289	0.154133	2.40E-13	-0.0067993	0.00966485	0.4817397	0.3582985	14	0.86372807
ENSG00000086205	11	FOLH1	49168187	rs595234	11	49201668	G	C	0.275348	0.00752592	0.00863471	0.383433	0.370331	0.0676143	4.32E-08	0.0203221	0.0236096	0.389371	0.6170969	8	0.81252804
ENSG00000134809	11	TIMM10	57295936	rs2848641	11	57263068	C	G	0.694831	0.00096618	0.00879006	0.912475	-0.470849	0.0780872	1.64E-09	-0.002052	0.0186716	0.9124891	0.5290967	9	0.97482371
ENSG00000166928	11	MS4A14	60146003	rs4939353	11	60173554	G	A	0.730616	-0.0156758	0.00864078	0.0696514	0.447373	0.0786452	1.28E-08	-0.0350397	0.0202729	0.08391717	0.3579496	14	0.61234768
ENSG00000167994	11	RAB3IL1	61664773	rs739789	11	61684969	A	G	0.497018	-0.0123662	0.00842862	0.142331	-0.797207	0.0960306	1.03E-16	0.0155119	0.0107365	0.1485203	0.1346391	12	0.67136051
ENSG00000162174	11	ASRGL1	62104920	rs74692811	11	62156572	A	G	0.116302	0.00017933	0.0152543	0.99062	0.764057	0.112796	1.25E-11	0.00023471	0.0199649	0.9906201	0.5722024	6	0.99755759
ENSG00000149489	11	ROM1	62379194	rs597259	11	62430659	A	T	0.729622	0.0125788	0.00962523	0.191262	-0.481087	0.083917	9.87E-09	-0.0261466	0.0205205	0.202603	0.5300156	7	0.72873407
ENSG00000149541	11	B3GAT3	62382768	rs693698	11	62438819	T	G	0.729622	0.0123416	0.00962183	0.199609	-0.347545	0.057518	1.52E-09	-0.0355108	0.028302	0.2095847	0.6871504	7	0.72873407
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-0.875261	0.10985	1.62E-15	0.0142699	0.0102746	0.1648767	0.1169177	12	0.68351033
ENSG00000245532	11	NEAT1	65190245	rs613316	11	65195255	A	G	0.750497	-0.0038403	0.0108369	0.723059	-0.597664	0.0961035	5.00E-10	0.0064255	0.0181615	0.7234905	0.4579555	4	0.91663238
ENSG00000172803	11	SNX32	65601112	rs11227332	11	65623739	G	A	0.190855	0.00022982	0.0113253	0.98381	0.663678	0.101107	5.23E-11	0.00034628	0.0170645	0.9838104	0.3193602	11	0.99469072
ENSG00000255320	11	RP11-755F10.1	66012311	rs2155198	11	66014300	T	C	0.173956	-0.0295182	0.0105816	0.00527764	1.3688	0.138469	4.82E-23	-0.021565	0.00803248	0.0072589	0.05381017	15	0.31290184
ENSG00000175634	11	RPS6KB2	67195931	rs1626067	11	67192555	A	G	0.355865	0.00121346	0.00854348	0.887054	-0.408826	0.0735566	2.73E-08	-0.0029682	0.0209044	0.8870902	0.9124634	3	0.97445788
ENSG00000084207	11	GSTP1	67351066	rs4930444	11	67342580	A	G	0.411531	0.00208487	0.00848228	0.805844	-0.354567	0.0629734	1.80E-08	-0.0058801	0.0239457	0.8060249	0.01868053	7	0.95531805
ENSG00000231793	11	DOC2GP	67380124	rs1551884	11	67399601	G	C	0.331014	0.0239713	0.00855618	0.00508452	-0.500798	0.0910131	3.74E-08	-0.0478662	0.0191722	0.0125374	0.2076044	4	0.36910956
ENSG00000006534	11	ALDH3B1	67776048	rs572574	11	67778488	A	C	0.450298	-0.0051367	0.00812299	0.527147	-0.449766	0.0821401	4.36E-08	0.0114208	0.0181805	0.5298793	0.4128349	5	0.87654689
ENSG00000171067	11	C11orf24	68028803	rs1979579	11	68037885	T	C	0.555666	0.0074441	0.00806859	0.356215	0.421527	0.0589666	8.77E-13	0.0176598	0.0193001	0.3601847	0.3390077	6	0.79157371
ENSG00000197345	11	MRPL21	68658744	rs2444765	11	68655063	A	C	0.300199	-0.0082148	0.00832727	0.323894	-0.814755	0.0743347	5.91E-28	0.0100825	0.0102619	0.3258455	0.5065298	20	0.77488901
ENSG00000132740	11	IGHMBP2	68671310	rs595882	11	68656769	C	T	0.299205	-0.0081484	0.00832712	0.327806	0.773252	0.0956153	6.11E-16	-0.0105379	0.0108475	0.3313209	0.5416165	15	0.78122171
ENSG00000254682	11	RP11-660L16.2	71159720	rs3794060	11	71187679	T	C	0.700795	0.00714827	0.00824939	0.386204	0.896282	0.0781361	1.85E-30	0.00797547	0.00923024	0.3875554	0.4189823	20	0.81252804
ENSG00000244411	11	KRTAP5-7	71238313	rs12808183	11	71228117	G	A	0.764414	0.00549528	0.00857805	0.52177	0.534082	0.0978329	4.78E-08	0.0102892	0.0161715	0.5246101	0.851663	3	0.87377566
ENSG00000254997	11	KRTAP5-9	71259466	rs11234027	11	71234107	A	G	0.191849	-0.0062493	0.00907094	0.490865	1.03448	0.161981	1.70E-10	-0.006041	0.00881947	0.493369	0.5356171	4	0.86830911
ENSG00000158483	11	FAM86C1	71498556	rs10898583	11	71495700	G	A	0.568588	-0.0044408	0.00844416	0.598957	-0.664597	0.112337	3.30E-09	0.00668193	0.0127558	0.6003932	0.6326096	9	0.89456808
ENSG00000186642	11	PDE2A	72287185	rs12362256	11	72368654	T	C	0.518887	-0.0068797	0.00824819	0.404234	1.01512	0.0960864	4.35E-26	-0.0067772	0.00815062	0.4056934	0.5293781	20	0.83165696
ENSG00000175575	11	PAAF1	73587744	rs7942963	11	73615599	A	G	0.0815109	-0.010621	0.0179452	0.553948	-0.748179	0.100128	7.89E-14	0.0141958	0.0240603	0.5551843	0.5809386	3	0.88493053
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.33007	0.0945533	6.07E-45	0.00071009	0.0064379	0.9121723	0.4788158	20	0.97482371
ENSG00000241170	11	RP11-147I3.1	74587331	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	-0.87005	0.0989062	1.41E-18	-0.0010855	0.00984227	0.9121765	0.6042953	20	0.97482371
ENSG00000159063	11	ALG8	77811982	rs635657	11	77778565	T	C	0.695825	-0.0020388	0.0090041	0.820871	0.477858	0.0733511	7.29E-11	-0.0042665	0.018854	0.8209766	0.2591617	10	0.95999913
ENSG00000246174	11	KCTD21-AS1	77850817	rs7101694	11	77853896	T	C	0.464215	0.0142124	0.00807694	0.0784711	-0.915921	0.0966442	2.61E-21	-0.0155171	0.00896909	0.08361965	0.3186336	20	0.61234768
ENSG00000188997	11	KCTD21	77882295	rs582374	11	77775765	G	A	0.690855	-0.0020893	0.00900348	0.816495	0.518655	0.0821991	2.80E-10	-0.0040283	0.017371	0.8166173	0.199805	13	0.95971871
ENSG00000245832	11	RP11-179A16.1	81590893	rs72942468	11	82426736	A	G	0.121272	-0.0014647	0.0125396	0.907013	0.890253	0.15313	6.11E-09	-0.0016453	0.0140883	0.9070312	0.6023382	9	0.97482371
ENSG00000246067	11	RAB30-AS1	82783108	rs12797162	11	82782875	C	T	0.152087	0.00663272	0.0134851	0.622821	-0.886834	0.148786	2.52E-09	-0.0074791	0.0152576	0.6239999	0.1961039	12	0.90242996
ENSG00000137494	11	ANKRD42	82904781	rs8789	11	82973004	T	C	0.405567	-0.0021637	0.00822749	0.792562	0.398688	0.0730776	4.88E-08	-0.0054271	0.0206604	0.7927969	0.3683795	5	0.94975557
ENSG00000151376	11	ME3	86152150	rs670736	11	86383679	A	G	0.872763	-0.0066286	0.0116976	0.570945	-0.77372	0.132921	5.85E-09	0.00856714	0.0151901	0.5727579	0.3271795	7	0.88725573
ENSG00000077616	11	NAALAD2	89864683	rs10830294	11	89350827	T	C	0.341948	-0.0055335	0.0094394	0.557734	0.455845	0.0826493	3.48E-08	-0.012139	0.0208241	0.559942	0.02548929	12	0.88661737
ENSG00000165325	11	CCDC67	93063137	rs3133444	11	93063663	C	G	0.71173	0.0122598	0.00928573	0.186739	-0.79399	0.107025	1.18E-13	-0.0154407	0.0118788	0.1936491	0.030694	17	0.72334703
ENSG00000182919	11	C11orf54	93474757	rs602242	11	93490219	C	G	0.634195	0.00393727	0.00845055	0.641273	-0.432979	0.055798	8.51E-15	-0.0090934	0.0195524	0.6418733	0.1894152	7	0.90242996
ENSG00000020922	11	MRE11A	94152895	rs530569	11	94169708	T	C	0.336978	-0.010241	0.00848118	0.227241	0.710247	0.0746161	1.75E-21	-0.0144189	0.0120369	0.2309571	0.8824098	20	0.74020581
ENSG00000255893	11	RP11-685N10.1	94206074	rs641936	11	94197260	G	A	0.374751	-0.0102612	0.0083153	0.217198	0.77764	0.114586	1.15E-11	-0.0131953	0.0108683	0.2247071	0.7937334	18	0.74020581
ENSG00000149231	11	CCDC82	96085933	rs11021568	11	96121855	T	C	0.163022	0.0110063	0.0121663	0.36565	1.10961	0.119661	1.81E-20	0.00991907	0.0110165	0.367918	0.8709494	8	0.80285624
ENSG00000256422	11	RP11-886D15.1	104316596	rs61893227	11	104568951	C	T	0.22167	0.011845	0.00876279	0.17646	0.783454	0.105249	9.78E-14	0.0151189	0.0113677	0.1835224	0.3791102	20	0.70770156
ENSG00000137713	11	PPP2R1B	111597632	rs2850248	11	111644824	A	C	0.673956	0.0100144	0.00871853	0.250706	-0.415449	0.0711027	5.13E-09	-0.024105	0.0213875	0.2597161	0.3640128	6	0.75499306
ENSG00000149292	11	TTC12	113185251	rs11214587	11	113232422	G	T	0.465209	-0.0173888	0.00811857	0.0322055	-0.945544	0.110903	1.52E-17	0.0183903	0.00885293	0.03777312	0.3767832	19	0.47400007
ENSG00000270179	11	RP11-159N11.4	113239200	rs4438071	11	113231614	T	C	0.462227	-0.0175101	0.00811862	0.031022	-0.698328	0.127412	4.23E-08	0.0250743	0.0124935	0.04475166	0.9194713	6	0.51151367
ENSG00000166682	11	TMPRSS5	113558272	rs3914060	11	113586757	C	T	0.303181	0.00285334	0.00860487	0.740195	1.16781	0.10757	1.86E-27	0.00244333	0.00737182	0.7403111	0.2585263	19	0.91827118
ENSG00000254851	11	RP11-109L13.1	117006244	rs236910	11	117081974	G	A	0.263419	-0.0068734	0.00884573	0.437139	1.04939	0.133419	3.68E-15	-0.0065499	0.00847044	0.4393637	0.6623464	18	0.85366303
ENSG00000110274	11	CEP164	117185273	rs7926760	11	117222256	C	T	0.342942	0.0140856	0.00865821	0.103768	0.434406	0.0762009	1.19E-08	0.032425	0.0207268	0.1177247	0.2798109	14	0.65123504
ENSG00000149575	11	SCN2B	118032666	rs1617182	11	118068949	T	C	0.529821	-0.0055928	0.00806842	0.488203	-0.584973	0.0763452	1.83E-14	0.00956077	0.0138491	0.4899734	0.243488	16	0.86641896
ENSG00000196655	11	TRAPPC4	118889142	rs11006	11	118895202	G	A	0.229622	-0.0032697	0.0095136	0.731078	0.670627	0.0844782	2.05E-15	-0.0048757	0.0141994	0.7313205	0.06182068	12	0.91827118
ENSG00000255219	11	RP11-716H6.2	122165898	rs526084	11	122186263	T	A	0.527833	-0.0314685	0.00815469	0.00011388	0.923389	0.122742	5.35E-14	-0.0340794	0.00992533	0.00059568	0.9319491	8	0.1912375
ENSG00000245498	11	RP11-677M14.7	124670346	rs55913290	11	124657155	C	T	0.129225	-0.0102642	0.0146485	0.483491	0.719853	0.128628	2.19E-08	-0.0142587	0.0205082	0.4868854	0.2351154	7	0.86386102
ENSG00000254941	11	RP11-677M14.5	124677718	rs1783888	11	124676532	T	G	0.366799	-0.0044745	0.00873847	0.608617	0.735586	0.101051	3.35E-13	-0.0060829	0.011909	0.6095015	0.1634704	6	0.89568875
ENSG00000109832	11	DDX25	125773271	rs79013855	11	125773418	G	C	0.256461	0.0032216	0.00951011	0.734795	0.669537	0.0796728	4.33E-17	0.00481168	0.0142155	0.7350012	0.8068052	12	0.91827118
ENSG00000110074	11	FOXRED1	126138950	rs11220450	11	126175596	G	A	0.747515	0.0182694	0.00963854	0.0580337	0.593447	0.102956	8.21E-09	0.0307852	0.0170972	0.07176637	0.8313246	13	0.58941739
ENSG00000134917	11	ADAMTS8	130274820	rs79867570	11	130299745	T	C	0.028827	-0.0111865	0.0246562	0.650046	1.62821	0.239578	1.07E-11	-0.0068704	0.0151768	0.6507708	0.682425	3	0.90478858
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.757164	0.0804437	4.85E-21	0.00313698	0.0106896	0.7691687	0.4457399	20	0.93757616
ENSG00000182667	11	NTM	131240373	rs12790269	11	131148713	A	G	0.605368	0.0150285	0.00850864	0.0773517	0.62673	0.0834617	5.95E-14	0.0239792	0.0139467	0.0855521	0.3142334	5	0.61234768
ENSG00000251226	11	RP11-469N6.1	134605490	rs1944887	11	134626123	G	A	0.581511	0.00640095	0.00872648	0.463248	-0.893656	0.121552	1.95E-13	-0.0071627	0.0098134	0.4654604	0.2668864	20	0.86231368
ENSG00000120647	12	CCDC77	498439	rs7972566	12	517059	T	C	0.794235	0.0155739	0.00881787	0.0773678	0.799755	0.108792	1.96E-13	0.0194733	0.0113395	0.0859233	0.3603264	20	0.61234768
ENSG00000111254	12	AKAP3	4724674	rs714621	12	4758188	C	G	0.553678	-0.0017291	0.00841594	0.837218	0.612464	0.0803946	2.57E-14	-0.0028232	0.0137461	0.8372766	0.7019989	14	0.96763104
ENSG00000111321	12	LTBR	6484211	rs10849448	12	6493351	G	A	0.737575	-0.014208	0.00945673	0.132987	-0.685647	0.0756089	1.21E-19	0.020722	0.0139804	0.1382826	0.8604304	14	0.66998905
ENSG00000139192	12	TAPBPL	6560856	rs2244083	12	6570539	T	A	0.305169	0.00150986	0.00889562	0.865222	0.660222	0.0941031	2.28E-12	0.0022869	0.0134776	0.865261	0.3903825	11	0.97265415
ENSG00000111664	12	GNB3	6949118	rs3759347	12	6947680	A	G	0.287276	0.0115707	0.00901285	0.199213	-0.396566	0.0722777	4.10E-08	-0.0291772	0.0233411	0.2112859	0.5129965	6	0.72873407
ENSG00000111671	12	SPSB2	6980099	rs7311510	12	6987232	C	A	0.302187	-0.0039165	0.00934341	0.675089	0.933271	0.0973084	8.74E-22	-0.0041966	0.010021	0.6753807	0.613172	13	0.90615226
ENSG00000240370	12	RPL13P5	6982553	rs10849538	12	7014607	G	A	0.298211	-0.0039148	0.00939682	0.676965	0.840038	0.120899	3.70E-12	-0.0046603	0.0112063	0.6775116	0.5941459	9	0.90615226
ENSG00000248593	12	DSTNP2	6993846	rs10849538	12	7014607	G	A	0.298211	-0.0039148	0.00939682	0.676965	0.738023	0.108517	1.04E-11	-0.0053044	0.0127563	0.6775355	0.5611457	9	0.90615226
ENSG00000139197	12	PEX5	7341281	rs9738229	12	7365831	C	T	0.498012	-0.0029619	0.00813032	0.715632	0.706202	0.0717513	7.40E-23	-0.0041941	0.0115206	0.7158179	0.5003839	20	0.91266332
ENSG00000164845	12	FAM86FP	8385108	rs3889343	12	8379553	G	T	0.171968	-0.022489	0.0107754	0.0368825	1.08723	0.156644	3.90E-12	-0.0206847	0.0103492	0.04564457	0.1398374	8	0.51151367
ENSG00000256069	12	A2MP1	9381129	rs717181	12	9395763	C	T	0.629225	-0.0150644	0.00868075	0.0826723	-0.684141	0.107995	2.37E-10	0.0220194	0.013156	0.09418627	0.3838676	20	0.61532078
ENSG00000256427	12	RP11-118B22.4	9399093	rs59417188	12	9410396	A	C	0.128231	0.00864033	0.0132574	0.514571	-0.849233	0.139041	1.01E-09	-0.0101743	0.0156997	0.5169478	0.1247531	12	0.87377566
ENSG00000111788	12	RP11-22B23.1	9429831	rs7300369	12	9434538	A	G	0.461233	-0.0033164	0.00809349	0.681982	-1.02334	0.0867604	4.14E-32	0.00324074	0.00791367	0.682164	0.1024542	20	0.90615226
ENSG00000214776	12	RP11-726G1.1	9620148	rs10843872	12	9631909	G	C	0.425447	0.0057157	0.00809393	0.480082	0.752856	0.122889	8.99E-10	0.00759202	0.0108222	0.4829748	0.8431545	20	0.86372807
ENSG00000256594	12	RP11-705C15.2	9787188	rs11052282	12	9820080	A	C	0.0755467	0.00802706	0.0173017	0.642686	-0.718587	0.123884	6.61E-09	-0.0111706	0.0241543	0.6437448	0.5814982	5	0.90242996
ENSG00000184293	12	CLECL1	9868456	rs10492165	12	9885961	G	A	0.496024	0.00844943	0.00808416	0.295938	-0.817205	0.105523	9.61E-15	-0.0103394	0.00998214	0.3002989	0.09374623	14	0.76092064
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.52504	0.203969	7.61E-14	-0.0090917	0.0125215	0.4677848	0.6430791	14	0.86231368
ENSG00000172322	12	CLEC12A	10103915	rs4764181	12	10153190	C	G	0.591451	0.00087375	0.00811112	0.914216	-0.597161	0.101753	4.39E-09	-0.0014632	0.0135851	0.9142304	0.7633061	14	0.97484236
ENSG00000205810	12	KLRC3	10564911	rs10743899	12	10642477	C	T	0.808151	-0.013489	0.0105514	0.201107	-0.833421	0.120822	5.28E-12	0.0161851	0.0128759	0.2087526	0.05996965	10	0.72873407
ENSG00000205809	12	KLRC2	10579453	rs2734424	12	10581595	C	G	0.831014	-0.0084337	0.0110573	0.44563	-1.23275	0.137618	3.31E-19	0.00684133	0.00900208	0.447271	0.03766104	12	0.85657081
ENSG00000231887	12	PRH1	11033610	rs10743928	12	11020296	T	C	0.632207	-0.0090084	0.00840927	0.28406	-0.606809	0.108963	2.56E-08	0.0148455	0.0141122	0.2928187	0.05174225	7	0.76092064
ENSG00000134551	12	PRH2	11081835	rs1013313	12	11042137	C	T	0.631213	-0.0089659	0.00840248	0.285949	0.70959	0.117692	1.65E-09	-0.0126353	0.0120253	0.2933868	0.9902631	7	0.76092064
ENSG00000256274	12	TAS2R64P	11229368	rs4583064	12	11323573	G	A	0.356859	-0.0003211	0.00866954	0.970459	1.03037	0.110842	1.46E-20	-0.0003116	0.00841407	0.9704591	0.5674636	14	0.98983409
ENSG00000256537	12	RP11-785H5.1	11323963	rs10734843	12	11171846	G	A	0.861829	-0.0014483	0.014498	0.920425	0.398464	0.0651168	9.40E-10	-0.0036348	0.0363896	0.9204354	0.4646678	20	0.97711701

ENSG00000247157	12	RP11-434C1.1	11700964	rs10772397	12	11138683	T	C	0.657058	-0.009542	0.00840476	0.256248	-0.772356	0.103122	6.90E-14	0.0123544	0.0110063	0.2616576	0.02390182	13	0.75499306
ENSG00000247498	12	RP11-392P7.6	13080660	rs113720939	12	13086311	G	C	0.181909	0.0203757	0.0116292	0.0797535	0.921055	0.138079	2.55E-11	0.0221221	0.0130542	0.0901454	0.094892	3	0.61234768
ENSG00000013583	12	HEBP1	13127798	rs1056927	12	13070752	G	A	0.44334	-0.0072942	0.00813738	0.370049	-0.759613	0.091077	7.41E-17	0.00960252	0.0107742	0.3727955	0.09914994	13	0.80819058
ENSG00000182993	12	C12orf60	14956506	rs11610238	12	14975721	T	C	0.589463	0.00395941	0.00811269	0.625514	-0.601246	0.0822532	2.68E-13	-0.0065853	0.0135232	0.6262816	0.8828957	14	0.90242996
ENSG00000121350	12	PYROXD1	21590549	rs10160932	12	21626944	C	T	0.467197	0.0117711	0.00809047	0.145687	-0.39997	0.0618823	1.02E-10	-0.02943	0.0207338	0.1557777	0.2378723	14	0.67639935
ENSG00000247903	12	RP11-421F16.3	27124519	rs79716120	12	27103588	G	A	0.122266	0.00648423	0.0123749	0.600293	-0.878126	0.134398	6.41E-11	-0.0073842	0.0141376	0.6014576	0.4496125	6	0.89456808
ENSG00000257176	12	RP11-996F15.2	29433351	rs10843390	12	29496991	T	C	0.284294	0.00615469	0.00887296	0.487905	0.832837	0.0879277	2.75E-21	0.00739003	0.0106824	0.4890673	0.6352286	14	0.8659632
ENSG00000110888	12	CAPRIN2	30862486	rs73079996	12	30902110	T	C	0.0815109	-0.0115688	0.0195661	0.554342	-0.570348	0.0951527	2.05E-09	0.0202838	0.034472	0.556256	0.9717482	7	0.88493053
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	0.904359	0.110628	2.96E-16	0.00842299	0.014285	0.5554321	0.6712401	11	0.88493053
ENSG00000013573	12	DDX11	31226779	rs7953706	12	31226835	A	T	0.431412	-0.0110887	0.00815072	0.173685	-1.27985	0.0898705	5.10E-46	0.00866406	0.00639749	0.1756436	0.9847322	20	0.70330236
ENSG00000079337	12	RAPGEF3	48128455	rs12817548	12	48150536	A	G	0.145129	-0.0096729	0.0118761	0.41537	0.725816	0.108668	2.40E-11	-0.0133269	0.0164836	0.4188077	0.4455467	6	0.84130138
ENSG00000268069	12	AC004466.1	48178706	rs2240109	12	48180022	C	T	0.747515	0.00947879	0.00993226	0.33991	0.505378	0.0895941	1.69E-08	0.0187558	0.0199324	0.3467195	0.7636886	4	0.78900436
ENSG00000240399	12	RP1-228P16.1	48448596	rs10875725	12	48424497	G	C	0.313121	0.0289292	0.00928262	0.00183016	-0.743785	0.10846	7.00E-12	-0.0388946	0.0137086	0.00455042	0.2896272	20	0.2734387
ENSG00000177981	12	ASB8	48541571	rs10875728	12	48426392	G	T	0.219682	0.044612	0.0115834	0.00011746	0.543438	0.0979287	2.87E-08	0.0820922	0.0259455	0.00155604	0.8996109	5	0.20338732
ENSG00000167553	12	TUBA1C	49582519	rs7976890	12	49519185	G	A	0.336978	-0.0063047	0.00826014	0.445302	0.547441	0.0942738	6.36E-09	-0.0115167	0.0152184	0.449193	0.4281197	10	0.8581303
ENSG00000135406	12	PRPH	49687035	rs12580931	12	49688057	C	T	0.219682	4.73E-06	0.00899661	0.99958	0.705136	0.121687	6.85E-09	6.71E-06	0.0127587	0.9995801	0.3072609	13	0.9995801
ENSG00000272368	12	RP4-605O3.4	50505980	rs7532	12	50523964	C	T	0.600398	0.00118409	0.00832309	0.88687	-0.686774	0.0902744	2.79E-14	-0.0017241	0.0121212	0.8868898	0.4162287	12	0.97445788
ENSG00000139624	12	CERS5	50523575	rs3184122	12	50570127	G	A	0.350895	-0.0022167	0.0088344	0.801879	-0.730625	0.0962834	3.24E-14	0.00303396	0.0120982	0.8019852	0.9592889	20	0.95342326
ENSG00000139629	12	GALNT6	51745031	rs3782473	12	51756269	C	T	0.281312	-0.0038831	0.0085967	0.65149	-0.721424	0.0859571	4.75E-17	0.00538251	0.0119335	0.6519605	0.1373274	6	0.90478858
ENSG00000050438	12	SLC4A8	51785101	rs2241545	12	51754629	G	A	0.2833	-0.0028563	0.00857962	0.739197	-0.614528	0.0820483	6.90E-14	0.00464797	0.0139751	0.7394441	0.07420944	3	0.91827118
ENSG00000205426	12	KRT81	52679697	rs2852458	12	52712249	T	C	0.409543	0.0117922	0.00846851	0.163779	0.483886	0.0863243	2.08E-08	0.0243698	0.018033	0.1765664	0.9225815	7	0.70330236
ENSG00000170523	12	KRT83	52708085	rs1573514	12	52719253	A	C	0.361829	0.0098606	0.00880448	0.262734	0.683546	0.0946423	5.11E-13	0.0144257	0.0130345	0.2684125	0.3992148	19	0.75499306
ENSG00000170484	12	KRT74	52959566	rs584436	12	52960068	T	C	0.673956	-0.0051702	0.00874195	0.554234	0.710257	0.0958683	1.28E-13	-0.0072794	0.0123473	0.555491	0.2797923	5	0.88493053
ENSG00000111077	12	TENC1	53440753	rs11610008	12	53440582	T	C	0.605368	-0.0130565	0.00807522	0.105909	0.57111	0.0773671	1.56E-13	-0.0228616	0.0144747	0.1142404	0.4461341	8	0.64679311
ENSG00000205352	12	PRR13	53835389	rs2280448	12	53896984	A	G	0.151093	-0.0025607	0.0126574	0.839675	-0.543307	0.0966829	1.92E-08	0.00471319	0.023312	0.8397773	0.7594775	5	0.96858776
ENSG00000135390	12	ATP5G2	54026510	rs12818213	12	54072007	G	A	0.306163	0.0120044	0.00937359	0.200313	0.420736	0.0712359	3.50E-09	0.0285319	0.0227968	0.2107238	0.03216783	11	0.72873407
ENSG00000257534	12	RP11-834C11.10	54555849	rs2233921	12	54575800	A	C	0.477137	0.00299254	0.00811907	0.71244	0.80353	0.122414	5.24E-11	0.00372424	0.0101202	0.7128718	0.646838	7	0.91182498
ENSG00000170627	12	GTSF1	54849734	rs9325158	12	54860181	G	A	0.0636183	-0.0029395	0.015487	0.849462	1.32417	0.230514	9.22E-09	-0.0022199	0.011702	0.8495431	0.9289475	3	0.97265415
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.22767	0.0913565	3.61E-41	0.0162828	0.00675967	0.01600447	0.4171339	14	0.39871484
ENSG00000257303	12	RP11-977G19.11	56693926	rs2066818	12	56753822	A	C	0.0636183	-0.0053403	0.0177429	0.763428	-0.871838	0.115079	3.56E-14	0.00612535	0.0203672	0.7636084	0.9155399	14	0.9338376
ENSG00000123427	12	METTL21B	58165275	rs10431552	12	58178148	A	G	0.319085	-0.0215716	0.008472	0.0108896	0.83523	0.103435	6.75E-16	-0.0258271	0.0106356	0.01516736	0.2412195	20	0.39871484
ENSG00000166896	12	XRCC6BP1	58335324	rs7358584	12	58342196	A	G	0.313121	-0.0296745	0.00858012	0.00054316	-0.63597	0.0886352	7.22E-13	0.0466602	0.0149769	0.00183645	0.659186	19	0.21266079
ENSG00000239335	12	RP11-745O10.2	66524531	rs1370126	12	66546892	G	A	0.435388	0.0130862	0.00806503	0.104679	-1.02757	0.0904577	6.64E-30	-0.0127351	0.0079283	0.108212	0.05660041	10	0.63287624
ENSG00000155974	12	GRIP1	66741211	rs11176316	12	67006711	T	C	0.319085	8.42E-05	0.00887727	0.99243	0.534713	0.0938098	1.20E-08	0.00015751	0.016602	0.9924305	0.2427921	4	0.99759941
ENSG00000111581	12	NUP107	69080514	rs2546508	12	69088653	G	T	0.360835	0.00591704	0.00825238	0.473368	-0.560586	0.0773175	4.15E-13	-0.0105551	0.0147928	0.4755181	0.9296165	8	0.86343574
ENSG00000175782	12	SLC35E3	69139886	rs10878871	12	69175249	A	G	0.382704	-0.0019809	0.00822092	0.809586	-0.512927	0.0582697	1.34E-18	0.00386197	0.0160335	0.8096563	0.5539274	20	0.95638064
ENSG00000135679	12	MDM2	69201956	rs10878871	12	69175249	A	G	0.382704	-0.0019809	0.00822092	0.809586	-0.396766	0.0690176	8.99E-09	0.00499264	0.020738	0.8097502	0.7643901	7	0.95638064
ENSG00000135678	12	CPM	69235977	rs11177430	12	69371558	T	C	0.168986	0.00939502	0.0101759	0.355871	-0.816376	0.128908	2.40E-10	-0.0115082	0.0125965	0.3609248	0.5436083	5	0.79157371
ENSG00000127337	12	YEATS4	69753483	rs315143	12	69792025	G	A	0.266402	-0.0019529	0.00899238	0.828073	0.470881	0.0850825	3.12E-08	-0.0041473	0.0191116	0.8282039	0.5031535	3	0.96420253
ENSG00000166268	12	MYRFL	70219084	rs201437318	12	70169170	C	T	0.0616302	0.00855558	0.0148793	0.565291	1.47438	0.258304	1.14E-08	0.00580283	0.010143	0.567252	0.1433203	4	0.88725573
ENSG00000257139	12	RP11-320P7.2	70574118	rs4567514	12	70631683	G	A	0.700795	0.00066337	0.00879717	0.939891	-1.04851	0.102486	1.44E-24	-0.0006327	0.00839039	0.9398924	0.6635241	20	0.98530027
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-0.955972	0.0704296	5.76E-42	-0.0039728	0.00878862	0.6512394	0.2666795	20	0.90478858
ENSG00000257497	12	RP11-585P4.5	75877904	rs1051446	12	75894114	C	T	0.37674	0.00333475	0.00853669	0.696065	-0.590075	0.0965618	9.91E-10	-0.0056514	0.0144967	0.6966537	0.3860917	15	0.90615226
ENSG00000111615	12	KRR1	75890684	rs34170388	12	75959988	A	G	0.247515	0.00491801	0.00964126	0.609981	0.502098	0.0911301	3.59E-08	0.00979492	0.0192841	0.6115037	0.8573225	6	0.89635606
ENSG00000139220	12	PPFIA2	81652045	rs2141702	12	81726439	A	G	0.272366	0.00905012	0.00854951	0.289803	0.640131	0.112844	1.41E-08	0.0141379	0.0135864	0.298065	0.8542471	3	0.76092064
ENSG00000257431	12	RP11-263K4.3	82906456	rs7972368	12	82890252	G	A	0.233598	-0.0047187	0.010217	0.644194	0.72484	0.126292	9.50E-09	-0.0065099	0.0141411	0.6452608	0.3199303	10	0.90242996
ENSG00000111666	12	CHPT1	102090725	rs2559851	12	102092989	A	C	0.610338	0.0216954	0.00820845	0.00821599	0.654126	0.0748477	2.34E-18	0.033167	0.01311	0.01140977	0.07668923	11	0.35721963
ENSG00000111670	12	GNPTAB	102139275	rs73168309	12	102200018	G	T	0.0675944	-0.0186822	0.017953	0.298053	0.86414	0.142346	1.27E-09	-0.0216194	0.0210786	0.305053	0.09782683	9	0.76092064
ENSG00000257681	12	RP11-341G23.4	104140093	rs11111765	12	104172519	C	G	0.247515	-0.0100726	0.00986399	0.307185	0.628559	0.103408	1.21E-09	-0.0160249	0.0159129	0.313917	0.5872509	8	0.76582138
ENSG00000136051	12	KIAA1033	105501102	rs2257156	12	105591083	A	G	0.848907	-0.0125444	0.0123138	0.308332	-0.533324	0.0936098	1.22E-08	0.0235212	0.023455	0.3159469	0.1707274	5	0.76582138
ENSG00000136026	12	CKAP4	106631655	rs17217845	12	106697802	G	A	0.258449	-0.0079709	0.00927659	0.390205	0.510549	0.0910472	2.05E-08	-0.0156123	0.0183819	0.3956969	0.3486865	5	0.81905767
ENSG00000139433	12	GLTP	110288748	rs7955379	12	110301945	T	G	0.491054	0.00062348	0.00815498	0.939058	-0.292529	0.050835	8.69E-09	-0.0021313	0.02788	0.9390634	0.2450661	17	0.98530027
ENSG00000089250	12	NOS1	117645947	rs4767540	12	117877007	G	A	0.429423	-0.0045647	0.00807326	0.571796	-0.556876	0.0964	7.62E-09	0.00819696	0.0145667	0.5736259	0.7234148	3	0.88725573
ENSG00000257218	12	GATC	120884241	rs2673624	12	121025718	C	T	0.350895	-0.005675	0.00874	0.516138	-0.749794	0.0876145	1.15E-17	0.00756869	0.01169	0.517342	0.2208202	20	0.87377566
ENSG00000122971	12	ACADS	121163538	rs3021337	12	121163261	T	C	0.310139	0.026186	0.00884949	0.00308603	0.471566	0.0823949	1.05E-08	0.0555299	0.021126	0.00857604	0.187041	7	0.32383888
ENSG00000157895	12	C12orf43	121440225	rs55956549	12	121413930	C	T	0.105368	0.0331436	0.0184326	0.0721606	0.636528	0.114768	2.92E-08	0.0520693	0.0304419	0.0871823	0.0668456	3	0.61234768
ENSG00000212694	12	AC084018.1	122233173	rs1168668	12	122227451	G	C	0.82008	0.00411413	0.0100876	0.683392	0.650358	0.103769	3.67E-10	0.00632595	0.0155436	0.684023	0.1695142	9	0.90615226
ENSG00000256092	12	hsa-mir-8072	123848415	rs10773016	12	123843239	G	A	0.949304	0.00443905	0.0243613	0.855412	1.47904	0.215252	6.37E-12	0.0030013	0.0164768	0.8554625	0.288012	13	0.97265415
ENSG00000111364	12	DDX55	124086624	rs11057306	12	124097766	G	A	0.115308	0.0188477	0.01415	0.182861	-0.840375	0.153281	4.19E-08	-0.0224277	0.0173275	0.1955475	0.3887696	8	0.72334703
ENSG00000139370	12	SLC15A4	129277739	rs3765108	12	129278207	C	T	0.316103	-0.000447	0.00832902	0.957201	0.50843	0.0871668	5.45E-09	-0.0008792	0.0163825	0.9572024	0.6711877	3	0.98571272
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.887904	0.100921	1.39E-18	-0.0037505	0.00915999	0.6822145	0.4701603	9	0.90615226
ENSG00000185684	12	EP400NL	132568828	rs73164919	12	132578050	T	C	0.116302	0.0109077	0.00985097	0.268176	-0.77828	0.113148	6.05E-12	-0.0140151	0.0128203	0.2743069	0.1148668	5	0.7563295
ENSG00000185163	12	DDX51	132621139	rs57037358	12	132625643	T	C	0.189861	0.00988417	0.00899283	0.271717	0.547729	0.0840105	7.04E-11	0.0180457	0.0166501	0.2784431	0.05052353	14	0.75678055
ENSG00000256576	12	RP13-977J11.2	132671287	rs112664491	12	132674361	G	C	0.154076	-0.0094852	0.01008	0.346711	1.10155	0.117426	6.55E-21	-0.0086107	0.00919666	0.3491242	0.0780359	12	0.79055846
ENSG00000224429	13	LINC00539	21877654	rs57438463	13	22033122	C	G	0.329026	0.0138966	0.00856087	0.10453	-0.681444	0.104365	6.60E-11	-0.0203929	0.0129452	0.1151833	0.2112433	14	0.64679311
ENSG00000235076	13	GAPDHP52	21932512	rs58374685	13	22000819	T	A	0.321074	0.0129322	0.00858934	0.132169	-0.668171	0.117055	1.14E-08	-0.0193546	0.0132947	0.1454422	0.5118721	3	0.67136051
ENSG00000027001	13	MIPEP	24304328	rs111595693	13	24462514	G	A	0.134195	-0.0234638	0.0139474	0.0925103	1.06903	0.145985	2.43E-13	-0.0219487	0.0133866	0.1010892	0.6352374	9	0.62046622
ENSG00000253771	13	TPTE2P1	25498815	rs9511525	13	25528058	A	G	0.137177	-0.0033061	0.0119843	0.782647	0.898066	0.155055	6.96E-09	-0.0036814	0.0133597	0.7828865	0.6986426	5	0.94684752
ENSG00000186184	13	POLR1D	28194903	rs34767548	13	28200461	A	G	0.127237	-0.0065099	0.013765	0.636261	0.610229	0.0940024	8.49E-11	-0.010668	0.0226169	0.6371528	0.6019933	3	0.90242996
ENSG00000120669	13	SOHLH2	36742345	rs912930	13	36830662	C	T	0.430417	0.0155176	0.00843519	0.0658218	0.85764	0.0989126	4.30E-18	0.0180934	0.0100543	0.0719287	0.7083008	20	0.58941739
ENSG00000223685	13	LINC00571	38624954	rs1360922	13	38627010	G	A	0.439364	0.00949655	0.00805973	0.238688	-0.658253	0.112505	4.89E-09	-0.0144269	0.0124899	0.2480568	0.6841052	13	0.75499306
ENSG00000133103	13	COG6	40229764	rs4598779	13	40235373	T	C	0.670974	0.00983277	0.00842771	0.243323	0.495358	0.0711347	3.32E-12	0.0198498	0.0172505	0.2498637	0.4114908	13	0.75499306
ENSG00000120675	13	DNAJC15	43597339	rs74399583	13	43616973	A	T	0.252485	0.00993045	0.00929067	0.285131	-0.625135	0.0666327	6.49E-21	-0.0158853	0.014958	0.2882391	0.02434482	16	0.76092064
ENSG00000151773	13	CCDC122	44398045	rs12869697	13	44439169	C	T	0.497018	-0.0016873	0.00806508	0.834286	0.462677	0.0823027	1.89E-08	-0.0036468	0.0174434	0.8343997	0.4074174	6	0.96625375
ENSG00000227258	13	SMIM2-AS1	44716682	rs76367685	13	44717742	T	C	0.707753	-0.0127751	0.00906909	0.15894	-1.03611	0.137171	4.24E-14	0.0123299	0.00890393	0.1661236	0.2764693	15	0.68522433
ENSG00000235903	13	CPB2-AS1	46626941	rs56088819	13	46685361	C	T	0.262425	0.00186818	0.00896576	0.834942	1.14028	0.106678	1.15E-26	0.00163835	0.00786426	0.8349723	0.09945708	14	0.96625375
ENSG00000136144	13	RCBTB1	50106082	rs1925743	13	50159253	A	G	0.577535	-0.0089284	0.00805871	0.267895	0.529853	0.0761039	3.35E-12	-0.0168508	0.0154007	0.2738867	0.1119913	15	0.7563295
ENSG00000123179	13	EBPL	50234859	rs9562915	13	50283389	C	T	0.215706	-0.0025155	0.00980292	0.797486	-0.781396	0.116179	1.75E-11	0.00321917	0.0125545	0.79763	0.4328097	12	0.95091511
ENSG00000237152	13	DLEU7-AS1	51381992	rs2812238	13	51300278	C	T	0.153082	-0.0073576	0.0112617	0.513541	-0.892191	0.108348	1.80E-16	0.0082467	0.0126622	0.5148623	0.1949883	9	0.87377566
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs2441	13	51514831	T	C	0.318091	-0.0053753	0.00866263	0.534921	-0.799144	0.128396	4.84E-10	0.00672626	0.0108936	0.5369384	0.5246618	5	0.87706746
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.554791	0.0899931	7.06E-10	-0.006808	0.014828	0.6461432	0.900762	4	0.90293704
ENSG00000123201	13	GUCY1B2	51568647	rs1475447	13	51631607	C	T	0.793241	0.0159958	0.0101987	0.116782	-1.04028	0.130382	1.48E-15	-0.0153764	0.00999143	0.1238133	0.5730986	11	0.65422783
ENSG00000136108	13	CKAP2	53029564	rs9535895	13	52765847	A	G	0.639165	-0.0127825	0.00838139	0.127233	-0.558929	0.0878786	2.01E-10	0.0228696	0.0154205	0.1380573	0.01848948	18	0.66998905
ENSG00000261105	13	RP11-173B14.5	76178836	rs735822	13	76209961	G	T	0.554672	0.00500676	0.00810548	0.536772	-0.824883	0.100629	2.46E-16	-0.0060697	0.00985408	0.5379247	0.0595645	8	0.87706746
ENSG00000227354	13	RBM26-AS1	79980444	rs2296286	13	79980609	A	C	0.082505	0.00113198	0.0104274	0.913553	1.22188	0.150677	5.09E-16	0.00092643	0.00853466	0.9135606	0.5290445	9	0.97482371
ENSG00000152749	13	GPR180	95254157	rs3897473	13	95253920	G	T	0.642147	-0.0183691	0.00842349	0.0292052	0.543445	0.077832	2.90E-12	-0.0338012	0.0162386	0.03738439	0.2483897	11	0.47400007
ENSG00000125247	13	TMTC4	101256181	rs9513780	13	101319181	T	C	0.472167	0.00837807	0.00831137	0.313443	0.346285	0.0579702	2.32E-09	0.0241941	0.0243409	0.3202364	0.986674	4	0.76830197
ENSG00000237082	13	COX5BP6	101276129	rs61968904	13	101371643	A	G	0.225646	-0.009551	0.00988281	0.333834	-0.6927	0.117563	3.81E-09	0.013788	0.0144577	0.3402463	0.5055292	5	0.78634727
ENSG00000272143	13	FGF14-AS2	103046980	rs9554872	13	103008694	T	G	0.250497	-0.0129554	0.0105489	0.219397	-0.646361	0.0790837	3.01E-16	0.0200436	0.0165037	0.2245594	0.4748425	7	0.74020581
ENSG00000126217	13	MCF2L	113548692	rs9549650	13	113715787	C	A	0.807157	-0.0042585	0.00993248	0.668109	-0.960396	0.103368	1.53E-20	0.0044341	0.0103531	0.6684414	0.45312	19	0.90615226
ENSG00000150401	13	DCUN1D2	114110134	rs2260897	13	114141447	A	C	0.290258	0.0220264	0.00885014	0.0128171	-0.408203	0.0625946	6.97E-11	-0.0539594	0.023206	0.02005921	0.9076114	9	0.41658613
ENSG00000092094	14	OSGEP	20914570	rs938882	14	20916987	A	G	0.572565	0.0105131	0.00821068	0.200398	0.708519	0.0844618	4.92E-17	0.0148381	0.0117227	0.2055998	0.05810675	9	0.72873407
ENSG00000256379	14	TRAV8-5	22371257	rs2103415	14	22372484	T	C	0.349901	-0.0169827	0.00837688	0.0426285	0.836314	0.132877	3.10E-10	-0.0203066	0.0105232	0.053645	0.5326983	10	0.55465098
ENSG00000100461	14	RBM23	23369854	rs2145541	14	23368887	T	C	0.262425	-0.0068462	0.00882425	0.437845	-0.559187	0.0940226	2.72E-09	0.0122431	0.0159142	0.4417034	0.07901246	3	0.85456265
ENSG00000092036	14	HAUS4	23415437	rs12880925	14	23426422	G	A	0.526839	-0.0050197	0.00807991	0.534429	-0.564324	0.0622545	1.25E-19	0.0088951	0.0143514	0.5353859	0.05648558	18	0.87706746
ENSG00000187630	14	DHRS4L2	24439148	rs6573486	14	24428509	A	G	0.0516899	0.0134252	0.0422139	0.750463	-1.03799	0.160137	9.06E-11	-0.0129338	0.0407178	0.7507536	0.3737225	14	0.92495349
ENSG00000157379	14	DHRS1	24759804	rs1109153	14	24799287	T	A	0.291252	0.00321237	0.00885321	0.716719	0.553274	0.0971914	1.25E-08	0.00580611	0.016034	0.7172674	0.1646537	13	0.91266332
ENSG00000213903	14	LTB4R	24780656	rs12896809	14	24792966	G	A	0.570577	0.0184356	0.00814797	0.0236603	0.436852	0.0740762	3.69E-09	0.042201	0.0199772	0.03464701	0.00659134	18	0.47400007
ENSG00000205978	14	NYNRIN	24867992	rs17795034	14	24869465	A	G	0.342942	-0.0048311	0.00917626	0.598555	-0.36225	0.0593713	1.05E-09	0.0133364	0.0254254	0.5999099	0.67809	3	0.89456808
ENSG00000257585	14	LINC00609	36539633	rs8005584	14	36603729	G	C	0.718688	-0.0115653	0.00919336	0.208389	-0.371405	0.0656347	1.53E-08	0.0311393	0.0253572	0.2194376	0.01047716	16	0.74020581
ENSG00000139915	14	MDGA2	47308826	rs2022568	14	48164152	T	C	0.54175	-0.0020538	0.0080792	0.799335	0.479975	0.0746577	1.28E-10	-0.004279	0.0168457	0.7994889	0.1281848	16	0.95247752
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	1.01938	0.105488	4.31E-22	-0.0010034	0.00790976	0.899055	0.1104248	16	0.97482371
ENSG00000165502	14	RPL36AL	50085237	rs3007042	14	50095335	G	A	0.760437	-0.0096268	0.00961837	0.316887	0.571554	0.0618103	2.31E-20	-0.0168432	0.0169267	0.3197054	0.7928836	15	0.76808891
ENSG00000087301	14	TXNDC16	52897308	rs79807169	14	53069451	A	G	0.0616302	-0.0069244	0.0203967	0.734243	-0.723212	0.117946	8.69E-10	0.0095745	0.0282461	0.7346348	0.2564822	12	0.91827118
ENSG00000100523	14	DDHD1	53510686	rs7141306	14	53549247	C	T	0.836978	0.0240713	0.0131487	0.0671444	0.372501	0.063511	4.49E-09	0.0646208	0.036978	0.08054237	0.08239809	9	0.60302628
ENSG00000237356	14	AL163953.3	53635772	rs78453644	14	53683993	C	T	0.245527	-0.012993	0.00952287	0.172442	1.02698	0.119464	8.21E-18	-0.0126517	0.00938876	0.1778087	0.3472269	11	0.70330236
ENSG00000100528	14	CNIH1	54893654	rs3825609	14	54890924	C	G	0.149105	-0.0059872	0.0121042	0.620856	0.554859	0.085372	8.07E-11	-0.0107905	0.021878	0.6218634	0.9623903	7	0.90242996
ENSG00000126790	14	L3HYPDH	59927081	rs1253098	14	59945536	G	A	0.469185	-0.0126899	0.00852617	0.136658	-0.973469	0.0880691	2.11E-28	0.0130358	0.00883758	0.140203	0.526253	20	0.66998905
ENSG00000100612	14	DHRS7	60610838	rs1254036	14	60624289	C	A	0.147117	0.00805838	0.0129596	0.534069	-0.485272	0.0876008	3.03E-08	-0.0166059	0.0268736	0.5366234	0.9418668	6	0.87706746
ENSG00000139998	14	RAB15	65412532	rs7161378	14	65450780	C	T	0.22664	0.0103811	0.00980698	0.289809	0.44756	0.076235	4.34E-09	0.0231949	0.0222654	0.2975305	0.4554085	9	0.76092064
ENSG00000100731	14	PCNX	71374122	rs221893	14	71611414	A	G	0.532803	-0.0147411	0.00809331	0.0685472	0.410236	0.0639079	1.37E-10	-0.0359332	0.0205072	0.0797355	0.397994	9	0.60302628
ENSG00000184227	14	ACOT1	74003818	rs8018231	14	74034190	G	T	0.275348	-0.0087123	0.00936579	0.352252	0.700923	0.11041	2.18E-10	-0.0124298	0.0135048	0.3573635	0.4691486	3	0.79157371
ENSG00000119673	14	ACOT2	74034324	rs8009089	14	73276012	A	G	0.885686	-0.0104008	0.0127484	0.414585	0.817906	0.147732	3.09E-08	-0.0127164	0.015755	0.4195888	0.6337241	7	0.84130138
ENSG00000259065	14	RP5-1021I20.1	74254063	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	1.24223	0.135114	3.79E-20	-0.012415	0.00870602	0.1538609	0.7294091	20	0.67136051
ENSG00000258586	14	RP5-1021I20.2	74289262	rs74576495	14	74254212	A	G	0.122266	-0.0154223	0.010684	0.14888	0.986202	0.139656	1.65E-12	-0.0156381	0.0110575	0.1572885	0.6627417	11	0.67639935
ENSG00000140043	14	PTGR2	74318547	rs1476748	14	74552048	C	T	0.910537	-0.0193141	0.0162044	0.233298	-0.925236	0.151189	9.37E-10	0.0208748	0.0178429	0.2420324	0.4114037	14	0.75173483
ENSG00000119718	14	EIF2B2	75469614	rs175438	14	75607045	A	G	0.459245	0.00135692	0.00808468	0.86671	-0.420952	0.0622028	1.31E-11	-0.0032235	0.0192116	0.866751	0.505274	11	0.97265415
ENSG00000021645	14	NRXN3	78708734	rs7152858	14	78480647	C	T	0.912525	0.00053233	0.0115948	0.963381	0.890941	0.145348	8.80E-10	0.00059749	0.0130145	0.9633822	0.3870789	8	0.98571272
ENSG00000042317	14	SPATA7	88851268	rs17772288	14	88827366	A	G	0.23161	-0.0107486	0.00943129	0.254423	-0.732694	0.107486	9.32E-12	0.01467	0.0130507	0.2609823	0.944847	12	0.75499306
ENSG00000258983	14	RP11-507K2.2	88965678	rs10139921	14	88934856	A	G	0.217694	-0.0104433	0.00951986	0.27264	0.895977	0.114173	4.24E-15	-0.0116558	0.0107284	0.2772854	0.8440016	20	0.75678055
ENSG00000165929	14	TC2N	92246095	rs57328376	14	92235039	G	A	0.324056	0.00458515	0.00837332	0.583973	0.786833	0.131701	2.31E-09	0.00582735	0.0106864	0.585544	0.8974113	8	0.89375213
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-1.1467	0.133918	1.10E-17	-0.0157325	0.0111397	0.1578618	0.8083454	4	0.67639935
ENSG00000259775	14	RP11-45P15.4	103798011	rs3548	14	103811181	G	A	0.282306	-0.0189979	0.00905789	0.0359592	0.636917	0.0960944	3.40E-11	-0.0298279	0.0149165	0.04553732	0.3917673	8	0.51151367
ENSG00000269958	14	RP11-73M18.8	104162690	rs35469050	14	104148905	T	C	0.2167	-0.0294163	0.00967198	0.00235489	-0.64639	0.0939468	5.97E-12	0.0455086	0.0163598	0.00540685	0.9040318	17	0.27378691
ENSG00000156414	14	TDRD9	104394799	rs10149651	14	104394440	G	A	0.713718	0.00808245	0.00914405	0.376749	-0.854729	0.129443	4.03E-11	-0.0094562	0.0107936	0.3809821	0.6202547	14	0.81204283
ENSG00000183828	14	NUDT14	105639275	rs12894531	14	105640076	A	G	0.513917	-0.0094995	0.00815199	0.243897	0.496516	0.0663853	7.47E-14	-0.0191324	0.0166165	0.2495638	0.7725129	12	0.75499306
ENSG00000259905	15	PWRN1	24738284	rs12050641	15	24519610	T	G	0.197813	0.0183611	0.00948128	0.0527995	-0.907048	0.150226	1.56E-09	-0.0202427	0.0109774	0.06517788	0.9999896	20	0.58941739
ENSG00000185823	15	NPAP1	24920541	rs7183029	15	24404342	C	T	0.792247	-0.0183083	0.00964736	0.0577285	0.840923	0.146177	8.78E-09	-0.0217717	0.0120805	0.07151048	0.9905435	20	0.58941739
ENSG00000261377	15	RP11-578F21.12	29034810	rs147495388	15	29077969	C	T	0.167992	-0.00043	0.0141977	0.975839	-1.27407	0.104942	6.42E-34	0.0003375	0.0111436	0.9758388	0.2647025	20	0.9912361
ENSG00000134160	15	TRPM1	31293264	rs3809579	15	31394322	T	C	0.584493	0.006059	0.00808677	0.453708	-1.02902	0.097252	3.65E-26	-0.0058881	0.00787839	0.454836	0.9419413	8	0.86231368
ENSG00000169918	15	OTUD7A	31775329	rs4238558	15	32145735	T	C	0.522863	0.00830264	0.00806481	0.30325	-0.638927	0.0618769	5.39E-25	-0.0129947	0.012685	0.3056412	0.4748032	12	0.76092064
ENSG00000206127	15	GOLGA8O	32737307	rs1062254	15	32898631	G	C	0.353877	0.00358085	0.00879015	0.683735	0.649559	0.0968251	1.97E-11	0.00551274	0.0135574	0.6842858	0.3761343	4	0.90615226
ENSG00000254912	15	RP11-632K20.2	32786204	rs62003030	15	32815816	A	G	0.224652	-2.48E-05	0.00960548	0.997937	1.09333	0.124438	1.55E-18	-2.27E-05	0.00878553	0.9979369	0.784023	5	0.99875839
ENSG00000261064	15	RP11-1000B6.3	32828248	rs1062254	15	32898631	G	C	0.353877	0.00358085	0.00879015	0.683735	-0.734595	0.105747	3.74E-12	-0.0048746	0.0119865	0.6842488	0.4886123	3	0.90615226
ENSG00000232653	15	GOLGA8N	32885657	rs28457217	15	32931921	A	G	0.301193	-0.0024432	0.00946314	0.796269	-0.564806	0.0875131	1.09E-10	0.00432572	0.0167681	0.7964275	0.4357363	3	0.95013363
ENSG00000198826	15	ARHGAP11A	32907345	rs60252695	15	32911105	C	T	0.275348	0.00818158	0.00916835	0.372194	-0.512105	0.0748011	7.58E-12	-0.0159764	0.0180547	0.3762177	0.4958114	4	0.81174572
ENSG00000166923	15	GREM1	33010175	rs8037112	15	32962759	G	A	0.591451	-0.0060088	0.00823989	0.465863	0.760935	0.101657	7.14E-14	-0.0078966	0.0108799	0.4679662	0.8342141	5	0.86231368
ENSG00000259446	15	RP11-489D6.2	33595858	rs2670948	15	33595844	T	G	0.518887	-0.0057639	0.00807599	0.475404	-0.845827	0.107193	3.01E-15	0.00681456	0.00958702	0.4772011	0.3437477	19	0.86343574
ENSG00000184984	15	CHRM5	34260921	rs9707955	15	34347255	C	T	0.285288	-0.0206556	0.00875281	0.0182806	1.06932	0.129526	1.51E-16	-0.0193166	0.00851325	0.02326825	0.1156006	13	0.41658613
ENSG00000248508	15	SRP14-AS1	40331512	rs2412474	15	40333791	A	G	0.549702	0.0122307	0.00828879	0.140058	-0.50189	0.077336	8.60E-11	-0.0243693	0.0169367	0.1501937	0.08719292	9	0.67136051
ENSG00000140323	15	DISP2	40650436	rs11634187	15	40722781	G	T	0.150099	0.0124076	0.0113673	0.275049	0.454046	0.0769997	3.71E-09	0.0273267	0.0254609	0.2831436	0.6530636	3	0.75707947
ENSG00000128944	15	KNSTRN	40674922	rs55982218	15	40728810	T	C	0.0974155	-0.0281727	0.0114002	0.0134645	1.34011	0.163989	3.03E-16	-0.0210227	0.00888738	0.01800808	0.4668591	9	0.40218164
ENSG00000128891	15	C15orf57	40820882	rs17747633	15	40916237	G	A	0.457256	0.029559	0.00829529	0.00036614	-0.989099	0.0971985	2.54E-24	-0.0298848	0.00888603	0.00077068	0.03387078	20	0.1912375
ENSG00000166140	15	ZFYVE19	41099284	rs17657986	15	41107415	G	T	0.384692	0.00034447	0.00808392	0.966011	-0.434718	0.0460887	4.02E-21	-0.0007924	0.018596	0.966011	0.00556429	20	0.98645568
ENSG00000137804	15	NUSAP1	41624892	rs28492932	15	41624397	C	G	0.253479	0.0112703	0.00931174	0.226152	0.903477	0.118218	2.13E-14	0.0124744	0.010435	0.2319175	0.04795372	20	0.74020581
ENSG00000137806	15	NDUFAF1	41679551	rs11635906	15	41779260	G	A	0.274354	0.0211416	0.00879267	0.0161961	0.597846	0.0727378	2.05E-16	0.035363	0.0153237	0.02101386	0.08896	20	0.41658613
ENSG00000103932	15	RPAP1	41809374	rs2297380	15	41819322	T	C	0.43837	-0.0054915	0.00812691	0.499223	0.40452	0.0711713	1.32E-08	-0.0135752	0.0202317	0.5022289	0.9202396	6	0.8715001
ENSG00000243789	15	JMJD7	42120283	rs2077543	15	42132200	G	C	0.542744	0.0111725	0.00810565	0.168094	0.447019	0.0805469	2.86E-08	0.0249933	0.0186836	0.180988	0.5114587	9	0.70330236
ENSG00000137877	15	SPTBN5	42140345	rs11070353	15	42191519	A	G	0.411531	-0.0168219	0.00828742	0.042376	-0.631522	0.0879918	7.12E-13	0.0266371	0.0136377	0.05079604	0.8994871	11	0.54819201
ENSG00000168803	15	ADAL	43622872	rs3809481	15	43662829	A	G	0.105368	0.0177062	0.0185766	0.340518	-1.00416	0.131037	1.81E-14	-0.0176328	0.0186422	0.3442215	0.02524229	20	0.78803136
ENSG00000205771	15	CATSPER2P1	44019116	rs72721503	15	43260607	C	G	0.028827	-0.0116533	0.0196075	0.552294	-1.46462	0.249051	4.08E-09	0.00795653	0.0134556	0.5543083	0.357846	12	0.88493053
ENSG00000259479	15	CTD-2008A1.2	45118569	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	1.51051	0.215281	2.28E-12	0.00455202	0.0138626	0.7426337	0.2749348	11	0.91877118

ENSG00000259539	15	CTD-2651B20.1	45444862	rs2256257	15	45446432	C	T	0.661034	-0.0205125	0.00848424	0.0156178	0.664983	0.119677	2.75E-08	-0.0308467	0.013914	0.02662681	0.3037506	3	0.45343891
ENSG00000138606	15	SHF	45459412	rs1648306	15	45468626	C	T	0.867793	0.0212413	0.0115409	0.0656916	-1.08948	0.113526	8.25E-22	-0.0194967	0.0107861	0.07067177	0.05052152	20	0.58941739
ENSG00000259520	15	CTD-2651B20.3	45543884	rs1706827	15	45495912	G	A	0.552684	-0.008644	0.00806684	0.283924	0.897758	0.100624	4.58E-19	-0.0096284	0.00905011	0.2873739	0.5112908	20	0.76092064
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.925369	0.100039	2.24E-20	-0.0056835	0.00886233	0.52132	0.4245547	20	0.87377566
ENSG00000171763	15	SPATA5L1	45694529	rs1618874	15	45622786	G	A	0.272366	0.0127675	0.00870518	0.14247	0.735315	0.110432	2.77E-11	0.0173633	0.0121225	0.1520521	0.5284511	6	0.67136051
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.773269	0.0610839	9.96E-37	0.00796577	0.0119631	0.5054979	0.2611539	19	0.87368145
ENSG00000047346	15	FAM214A	52873514	rs11633933	15	52948357	C	T	0.777336	0.00983111	0.0104499	0.346815	0.466166	0.0812479	9.60E-09	0.0210893	0.022716	0.3532066	0.6167094	4	0.79157371
ENSG00000245975	15	RP11-30K9.6	59060271	rs17269439	15	59063144	A	C	0.0298211	-0.0028142	0.0244086	0.908212	0.95692	0.148427	1.14E-10	-0.0029408	0.0255115	0.9082272	0.4241268	9	0.97482371
ENSG00000103642	15	LACTB	63413999	rs145418989	15	63414725	C	G	0.496024	-0.0070725	0.00805542	0.379957	0.607807	0.0659295	3.00E-20	-0.011636	0.0133132	0.382107	0.2863257	20	0.81204283
ENSG00000166938	15	DIS3L	66585555	rs56233204	15	66566278	T	C	0.0934394	-0.0089833	0.0165235	0.58667	-0.612537	0.099655	7.92E-10	0.0146657	0.0270808	0.5881267	0.5702298	5	0.89416429
ENSG00000075131	15	TIPIN	66628544	rs62010229	15	66752406	C	G	0.107356	-0.0010957	0.0149076	0.941412	1.43839	0.186759	1.34E-14	-0.0007617	0.0103646	0.941414	0.9046433	4	0.98530027
ENSG00000260657	15	RP11-315D16.4	68560130	rs10444850	15	68588935	A	G	0.352883	0.00111447	0.00899839	0.901432	0.951057	0.102154	1.28E-20	0.00117182	0.0094623	0.901441	0.9882616	18	0.97482371
ENSG00000166173	15	LARP6	71123863	rs4777324	15	71163503	C	T	0.609344	0.00277179	0.00803062	0.72998	-0.403101	0.0720577	2.22E-08	-0.0068762	0.01996	0.7304721	0.7882909	4	0.91827118
ENSG00000138621	15	PPCDC	75315896	rs3812946	15	75288610	C	G	0.0795229	-0.0249856	0.0132958	0.0602171	0.678967	0.120559	1.78E-08	-0.0367994	0.0206438	0.07465275	0.4835286	10	0.58941739
ENSG00000140400	15	MAN2C1	75648133	rs7171507	15	75737287	C	T	0.2833	-0.0003879	0.0100034	0.969065	0.622356	0.0727655	1.20E-17	-0.0006233	0.0160736	0.9690657	0.5748881	10	0.98899361
ENSG00000173517	15	PEAK1	77400471	rs71407208	15	77641632	T	C	0.22167	-0.0144236	0.0100384	0.15076	0.67888	0.0945282	6.88E-13	-0.0212462	0.0150797	0.1588583	0.0380262	20	0.67645458
ENSG00000169783	15	LINGO1	77905369	rs4886883	15	77888924	G	A	0.643141	0.0116518	0.00846978	0.168917	-0.440103	0.0761798	7.60E-09	-0.0264752	0.0197831	0.1808079	0.8460458	7	0.70330236
ENSG00000260776	15	RP11-114H24.2	78206559	rs11630788	15	78234836	T	C	0.481113	0.0041288	0.00814076	0.612032	0.947987	0.0907052	1.45E-25	0.00435533	0.00859752	0.6124495	0.07802512	20	0.89698548
ENSG00000214646	15	RP11-114H24.4	78232253	rs12592202	15	78248191	G	A	0.475149	0.00586559	0.00813431	0.470853	0.605355	0.10657	1.34E-08	0.0096895	0.0135451	0.4743918	0.1757101	8	0.86343574
ENSG00000169684	15	CHRNA5	78857862	rs7164030	15	78844661	A	G	0.624254	-0.0019536	0.00829898	0.813898	-0.870156	0.109437	1.85E-15	0.00224509	0.00954153	0.8139783	0.9839251	20	0.95856292
ENSG00000058335	15	RASGRF1	79252289	rs1443656	15	79309970	G	A	0.111332	-0.0023604	0.0187669	0.899908	0.459868	0.0753176	1.02E-09	-0.0051329	0.040818	0.8999298	0.4718123	4	0.97482371
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.893844	0.0908744	7.88E-23	-0.0049832	0.0090876	0.5834498	0.5824728	10	0.89212351
ENSG00000259495	15	RP11-210M15.2	80637195	rs1446334	15	80699713	G	A	0.156064	0.00030423	0.0103436	0.976536	-0.981007	0.129623	3.79E-14	-0.0003101	0.0105439	0.9765358	0.1187985	10	0.9912361
ENSG00000117899	15	MESDC2	81239667	rs73491809	15	81318969	A	G	0.143141	0.00708879	0.0150523	0.63768	0.491342	0.0803007	9.43E-10	0.0144274	0.0307257	0.6386728	0.6740977	4	0.90242996
ENSG00000188659	15	FAM154B	82555151	rs113413540	15	82581577	G	A	0.0337972	-0.0098845	0.0178084	0.578862	1.59504	0.251859	2.40E-10	-0.006197	0.0112077	0.580313	0.7256449	9	0.88889213
ENSG00000169609	15	C15orf40	83657193	rs62011744	15	83650753	C	T	0.191849	-0.0107903	0.0100485	0.282902	-0.636968	0.100069	1.95E-10	0.0169401	0.0159984	0.2896634	0.5382466	19	0.76092064
ENSG00000184206	15	GOLGA6L4	84904525	rs12595694	15	84815775	T	A	0.484095	0.0101072	0.00805905	0.209792	0.746538	0.12457	2.06E-09	0.0135388	0.0110291	0.2196156	0.846341	4	0.74020581
ENSG00000230373	15	GOLGA6L5	85051116	rs8023310	15	85129486	T	G	0.764414	-0.0062369	0.00963528	0.517438	-0.733653	0.112333	6.53E-11	0.00850119	0.0131976	0.5194819	0.8605179	6	0.87377566
ENSG00000188388	15	GOLGA6L3	85783703	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.794028	0.136297	5.69E-09	0.00904867	0.0131179	0.4903223	0.2825015	4	0.86641896
ENSG00000140545	15	MFGE8	89441916	rs8035096	15	89481352	T	C	0.676938	-0.0070796	0.0084391	0.40152	0.807208	0.101123	1.43E-15	-0.0087705	0.0105123	0.4041037	0.1352336	13	0.83068417
ENSG00000261478	15	RP11-429B14.4	90052192	rs62023065	15	90042617	T	C	0.341948	0.00189288	0.00840081	0.82173	0.613019	0.0921784	2.92E-11	0.0030878	0.0137119	0.82183	0.9089688	5	0.95999913
ENSG00000140575	15	IQGAP1	90931450	rs16944424	15	90983465	G	A	0.17495	-0.0124461	0.0101313	0.219267	0.841383	0.0774275	1.66E-27	-0.0147924	0.0121179	0.222198	0.01191021	20	0.74020581
ENSG00000260337	15	RP11-386M24.6	93138790	rs3825982	15	93160245	A	G	0.153082	-0.0030539	0.01162	0.792693	0.808914	0.14372	1.82E-08	-0.0037753	0.0143806	0.7929143	0.9090623	7	0.94975557
ENSG00000258741	15	RP11-386M24.4	93258989	rs7162983	15	93274581	A	G	0.243539	-0.0045948	0.00963528	0.633451	-0.793851	0.129008	7.58E-10	0.00578803	0.0121738	0.6344662	0.06382688	7	0.90242996
ENSG00000260361	15	CTD-2313J17.5	93322987	rs59754529	15	93325750	C	G	0.238569	0.00366919	0.00929938	0.693166	0.757923	0.130664	6.61E-09	0.00484111	0.0122979	0.6938371	0.9249876	8	0.90615226
ENSG00000103852	15	TTC23	99676528	rs56315393	15	99791339	C	A	0.476143	-0.000672	0.00810379	0.933914	-0.678925	0.0758136	3.39E-19	0.00098977	0.0119367	0.9339166	0.2027765	20	0.98435263
ENSG00000183060	15	LYSMD4	100255902	rs35747287	15	100273607	C	G	0.682903	-0.0006434	0.00862168	0.940509	-1.09521	0.107873	3.22E-24	0.00058751	0.00787238	0.9405102	0.3306129	20	0.98530027
ENSG00000182397	15	DNM1P46	100330361	rs56285586	15	100360378	T	G	0.203777	0.00357788	0.00944757	0.704904	0.873173	0.143462	1.15E-09	0.00409756	0.0108407	0.7054469	0.8793476	12	0.90615226
ENSG00000259363	15	CTD-2054N24.2	100347228	rs1561048	15	100415574	T	C	0.237575	0.00805523	0.00911562	0.376873	-0.953072	0.137384	4.00E-12	-0.0084519	0.00964174	0.3807093	0.9510951	19	0.81204283
ENSG00000154227	15	CERS3	100940600	rs36053285	15	101114640	C	T	0.429423	-0.0033229	0.00812829	0.682686	-0.712221	0.102404	3.53E-12	0.00466549	0.0114323	0.6832021	0.3030757	14	0.90615226
ENSG00000270127	15	RP11-526I2.5	101087972	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-0.966893	0.0923955	1.25E-25	0.00302018	0.00840185	0.7192467	0.1564173	19	0.91266332
ENSG00000259205	15	PRKXP1	101093734	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-0.850398	0.0954511	5.14E-19	0.00343391	0.00955495	0.7193069	0.1836948	17	0.91266332
ENSG00000259658	15	RP11-89K11.1	102277302	rs1052887	15	102277480	C	G	0.225646	0.00968434	0.0100633	0.335875	0.808871	0.121087	2.39E-11	0.0119727	0.0125696	0.3408389	0.184193	20	0.78634727
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.896834	0.111864	1.08E-15	0.00552606	0.0117959	0.6394467	0.6704853	12	0.90242996
ENSG00000226942	16	IL9RP3	79336	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-0.799087	0.136056	4.27E-09	0.00620203	0.0132583	0.6399394	0.4603753	4	0.90242996
ENSG00000103148	16	NPRL3	134273	rs2541606	16	189971	C	T	0.410537	-0.0013298	0.00810925	0.869745	-0.501917	0.0916255	4.30E-08	0.00264938	0.0161638	0.8698032	0.5221008	5	0.97265415
ENSG00000242173	16	ARHGDIG	318726	rs7200589	16	349331	A	G	0.239563	-0.0134035	0.0096706	0.165746	-0.595714	0.106001	1.91E-08	0.0224999	0.01672	0.1784045	0.08056961	9	0.70330236
ENSG00000185615	16	PDIA2	333152	rs7200589	16	349331	A	G	0.239563	-0.0134035	0.0096706	0.165746	-0.82433	0.126501	7.20E-11	0.0162599	0.0119939	0.1752013	0.1119703	11	0.70330236
ENSG00000242612	16	DECR2	451826	rs2363759	16	449178	G	T	0.362823	0.0097021	0.0081174	0.232	0.703483	0.105826	2.98E-11	0.0137915	0.0117239	0.2394514	0.2383974	12	0.74672726
ENSG00000127578	16	WFIKKN1	679239	rs35915772	16	679274	A	G	0.254473	0.0232637	0.00860796	0.0068805	0.881768	0.105153	5.05E-17	0.026383	0.0102566	0.01010292	0.3028344	14	0.34409357
ENSG00000130731	16	C16orf13	684429	rs117667029	16	686337	A	G	0.137177	0.0202903	0.0101436	0.0454663	0.685471	0.0884776	9.38E-15	0.0296005	0.0152833	0.05277084	0.1592954	8	0.54968759
ENSG00000103245	16	NARFL	779753	rs61112891	16	783156	C	G	0.215706	-0.0008563	0.00867704	0.921388	0.503299	0.085593	4.10E-09	-0.0017014	0.0172428	0.9213995	0.3922722	11	0.97711701
ENSG00000197599	16	CCDC154	1484384	rs71380262	16	1492413	C	T	0.0854871	0.00630749	0.0165484	0.703089	0.794347	0.133416	2.62E-09	0.00794047	0.0208754	0.7036668	0.4767582	20	0.90615226
ENSG00000063854	16	HAGH	1845621	rs8044343	16	1881145	C	G	0.318091	-0.0082605	0.00822016	0.314939	0.80956	0.0851209	1.89E-21	-0.0102037	0.0102104	0.3176255	0.6257289	20	0.76582138
ENSG00000180185	16	FAHD1	1876968	rs11248898	16	1893809	A	G	0.180915	-0.000692	0.00929329	0.940639	1.11573	0.132382	3.51E-17	-0.0006203	0.00832966	0.9406412	0.2441375	16	0.98530027
ENSG00000255513	16	AC005363.9	2013746	rs72764892	16	2013715	G	C	0.139165	-0.0003976	0.0117533	0.973012	0.932302	0.123099	3.63E-14	-0.0004265	0.0126069	0.9730126	0.5110419	13	0.99069337
ENSG00000167965	16	MLST8	2254249	rs27381	16	2239402	T	C	0.412525	-0.0091295	0.00810515	0.260006	0.415241	0.0694496	2.24E-09	-0.0219859	0.0198625	0.2683342	0.3195814	16	0.75499306
ENSG00000261613	16	RP11-20I23.13	2604061	rs34175424	16	2725045	A	G	0.262425	0.00700115	0.00917309	0.445328	1.2702	0.135405	6.55E-21	0.00551185	0.00724563	0.4468283	0.3548667	10	0.85657081
ENSG00000260565	16	ERVK13-1	2710350	rs11648529	16	2725256	G	A	0.413519	0.00782258	0.00846913	0.355664	-0.769965	0.08973	9.41E-18	-0.0101597	0.0110629	0.3584341	0.3495924	9	0.79157371
ENSG00000172460	16	PRSS30P	2889569	rs111838546	16	2909294	C	G	0.292247	0.00357256	0.00944604	0.705276	-0.692379	0.126471	4.38E-08	-0.0051598	0.0136754	0.7059448	0.646283	4	0.90615226
ENSG00000263280	16	LA16c-325D7.2	2916349	rs886287	16	2916791	C	G	0.409543	0.00287241	0.00858827	0.738035	0.754815	0.0894632	3.25E-17	0.00380545	0.0113869	0.7382325	0.3347705	12	0.91827118
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.905239	0.073672	1.06E-34	0.00907028	0.00908096	0.3178798	0.3989638	20	0.76582138
ENSG00000272079	16	LA16c-380H5.5	3056121	rs12917920	16	3054088	C	G	0.614314	-0.0098243	0.00819744	0.230739	0.708602	0.101414	2.80E-12	-0.0138643	0.0117374	0.2375202	0.5896737	20	0.74672726
ENSG00000263072	16	RP11-473M20.14	3166043	rs4785929	16	3183409	A	G	0.377734	0.0170595	0.00855881	0.0462381	0.473508	0.0734379	1.14E-10	0.0360279	0.0189193	0.05687182	0.312353	8	0.5610297
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	0.873639	0.106078	1.78E-16	0.0212561	0.0162361	0.190469	0.00010834	20	0.71611397
ENSG00000167984	16	NLRC3	3589033	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	-0.778416	0.137344	1.45E-08	-0.0238564	0.0184764	0.1966397	0.2618385	4	0.72334703
ENSG00000126602	16	TRAP1	3701640	rs4786429	16	3728517	T	C	0.715706	0.00050418	0.00957198	0.957993	0.698048	0.0928611	5.60E-14	0.00072227	0.0137128	0.9579942	0.03431234	10	0.98571272
ENSG00000153406	16	NMRAL1	4511681	rs863501	16	4588394	C	G	0.2833	0.00608212	0.00954683	0.524071	0.505724	0.0699485	4.83E-13	0.0120266	0.0189507	0.5256739	0.05012779	11	0.87377566
ENSG00000102858	16	MGRN1	4666494	rs841225	16	4736316	T	C	0.563618	0.00528654	0.00820573	0.519413	0.843991	0.0662939	3.97E-37	0.00626374	0.00973497	0.5199474	0.6812754	20	0.87377566
ENSG00000168096	16	ANKS3	4746513	rs841217	16	4746392	C	T	0.545726	0.00592959	0.00811434	0.464929	-0.366972	0.0622721	3.79E-09	-0.0161582	0.022281	0.4683293	0.1058891	20	0.86231368
ENSG00000103199	16	ZNF500	4798240	rs4786546	16	4814767	A	G	0.604374	0.0143748	0.00831206	0.0837394	-0.385795	0.0610162	2.57E-10	-0.0372602	0.0223367	0.09529201	0.1420549	16	0.61532078
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.957545	0.0981882	1.81E-22	0.00413362	0.00850928	0.6271243	0.1046057	20	0.90242996
ENSG00000267795	16	SMIM22	4838398	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.46794	0.0787874	2.86E-09	0.00845863	0.0174491	0.627847	0.127906	12	0.90242996
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	1.07825	0.0980285	3.85E-28	-0.0192752	0.00959035	0.04444656	0.01744864	20	0.51151367
ENSG00000183454	16	GRIN2A	9852376	rs12932206	16	10066021	G	A	0.406561	6.63E-05	0.00831362	0.99364	0.628055	0.0791439	2.09E-15	0.00010552	0.0132371	0.9936399	0.07157858	20	0.99766041
ENSG00000175643	16	RMI2	11343476	rs12149160	16	11439303	T	G	0.519881	-0.0031603	0.00813255	0.697572	-0.632813	0.109825	8.31E-09	0.00499407	0.0128806	0.6982237	0.9066143	5	0.90615226
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.17267	0.0967626	8.37E-34	0.00469952	0.00689543	0.4955289	0.03732704	20	0.86833637
ENSG00000183426	16	NPIPA1	15016659	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	-0.592939	0.103205	9.18E-09	0.0302913	0.0147844	0.04047439	0.9140334	4	0.48822233
ENSG00000179889	16	PDXDC1	15068448	rs4985155	16	15129459	G	A	0.33499	0.0103977	0.00849374	0.220892	0.444764	0.0747868	2.73E-09	0.023378	0.0194976	0.2305194	0.235405	8	0.74020581
ENSG00000183793	16	NPIPA5	15457516	rs3198697	16	15129940	T	C	0.397614	-0.0179609	0.00818984	0.0283022	0.97227	0.124417	5.51E-15	-0.0184732	0.00874884	0.03472949	0.4148742	14	0.47400007
ENSG00000072864	16	NDE1	15737124	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	-0.450131	0.0633592	1.21E-12	-0.0034346	0.0204328	0.8665112	0.3318985	18	0.97265415
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	1.11674	0.0926124	1.76E-33	0.0013844	0.00823445	0.866487	0.3232637	20	0.97265415
ENSG00000263065	16	AF001548.6	15835008	rs7196939	16	15862898	A	G	0.265408	-0.0065359	0.00916724	0.475867	1.02915	0.103324	2.27E-23	-0.0063508	0.00893037	0.4769942	0.1750855	20	0.86343574
ENSG00000091262	16	ABCC6	16242785	rs2316389	16	16636423	G	C	0.348907	-0.0004694	0.00879749	0.957448	-0.490572	0.0895715	4.33E-08	0.00095685	0.017934	0.9574499	0.08188081	5	0.98571272
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-1.11668	0.121655	4.35E-20	-0.0142463	0.00980924	0.1464074	0.9621809	12	0.67136051
ENSG00000227827	16	RP11-958N24.2	16450081	rs62030357	16	16306192	T	G	0.201789	0.0128319	0.012515	0.305209	1.0318	0.132618	7.24E-15	0.0124364	0.0122342	0.3093759	0.3928688	7	0.76331456
ENSG00000261210	16	CLEC19A	19297061	rs111532635	16	19317417	G	A	0.213718	-0.0085737	0.00874205	0.32672	-0.61182	0.103962	3.98E-09	0.0140134	0.0144857	0.3333441	0.8697585	4	0.78122171
ENSG00000103550	16	KNOP1	19714902	rs11647001	16	19771577	A	G	0.15507	0.0220087	0.0116098	0.0579989	1.21039	0.135095	3.26E-19	0.0181831	0.00980414	0.06364756	0.02265056	20	0.58187269
ENSG00000261195	16	CTD-2380F24.1	19772494	rs2047889	16	19777705	A	C	0.16004	0.0211608	0.0115078	0.0659417	-0.718851	0.126859	1.46E-08	-0.029437	0.0168304	0.08028474	0.1259436	12	0.60302628
ENSG00000103316	16	CRYM	21250195	rs113165418	16	21238207	T	C	0.0178926	-0.0342057	0.0243587	0.160244	2.01905	0.269509	6.80E-14	-0.0169415	0.0122745	0.1675213	0.7130881	4	0.68628419
ENSG00000158865	16	SLC5A11	24857162	rs55954168	16	24949543	C	G	0.0934394	0.0140381	0.0160882	0.382898	-0.659694	0.118045	2.29E-08	-0.0212797	0.0246828	0.3886184	0.5270929	7	0.81252804
ENSG00000259954	16	IL21R-AS1	27458990	rs2012015	16	27599492	C	T	0.841948	-0.0377819	0.0122808	0.0020944	0.930629	0.127004	2.34E-13	-0.0405982	0.0143121	0.00455927	0.2644914	11	0.2734387
ENSG00000261329	16	CTD-2049O4.1	27690261	rs61734902	16	27761040	T	C	0.082505	-0.0054148	0.0137081	0.692842	-0.679307	0.118872	1.10E-08	0.00797099	0.0202277	0.6935342	0.415149	3	0.90615226
ENSG00000197165	16	SULT1A2	28603264	rs743590	16	28608230	A	G	0.326044	-0.0067086	0.00808517	0.406686	0.769361	0.118144	7.41E-11	-0.0087197	0.0105939	0.4104592	0.4602183	19	0.83653594
ENSG00000103472	16	RRN3P2	29086163	rs2256528	16	29124661	T	G	0.533797	-0.0101029	0.00815796	0.215564	-0.543472	0.0723894	6.02E-14	0.0185896	0.0152137	0.2217462	0.9910763	18	0.74020581
ENSG00000259807	16	RP11-426C22.4	29228491	rs153213	16	29234201	T	C	0.16998	-0.0186447	0.0122695	0.128612	-0.550742	0.0946003	5.82E-09	0.0338538	0.0230245	0.1414711	0.3317597	12	0.67136051
ENSG00000183336	16	BOLA2	29464914	rs140935476	16	30343236	A	G	0.430417	-0.0115948	0.00826366	0.160585	-0.598542	0.0957587	4.09E-10	0.0193717	0.0141499	0.1709875	0.0300438	8	0.69556273
ENSG00000169203	16	RP11-231C14.4	29495010	rs11644392	16	30328317	C	T	0.430417	-0.010681	0.00826377	0.196181	0.606776	0.099344	1.01E-09	-0.0176029	0.0139207	0.2060483	0.142875	13	0.72873407
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.661321	0.107059	6.53E-10	0.0157412	0.0136643	0.2493219	0.1668319	3	0.75499306
ENSG00000149922	16	TBX6	30097114	rs3809627	16	30103160	A	C	0.416501	0.0231229	0.00805391	0.00409157	-0.407889	0.0727155	2.03E-08	-0.0566892	0.0221814	0.01059704	0.4378248	4	0.34730299
ENSG00000090238	16	YPEL3	30103635	rs62057756	16	30117253	A	G	0.379722	-0.0268153	0.00841258	0.00143496	0.423643	0.069846	1.32E-09	-0.0632969	0.0224329	0.00477826	0.8005327	7	0.2734387
ENSG00000260911	16	RP11-196G11.2	31054471	rs59924013	16	31109290	T	G	0.363817	-0.0033619	0.00823276	0.683011	0.463131	0.070357	4.62E-11	-0.0072591	0.0178105	0.6835855	0.6306384	13	0.90615226
ENSG00000261239	16	ANKRD26P1	46503253	rs17734120	16	46648358	A	G	0.472167	-0.0045754	0.00819212	0.576496	-0.767479	0.120159	1.69E-10	0.00596158	0.0107148	0.5779456	0.2372151	5	0.88835479
ENSG00000155393	16	HEATR3	50099852	rs10852606	16	50128872	C	T	0.712724	0.00053485	0.00954195	0.9553	0.964466	0.0919851	1.01E-25	0.00055455	0.00989365	0.9553011	0.1031071	20	0.98571272
ENSG00000260057	16	RP11-7O14.1	51796430	rs8059235	16	51797252	A	G	0.699801	-0.0153518	0.00923434	0.0964184	-0.715673	0.118091	1.36E-09	0.0214509	0.0133797	0.1088817	0.7567912	3	0.63465608
ENSG00000103479	16	RBL2	53467889	rs17800577	16	53476804	A	G	0.459245	0.00080921	0.00840489	0.923299	-0.356916	0.0559376	1.76E-10	-0.0022672	0.0235513	0.9233082	0.2831472	5	0.97851516
ENSG00000260135	16	RP11-212I21.2	55461470	rs2540716	16	55477447	T	C	0.664016	0.00491315	0.00937221	0.600123	-0.614504	0.108253	1.37E-08	-0.0079953	0.0153166	0.6016675	0.7706152	6	0.89456808
ENSG00000102900	16	NUP93	56764017	rs9938980	16	56841714	T	C	0.380716	0.00326163	0.00862232	0.705224	-0.51757	0.0641152	6.89E-16	-0.0063018	0.0166775	0.7055324	0.168011	15	0.90615226
ENSG00000070761	16	C16orf80	58147496	rs8060825	16	58134288	A	G	0.0467197	0.0182765	0.0197505	0.354773	-0.666616	0.104449	1.75E-10	-0.0274168	0.0299378	0.3597755	0.1377077	10	0.79157371
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	1.04574	0.0929647	2.35E-29	-0.0139782	0.00812696	0.08543541	0.2004899	20	0.61234768
ENSG00000260465	16	RP11-63M22.2	66754800	rs8054044	16	66814149	C	T	0.349901	-0.0277848	0.00848397	0.00105672	-0.290113	0.0530223	4.46E-08	0.0957723	0.0340819	0.00495312	0.00852387	7	0.2734387
ENSG00000141076	16	CIRH1A	69165194	rs75086474	16	69431163	A	G	0.0308151	0.0462288	0.0246438	0.0606722	-1.62409	0.276316	4.16E-09	-0.0284644	0.015928	0.07392605	0.6164996	7	0.58941739
ENSG00000198373	16	WWP2	69796209	rs4985460	16	69964374	A	G	0.390656	-0.0065562	0.00808809	0.417599	0.574439	0.0721805	1.74E-15	-0.0114131	0.0141528	0.4200002	0.7482097	15	0.84130138
ENSG00000157322	16	CLEC18A	69984810	rs62053265	16	69977302	A	C	0.43837	-0.0026106	0.00807982	0.746624	-0.994239	0.115462	7.24E-18	0.00262568	0.00813236	0.7467953	0.00659208	20	0.92260557
ENSG00000226232	16	RP11-419C5.2	70010291	rs1971722	16	70112729	A	G	0.792247	-0.0081865	0.0106787	0.443307	-1.10905	0.102951	4.64E-27	0.00738154	0.00965304	0.4444587	0.1132445	20	0.85657081
ENSG00000255185	16	PDXDC2P	70044654	rs34729113	16	70060439	C	T	0.404573	-0.004183	0.00809008	0.605117	-0.668511	0.0850589	3.86E-15	0.00625722	0.0121278	0.6058962	0.08986332	20	0.89474607
ENSG00000261556	16	RP11-296I10.6	70253477	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.613859	0.0739454	1.03E-16	0.0393691	0.0142331	0.00567434	0.02314101	20	0.27378691
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.983772	0.0842837	1.77E-31	0.0245658	0.00863418	0.0044387	0.01581404	20	0.2734387
ENSG00000261777	16	RP11-529K1.2	70349543	rs147110528	16	70657559	T	A	0.0168986	-0.0461412	0.114519	0.687013	1.92668	0.348879	3.34E-08	-0.0239486	0.0595965	0.6877981	0.02701753	3	0.90615226
ENSG00000040199	16	PHLPP2	71671738	rs6499539	16	71806314	A	G	0.526839	0.00792647	0.00805938	0.325357	-0.385487	0.0706553	4.87E-08	-0.0205622	0.021244	0.3330903	0.03999569	6	0.78122171
ENSG00000102967	16	DHODH	72042487	rs3213422	16	72042682	C	A	0.49006	-0.0052152	0.00807601	0.518435	-0.55589	0.0854781	7.86E-11	0.00938164	0.0145995	0.5204842	0.005591	4	0.87377566
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	1.10397	0.131863	5.66E-17	0.00798663	0.00930255	0.3905935	0.00205143	18	0.81252804
ENSG00000103111	16	MON1B	77224732	rs12599598	16	77261152	A	G	0.225646	-0.0265467	0.0100618	0.00833086	0.427508	0.0778555	4.00E-08	-0.0620964	0.0261118	0.01740227	0.1544815	5	0.40066373
ENSG00000205078	16	SYCE1L	77233294	rs2278046	16	77247077	T	C	0.272366	-0.0148326	0.00881882	0.0925827	1.02143	0.0907779	2.26E-29	-0.0145214	0.00872972	0.09622349	0.2571475	20	0.61532078
ENSG00000140873	16	ADAMTS18	77281710	rs866924	16	77389312	C	G	0.590457	0.00171785	0.00805991	0.831221	-1.12399	0.0955186	5.76E-32	-0.0015284	0.00717198	0.8312488	0.5780789	20	0.96550704
ENSG00000261390	16	RP11-345M22.2	79750622	rs11642836	16	79753625	A	G	0.405567	0.0131196	0.00849012	0.12228	-0.751836	0.095528	3.54E-15	-0.0174501	0.0115081	0.1294366	0.4318848	12	0.65828222
ENSG00000260213	16	RP11-303E16.3	81050397	rs1453328	16	81052845	A	G	0.232604	-0.0033246	0.00866863	0.701337	-0.814781	0.116995	3.30E-12	0.00408031	0.0106553	0.7017672	0.5387851	20	0.90615226
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.605838	0.0739019	2.45E-16	-0.0045734	0.0133468	0.7318578	0.2162172	20	0.91827118
ENSG00000270020	16	RP11-463O9.9	86553989	rs9939936	16	86561481	G	T	0.605368	0.00502437	0.00847504	0.553286	-0.809859	0.109732	1.58E-13	-0.006204	0.0104985	0.5545608	0.1077716	11	0.88493053
ENSG00000226180	16	AC010536.1	87727144	rs9934565	16	87764267	T	A	0.461233	0.00961517	0.00825818	0.244294	0.639036	0.10897	4.51E-09	0.0150464	0.0131751	0.2534418	0.4518051	8	0.75499306
ENSG00000261327	16	RP11-863P13.3	88210904	rs7201348	16	88220486	A	G	0.315109	-0.0107977	0.00853881	0.206034	-0.723526	0.0890046	4.33E-16	0.0149237	0.0119436	0.2114763	0.3203821	8	0.72873407
ENSG00000185324	16	CDK10	89747145	rs76888998	16	89884310	T	G	0.0685885	0.00832836	0.0157587	0.597158	-0.984514	0.136168	4.82E-13	-0.0084594	0.0160493	0.5981335	0.9137449	20	0.89456808
ENSG00000204991	16	SPIRE2	89884587	rs11076633	16	89886392	G	C	0.303181	-0.0137839	0.00835957	0.0991722	0.410844	0.065635	3.86E-10	-0.0335502	0.0210414	0.1108276	0.8469138	13	0.64016215
ENSG00000181031	17	RPH3AL	62293	rs8066107	17	66675	A	G	0.680915	0.00010537	0.00856656	0.990186	-0.800836	0.0961298	8.03E-17	-0.0001316	0.010697	0.9901862	0.9549485	9	0.99755759
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	0.863781	0.100891	1.11E-17	0.0136939	0.0109121	0.2095042	0.59112	9	0.72873407
ENSG00000167711	17	SERPINF2	1646130	rs10438725	17	1651165	T	C	0.220676	-0.001679	0.00995122	0.866016	0.646519	0.105469	8.79E-10	-0.002597	0.0153978	0.8660655	0.8867258	5	0.97265415
ENSG00000132383	17	RPA1	1732996	rs3809875	17	1703543	C	G	0.277336	-0.0083288	0.00925924	0.368381	0.457866	0.0760916	1.77E-09	-0.0181905	0.0204473	0.3736667	0.3932279	5	0.80829272
ENSG00000108963	17	DPH1	1933404	rs6503188	17	1950408	T	G	0.379722	0.0011351	0.00864471	0.895534	-0.415187	0.0721063	8.51E-09	-0.002734	0.0208267	0.8955605	0.1296603	5	0.97482371
ENSG00000167720	17	SRR	2206677	rs3744270	17	2207326	A	G	0.341948	0.0117644	0.00853037	0.167857	-0.637822	0.088998	7.68E-13	-0.0184446	0.0136196	0.1756495	0.1093215	20	0.70330236
ENSG00000221882	17	OR3A2	3181193	rs150985	17	3307468	T	A	0.474155	0.00482552	0.00811524	0.552094	-0.805433	0.107887	8.30E-14	-0.0059912	0.0101075	0.5533503	0.7166565	17	0.88493053
ENSG00000197417	17	SHPK	3511556	rs62069928	17	3514598	T	C	0.241551	0.0136324	0.00925157	0.140611	0.818298	0.0894501	5.79E-20	0.0166595	0.0114516	0.1457325	0.2114941	9	0.67136051
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-1.22343	0.147892	1.31E-16	0.011371	0.0110341	0.3027611	0.3406806	14	0.76092064
ENSG00000167842	17	MIS12	5389605	rs1805431	17	5383251	G	A	0.163022	-0.0164961	0.00937068	0.0783412	-0.790666	0.14023	1.72E-08	0.0208636	0.0124158	0.09288018	0.7980065	4	0.6151674
ENSG00000132507	17	EIF5A	7210318	rs4796397	17	7207063	C	T	0.602386	0.0101961	0.0089781	0.256098	-0.459899	0.0726284	2.42E-10	-0.0221703	0.0198334	0.2636404	0.03856173	10	0.75499306
ENSG00000239697	17	TNFSF12	7452208	rs80067372	17	7452752	A	G	0.265408	-0.0063655	0.0093363	0.495365	0.350683	0.0621961	1.72E-08	-0.0181517	0.0268171	0.4984888	0.5280599	11	0.86833637
ENSG00000109047	17	RCVRN	9799637	rs2270121	17	9816671	G	A	0.563618	-0.0119718	0.00811789	0.140282	-1.11419	0.124946	4.78E-19	0.0107448	0.00738488	0.1456748	0.01576836	14	0.67136051
ENSG00000133028	17	SCO1	10583654	rs9898817	17	10610213	G	A	0.472167	0.0123869	0.00810847	0.126599	0.440499	0.075072	4.42E-09	0.0281202	0.0190211	0.1393094	0.779408	4	0.66998905
ENSG00000187824	17	TMEM220	10602332	rs202306	17	10637282	G	C	0.486083	0.0109881	0.008098	0.174817	-0.562456	0.0810187	3.86E-12	-0.0195359	0.01467	0.1829612	0.9974916	7	0.70770156
ENSG00000006744	17	ELAC2	12895708	rs1044569	17	12895929	A	G	0.60338	0.00463236	0.00820743	0.572474	0.686526	0.075229	7.12E-20	0.00674754	0.0119779	0.5732074	0.03331436	13	0.88725573
ENSG00000141028	17	CDRT15P1	13927831	rs12600494	17	13827672	T	C	0.130219	-0.0086276	0.0116711	0.459766	1.04715	0.1846	1.41E-08	-0.0082391	0.0112398	0.4635394	0.281642	4	0.86231368
ENSG00000179277	17	MEIS3P1	15689932	rs534861	17	15690793	C	T	0.303181	-0.0069952	0.00864396	0.418364	-0.715534	0.101003	1.40E-12	0.00977625	0.012159	0.4213772	0.6276939	17	0.84130138
ENSG00000265519	17	CTD-3157E16.1	15691101	rs534861	17	15690793	C	T	0.303181	-0.0069952	0.00864396	0.418364	-0.652499	0.11908	4.26E-08	0.0107207	0.0133912	0.4233752	0.347251	7	0.84335175

ENSG00000170425	17	ADORA2B	15848231	rs1045599	17	15879910	T	C	0.570577	-0.0009432	0.00822599	0.908719	-0.586703	0.101093	6.49E-09	0.00160755	0.0140234	0.9087362	0.7959641	17	0.97482371
ENSG00000166582	17	CENPV	16245848	rs12603712	17	16245481	A	G	0.464215	0.00343096	0.00804944	0.669936	0.797807	0.074207	5.86E-27	0.00430049	0.0100974	0.6701798	0.5057305	20	0.90615226
ENSG00000131899	17	LLGL1	18128901	rs12451698	17	18237116	G	A	0.243539	-0.0010175	0.00917642	0.911709	-0.351277	0.054095	8.37E-11	0.0028966	0.0261268	0.9117219	0.6546552	8	0.97482371
ENSG00000176974	17	SHMT1	18231187	rs2688036	17	18262546	C	T	0.632207	0.00346406	0.00854233	0.685097	0.422803	0.0749694	1.70E-08	0.00819308	0.0202562	0.6858651	0.8820551	10	0.90615226
ENSG00000186831	17	KRT17P2	18330175	rs78256895	17	18531969	T	C	0.398608	-0.0031808	0.00831576	0.702094	0.716488	0.10112	1.39E-12	-0.0044394	0.0116232	0.7025055	0.9488682	8	0.90615226
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.02211	0.082583	3.49E-35	-0.0052874	0.00800472	0.5089082	0.8159422	20	0.87377566
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	1.12408	0.0829353	7.53E-42	-0.0048078	0.00727685	0.5088079	0.8089262	20	0.87377566
ENSG00000213077	17	FAM106A	18427880	rs6502661	17	18537660	G	T	0.538767	-0.0020449	0.00816726	0.802298	0.744902	0.0865472	7.51E-18	-0.0027452	0.0109688	0.80238	0.7553596	20	0.95342326
ENSG00000154874	17	CCDC144B	18441117	rs4324187	17	18501996	G	C	0.535785	-0.0059106	0.00816667	0.469217	0.583046	0.0929414	3.54E-10	-0.0101375	0.0140998	0.4721518	0.4329814	13	0.86238452
ENSG00000108448	17	TRIM16L	18601311	rs163367	17	18618644	G	A	0.811133	0.00330245	0.00978808	0.735819	0.471174	0.0796796	3.35E-09	0.00700898	0.0208076	0.7362321	0.8405129	8	0.91827118
ENSG00000171928	17	TVP23B	18684308	rs150839088	17	18716924	A	C	0.496024	0.0032569	0.00810543	0.687819	-0.640087	0.100508	1.91E-10	-0.0050882	0.0126882	0.6884057	0.7547376	5	0.90615226
ENSG00000141127	17	PRPSAP2	18743398	rs2892016	17	18786776	T	C	0.558648	0.00248926	0.00807943	0.758008	0.376626	0.067922	2.94E-08	0.00660937	0.0214852	0.7583685	0.9611265	5	0.93226191
ENSG00000189423	17	USP32P3	20318860	rs78041331	17	20208846	T	G	0.116302	0.0224541	0.0126375	0.0756049	0.599768	0.0996796	1.78E-09	0.037438	0.0219701	0.08837359	0.3156376	11	0.61234768
ENSG00000230528	17	NOS2P3	20339650	rs28664144	17	20320435	C	T	0.170974	0.0201	0.0116628	0.0848106	0.709479	0.124745	1.29E-08	0.0283306	0.0171767	0.09907276	0.04664992	12	0.61874997
ENSG00000007171	17	NOS2	26083792	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	-0.85746	0.108176	2.25E-15	0.0113696	0.0114944	0.3225963	0.4505302	9	0.77183164
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.532129	0.079379	2.03E-11	-0.0183207	0.0185792	0.3240916	0.495473	7	0.773279
ENSG00000237575	17	PYY2	26553589	rs4435306	17	26549716	G	T	0.527833	-0.0004457	0.00812165	0.956234	0.473483	0.0734084	1.12E-10	-0.0009414	0.0171536	0.9562359	0.115403	4	0.98571272
ENSG00000244045	17	TMEM199	26684604	rs11080055	17	26649724	C	A	0.49503	0.00059304	0.00809788	0.941619	0.420123	0.0590637	1.14E-12	0.0014116	0.019276	0.9416226	0.3126155	10	0.98530027
ENSG00000221995	17	TIAF1	27400537	rs8072008	17	27407775	C	G	0.340954	0.00431666	0.00853423	0.612994	-0.419706	0.0672857	4.44E-10	-0.010285	0.0204006	0.6141555	0.4711822	11	0.89840535
ENSG00000231421	17	AC006050.2	28900489	rs11655681	17	28969013	T	C	0.106362	0.00156552	0.0142904	0.912766	1.47349	0.145283	3.59E-24	0.00106246	0.0096989	0.912771	0.9170561	16	0.97482371
ENSG00000264538	17	SUZ12P	29036317	rs11654035	17	29136426	C	T	0.107356	0.00384037	0.0142578	0.787659	-1.09619	0.157874	3.83E-12	-0.0035034	0.0130165	0.7878144	0.9982511	10	0.94906789
ENSG00000073536	17	NLE1	33455772	rs8081443	17	33494536	A	G	0.383698	0.00787922	0.00849451	0.353632	0.739275	0.101813	3.84E-13	0.010658	0.0115837	0.3575262	0.7954915	7	0.79157371
ENSG00000267782	17	RP11-799D4.3	33491262	rs8081443	17	33494536	A	G	0.383698	0.00787922	0.00849451	0.353632	1.16843	0.0991887	4.96E-32	0.00674343	0.00729252	0.35512	0.6106652	13	0.79157371
ENSG00000266947	17	RP11-799D4.4	33558469	rs7213921	17	33497331	G	A	0.494036	0.00573467	0.00812412	0.480262	0.489305	0.0840091	5.73E-09	0.01172	0.0167249	0.4834563	0.6085323	6	0.86372807
ENSG00000166750	17	SLFN5	33570055	rs7213921	17	33497331	G	A	0.494036	0.00573467	0.00812412	0.480262	0.743947	0.0972105	1.96E-14	0.00770844	0.0109666	0.4821191	0.5095105	14	0.86372807
ENSG00000263874	17	LINC00672	37081421	rs1733805	17	37150505	T	G	0.865805	0.00733523	0.0145141	0.613287	0.7183	0.115471	4.95E-10	0.0102119	0.0202728	0.6144534	0.3262198	4	0.89840535
ENSG00000161395	17	PGAP3	37827375	rs903502	17	37829604	T	C	0.675944	0.00026813	0.00868401	0.975368	-0.427368	0.0748728	1.14E-08	-0.0006274	0.02032	0.9753686	0.8059707	15	0.9912361
ENSG00000266088	17	RP5-1028K7.2	38673278	rs9303289	17	38647473	G	A	0.415507	0.0103754	0.00838433	0.215909	0.85897	0.108541	2.50E-15	0.0120789	0.00987953	0.221474	0.3788609	8	0.74020581
ENSG00000141698	17	NT5C3B	39981335	rs9896980	17	39993222	A	G	0.727634	-0.0081293	0.00852572	0.340334	-0.611679	0.0702346	3.06E-18	0.0132902	0.0140215	0.3432101	0.3727105	16	0.78752436
ENSG00000037042	17	TUBG2	40811323	rs4028634	17	40835649	C	T	0.574553	0.0102523	0.00836135	0.220143	-0.590917	0.0909398	8.15E-11	-0.0173498	0.0143995	0.2282459	0.2168077	5	0.74020581
ENSG00000198496	17	NBR2	41277627	rs33946455	17	41321846	T	C	0.359841	0.020176	0.00828931	0.0149341	-1.20662	0.0856212	4.22E-45	-0.0167211	0.00697157	0.01646382	0.6928785	20	0.39871484
ENSG00000161653	17	NAGS	42081914	rs17611995	17	42102782	A	C	0.208748	-0.006042	0.0096043	0.52929	-0.692929	0.107237	1.04E-10	0.00871945	0.013926	0.5312305	0.5206704	5	0.87706746
ENSG00000013306	17	SLC25A39	42396993	rs850714	17	42417496	A	G	0.638171	-0.0221583	0.0087156	0.0110101	-0.443971	0.0772311	9.00E-09	0.0499093	0.0214652	0.02006495	0.1618873	13	0.41658613
ENSG00000161692	17	DBF4B	42785976	rs60736451	17	42676628	A	G	0.147117	0.0157725	0.0113212	0.163563	-0.830549	0.0932048	5.06E-19	-0.0189905	0.0137966	0.1686788	0.02887546	20	0.68795516
ENSG00000136448	17	NMT1	43128978	rs6503417	17	43144218	C	T	0.585487	0.0161445	0.00818385	0.0485266	-0.419793	0.0744988	1.75E-08	-0.0384582	0.0206551	0.06261411	0.00889733	14	0.57851441
ENSG00000181513	17	ACBD4	43209967	rs2291447	17	43212963	T	G	0.482107	0.00673966	0.00817103	0.409471	0.392553	0.0655719	2.14E-09	0.0171688	0.0210117	0.4138686	0.245598	3	0.83884453
ENSG00000214425	17	LRRC37A4P	43578685	rs62054822	17	43927708	G	A	0.240557	-0.0054665	0.0148306	0.712428	-1.23592	0.103723	9.82E-33	0.00442304	0.0120054	0.7125592	0.9998078	7	0.91182498
ENSG00000266918	17	RP11-798G7.8	43608943	rs62063287	17	44041992	T	G	0.192843	-0.0119232	0.0103112	0.247544	0.799461	0.144788	3.36E-08	-0.014914	0.0131775	0.2577257	0.3857259	3	0.75499306
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.19762	0.124511	6.68E-22	-0.0047732	0.01251	0.702792	0.9927436	9	0.90615226
ENSG00000263503	17	RP11-707O23.5	43678235	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.17124	0.131125	4.17E-19	-0.0048807	0.0127933	0.7028275	0.9999858	10	0.90615226
ENSG00000204650	17	CRHR1-IT1	43697694	rs2838	17	44141347	G	A	0.240557	-0.0059656	0.0148265	0.687421	1.27962	0.102953	1.82E-35	-0.004662	0.0115927	0.6875761	0.9727073	4	0.90615226
ENSG00000264589	17	MAPT-AS1	43921017	rs62062288	17	44096553	A	G	0.236581	-0.0050943	0.0149618	0.73349	-0.685825	0.11001	4.54E-10	0.007428	0.0218483	0.7338708	0.9983359	12	0.91827118
ENSG00000214401	17	KANSL1-AS1	44270942	rs9468	17	44101563	C	T	0.241551	0.00066382	0.0138135	0.961671	1.13052	0.111769	4.75E-24	0.00058718	0.0122189	0.961672	0.7184897	5	0.98571272
ENSG00000262500	17	RP11-259G18.2	44320972	rs62061800	17	44174109	C	G	0.240557	-0.0095855	0.0150517	0.524231	1.17421	0.144636	4.72E-16	-0.0081633	0.012858	0.5255032	0.2491331	6	0.87377566
ENSG00000262539	17	RP11-259G18.3	44336917	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.23748	0.117043	3.98E-26	-0.0046195	0.0121054	0.7027536	0.9411878	10	0.90615226
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-0.899504	0.112787	1.52E-15	-0.0079008	0.009132	0.3869427	0.6070272	15	0.81252804
ENSG00000260075	17	NSFP1	44450221	rs17698176	17	44819595	G	T	0.227634	-0.0114196	0.00872621	0.190653	1.07053	0.138736	1.20E-14	-0.0106672	0.0082677	0.1969704	0.5071193	10	0.72334703
ENSG00000238083	17	LRRC37A2	44588877	rs2435204	17	43988205	G	A	0.241551	-0.004561	0.0148583	0.758871	1.11428	0.114222	1.75E-22	-0.0040932	0.013341	0.758986	0.9999971	8	0.93236116
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-0.929928	0.0903261	7.40E-25	0.00556311	0.00947372	0.5570597	0.9726421	8	0.88493053
ENSG00000108433	17	GOSR2	45000483	rs3785888	17	45005703	T	C	0.512922	-0.0176334	0.00805651	0.028618	-0.484665	0.0813284	2.53E-09	0.0363827	0.0177085	0.03992453	0.03676992	6	0.4849574
ENSG00000263142	17	LRRC37A17P	45055847	rs2678715	17	45181976	A	G	0.250497	0.0121367	0.00903735	0.179288	0.573101	0.0855084	2.05E-11	0.0211772	0.0160827	0.1879139	0.3274661	15	0.71112515
ENSG00000262879	17	RP11-156P1.3	45061411	rs11079753	17	45171857	A	G	0.606362	-0.0174413	0.00827691	0.0350978	-0.595063	0.0870466	8.14E-12	0.02931	0.0145551	0.04403834	0.4856662	13	0.51151367
ENSG00000178852	17	EFCAB13	45400656	rs4561509	17	45781799	A	G	0.488072	0.0136223	0.00807865	0.0917551	0.40938	0.070527	6.45E-09	0.0332754	0.0205497	0.1053892	0.2151424	7	0.63264166
ENSG00000141295	17	SCRN2	45915058	rs7212099	17	45925890	G	A	0.11829	0.0146036	0.0133525	0.274091	-0.691597	0.116411	2.83E-09	-0.0211158	0.0196312	0.2820959	0.2187758	9	0.75707947
ENSG00000264920	17	RP11-6N17.4	45968621	rs2597169	17	46034091	G	A	0.359841	0.00831303	0.00840989	0.322916	0.559771	0.091586	9.84E-10	0.0148508	0.015219	0.3291619	0.1353624	9	0.7778969
ENSG00000248278	17	RP11-463M16.4	46952222	rs12941263	17	46967038	A	T	0.564612	0.0345241	0.0080749	1.91E-05	0.607247	0.105664	9.09E-09	0.0568535	0.0165738	0.00060288	0.2591967	3	0.1912375
ENSG00000159202	17	UBE2Z	46985731	rs1058018	17	47000251	T	C	0.604374	0.0259698	0.00819687	0.00153356	0.322782	0.0535346	1.65E-09	0.0804562	0.0286869	0.00503744	0.1621896	12	0.2734387
ENSG00000159210	17	SNF8	47006678	rs67763067	17	47036294	A	G	0.263419	-0.0213269	0.00912538	0.0194339	-0.4596	0.0840542	4.55E-08	0.0464032	0.0215927	0.0316324	0.2021634	16	0.47400007
ENSG00000064300	17	NGFR	47572655	rs871882	17	47552043	G	C	0.054672	0.0103322	0.0151684	0.495766	-0.79162	0.141927	2.44E-08	-0.013052	0.0193036	0.4989501	0.3308307	3	0.86833637
ENSG00000108823	17	SGCA	48241575	rs2586471	17	48241732	T	C	0.628231	0.00641523	0.00837456	0.443654	-0.523221	0.0791631	3.86E-11	-0.012261	0.0161129	0.4466905	0.7421953	13	0.85657081
ENSG00000136444	17	RSAD1	48556161	rs2277630	17	48541443	C	G	0.552684	0.00765794	0.00805378	0.34168	-0.439597	0.0744617	3.56E-09	-0.0174204	0.0185569	0.3478579	0.5691157	10	0.78900436
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-1.06488	0.0850825	6.11E-36	-0.0130787	0.00811542	0.1070532	0.3880034	14	0.63267467
ENSG00000247011	17	RP11-700H6.1	49012350	rs9907934	17	49020855	A	G	0.312127	-0.0135214	0.0092261	0.14277	-0.71011	0.104528	1.09E-11	0.0190413	0.0132914	0.1519714	0.8836308	13	0.67136051
ENSG00000239672	17	NME1	49230897	rs34214448	17	49232012	T	G	0.377734	-0.0121854	0.00831595	0.142839	0.48351	0.0618719	5.51E-15	-0.025202	0.0174989	0.1498093	0.5348932	17	0.67136051
ENSG00000011260	17	UTP18	49337889	rs6504708	17	49430764	G	A	0.514911	-0.0098404	0.00805901	0.222068	-0.457062	0.0714196	1.56E-10	0.0215298	0.0179503	0.2303679	0.08563144	11	0.74020581
ENSG00000166260	17	COX11	53029263	rs35573927	17	53031889	C	G	0.269384	0.00552494	0.00901827	0.540116	-0.44638	0.0686351	7.84E-11	-0.0123772	0.0202926	0.5419026	0.1342279	9	0.87984932
ENSG00000121101	17	TEX14	56634039	rs4643394	17	56925836	G	A	0.352883	0.00863162	0.00896283	0.335524	0.690619	0.120396	9.68E-09	0.0124984	0.0131596	0.3422372	0.1639686	11	0.78737221
ENSG00000198231	17	DDX42	61850963	rs28463311	17	61919643	T	C	0.26839	-0.0013542	0.0095698	0.887469	-0.582163	0.100155	6.15E-09	0.00232614	0.0164432	0.8875028	0.8736619	7	0.97445788
ENSG00000108592	17	FTSJ3	61896793	rs2665837	17	61932866	C	T	0.599404	-0.0052378	0.00841972	0.533885	0.766244	0.0983781	6.77E-15	-0.0068357	0.0110233	0.5351838	0.3846534	14	0.87706746
ENSG00000154258	17	ABCA9	66970629	rs2098034	17	67089038	T	C	0.617296	0.00103629	0.00813929	0.898688	0.779273	0.105097	1.22E-13	0.00132982	0.0104463	0.8987024	0.9443347	9	0.97482371
ENSG00000154262	17	ABCA6	67074843	rs3744489	17	67138138	T	C	0.682903	0.00237021	0.00847572	0.779748	0.963819	0.0951393	4.04E-24	0.00245919	0.00879724	0.77983	0.0726822	15	0.94469349
ENSG00000267361	17	LOC100421166	67090430	rs3744489	17	67138138	T	C	0.682903	0.00237021	0.00847572	0.779748	0.666455	0.0903772	1.65E-13	0.00355644	0.0127268	0.7799024	0.5629501	9	0.94469349
ENSG00000154263	17	ABCA10	67143355	rs12953127	17	67183676	G	C	0.730616	0.00394393	0.00904812	0.662921	-0.692362	0.11265	7.94E-10	-0.0056963	0.0131013	0.6637135	0.568366	4	0.90615226
ENSG00000267365	17	KCNJ2-AS1	68163102	rs4968799	17	68158831	T	A	0.117296	0.00818417	0.0135888	0.546991	-0.747331	0.0956246	5.49E-15	-0.0109512	0.018237	0.5481779	0.6968012	10	0.88330559
ENSG00000125450	17	NUP85	73201754	rs1478785	17	73222865	A	G	0.754473	0.0184148	0.0110806	0.0965339	-0.649198	0.0825897	3.83E-15	-0.0283655	0.0174454	0.1039597	0.3389584	14	0.63034524
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.697266	0.0971328	7.05E-13	0.015909	0.0155173	0.3052503	0.8916676	11	0.76092064
ENSG00000182534	17	MXRA7	74668633	rs2240774	17	74710572	C	T	0.484095	0.0080063	0.00823556	0.33097	-0.730842	0.096284	3.19E-14	-0.0109549	0.0113606	0.3349028	0.8269321	20	0.78139516
ENSG00000267123	17	CTD-2357A8.3	76613471	rs12453573	17	76616133	G	A	0.0775348	0.0146493	0.0162633	0.367719	0.928131	0.156221	2.83E-09	0.0157837	0.0177229	0.3731542	0.6209235	3	0.80819058
ENSG00000171298	17	GAA	78075355	rs2304850	17	78075228	T	C	0.250497	-0.0111394	0.010043	0.267354	-0.449146	0.0655368	7.21E-12	0.0248013	0.0226512	0.2735502	0.4770858	20	0.7563295
ENSG00000262580	17	RP11-334C17.5	78174472	rs9904453	17	78176579	C	T	0.54672	0.00317747	0.00809813	0.694784	-0.510045	0.0865951	3.86E-09	-0.0062298	0.0159125	0.6954254	0.07460618	6	0.90615226
ENSG00000173821	17	RNF213	78234665	rs7219131	17	78252770	C	T	0.460239	0.00780201	0.00819986	0.34136	-0.359057	0.0627673	1.06E-08	-0.0217292	0.023151	0.3479432	0.7330426	4	0.78900436
ENSG00000175866	17	BAIAP2	79008948	rs4969243	17	79049527	A	G	0.452286	-0.0033325	0.00810438	0.680928	0.588062	0.105379	2.40E-08	-0.0056669	0.0138189	0.6817431	0.2605342	5	0.90615226
ENSG00000262223	17	RP11-1055B8.3	79349801	rs67596972	17	79357486	G	A	0.37674	0.00190824	0.00852722	0.822927	0.599204	0.0956733	3.78E-10	0.00318462	0.01424	0.8230378	0.8457811	6	0.96011864
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.938295	0.112529	7.54E-17	-0.0101874	0.0133878	0.4466879	0.3357465	5	0.85657081
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.903724	0.0982503	3.64E-20	0.011174	0.0116374	0.3369633	0.1070835	12	0.78354117
ENSG00000169689	17	STRA13	79976578	rs3934983	17	79980756	A	C	0.55666	-0.0044455	0.00834142	0.594077	0.497919	0.0659825	4.48E-14	-0.0089281	0.0167943	0.5949942	0.02352925	8	0.89456808
ENSG00000169738	17	DCXR	79993012	rs72861776	17	79999293	C	T	0.0994036	0.0340673	0.0113412	0.00266575	0.942121	0.100646	7.92E-21	0.0361602	0.0126426	0.00423381	0.6632855	13	0.2734387
ENSG00000263063	17	RP11-388C12.1	80671784	rs12941965	17	80677407	C	A	0.242545	-0.0130062	0.0101935	0.201979	1.05634	0.156107	1.32E-11	-0.0123125	0.00981988	0.2099017	0.3288093	20	0.72873407
ENSG00000141560	17	FN3KRP	80674559	rs3748812	17	80680589	A	G	0.399602	0.00060593	0.00857369	0.943658	-0.613248	0.0647019	2.59E-21	-0.0009881	0.0139812	0.9436596	0.6855429	20	0.98571272
ENSG00000263006	18	ROCK1P1	109065	rs4530213	18	115408	T	G	0.303181	0.00146682	0.00836181	0.860751	1.07704	0.10139	2.34E-26	0.0013619	0.00776475	0.8607692	0.2767092	20	0.97265415
ENSG00000101557	18	USP14	158383	rs2212583	18	129661	A	G	0.337972	-0.0020309	0.00870841	0.815595	-0.494197	0.0753243	5.35E-11	0.00410954	0.0176325	0.8157098	0.5436549	17	0.95930123
ENSG00000079101	18	CLUL1	596988	rs12957470	18	591690	C	G	0.272366	-2.48E-05	0.00844758	0.997659	0.971553	0.138927	2.69E-12	-2.55E-05	0.00869493	0.9976595	0.8224579	5	0.99875839
ENSG00000101574	18	METTL4	2537524	rs7245104	18	2556623	T	A	0.510934	-0.0168183	0.00806843	0.0371185	0.505729	0.0772789	5.98E-11	-0.0332556	0.0167438	0.04701784	0.05941152	7	0.51689866
ENSG00000088756	18	ARHGAP28	6729717	rs16950727	18	6881677	C	T	0.316103	0.0076466	0.00928736	0.410317	0.824801	0.11055	8.60E-14	0.00927084	0.0113285	0.4131481	0.334008	10	0.83836244
ENSG00000263797	18	RP11-146G7.2	6873398	rs6506449	18	6880179	T	C	0.296223	0.00778236	0.00931705	0.40356	0.95299	0.101223	4.74E-21	0.00816626	0.00981505	0.4054014	0.3272849	15	0.83165696
ENSG00000101745	18	ANKRD12	9136226	rs8087334	18	9298120	A	C	0.60338	-0.0099421	0.00823284	0.227195	-0.549814	0.0989649	2.77E-08	0.0180827	0.0153235	0.2379765	0.9146163	4	0.74672726
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-0.996634	0.115231	5.19E-18	0.00440359	0.0106711	0.6798527	0.3576161	12	0.90615226
ENSG00000267108	18	RP11-861E21.1	12432896	rs34620743	18	12438519	G	C	0.151093	0.0217604	0.0134055	0.104537	0.882441	0.136132	9.04E-11	0.0246593	0.0156604	0.1153431	0.2854908	11	0.64679311
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.719262	0.0944969	2.71E-14	0.00321702	0.0114865	0.7794234	0.5157197	20	0.94469349
ENSG00000101639	18	CEP192	12991361	rs576963	18	13145264	A	G	0.616302	-0.0040504	0.00820471	0.621544	-0.99061	0.0755392	2.74E-39	0.00408875	0.00828835	0.6217912	0.8262239	20	0.90242996
ENSG00000175322	18	ZNF519	14057456	rs2846970	18	14133493	C	T	0.770378	-0.0004772	0.009886	0.961501	-0.636156	0.0844792	5.06E-14	0.00075013	0.0155405	0.9615016	0.09355999	8	0.98571272
ENSG00000265015	18	RP11-454P7.3	15196998	rs4086894	18	15076904	G	A	0.916501	0.0062024	0.0141258	0.660601	-1.2891	0.172464	7.74E-14	-0.0048114	0.0109768	0.6611489	0.7008901	20	0.90615226
ENSG00000265750	18	RP11-799B12.4	21739473	rs12963950	18	21719442	T	C	0.631213	-0.0038984	0.00817478	0.633445	-0.618082	0.0989404	4.18E-10	0.00630729	0.0132645	0.6344304	0.1349832	16	0.90242996
ENSG00000260372	18	AQP4-AS1	24235706	rs232319	18	24500151	C	T	0.527833	0.0009231	0.00811545	0.909439	-0.788322	0.0795206	3.64E-23	-0.001171	0.0102953	0.9094453	0.5503369	10	0.97482371
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.773061	0.141056	4.24E-08	-0.0067583	0.0159453	0.6716823	0.6414521	3	0.90615226
ENSG00000221887	18	HMSD	61616535	rs6567407	18	61637225	G	A	0.295229	0.00494665	0.00907869	0.585847	-0.512329	0.076643	2.32E-11	-0.0096552	0.0177792	0.5870866	0.5540969	14	0.89416429
ENSG00000171451	18	DSEL	65173819	rs1480671	18	65183919	C	G	0.267396	-0.0181455	0.00950987	0.0563819	0.421271	0.0663104	2.11E-10	-0.0430732	0.0235704	0.06763538	0.4561891	8	0.58941739
ENSG00000264247	18	LINC00909	72259010	rs7505289	18	72264406	G	A	0.852883	0.00502044	0.0118153	0.670902	-0.691574	0.101412	9.14E-12	-0.0072594	0.0171178	0.6715019	0.9793437	8	0.90615226
ENSG00000261126	18	RBFADN	77806900	rs57171122	18	77830707	T	C	0.50497	0.00136507	0.00809069	0.866017	-0.853978	0.0870534	1.02E-22	-0.0015985	0.00947552	0.8660357	0.3700276	20	0.97265415
ENSG00000129946	19	SHC2	416583	rs143898391	19	488474	T	A	0.406561	-0.0028477	0.00823707	0.729552	-0.460388	0.0626988	2.09E-13	0.0061855	0.0179114	0.7298398	0.1449443	13	0.91827118
ENSG00000181781	19	ODF3L2	463346	rs1574520	19	488607	A	G	0.419483	-0.0082483	0.00834064	0.322699	-0.710381	0.103497	6.70E-12	0.0116111	0.0118623	0.3276687	0.08276193	10	0.77648094
ENSG00000266933	19	AC005775.2	490046	rs10424907	19	488506	G	A	0.402584	-0.0035636	0.00823997	0.665399	-0.982613	0.0950551	4.78E-25	0.00362662	0.00839311	0.6656728	0.05842312	15	0.90615226
ENSG00000267751	19	AC009005.2	567212	rs12608452	19	563639	C	T	0.162028	-0.0025021	0.00960194	0.794415	-1.12826	0.150424	6.35E-14	0.00221765	0.00851553	0.7945363	0.3736419	7	0.95002854
ENSG00000099821	19	POLRMT	617223	rs8107357	19	636717	A	C	0.517893	-0.0071136	0.00810521	0.380129	0.479997	0.0667173	6.27E-13	-0.0148201	0.0170111	0.3836454	0.2386374	13	0.81211055
ENSG00000197766	19	CFD	859453	rs1629038	19	860852	C	G	0.571571	-0.0195601	0.00856505	0.0223882	-0.572932	0.0903848	2.32E-10	0.0341404	0.0158901	0.03167191	0.6904128	14	0.47400007
ENSG00000065268	19	WDR18	983174	rs2365709	19	990736	T	C	0.121272	0.0132106	0.0120807	0.274159	1.0618	0.138417	1.71E-14	0.0124417	0.0114926	0.2789927	0.2004256	20	0.75678055
ENSG00000064687	19	ABCA7	1040102	rs1057895	19	1038893	T	C	0.858847	0.00745966	0.00958881	0.436596	-0.571848	0.0891017	1.38E-10	-0.0130448	0.0168909	0.4399358	0.1209762	8	0.85381954
ENSG00000167468	19	GPX4	1103936	rs8103188	19	1103465	G	A	0.447316	0.0156438	0.00808177	0.0529054	0.346027	0.0572561	1.51E-09	0.0452098	0.0245247	0.06526466	0.8272279	4	0.58941739
ENSG00000115266	19	APC2	1446300	rs3896894	19	1456595	C	G	0.573559	0.00165587	0.00842474	0.844181	0.487203	0.0799213	1.09E-09	0.00339873	0.017301	0.8442608	0.3312175	6	0.97171898
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	1.09465	0.1571	3.22E-12	-0.014608	0.0100932	0.1478091	0.643902	4	0.67136051
ENSG00000130332	19	LSM7	2321516	rs12977961	19	2326897	T	C	0.619284	-0.0014032	0.00818766	0.863922	0.405768	0.0582095	3.15E-12	-0.0034582	0.0201843	0.8639629	0.2789736	9	0.97265415
ENSG00000172009	19	THOP1	2785458	rs6510699	19	2754548	G	A	0.236581	0.00969752	0.00906553	0.284748	0.566083	0.0826466	7.41E-12	0.0171309	0.0162086	0.2905564	0.5929658	10	0.76092064
ENSG00000104964	19	AES	3052908	rs66592260	19	3065029	A	G	0.197813	-0.0036547	0.00899571	0.684547	-0.360368	0.0597932	1.67E-09	0.0101415	0.0250192	0.6852224	0.9363228	4	0.90615226
ENSG00000161091	19	MFSD12	3538259	rs10426380	19	3545763	C	A	0.152087	-0.0107809	0.0106351	0.310722	0.634965	0.0997385	1.94E-10	-0.0169787	0.0169601	0.3167796	0.2539381	10	0.76582138
ENSG00000178078	19	STAP2	4324040	rs3810368	19	4342730	A	G	0.286282	0.0142639	0.00851032	0.0937238	0.74598	0.112742	3.67E-11	0.019121	0.0117686	0.1042149	0.231762	12	0.63034524
ENSG00000167670	19	CHAF1A	4402659	rs78869060	19	4444742	G	A	0.264414	-0.0126361	0.0102219	0.216392	-0.629379	0.0977658	1.21E-10	0.0200771	0.016538	0.2247478	0.01904377	7	0.74020581
ENSG00000267769	19	CTB-50L17.9	4454011	rs78869060	19	4444742	G	A	0.264414	-0.0126361	0.0102219	0.216392	-0.929993	0.118974	5.42E-15	0.0135873	0.011128	0.2220841	0.1156682	15	0.74020581
ENSG00000105355	19	PLIN3	4838353	rs11669077	19	4858154	G	A	0.686879	-0.0127141	0.00871658	0.144672	0.453706	0.0608483	8.90E-14	-0.0280228	0.0195761	0.152293	0.718014	5	0.67136051
ENSG00000196365	19	LONP1	5691845	rs3892355	19	5696962	A	G	0.314115	0.00181731	0.00865393	0.833669	-0.673201	0.101405	3.16E-11	-0.0026995	0.0128613	0.833751	0.9029035	11	0.96625375
ENSG00000125734	19	GPR108	6729925	rs173174	19	6740026	A	C	0.32505	0.00280759	0.00838649	0.737794	-0.973277	0.107799	1.74E-19	-0.0028847	0.00862268	0.737968	0.02080809	6	0.91827118
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.783685	0.0940724	8.04E-17	-0.0067756	0.0105899	0.5222885	0.9260383	10	0.87377566
ENSG00000104980	19	TIMM44	7991603	rs12980612	19	8013906	G	A	0.0854871	-0.020085	0.0157661	0.202686	1.13673	0.144335	3.39E-15	-0.0176691	0.01405	0.2085403	0.03325139	9	0.72873407
ENSG00000267939	19	CTD-2325M2.1	8073613	rs17201258	19	8020786	C	T	0.223658	0.0100761	0.0103388	0.329762	-0.848527	0.151269	2.03E-08	-0.0118748	0.0123669	0.3369515	0.7433556	4	0.78354117
ENSG00000233927	19	RPS28	8386042	rs3965185	19	8395410	C	T	0.537773	0.0125242	0.00808021	0.121145	-0.607225	0.0602807	7.25E-24	-0.0206253	0.0134634	0.1255335	0.7375715	10	0.65422783
ENSG00000099785	19	2-Mar	8478154	rs17160520	19	8548589	A	G	0.284294	0.0288944	0.00953741	0.00244889	0.546347	0.0660072	1.26E-16	0.0528865	0.0185893	0.00444115	0.3001136	14	0.2734387
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.57393	0.193308	3.89E-16	-0.0162049	0.00914613	0.07643241	0.9682384	11	0.59535021
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.15381	0.167617	5.84E-12	0.0024479	0.0150033	0.8703946	0.9352747	3	0.97265415
ENSG00000174652	19	ZNF266	9523272	rs28653095	19	9544652	A	C	0.559642	0.00146627	0.00810406	0.856422	0.88007	0.0824791	1.40E-26	0.00166608	0.00920975	0.8564427	0.8357884	18	0.97265415
ENSG00000267289	19	CTD-2623N2.11	9944755	rs8112052	19	9943788	A	C	0.657058	-0.0061829	0.00848848	0.466377	-1.02751	0.126225	3.94E-16	0.00601736	0.00829422	0.4681523	0.02852537	10	0.86231368
ENSG00000105088	19	OLFM2	9964394	rs78870141	19	10074673	T	C	0.181909	0.0162991	0.00994052	0.101076	0.395797	0.0721303	4.08E-08	0.0411805	0.0262125	0.116177	0.7391597	7	0.64679311
ENSG00000130812	19	ANGPTL6	10203014	rs3826785	19	10227149	T	C	0.107356	0.0078957	0.0114302	0.489706	0.782197	0.135846	8.51E-09	0.0100943	0.0147177	0.4928031	0.8865564	4	0.86830911
ENSG00000129347	19	KRI1	10663761	rs112305679	19	10667641	C	G	0.282306	0.00993544	0.00861501	0.248799	0.767312	0.0926413	1.21E-16	0.0129484	0.0113358	0.2533496	0.05568206	14	0.75499306
ENSG00000105520	19	DKFZP761J1410	11466062	rs12975236	19	11464003	G	C	0.428429	0.0254746	0.00843438	0.00252499	-0.680413	0.0895856	3.08E-14	-0.0374399	0.0133402	0.00500741	0.02509959	4	0.2734387
ENSG00000230310	19	CTD-2192J16.11	12663411	rs10421321	19	12659893	C	G	0.609344	-0.0013438	0.00812928	0.868704	-0.630975	0.110317	1.07E-08	0.00212974	0.0128891	0.8687583	0.1554148	7	0.97265415
ENSG00000213290	19	PGK1P2	12670385	rs2861410	19	12664631	A	G	0.647117	0.00469852	0.00825374	0.56918	-0.636109	0.107007	2.77E-09	-0.0073863	0.0130347	0.5709403	0.9012881	11	0.88725573
ENSG00000037757	19	MRI1	13875346	rs62111893	19	13874258	T	G	0.414513	-0.0047543	0.00815023	0.55967	-0.646452	0.0753848	9.88E-18	0.00735442	0.0126368	0.5605762	0.6077578	3	0.88665363
ENSG00000141854	19	hsa-mir-1199	14183348	rs7258963	19	14185226	C	T	0.377734	0.0119263	0.00828898	0.150203	0.484324	0.0743353	7.25E-11	0.0246246	0.0175269	0.1600321	0.5529107	4	0.67645458
ENSG00000123146	19	CD97	14491313	rs2302996	19	14492272	C	T	0.357853	0.00795472	0.00833413	0.339843	0.572878	0.0822944	3.37E-12	0.0138855	0.0146839	0.3443384	0.781214	4	0.78803136
ENSG00000188269	19	OR7A5	14903302	rs66824756	19	14947193	C	T	0.379722	0.00673041	0.00811095	0.406656	0.49566	0.0898494	3.46E-08	0.0135787	0.016548	0.4118958	0.6117867	4	0.83679884
ENSG00000186529	19	CYP4F3	15751707	rs1290624	19	15756971	C	T	0.27336	0.0019991	0.00979111	0.838216	-0.683856	0.0963794	1.29E-12	-0.0029233	0.0143234	0.8382828	0.1391168	20	0.96814975
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.07797	0.0882716	2.68E-34	0.00521644	0.00758155	0.4914247	0.8517147	20	0.86748446
ENSG00000160117	19	ANKLE1	17392454	rs7508638	19	17365047	A	T	0.153082	0.010686	0.00968076	0.269664	0.56768	0.102306	2.88E-08	0.018824	0.0173874	0.2789748	0.5121328	5	0.75678055

ENSG00000130312	19	MRPL34	17403418	rs8100232	19	17422951	A	G	0.426441	-0.001116	0.00826322	0.892566	0.627257	0.0645333	2.48E-22	-0.0017792	0.0131749	0.8925757	0.2879003	11	0.97482371
ENSG00000130304	19	SLC27A1	17579578	rs11666579	19	17590281	T	G	0.485089	0.0100575	0.0080554	0.211831	-0.504853	0.069938	5.25E-13	-0.0199216	0.0161928	0.2185943	0.3268933	12	0.74020581
ENSG00000130518	19	KIAA1683	18367908	rs12983444	19	18386367	G	A	0.529821	0.0156013	0.00814835	0.0555367	-0.521531	0.0827082	2.87E-10	-0.0299144	0.0163283	0.06694196	0.719754	11	0.58941739
ENSG00000081665	19	ZNF506	19896648	rs72620575	19	19926560	G	A	0.16501	0.00234494	0.0099915	0.814446	0.916464	0.139049	4.37E-11	0.00255868	0.0109091	0.814562	0.9763767	20	0.9586004
ENSG00000188171	19	ZNF626	20802867	rs2288534	19	20828796	G	T	0.32505	0.00596558	0.00851533	0.483572	0.550108	0.0815194	1.50E-11	0.0108444	0.0155626	0.4859127	0.8544142	12	0.86386102
ENSG00000105750	19	ZNF85	21106028	rs10454112	19	21130254	C	T	0.130219	-0.0101414	0.0123826	0.412784	0.925166	0.151277	9.61E-10	-0.0109617	0.0135037	0.4169309	0.932685	11	0.84130138
ENSG00000196705	19	ZNF431	21324827	rs145645636	19	21334003	T	C	0.0149105	-0.0671681	0.115578	0.561141	2.10769	0.30843	8.28E-12	-0.0318681	0.0550343	0.5625491	0.9520566	4	0.88670398
ENSG00000196268	19	ZNF493	21579921	rs11673304	19	21567965	G	A	0.524851	0.0125549	0.00808478	0.120446	0.646144	0.0783487	1.62E-16	0.0194305	0.0127322	0.1269883	0.4499033	20	0.65453613
ENSG00000268658	19	LINC00664	21666176	rs1827225	19	21567360	G	A	0.444334	-0.0204693	0.00806048	0.0111025	0.701747	0.11139	2.98E-10	-0.0291691	0.0123844	0.01850717	0.04428217	7	0.40692347
ENSG00000268433	19	RP11-420K14.2	21860352	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-0.810475	0.110932	2.75E-13	-0.0075302	0.0105129	0.4738167	0.8779965	16	0.86343574
ENSG00000268535	19	RP11-420K14.3	21892324	rs6511291	19	21950402	C	T	0.558648	-0.0002329	0.00806833	0.976969	-0.890698	0.104753	1.85E-17	0.0002615	0.00905849	0.9769696	0.2352096	20	0.9912361
ENSG00000197020	19	ZNF100	21905568	rs6511291	19	21950402	C	T	0.558648	-0.0002329	0.00806833	0.976969	-0.69668	0.098089	1.22E-12	0.00033433	0.0115812	0.9769696	0.1750172	18	0.9912361
ENSG00000197134	19	ZNF257	22235254	rs7253490	19	22293706	A	C	0.281312	-0.0061779	0.00869099	0.477184	0.759037	0.113839	2.60E-11	-0.0081391	0.0115149	0.4796696	0.4934211	20	0.86372807
ENSG00000268362	19	CTD-2017D11.1	24216247	rs67379707	19	24244042	T	C	0.218688	0.00875811	0.0102706	0.393808	1.0716	0.128207	6.36E-17	0.00817293	0.00963411	0.3962528	0.1306496	20	0.81905767
ENSG00000261770	19	CTC-459F4.1	28248092	rs2080080	19	28334082	T	C	0.838966	0.013692	0.00916493	0.135186	-1.22323	0.122463	1.71E-23	-0.0111933	0.00757574	0.139536	0.8618664	15	0.66998905
ENSG00000021488	19	SLC7A9	33321415	rs11672662	19	33375341	T	C	0.184891	0.00646163	0.0102373	0.527921	-0.8133	0.109025	8.67E-14	-0.007945	0.0126323	0.5293899	0.3998427	18	0.87654689
ENSG00000124299	19	PEPD	33877856	rs17570	19	33878837	A	G	0.256461	-0.0110813	0.0094183	0.239367	0.488978	0.0782667	4.17E-10	-0.0226622	0.0195998	0.2475805	0.4720613	14	0.75499306
ENSG00000089351	19	GRAMD1A	35485688	rs2902173	19	35509250	C	G	0.377734	0.00826495	0.00830828	0.319841	-0.377753	0.0614982	8.12E-10	-0.0218792	0.0222805	0.3261047	0.5979634	4	0.77488901
ENSG00000126266	19	FFAR1	35842445	rs12985354	19	35837428	A	G	0.300199	-0.0107947	0.00904485	0.232689	-0.570633	0.078605	3.89E-13	0.0189171	0.0160633	0.2389341	0.9745536	8	0.74672726
ENSG00000105668	19	UPK1A	36157715	rs113878408	19	36177746	T	C	0.195825	0.00487795	0.0087381	0.576681	0.728279	0.12529	6.14E-09	0.00669791	0.0120535	0.5784279	0.4799942	20	0.88835479
ENSG00000011590	19	ZBTB32	36195429	rs231591	19	36224705	G	A	0.481113	0.00850069	0.00804665	0.290774	0.854583	0.116723	2.45E-13	0.00994718	0.00951339	0.295747	0.1502071	12	0.76092064
ENSG00000272333	19	KMT2B	36208921	rs231591	19	36224705	G	A	0.481113	0.00850069	0.00804665	0.290774	0.390603	0.0585148	2.47E-11	0.021763	0.020857	0.2967447	0.3016439	14	0.76092064
ENSG00000161265	19	U2AF1L4	36233365	rs62112162	19	36264030	A	G	0.164016	0.0244195	0.0139643	0.0803415	0.654757	0.11883	3.59E-08	0.0372955	0.0223758	0.0955578	0.7446673	7	0.61532078
ENSG00000161277	19	THAP8	36525887	rs7260609	19	36585589	T	C	0.328032	0.0109217	0.00856691	0.202357	0.443507	0.0694446	1.70E-10	0.0246258	0.0196974	0.2112248	0.7757481	4	0.72873407
ENSG00000105254	19	TBCB	36605191	rs1003470	19	36602729	C	G	0.446322	0.00737689	0.00806565	0.360399	0.239798	0.0387543	6.11E-10	0.0307629	0.0340006	0.3655845	0.7076866	7	0.79876764
ENSG00000233527	19	AC092295.7	37063972	rs3108543	19	37143992	A	G	0.600398	8.76E-05	0.00835691	0.991636	-1.02422	0.124093	1.54E-16	-8.55E-05	0.0081593	0.9916362	0.7515672	8	0.99759941
ENSG00000198453	19	ZNF568	37407231	rs62108899	19	37595183	T	C	0.129225	0.00567714	0.0118799	0.632737	0.886495	0.143495	6.50E-10	0.00640403	0.013441	0.6337507	0.2467405	15	0.90242996
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.317	0.102012	3.94E-38	-0.0048283	0.00646697	0.4552978	0.1337583	20	0.86231368
ENSG00000099338	19	CATSPERG	38826415	rs80248244	19	38841714	C	A	0.247515	0.0147606	0.00905235	0.10298	-0.736307	0.118858	5.83E-10	-0.0200468	0.012713	0.1148251	0.4997229	5	0.64679311
ENSG00000269486	19	CTC-360G5.9	39425976	rs12972986	19	39430645	A	G	0.666004	-0.0027558	0.00864684	0.749949	-0.686827	0.116362	3.58E-09	0.00401235	0.0126079	0.7503019	0.1314813	13	0.92495349
ENSG00000161243	19	FBXO27	39481354	rs2012598	19	39542734	A	G	0.863817	0.0080214	0.0108897	0.461363	-0.801743	0.122294	5.53E-11	-0.010005	0.013668	0.4641696	0.1180273	8	0.86231368
ENSG00000130669	19	PAK4	39616410	rs11668093	19	39678654	C	T	0.419483	0.009954	0.00839761	0.235884	-0.413297	0.0746513	3.09E-08	-0.0240844	0.0207791	0.2464278	0.513361	4	0.75499306
ENSG00000239736	19	CEACAMP3	42106090	rs3745936	19	42092815	T	A	0.22664	0.0119828	0.00923907	0.194641	0.878838	0.10272	1.17E-17	0.0136348	0.0106329	0.1997304	0.9758757	14	0.72873407
ENSG00000176531	19	PHLDB3	43979106	rs2599437	19	43979439	C	T	0.306163	0.00227373	0.00841673	0.787049	0.427517	0.0718141	2.63E-09	0.00531846	0.0197077	0.787263	0.30603	4	0.94906789
ENSG00000104783	19	KCNN4	44270685	rs56681946	19	44283031	C	T	0.341948	0.0115816	0.0084705	0.171536	0.682044	0.103019	3.58E-11	0.0169807	0.0126814	0.1805611	0.2641688	11	0.70330236
ENSG00000176222	19	ZNF404	44376515	rs396874	19	44397225	C	G	0.513917	-0.0038708	0.00806061	0.631081	-0.516607	0.07979	9.51E-11	0.00749264	0.0156458	0.6320167	0.7602229	3	0.90242996
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.33089	0.178425	8.71E-14	-0.0047248	0.00763634	0.5360975	0.8446417	6	0.87706746
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.515091	0.0774487	2.92E-11	-0.0019232	0.0156834	0.9024033	0.8687699	4	0.97482371
ENSG00000204866	19	IGFL2	46646363	rs2012204	19	46669509	A	G	0.649105	-0.0026121	0.00810265	0.747171	-0.711734	0.10815	4.67E-11	0.00367001	0.011398	0.7474631	0.1421702	7	0.92277427
ENSG00000182013	19	PNMAL1	46969748	rs8100952	19	46938483	T	C	0.575547	0.0123234	0.0080953	0.127936	-0.416531	0.0683938	1.13E-09	-0.0295858	0.020033	0.1397149	0.4546749	12	0.66998905
ENSG00000245598	19	DACT3-AS1	47163621	rs12461093	19	47185919	C	G	0.730616	-0.0303875	0.00892044	0.00065801	-0.752991	0.134879	2.37E-08	0.0403557	0.013878	0.00363862	0.9121919	8	0.2734387
ENSG00000181027	19	FKRP	47249303	rs3848528	19	47218101	T	G	0.572565	-0.0251325	0.0081561	0.00206001	-0.640647	0.100008	1.49E-10	0.0392299	0.0141274	0.00548845	0.2457176	5	0.27378691
ENSG00000169393	19	ELSPBP1	48497908	rs10405087	19	48501644	C	A	0.649105	0.0086935	0.00815355	0.286323	-0.819176	0.0990971	1.38E-16	-0.0106125	0.0100358	0.2903005	0.9913437	3	0.76092064
ENSG00000105483	19	CARD8	48684027	rs116950953	19	48732930	T	C	0.0427435	0.0637044	0.0283751	0.0247628	-0.552576	0.0974607	1.43E-08	-0.115286	0.0552299	0.03685299	0.02262214	7	0.47400007
ENSG00000232871	19	SEC1P	49141328	rs386243	19	49127490	T	C	0.263419	-0.0001937	0.00839589	0.981594	-0.662584	0.109565	1.47E-09	0.00029234	0.0126715	0.9815939	0.1230285	6	0.99305403
ENSG00000161618	19	ALDH16A1	49956426	rs2335183	19	49957010	T	C	0.751491	-0.0141771	0.00873574	0.104614	-0.638788	0.0879154	3.70E-13	0.0221937	0.0140125	0.113226	0.00439125	4	0.64679311
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.934758	0.0863784	2.72E-27	0.0101959	0.00943458	0.2798342	0.07985362	11	0.75707947
ENSG00000131409	19	LRRC4B	51020149	rs11880112	19	51052189	C	T	0.499006	0.00425437	0.00819142	0.603502	-0.571573	0.0766917	9.13E-14	-0.0074433	0.0143661	0.6043798	0.7143019	3	0.89474607
ENSG00000167747	19	C19orf48	51300961	rs10401588	19	51305287	G	A	0.303181	0.00931226	0.00828998	0.261304	0.45424	0.0759008	2.17E-09	0.0205007	0.0185689	0.2695778	0.9066204	8	0.75499306
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	1.20202	0.13444	3.86E-19	0.00611785	0.00769087	0.4263406	0.9140984	13	0.8444169
ENSG00000105383	19	CD33	51728320	rs2459141	19	51728193	C	T	0.449304	-0.0021901	0.00822922	0.790136	0.215873	0.038854	2.76E-08	-0.0101451	0.0381644	0.7903722	0.1562824	3	0.94975557
ENSG00000254415	19	SIGLEC14	52145806	rs73052830	19	52160765	C	A	0.130219	-0.0085021	0.0100876	0.399328	-0.874245	0.117393	9.54E-14	0.00972503	0.0116123	0.4023247	0.05130141	9	0.82800711
ENSG00000198093	19	ZNF649	52392477	rs11667001	19	52552669	C	G	0.173956	0.0109129	0.0101992	0.284628	-0.735918	0.125152	4.10E-09	-0.014829	0.0140867	0.2924829	0.973388	17	0.76092064
ENSG00000221923	19	ZNF880	52873170	rs8104812	19	52887437	C	A	0.420477	0.00917225	0.00827603	0.267736	1.13305	0.0978693	5.38E-31	0.00809519	0.0073376	0.2699198	0.2635058	10	0.75499306
ENSG00000167555	19	ZNF528	52901102	rs162123	19	52917626	G	A	0.762425	-0.0017064	0.00925264	0.853681	0.681261	0.0790206	6.62E-18	-0.0025048	0.0135847	0.8537147	0.5308062	12	0.97265415
ENSG00000198633	19	ZNF534	52932440	rs75774622	19	52927865	A	G	0.0894632	-0.0178806	0.0164781	0.277871	1.34334	0.184766	3.58E-13	-0.0133106	0.0124024	0.2831699	0.1879151	14	0.75707947
ENSG00000167766	19	ZNF83	53097313	rs7256557	19	53119166	A	G	0.350895	-0.017054	0.00834443	0.0409779	0.476281	0.0787661	1.48E-09	-0.0358066	0.0184936	0.05284849	0.9232634	8	0.54968759
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.518932	0.0807559	1.31E-10	-0.022338	0.0164207	0.1737186	0.7599431	5	0.70330236
ENSG00000170949	19	ZNF160	53569859	rs2099850	19	53621561	A	G	0.530815	0.0115206	0.00809981	0.154932	0.73098	0.0812708	2.38E-19	0.0157605	0.0112184	0.1600592	0.5116217	20	0.67645458
ENSG00000170954	19	ZNF415	53611132	rs2099850	19	53621561	A	G	0.530815	0.0115206	0.00809981	0.154932	0.989068	0.0858144	9.80E-31	0.0116479	0.00825146	0.1580614	0.4218105	20	0.67639935
ENSG00000197937	19	ZNF347	53627325	rs12985137	19	53617818	T	C	0.579523	0.0131474	0.00810928	0.104957	0.827135	0.0976449	2.44E-17	0.0158951	0.00998201	0.1113005	0.7658432	15	0.64016215
ENSG00000269001	19	ZNF818P	53716241	rs6509732	19	53702508	T	C	0.555666	-0.0005321	0.00811179	0.947698	-0.575813	0.0870475	3.72E-11	0.00092412	0.0140882	0.9477002	0.8734581	11	0.98571272
ENSG00000196417	19	ZNF765	53893046	rs2865700	19	53929978	T	A	0.542744	-0.0014016	0.00814235	0.863329	-0.551156	0.0921003	2.17E-09	0.00254304	0.0147793	0.8633848	0.9014451	10	0.97265415
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-0.948719	0.136521	3.67E-12	0.00403958	0.0108915	0.7107158	0.4452348	9	0.91040807
ENSG00000170906	19	NDUFA3	54606036	rs75622830	19	54611734	G	A	0.0994036	0.00493335	0.0135927	0.71665	0.636542	0.0945702	1.69E-11	0.00775023	0.021385	0.7170422	0.1451793	6	0.91266332
ENSG00000022556	19	NLRP2	55464498	rs4422092	19	55474210	A	G	0.44334	-0.0058256	0.00824967	0.480088	0.654409	0.0894285	2.52E-13	-0.0089021	0.0126649	0.4821204	0.5575158	15	0.86372807
ENSG00000080031	19	PTPRH	55692616	rs76990668	19	55718695	C	T	0.0745527	-0.0200769	0.0147492	0.173444	-1.16333	0.129008	1.92E-19	0.0172581	0.0128221	0.1783119	0.395897	6	0.70330236
ENSG00000160505	19	NLRP4	56347944	rs382657	19	56368812	T	G	0.395626	0.00341932	0.00809211	0.672623	0.968402	0.0941854	8.51E-25	0.00353089	0.0083632	0.6728838	0.5132319	4	0.90615226
ENSG00000166770	19	ZNF667-AS1	56988619	rs3971706	19	57006069	A	G	0.72167	-0.008557	0.00831014	0.303147	-0.579033	0.0898248	1.15E-10	0.0147781	0.0145337	0.3092403	0.5990977	5	0.76331456
ENSG00000269696	19	AC007228.11	57056935	rs12978999	19	57020754	A	C	0.281312	-0.0206378	0.00899778	0.0218102	0.698377	0.1033	1.37E-11	-0.0295511	0.0136051	0.02985138	0.07358208	16	0.46713376
ENSG00000105146	19	AURKC	57742377	rs2302060	19	57742248	T	C	0.262425	0.0124799	0.00847231	0.140744	0.693208	0.118226	4.53E-09	0.0180031	0.0126017	0.1531107	0.2514036	4	0.67136051
ENSG00000186230	19	ZNF749	57946697	rs3746224	19	57949536	C	T	0.506958	-0.0009778	0.00808818	0.90378	0.966405	0.0910499	2.56E-26	-0.0010118	0.00836989	0.9037859	0.6730659	19	0.97482371
ENSG00000270804	19	CTD-2583A14.11	58379253	rs10406133	19	58379986	T	C	0.287276	0.00582301	0.0084775	0.49216	0.668736	0.106804	3.82E-10	0.00870749	0.012753	0.4947446	0.2107187	11	0.86830911
ENSG00000171574	19	ZNF584	58912871	rs35138622	19	58912788	A	C	0.223658	-0.0112936	0.00977019	0.247714	-0.69817	0.110367	2.52E-10	0.016176	0.0142257	0.255498	0.8283889	7	0.75499306
ENSG00000269473	19	CTD-2619J13.19	58951815	rs10416149	19	58964306	G	A	0.473161	-0.0009542	0.00806457	0.905813	0.537634	0.095468	1.79E-08	-0.0017748	0.0150034	0.9058334	0.1531142	8	0.97482371
ENSG00000083807	19	SLC27A5	58990879	rs55928441	19	59009674	C	T	0.188867	-0.0182439	0.0103674	0.0784513	0.553296	0.0931195	2.82E-09	-0.0329731	0.019542	0.09154684	0.7458504	9	0.61234768
ENSG00000213753	19	RPL23AP79	59084870	rs4101426	19	59102839	G	A	0.579523	-0.005994	0.00850096	0.480752	0.618056	0.108104	1.08E-08	-0.0096981	0.0138586	0.4840575	0.7300459	6	0.86372807
ENSG00000101307	20	SIRPB1	1544167	rs6075339	20	1894315	T	C	0.374751	-0.0019792	0.0083669	0.813006	0.665145	0.0984393	1.41E-11	-0.0029756	0.0125868	0.8131183	0.9999812	14	0.95819979
ENSG00000125877	20	ITPA	3189514	rs7270101	20	3193893	C	A	0.129225	-0.0024956	0.0146584	0.864813	-0.844994	0.122452	5.18E-12	0.00295339	0.0173526	0.8648539	0.0279928	20	0.97265415
ENSG00000229539	20	RP11-119B16.2	3868886	rs112364708	20	3864435	G	A	0.188867	0.00557143	0.0107841	0.605412	0.996323	0.174633	1.16E-08	0.00559199	0.0108682	0.6068826	0.05969743	8	0.89474607
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	1.03001	0.114811	2.93E-19	0.00317498	0.00958113	0.7403586	0.8499354	12	0.91827118
ENSG00000205181	20	LINC00654	5476713	rs35022112	20	5485337	A	G	0.0636183	0.0166399	0.015144	0.271867	1.34739	0.189583	1.18E-12	0.0123497	0.011373	0.2775331	0.5059868	4	0.75678055
ENSG00000125885	20	MCM8	5931298	rs236118	20	5938207	A	G	0.175944	-0.0025937	0.00983892	0.792078	-0.582524	0.0856392	1.03E-11	0.00445247	0.0169028	0.7922303	0.5677368	6	0.94975557
ENSG00000125868	20	DSTN	17550508	rs4813271	20	17546574	A	C	0.188867	-0.0078406	0.0105958	0.459322	-0.488589	0.0834857	4.85E-09	0.0160473	0.0218592	0.4628739	0.3294819	20	0.86231368
ENSG00000101310	20	SEC23B	18488137	rs6075354	20	18499984	T	C	0.922465	0.00801765	0.0139631	0.56583	-0.742377	0.104747	1.37E-12	-0.0108	0.0188703	0.5671002	0.7555905	9	0.88725573
ENSG00000101474	20	APMAP	24943561	rs6707	20	24944166	T	C	0.210736	-0.0391427	0.0134483	0.00360736	-0.459301	0.0723909	2.23E-10	0.0852223	0.0322138	0.00815658	0.02044339	10	0.31484414
ENSG00000100987	20	VSX1	25051521	rs6076315	20	25065518	A	G	0.196819	-0.0150083	0.0104196	0.149757	-0.777398	0.11774	4.04E-11	0.0193058	0.0137184	0.1593404	0.5151917	11	0.67645458
ENSG00000175170	20	FAM182B	25744102	rs2252934	20	25957535	C	G	0.583499	-0.0107086	0.00821458	0.192369	0.805264	0.125814	1.55E-10	-0.0132982	0.0104105	0.2014671	0.4756289	20	0.72873407
ENSG00000125804	20	FAM182A	26035291	rs6138803	20	26096555	G	T	0.258449	-0.0047226	0.0101304	0.641083	-0.986586	0.134238	1.99E-13	0.00478683	0.0102888	0.6417539	0.1704328	20	0.90242996
ENSG00000101367	20	MAPRE1	31407699	rs66499347	20	31448696	T	C	0.471173	0.00042966	0.00808429	0.957614	-0.298162	0.0504703	3.47E-09	-0.001441	0.0271148	0.9576162	0.1023522	14	0.98571272
ENSG00000101412	20	E2F1	32263489	rs34145153	20	32159067	T	C	0.327038	-0.0020057	0.00842174	0.811762	-0.645253	0.0718383	2.66E-19	0.00310835	0.0130564	0.8118266	0.6164173	20	0.95732709
ENSG00000126005	20	MMP24-AS1	33804265	rs2275275	20	33872311	C	G	0.201789	0.020486	0.00964348	0.0336419	-0.731866	0.0833216	1.58E-18	-0.0279915	0.0135565	0.03894124	0.5308678	12	0.4763446
ENSG00000125991	20	ERGIC3	34129770	rs12625762	20	34158587	A	G	0.147117	0.00110095	0.0140342	0.937472	0.621259	0.110444	1.85E-08	0.00177213	0.0225921	0.937478	0.9671635	4	0.98530027
ENSG00000224497	20	RPL36P4	34132175	rs6120974	20	34126827	C	T	0.147117	0.00198943	0.0142062	0.888629	1.18442	0.144579	2.56E-16	0.00167967	0.011996	0.8886449	0.869981	20	0.97482371
ENSG00000214078	20	CPNE1	34213953	rs73902914	20	34432882	G	A	0.10835	0.00828327	0.0146449	0.571659	-1.38174	0.150423	4.09E-20	-0.0059948	0.010619	0.5723876	0.9382436	20	0.88725573
ENSG00000224635	20	RP4-564F22.5	37034658	rs1780634	20	37029825	T	C	0.200795	0.00652915	0.0112377	0.561237	1.34031	0.140631	1.56E-21	0.00487137	0.00839997	0.5619635	0.5136132	18	0.88670398
ENSG00000196756	20	SNHG17	37049235	rs788346	20	37059749	T	G	0.159046	0.0114051	0.0110917	0.303828	1.32081	0.128605	9.59E-25	0.00863493	0.00843963	0.3062416	0.75302	20	0.76092064
ENSG00000124116	20	WFDC3	44376583	rs2664529	20	44402869	T	C	0.656064	-0.0075792	0.00853448	0.374504	0.965946	0.10664	1.33E-19	-0.0078464	0.00887772	0.3767877	0.03398689	20	0.81174572
ENSG00000225849	20	MKRN7P	45092541	rs74753391	20	45075171	T	C	0.0596421	-0.0029724	0.0183626	0.871408	1.12595	0.196986	1.09E-08	-0.0026399	0.0163151	0.8714595	0.6199243	5	0.97265415
ENSG00000231742	20	RP11-112L6.4	48789087	rs6020328	20	48788460	C	T	0.32505	0.0104374	0.00856597	0.223044	0.767776	0.112703	9.60E-12	0.0135943	0.0113339	0.2303577	0.2709535	3	0.74020581
ENSG00000196396	20	PTPN1	49126891	rs6095988	20	49124561	C	G	0.38171	-0.0038696	0.00837567	0.644079	0.386562	0.064794	2.43E-09	-0.0100103	0.021732	0.6450671	0.1995892	10	0.90242996
ENSG00000236352	20	AC005220.3	52556699	rs6127015	20	52540606	C	T	0.538767	0.0055847	0.00821295	0.496512	0.550939	0.0914059	1.67E-09	0.0101367	0.0150018	0.4992307	0.3429225	7	0.86833637
ENSG00000101144	20	BMP7	55743804	rs162318	20	55813395	G	A	0.620278	-0.0094006	0.00813503	0.247855	0.908358	0.0900461	6.26E-24	-0.010349	0.00901432	0.2509413	0.1862984	18	0.75499306
ENSG00000124164	20	VAPB	56964178	rs3787147	20	57012941	C	G	0.392644	-0.0088107	0.00807566	0.275264	0.446518	0.0634022	1.89E-12	-0.019732	0.0183016	0.2809625	0.08352142	11	0.75707947
ENSG00000101190	20	TCFL5	61472467	rs6010760	20	61475563	C	T	0.298211	0.0200619	0.00880584	0.0227117	0.647814	0.0820886	2.98E-15	0.0309686	0.0141483	0.02860688	0.3949929	10	0.46635674
ENSG00000101204	20	CHRNA4	61975420	rs6011794	20	61995322	T	C	0.871769	0.024218	0.0109707	0.0272778	0.92076	0.150264	8.92E-10	0.0263022	0.0126644	0.03781507	0.6300624	4	0.47400007
ENSG00000243064	21	ABCC13	15608527	rs718673	21	15648392	G	A	0.158052	-0.0014798	0.00965034	0.878128	1.18257	0.146556	7.08E-16	-0.0012514	0.00816195	0.8781498	0.6446271	12	0.97295286
ENSG00000224924	21	LINC00320	22114908	rs12482024	21	22122519	T	A	0.817097	-0.0010516	0.00911753	0.90818	-0.478281	0.0845053	1.52E-08	0.00219862	0.0190671	0.9081995	0.5846999	5	0.97482371
ENSG00000273492	21	AP000230.1	27543189	rs13049968	21	27588195	T	A	0.236581	-0.0085058	0.00921732	0.356109	0.732104	0.106127	5.26E-12	-0.0116183	0.0127023	0.3603719	0.08610753	11	0.79157371
ENSG00000156239	21	N6AMT1	30244513	rs2832116	21	30228368	A	C	0.328032	-0.0024688	0.00885807	0.78047	-0.465907	0.0760567	9.02E-10	0.00529893	0.0190322	0.7806904	0.06547576	20	0.94498901
ENSG00000156253	21	RWDD2B	30376705	rs2247809	21	30330451	A	G	0.295229	0.0224992	0.010334	0.0294652	0.667983	0.0942229	1.35E-12	0.0336823	0.0161836	0.0374096	0.2694064	18	0.47400007
ENSG00000156261	21	CCT8	30428126	rs2070610	21	30445948	A	G	0.132207	0.00143698	0.0156859	0.927008	0.542512	0.097593	2.71E-08	0.00264875	0.0289174	0.9270181	0.375102	7	0.97886349
ENSG00000142207	21	URB1	33683329	rs2409449	21	33680028	T	A	0.853877	0.0108054	0.0108346	0.318616	0.701713	0.123834	1.46E-08	0.0153986	0.0156775	0.3259969	0.6960917	6	0.77488901
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.411915	0.0720466	1.08E-08	-0.0384412	0.0221168	0.08219346	0.09393723	5	0.60753209
ENSG00000142188	21	TMEM50B	34804792	rs2284556	21	34806305	A	G	0.444334	0.0132937	0.00805122	0.0987097	-0.690491	0.0960411	6.50E-13	-0.0192525	0.0119637	0.1075621	0.9517919	12	0.63267467
ENSG00000159228	21	CBR1	37442239	rs2845740	21	37364666	A	G	0.338966	-0.0073713	0.00840502	0.380481	0.470772	0.0779898	1.58E-09	-0.0156579	0.0180411	0.3854508	0.3458695	15	0.81252804
ENSG00000233393	21	AP000688.29	37477179	rs28859391	21	37473206	A	G	0.261431	-0.0165013	0.00955113	0.0840446	0.658198	0.110526	2.60E-09	-0.0250704	0.0151094	0.09706269	0.106102	16	0.61532078
ENSG00000236830	21	CBR3-AS1	37504065	rs8129612	21	37532963	G	A	0.348907	0.00815565	0.00876605	0.352181	-0.641198	0.112078	1.06E-08	-0.0127194	0.013851	0.3584597	0.9311899	7	0.79157371
ENSG00000159267	21	HLCS	38123189	rs8127595	21	38349240	A	G	0.368787	0.00396278	0.0082146	0.629516	-0.381268	0.0624189	1.01E-09	-0.0103937	0.0216126	0.6305808	0.04130153	5	0.90242996
ENSG00000224790	21	AP000704.5	38338812	rs2154530	21	38348663	A	G	0.430417	0.00929214	0.00808004	0.250139	-0.638107	0.110011	6.62E-09	-0.014562	0.012909	0.2592971	0.07038734	7	0.75499306
ENSG00000182670	21	TTC3	38445526	rs11911508	21	38470504	C	T	0.525845	-0.0027679	0.00810478	0.732718	0.666895	0.0836557	1.56E-15	-0.0041504	0.0121642	0.7329546	0.0854527	18	0.91827118
ENSG00000183527	21	PSMG1	40546695	rs8134843	21	40542522	C	G	0.480119	-0.0169575	0.00812992	0.0369947	0.479654	0.068021	1.77E-12	-0.0353536	0.0176755	0.04548434	0.1673611	13	0.51151367
ENSG00000182093	21	WRB	40752170	rs2837002	21	40763986	G	T	0.693837	-0.0176086	0.00964693	0.0679548	-0.627631	0.0743956	3.27E-17	0.0280557	0.015726	0.07441932	0.4110199	20	0.58941739
ENSG00000157578	21	LCA5L	40777770	rs13051142	21	40817430	A	G	0.518887	0.00381647	0.00806513	0.636066	-0.764175	0.11172	7.91E-12	-0.0049942	0.0105793	0.6368712	0.02166769	20	0.90242996
ENSG00000184809	21	C21orf88	40969074	rs673361	21	40991982	A	G	0.289264	-0.0036012	0.00952567	0.705393	-0.643874	0.0948163	1.12E-11	0.005593	0.0148172	0.7058269	0.3091944	8	0.90615226
ENSG00000226496	21	LINC00323	42513427	rs9980363	21	42520134	C	T	0.192843	0.0244683	0.0113088	0.0304916	-1.00717	0.115743	3.27E-18	-0.0242941	0.0115702	0.0357537	0.6190189	9	0.47400007
ENSG00000182240	21	BACE2	42539728	rs9980363	21	42520134	C	T	0.192843	0.0244683	0.0113088	0.0304916	-1.25103	0.117758	2.31E-26	-0.0195585	0.00922516	0.03399524	0.392582	14	0.47400007
ENSG00000183844	21	FAM3B	42676139	rs66933393	21	42690424	T	C	0.138171	0.00252843	0.0136804	0.853369	0.937447	0.131873	1.17E-12	0.00269714	0.0145982	0.8534181	0.6063341	11	0.97265415
ENSG00000160200	21	CBS	44473301	rs234728	21	44448775	A	G	0.372763	0.00043497	0.0081349	0.957358	-0.820508	0.119927	7.82E-12	-0.0005301	0.00991477	0.9573595	0.6529576	11	0.98571272
ENSG00000241945	21	PWP2	45527171	rs6518345	21	45477100	A	G	0.2833	0.00450114	0.00962377	0.639991	1.31445	0.11933	3.23E-28	0.00342435	0.00732812	0.6402927	0.3531244	16	0.90242996
ENSG00000160221	21	C21orf33	45553487	rs3788104	21	45512094	A	G	0.16501	-0.0090425	0.0116415	0.437309	1.35375	0.134723	9.34E-24	-0.0066796	0.0086251	0.4386736	0.05992286	15	0.85327664
ENSG00000237604	21	AP001056.1	45595372	rs6518345	21	45477100	A	G	0.2833	0.00450114	0.00962377	0.639991	0.801358	0.12471	1.31E-10	0.00561689	0.0120411	0.6408744	0.2863659	6	0.90242996
ENSG00000141959	21	PFKL	45719934	rs9975113	21	45725715	G	A	0.313121	0.00156389	0.00857929	0.855358	-0.759421	0.0836376	1.09E-19	-0.0020593	0.0112994	0.8553866	0.8626937	11	0.97265415
ENSG00000184441	21	AP001062.7	45751117	rs2277808	21	45742115	A	G	0.631213	0.00080983	0.00820903	0.921415	0.493476	0.0845275	5.28E-09	0.00164107	0.0166375	0.9214264	0.5881804	11	0.97711701
ENSG00000261706	21	AP001505.9	46414277	rs7275879	21	46428108	G	C	0.772366	-0.0104057	0.00939324	0.267954	-0.90716	0.134327	1.44E-11	0.0114706	0.0104929	0.2743164	0.6481379	11	0.7563295
ENSG00000215447	21	BX322557.10	46707967	rs2838868	21	46714641	T	C	0.295229	0.0191592	0.00874259	0.0284178	-0.628694	0.0847579	1.19E-13	-0.0304746	0.0145002	0.03558203	0.03778148	15	0.47400007
ENSG00000223768	21	LINC00205	46713200	rs2838866	21	46713014	C	G	0.295229	0.0137387	0.00912152	0.13202	-0.639181	0.0652424	1.16E-22	-0.0214942	0.0144383	0.1365677	0.3304958	19	0.66998905
ENSG00000182871	21	COL18A1	46825052	rs2282117	21	46889666	T	G	0.125249	0.00790485	0.0113054	0.48442	-1.28139	0.137954	1.56E-20	-0.006169	0.00884773	0.4856542	0.4765144	15	0.86386102
ENSG00000160282	21	FTCD	47556176	rs55689527	21	47622727	G	A	0.38668	-0.0103184	0.00813119	0.204444	-0.637985	0.114846	2.77E-08	0.0161734	0.0130734	0.2160416	0.5021341	17	0.73692532
ENSG00000160284	21	SPATC1L	47581062	rs55689527	21	47622727	G	A	0.38668	-0.0103184	0.00813119	0.204444	-0.883652	0.116073	2.68E-14	0.011677	0.00932876	0.210672	0.5439568	20	0.72873407
ENSG00000160285	21	LSS	47608055	rs12151996	21	47643442	A	G	0.420477	-0.0012058	0.00838355	0.885637	0.473587	0.0787903	1.85E-09	-0.0025461	0.0177073	0.8856697	0.3971625	3	0.97445788
ENSG00000182362	21	YBEY	47706251	rs3747006	21	47721661	C	T	0.836978	-0.0170681	0.00959881	0.0753789	-0.834033	0.0984856	2.48E-17	0.0204645	0.0117599	0.08182377	0.5712864	20	0.60753209
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.09526	0.102428	1.10E-26	0.0144567	0.00858031	0.09201283	0.3652884	18	0.61236125
ENSG00000177663	22	IL17RA	17565844	rs9606603	22	17561513	T	A	0.507952	-0.017395	0.00806132	0.03094	0.48384	0.0764402	2.46E-10	-0.035952	0.0176027	0.04111057	0.9653587	12	0.49147213
ENSG00000273164	22	DGCR10	19010569	rs6518508	22	19004772	C	G	0.270378	0.0253138	0.0093982	0.00707131	-0.52856	0.0950029	2.64E-08	-0.047892	0.0197549	0.01533727	0.04940383	12	0.39871484
ENSG00000234409	22	AC006547.14	20135950	rs625686	22	20142932	T	C	0.687873	-0.0057145	0.00863264	0.507997	-0.676105	0.097972	5.16E-12	0.00845204	0.0128268	0.5099366	0.4857551	19	0.87377566
ENSG00000099940	22	SNAP29	21213271	rs144554847	22	21313072	G	A	0.0745527	0.0184407	0.0172561	0.28523	-0.926941	0.116779	2.06E-15	-0.0198941	0.0187841	0.2895575	0.4060512	8	0.76092064
ENSG00000230513	22	THAP7-AS1	21356175	rs2239961	22	21363960	A	G	0.21173	0.00775268	0.00951341	0.415117	-0.92497	0.116407	1.93E-15	-0.0083816	0.010339	0.4175557	0.4966893	12	0.84130138
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.37546	0.190732	5.53E-13	0.00557592	0.013013	0.6682951	0.6087921	3	0.90615226
ENSG00000100023	22	PPIL2	22006559	rs452614	22	22040410	G	A	0.368787	-0.0115389	0.00817198	0.157947	0.315583	0.0576712	4.45E-08	-0.0365638	0.0267431	0.1715551	0.5625565	7	0.69624114
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs5995269	22	22289397	A	G	0.474155	0.00123057	0.00833432	0.882618	-0.972301	0.10013	2.72E-22	-0.0012656	0.00857274	0.8826317	0.1383621	20	0.97445788
ENSG00000228050	22	TOP3BP1	22577580	rs5756324	22	22335125	C	T	0.256461	-0.0006001	0.00931467	0.948635	0.875515	0.101304	5.50E-18	-0.0006854	0.0106394	0.9486362	0.2757957	19	0.98571272

ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.718971	0.108958	4.15E-11	-0.0049821	0.0123787	0.6873379	0.9349126	8	0.90615226
ENSG00000128266	22	GNAZ	23412540	rs13055979	22	23474085	A	G	0.298211	-0.0133075	0.00973127	0.17147	-0.305438	0.0539307	1.48E-08	0.0435686	0.0327756	0.1837498	0.142452	9	0.70770156
ENSG00000272733	22	KB-208E9.1	23923067	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.529956	0.091693	7.48E-09	0.00811467	0.0164709	0.6222472	0.2479805	3	0.90242996
ENSG00000272578	22	AP000347.2	24000281	rs56320140	22	23961187	T	C	0.15507	0.00601343	0.0150267	0.689022	-0.46237	0.0811062	1.19E-08	-0.0130057	0.0325793	0.6897454	0.6374089	7	0.90615226
ENSG00000133460	22	SLC2A11	24198890	rs1984309	22	24230815	A	G	0.745527	0.0185032	0.00972891	0.0571874	0.642567	0.0901605	1.03E-12	0.0287958	0.0156705	0.06612531	0.5963365	10	0.58941739
ENSG00000240972	22	MIF	24236191	rs7292463	22	24214281	G	A	0.709742	0.0237073	0.00932484	0.0110098	0.646947	0.116634	2.91E-08	0.0366449	0.0158555	0.02082322	0.4796032	7	0.41658613
ENSG00000218537	22	AP000350.4	24236613	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.971472	0.115621	4.38E-17	0.00903135	0.00866206	0.2971186	0.2754538	20	0.76092064
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.15009	0.0997886	9.84E-31	0.00762871	0.00729033	0.2953699	0.2082064	20	0.76092064
ENSG00000225282	22	AP000350.6	24269087	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.942654	0.109833	9.28E-18	0.013136	0.00886895	0.1385741	0.5916054	20	0.66998905
ENSG00000133433	22	GSTT2B	24299601	rs5996632	22	24270117	A	C	0.832008	-0.0081328	0.0113852	0.475023	-1.22908	0.140199	1.84E-18	0.00661697	0.00929389	0.4764837	0.01497256	16	0.86343574
ENSG00000099977	22	DDT	24313554	rs2330634	22	24250795	G	C	0.62326	0.0107858	0.00837478	0.197785	0.68068	0.0863088	3.11E-15	0.0158456	0.0124665	0.2037094	0.5210689	20	0.72873407
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.762901	0.122207	4.30E-10	0.0162311	0.0111029	0.1437764	0.3821552	9	0.67136051
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.19497	0.150598	2.11E-15	-0.0107481	0.0092187	0.243656	0.1719261	16	0.75354274
ENSG00000224205	22	AP000351.4	24329511	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.932007	0.110248	2.82E-17	0.0132861	0.00897437	0.1387545	0.5822511	19	0.66998905
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-0.888247	0.142549	4.63E-10	0.0451197	0.0189946	0.01753048	0.6820736	4	0.40066373
ENSG00000235954	22	TTC28-AS1	28315364	rs2267128	22	28316173	A	G	0.0586481	-0.0221559	0.018107	0.221099	0.876613	0.153521	1.13E-08	-0.0252744	0.0211246	0.2315221	0.5080212	10	0.74020581
ENSG00000100325	22	ASCC2	30184597	rs6006241	22	30161278	A	T	0.0477137	0.0199218	0.0168027	0.235767	0.684154	0.12262	2.41E-08	0.0291189	0.0251082	0.2461564	0.2947463	10	0.75499306
ENSG00000205853	22	RFPL3S	32755893	rs5998448	22	32762737	G	A	0.415507	0.00050379	0.00810579	0.950442	-0.526319	0.0925941	1.31E-08	-0.0009572	0.0154018	0.9504452	0.6112613	11	0.98571272
ENSG00000128311	22	TST	37406900	rs7288429	22	37414983	A	G	0.143141	-0.0147241	0.0133299	0.269334	0.866059	0.104965	1.57E-16	-0.0170013	0.0155288	0.2735935	0.72675	20	0.7563295
ENSG00000133466	22	C1QTNF6	37576207	rs69264	22	37603950	A	G	0.222664	-0.0211238	0.00985497	0.0320752	-0.492601	0.0879144	2.10E-08	0.0428822	0.0214199	0.04528675	0.9467812	6	0.51151367
ENSG00000100116	22	GCAT	38203912	rs12484820	22	38207556	G	A	0.332008	0.00593252	0.00863024	0.491824	0.546268	0.0848764	1.23E-10	0.0108601	0.0158884	0.4942763	0.1345425	8	0.86830911
ENSG00000100151	22	PICK1	38452318	rs6000991	22	38460484	C	T	0.61332	-0.0042041	0.00894056	0.638194	-0.776392	0.0764457	3.11E-24	0.00541488	0.0115279	0.6385542	0.6297593	20	0.90242996
ENSG00000228274	22	RP3-508I15.9	39063590	rs5757193	22	39034867	A	G	0.293241	-0.0040994	0.00856121	0.632054	-0.685273	0.111333	7.50E-10	0.0059822	0.0125309	0.6330799	0.7857383	16	0.90242996
ENSG00000235209	22	CTA-150C2.13	39317232	rs6001315	22	39304924	G	A	0.630219	0.0146383	0.00839842	0.0813373	0.912247	0.128211	1.12E-12	0.0160464	0.0094785	0.09046917	0.921776	3	0.61234768
ENSG00000100324	22	TAB1	39795746	rs4821887	22	39756985	T	C	0.742545	-0.0001048	0.00895891	0.990666	-0.318045	0.056107	1.44E-08	0.00032954	0.0281687	0.990666	0.7242037	11	0.99755759
ENSG00000128272	22	ATF4	39915700	rs5750847	22	39937223	C	A	0.322068	0.00212915	0.00862744	0.805073	0.393467	0.0679022	6.85E-09	0.00541125	0.0219466	0.8052452	0.3663559	4	0.95531805
ENSG00000196236	22	XPNPEP3	41253081	rs103197	22	41256802	G	A	0.542744	0.0123932	0.00807306	0.124751	0.487816	0.0762237	1.56E-10	0.0254055	0.0170189	0.1354935	0.6074467	11	0.66998905
ENSG00000100418	22	DESI1	41994032	rs56355159	22	41716591	A	G	0.0129225	0.0423829	0.0475512	0.372763	-1.54219	0.276228	2.36E-08	-0.0274823	0.031224	0.3787699	0.06736444	6	0.81174572
ENSG00000183172	22	SMDT1	42475695	rs8143153	22	42515637	C	G	0.336978	0.00250983	0.00828812	0.762025	-0.397869	0.0609419	6.64E-11	-0.0063082	0.0208537	0.7622729	0.9884193	9	0.93375742
ENSG00000184983	22	NDUFA6	42481529	rs117150568	22	42683200	A	G	0.027833	0.01305	0.0294216	0.657367	1.37871	0.177063	6.89E-15	0.00946537	0.0213745	0.657886	0.3208087	14	0.90478858
ENSG00000100197	22	CYP2D6	42522501	rs2743461	22	42540551	A	G	0.536779	-0.0052033	0.00806	0.518556	0.858924	0.088579	3.11E-22	-0.0060579	0.00940461	0.5194808	0.02864078	20	0.87377566
ENSG00000186732	22	MPPED1	43807202	rs8135509	22	43809158	T	C	0.173956	-0.0064633	0.0100251	0.519116	0.808745	0.113926	1.26E-12	-0.0079917	0.0124469	0.5208295	0.1287252	9	0.87377566
ENSG00000226328	22	CTA-217C2.1	45528901	rs13054435	22	45553459	A	G	0.190855	-0.0126105	0.0115424	0.274596	-0.707786	0.115893	1.01E-09	0.0178168	0.0165666	0.2821671	0.6546989	3	0.75707947
ENSG00000100376	22	FAM118A	45704849	rs5764704	22	45757987	T	C	0.864811	0.0124982	0.010551	0.236195	-1.55743	0.165814	5.85E-21	-0.0080249	0.00682828	0.2398979	0.55561	13	0.74677895
ENSG00000130943	22	PKDREJ	46651560	rs9615913	22	46668515	A	T	0.157058	0.0192385	0.012539	0.124957	-0.715983	0.123506	6.75E-09	-0.0268701	0.018116	0.1380147	0.355386	11	0.66998905
ENSG00000219438	22	FAM19A5	48885272	rs28453682	22	48992380	G	A	0.741551	-0.0005841	0.00975128	0.952235	0.617376	0.091056	1.20E-11	-0.0009461	0.0157953	0.9522366	0.07849796	5	0.98571272
ENSG00000073146	22	MOV10L1	50528308	rs13054520	22	50567268	A	G	0.134195	-0.009781	0.0123623	0.428832	0.987945	0.152237	8.61E-11	-0.0099003	0.0126058	0.432233	0.7589163	13	0.84740447
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.43466	0.201795	1.16E-12	0.0351154	0.018698	0.06037666	0.02457165	10	0.5699688
ENSG00000188130	22	MAPK12	50683879	rs6010219	22	50693538	A	G	0.697813	0.00172744	0.00897181	0.847318	-0.476235	0.0709693	1.94E-11	-0.0036273	0.0188468	0.8473806	0.9760818	7	0.97265415
ENSG00000100239	22	PPP6R2	50781733	rs5770920	22	50878626	C	A	0.0954274	0.0067343	0.0116196	0.561912	1.53457	0.143341	9.57E-27	0.00439174	0.007583	0.5624839	0.5852417	20	0.88670398
ENSG00000217442	22	SYCE3	50989541	rs78789402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.43893	0.214978	2.18E-11	0.0024395	0.0106702	0.8191584	0.7463409	6	0.95999913
ENSG00000205560	22	CPT1B	51007290	rs762676	22	51017794	G	A	0.0427435	-0.0168835	0.0161755	0.296592	-0.950763	0.137344	4.44E-12	0.0177578	0.0172055	0.3020235	0.9682517	15	0.76092064
ENSG00000100299	22	ARSA	51061182	rs6151429	22	51063477	C	T	0.0815109	-0.0164026	0.0215329	0.446214	-0.836949	0.134083	4.32E-10	0.0195981	0.0259187	0.4495674	0.9846281	8	0.8581303
ENSG00000130021	23	HDHD1	6966961	rs5934700	23	7139497	G	T	0.704961	0.0157839	0.00760566	0.0379603	-0.305473	0.0544854	2.06E-08	-0.0516704	0.0265489	0.05162707	0.2147311	4	0.54819201
ENSG00000006757	23	PNPLA4	7866288	rs1183207	23	7888073	T	C	0.593995	-0.0052954	0.00710763	0.45625	0.356352	0.0624375	1.15E-08	-0.0148601	0.0201148	0.4600479	0.3213964	3	0.86231368
ENSG00000228543	23	GS1-519E5.1	9217960	rs6640332	23	9217822	A	G	0.234987	-0.0048854	0.00789641	0.53612	0.814145	0.0985945	1.49E-16	-0.0060007	0.00972621	0.5372598	0.6552886	8	0.87706746
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.502823	0.0488501	7.56E-25	-0.0181271	0.0151253	0.2307361	0.04282239	20	0.74020581
ENSG00000186312	23	CA5BP1	15693055	rs6632722	23	15736756	G	A	0.246736	-0.0067642	0.0093174	0.467853	0.547855	0.0938311	5.26E-09	-0.0123467	0.017138	0.4712605	0.6506821	12	0.86238452
ENSG00000169249	23	ZRSR2	15808595	rs5936056	23	15814250	C	G	0.732376	-0.0105951	0.00805596	0.188445	-0.417305	0.0619122	1.58E-11	0.0253893	0.0196688	0.1967578	0.5204739	4	0.72334703
ENSG00000169306	23	IL1RAPL1	28605516	rs4103136	23	28886169	G	C	0.523499	0.00308221	0.00711742	0.664978	0.349126	0.0636178	4.07E-08	0.00882836	0.0204498	0.6659525	0.09459626	6	0.90615226
ENSG00000204272	23	RP11-622K12.1	56755692	rs2095249	23	56917438	C	G	0.22846	-0.0030549	0.0101611	0.763688	0.40606	0.0648016	3.70E-10	-0.0075232	0.0250524	0.7639512	0.5689859	14	0.9338376
ENSG00000225470	23	JPX	73164159	rs67649459	23	73289597	G	C	0.0587467	-0.0332628	0.024889	0.181404	-0.906958	0.109843	1.50E-16	0.0366751	0.0277994	0.1870768	0.0911812	14	0.71105558
ENSG00000187325	23	TAF9B	77385245	rs17139585	23	77360724	C	T	0.214099	0.00444736	0.00847966	0.59995	-0.419999	0.0622998	1.57E-11	-0.010589	0.0202507	0.6010481	0.09811825	20	0.89456808
ENSG00000186310	23	NAP1L3	92925929	rs6619375	23	92849208	A	G	0.477807	-0.0103417	0.00703745	0.14169	-0.247605	0.0417912	3.13E-09	0.0417669	0.0292833	0.1537798	0.8238108	13	0.67136051
ENSG00000018610	23	CXorf56	118672112	rs417870	23	118649074	A	G	0.718016	-0.0045546	0.00773594	0.556023	0.529612	0.0738673	7.51E-13	-0.0085999	0.014656	0.5573483	0.3754824	20	0.88493053
ENSG00000125352	23	RNF113A	119004497	rs2496185	23	119025395	C	T	0.624021	0.00282805	0.0071287	0.691579	0.438195	0.0714779	8.76E-10	0.00645386	0.0163024	0.6921897	0.7580855	16	0.90615226
ENSG00000258545	23	RP4-755D9.1	119170201	rs12556825	23	119229036	C	G	0.100522	0.0138742	0.0134006	0.300509	0.98854	0.146007	1.28E-11	0.014035	0.0137135	0.3060977	0.319334	3	0.76092064
ENSG00000183631	23	CXorf64	125953747	rs5931711	23	125942572	A	G	0.843342	0.00547043	0.00854782	0.522186	-0.532211	0.0855808	5.01E-10	-0.0102787	0.0161458	0.5243741	0.1635615	7	0.87377566
ENSG00000212747	23	FAM127C	134154543	rs2475853	23	134156121	C	G	0.75718	0.0049918	0.00754638	0.508302	0.419528	0.0663694	2.60E-10	0.0118986	0.018086	0.5106086	0.2627717	12	0.87377566
ENSG00000238039	23	AF011889.2	148593039	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.848879	0.0927597	5.62E-20	-0.0061343	0.00849445	0.4701995	0.9332798	20	0.86231368
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.575386	0.105327	4.69E-08	0.00777268	0.0132081	0.5562113	0.5304432	3	0.88493053
ENSG00000217889	23	KRT18P48	152869952	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-0.988117	0.173236	1.17E-08	-0.0136363	0.0211948	0.5199769	0.729968	4	0.87377566
ENSG00000130822	23	PNCK	152935185	rs41302172	23	152959128	G	A	0.109661	0.00749606	0.011376	0.509936	-0.584238	0.088546	4.16E-11	-0.0128305	0.0195684	0.5120334	0.939207	13	0.87377566
ENSG00000184343	23	SRPK3	153041867	rs1981439	23	153047809	G	A	0.834204	-0.0070765	0.00892488	0.427842	0.650591	0.103843	3.73E-10	-0.010877	0.0138275	0.4315068	0.5890363	8	0.84740447
ENSG00000177854	23	TMEM187	153237778	rs4898375	23	153273226	G	A	0.848564	0.00104179	0.0103427	0.919767	0.575768	0.0989014	5.83E-09	0.00180939	0.017966	0.9197791	0.2747716	10	0.97711701
ENSG00000071859	23	FAM50A	153672473	rs6655247	23	153652384	G	A	0.0822454	0.00556226	0.00982708	0.571384	0.37623	0.0623716	1.62E-09	0.0147842	0.0262346	0.5730686	0.417517	4	0.88725573
ENSG00000130827	23	PLXNA3	153686621	rs5987272	23	153732411	T	C	0.887728	0.0222827	0.0120731	0.0649426	0.570833	0.0782998	3.09E-13	0.0390354	0.0218172	0.07358219	0.2479067	20	0.58941739
ENSG00000071889	23	FAM3A	153733350	rs113051814	23	153832236	G	A	0.920366	0.0307647	0.0136988	0.0247172	0.52215	0.0734974	1.21E-12	0.0589193	0.027515	0.0322458	0.3436594	20	0.47400007

Table S14. The result of SMR analysis and sensitivity analysis for anxiety susceptibility in frontal cortex

probeID	ProbeChr	Gene	Probe_bp	topSNP	topSNP_chr	topSNP_bp	A1	A2	Freq	b_GWAS	se_GWAS	p_GWAS	b_eQTL	se_eQTL	p_eQTL	b_SMR	se_SMR	p_SMR	p_HEIDI	nsnp_HEIDI	fdr
ENSG00000225880	1	LINC00115	761586	rs3094315	1	752566	A	G	0.83996	-0.0073237	0.0102069	0.473049	-0.833862	0.106048	3.75E-15	0.00878287	0.0122914	0.4748837	0.9582308	12	0.85935571
ENSG00000272512	1	RP11-54O7.17	931346	rs2799060	1	931362	A	G	0.360835	-0.0060207	0.00818077	0.461758	-0.62653	0.0773496	5.50E-16	0.00960958	0.0131111	0.4635967	0.3528392	20	0.85681817
ENSG00000131591	1	C1orf159	1017198	rs6678318	1	1030633	A	G	0.166004	-0.0045791	0.00996289	0.645793	-0.48489	0.0589799	2.01E-16	0.00944354	0.0205788	0.6463081	0.5893796	18	0.91263867
ENSG00000176022	1	B3GALT6	1167629	rs77994686	1	1170982	A	C	0.100398	-0.0095706	0.0120718	0.427894	-0.379943	0.06615	9.27E-09	0.0251895	0.0320739	0.4322439	0.4157633	8	0.84962477
ENSG00000242485	1	MRPL20	1337288	rs12746510	1	1319123	C	T	0.0964215	-0.0147072	0.0124229	0.236461	0.412703	0.0598781	5.49E-12	-0.0356363	0.0305421	0.2432948	0.7071864	20	0.73450129
ENSG00000235098	1	ANKRD65	1353800	rs3766165	1	1354594	G	A	0.0924453	-0.0096122	0.0114549	0.401396	-1.16734	0.10673	7.65E-28	0.00823424	0.00984166	0.4027769	0.1789985	20	0.8240298
ENSG00000225905	1	RP4-758J18.7	1355625	rs112401380	1	1350391	G	A	0.0934394	-0.0084721	0.0114261	0.458408	-0.737192	0.13246	2.62E-08	0.0114924	0.0156364	0.4623537	0.1532957	14	0.85681817
ENSG00000215915	1	ATAD3C	1385069	rs4590	1	1375810	G	C	0.188867	-0.0138068	0.00926983	0.136373	-0.708765	0.0856866	1.32E-16	0.0194801	0.0132892	0.1426866	0.9373688	20	0.66222016
ENSG00000160072	1	ATAD3B	1407143	rs144526264	1	1466393	A	G	0.0129225	0.0361086	0.042041	0.390401	-2.04962	0.223907	5.49E-20	-0.0176172	0.0206017	0.3924768	0.791617	20	0.82273105
ENSG00000272106	1	RP11-345P4.9	1549138	rs4648611	1	1550702	G	A	0.706759	0.00023827	0.00908885	0.979085	-0.498453	0.0629024	2.30E-15	-0.000478	0.0182342	0.9790852	0.02925848	11	0.99106084
ENSG00000189339	1	SLC35E2B	1592939	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	-0.992011	0.072398	9.85E-43	-0.0034405	0.00971201	0.7231495	0.5013553	20	0.93391705
ENSG00000215914	1	MMP23A	1631369	rs35947799	1	1625606	A	G	0.589463	-0.0071274	0.00834565	0.393095	0.57298	0.100849	1.33E-08	-0.0124391	0.014729	0.3983721	0.6342371	8	0.82273105
ENSG00000008128	1	CDK11A	1634169	rs374313793	1	1620660	A	G	0.0417495	0.0132941	0.0309288	0.66732	-1.57537	0.215219	2.48E-13	-0.0084387	0.0196665	0.6678577	0.2586746	4	0.91884947
ENSG00000227775	1	RP1-283E3.4	1655951	rs111946117	1	1590291	G	C	0.251491	0.00341302	0.0096312	0.723061	0.728244	0.0734215	3.45E-23	0.00468664	0.0132337	0.72323	0.3009871	14	0.93391705
ENSG00000215790	1	SLC35E2	1656277	rs148796517	1	1783232	T	C	0.0238569	0.0556568	0.0561856	0.321887	-1.26386	0.168811	7.05E-14	-0.0440372	0.044843	0.3260851	0.5574817	4	0.78543469
ENSG00000231050	1	RP1-140A9.1	1822910	rs941529	1	1840606	A	G	0.195825	-0.0044046	0.0110347	0.689776	-1.14856	0.11608	4.40E-23	0.0038349	0.00961524	0.6900144	0.4908588	20	0.92403695
ENSG00000142609	1	C1orf222	1853396	rs12758705	1	1873625	A	G	0.233598	-0.0118873	0.00937251	0.204687	-0.471305	0.07627	6.43E-10	0.0252221	0.0203008	0.2140831	0.9823577	19	0.71009944
ENSG00000233542	1	RP11-547D24.1	1944652	rs72911372	1	1950551	A	G	0.177932	0.00259282	0.0110102	0.813827	0.843808	0.103004	2.57E-16	0.00307276	0.0130536	0.8139019	0.5134843	5	0.96265634
ENSG00000116151	1	MORN1	2252692	rs7530501	1	2295030	G	T	0.159046	0.00741333	0.0107366	0.489895	-0.578226	0.0936989	6.78E-10	-0.0128208	0.018684	0.4925927	0.1439664	15	0.86791667
ENSG00000269896	1	RP4-740C4.6	2281853	rs7545940	1	2299627	C	T	0.352883	-0.001158	0.00836872	0.889951	-0.341848	0.0549159	4.82E-10	0.00338732	0.0244869	0.8899778	0.7191919	8	0.97766034
ENSG00000272420	1	RP4-740C4.7	2294500	rs7539099	1	2296097	T	A	0.506958	-0.0015343	0.00835039	0.854218	0.507587	0.0612523	1.16E-16	-0.0030227	0.0164552	0.8542529	0.8312211	20	0.97447565
ENSG00000229393	1	RP3-395M20.3	2424876	rs2477707	1	2431057	T	C	0.193837	0.0104556	0.00968525	0.280348	0.472728	0.0726851	7.83E-11	0.0221176	0.0207683	0.2868907	0.9228417	7	0.76512984
ENSG00000157870	1	FAM213B	2517930	rs368077828	1	2716569	G	C	0.0198807	-0.0168076	0.0328531	0.608932	-0.813699	0.137546	3.30E-09	0.0206558	0.0405257	0.6102643	0.09335411	3	0.89918729
ENSG00000169598	1	DFFB	3773845	rs4073323	1	3798049	G	A	0.522863	-0.0029216	0.00807085	0.717355	0.484318	0.0586581	1.50E-16	-0.0060324	0.0166804	0.7176142	0.5494653	18	0.93305022
ENSG00000131697	1	NPHP4	5922871	rs11120781	1	5981918	C	T	0.16004	-0.0156454	0.0115708	0.176329	-0.503414	0.0700405	6.60E-13	0.0310786	0.0233879	0.1839024	0.02700942	20	0.68478134
ENSG00000116237	1	ICMT	6281253	rs2092412	1	6279118	C	T	0.0407555	-0.0456071	0.0332949	0.170752	-0.720531	0.0956199	4.87E-14	0.0632965	0.0469661	0.1777529	0.1675594	15	0.68323261
ENSG00000270171	1	RP11-338N10.1	7753184	rs4908684	1	7773380	G	C	0.487078	-0.0020565	0.00806891	0.798823	-0.773274	0.0857623	1.94E-19	0.00265951	0.0104389	0.7989014	0.04710072	17	0.95632975
ENSG00000238290	1	RP11-431K24.1	8086798	rs11577776	1	8094641	A	G	0.421471	0.00229403	0.00854176	0.788263	0.692263	0.0968974	9.05E-13	0.00331381	0.0123476	0.7884092	0.2342603	12	0.95332026
ENSG00000171608	1	PIK3CD	9711790	rs4240910	1	9750457	C	T	0.483101	0.00493458	0.0080887	0.541822	0.368215	0.0612171	1.80E-09	0.0134014	0.02208	0.5438876	0.9822925	3	0.8813815
ENSG00000242349	1	NPPA-AS1	11901074	rs198399	1	11883629	A	T	0.398608	0.00133901	0.00840159	0.873372	-0.629935	0.0991242	2.08E-10	-0.0021256	0.0133414	0.8734123	0.5004461	9	0.97609174
ENSG00000259961	1	RP4-597A16.2	13839715	rs2990683	1	13841055	C	T	0.765408	0.0169961	0.0104685	0.104474	-0.846639	0.13505	3.63E-10	-0.0200748	0.0127727	0.1160211	0.9934952	8	0.64624497
ENSG00000175147	1	TMEM51-AS1	15442448	rs72640781	1	15472617	G	T	0.182903	0.00379957	0.0111419	0.733091	-0.645657	0.110052	4.44E-09	-0.0058848	0.0172858	0.7335239	0.6984343	7	0.93606022
ENSG00000228140	1	RP3-467K16.4	15729475	rs2092324	1	15733394	A	G	0.704771	-0.0068303	0.00823923	0.407108	-0.706806	0.0855917	1.48E-16	0.00966354	0.0117156	0.4094593	0.9389958	3	0.83183077
ENSG00000116771	1	AGMAT	15898848	rs6690758	1	15914648	A	G	0.295229	0.00651961	0.00845834	0.440831	0.39666	0.0516772	1.64E-14	0.0164363	0.0214312	0.443121	0.4809493	9	0.8522258
ENSG00000162461	1	SLC25A34	16062900	rs11577746	1	16061586	G	A	0.21173	-0.0043913	0.010149	0.665243	-0.674727	0.0830969	4.67E-16	0.00650831	0.015063	0.6656884	0.06969077	10	0.91884947
ENSG00000186510	1	CLCNKA	16345370	rs3738633	1	16359827	G	A	0.479125	0.0111948	0.00824972	0.174785	-0.516947	0.0897209	8.33E-09	-0.0216556	0.0163952	0.1865504	0.4855133	10	0.68892944
ENSG00000232456	1	RP11-5P18.10	16361673	rs1414498	1	16381718	C	T	0.791252	0.00716724	0.00880481	0.415637	0.73591	0.119123	6.50E-10	0.00973929	0.0120679	0.4196444	0.3768449	11	0.83980935
ENSG00000142632	1	ARHGEF19	16524349	rs221035	1	16526529	A	G	0.739563	0.00797882	0.00953297	0.402609	-0.534717	0.0737042	4.02E-13	-0.0149216	0.0179463	0.4057159	0.1007899	5	0.82870557
ENSG00000037637	1	FBXO42	16573334	rs59033717	1	16644758	A	C	0.424453	0.019356	0.00805674	0.0162855	0.300963	0.0537729	2.18E-08	0.0643136	0.0291319	0.02726731	0.5977492	6	0.42271621
ENSG00000215908	1	CROCCP2	16944751	rs156916	1	16850013	C	T	0.61829	0.0085219	0.00846185	0.313888	-0.52697	0.094567	2.51E-08	-0.0161715	0.0163177	0.3216652	0.7733332	8	0.78475979
ENSG00000186301	1	MST1P2	16972069	rs76074825	1	17284498	C	T	0.525845	-0.0053509	0.00810043	0.508885	0.446387	0.0758889	4.05E-09	-0.0119872	0.0182607	0.5115365	0.7544077	5	0.87180736
ENSG00000058453	1	CROCC	17066768	rs12217103	1	17275895	T	A	0.307157	0.0138222	0.00842089	0.10071	0.338	0.0546557	6.24E-10	0.0408941	0.0257765	0.1126292	0.7726743	6	0.64284556
ENSG00000186715	1	MST1L	17081405	rs111921195	1	16821164	A	C	0.05666	0.0012156	0.0190531	0.949129	-1.17412	0.195826	2.03E-09	-0.0010353	0.0162285	0.9491318	0.8491642	4	0.98751784
ENSG00000228549	1	U1	17197440	rs1985272	1	17188391	C	T	0.465209	0.00134508	0.0084758	0.873908	0.522917	0.0915411	1.11E-08	0.00257226	0.0162149	0.8739562	0.3261268	3	0.97609174
ENSG00000238142	1	RP11-108M9.4	17215033	rs157252	1	16796721	C	A	0.553678	-0.0031391	0.00807261	0.697381	-0.50507	0.0861455	4.55E-09	0.0062152	0.0160183	0.6980109	0.6506955	7	0.92737562
ENSG00000159339	1	PADI4	17634690	rs2240336	1	17674402	T	C	0.414513	-0.0067933	0.00821811	0.408452	1.05136	0.0801589	2.67E-39	-0.0064614	0.00783216	0.4093807	0.1793262	20	0.83183077
ENSG00000261781	1	RP11-174G17.2	18392151	rs61763557	1	18396025	G	A	0.233598	8.80E-05	0.00987631	0.992888	0.677567	0.100779	1.78E-11	0.00012992	0.0145762	0.9928884	0.08398156	8	0.99666195
ENSG00000127463	1	EMC1	19542158	rs12095615	1	19573223	G	A	0.340954	-0.0141349	0.0090609	0.118762	-0.478319	0.0528715	1.47E-19	0.0295512	0.0192228	0.1242196	0.3810798	20	0.65409865
ENSG00000053372	1	MRTO4	19578033	rs1063984	1	19586294	G	A	0.22664	0.00577894	0.0107689	0.591522	-0.337342	0.0446635	4.25E-14	-0.0171308	0.0320033	0.5924542	0.777301	5	0.89572075
ENSG00000158747	1	NBL1	19967048	rs115614639	1	19971135	A	C	0.245527	0.0194592	0.00968952	0.0446149	-0.376196	0.0495708	3.22E-14	-0.0517262	0.0266432	0.05220426	0.4849275	8	0.54356555
ENSG00000169914	1	OTUD3	20209006	rs10492999	1	20237760	G	A	0.05666	0.015587	0.0132551	0.239624	1.00923	0.110342	5.89E-20	0.0154444	0.013242	0.2434831	0.5602927	8	0.73450129
ENSG00000127472	1	PLA2G5	20354672	rs525380	1	20409374	C	A	0.55169	0.00854166	0.00810777	0.292105	-0.233413	0.0427461	4.75E-08	-0.0365946	0.0353763	0.3009313	0.3335089	3	0.77657782
ENSG00000090432	1	MUL1	20825943	rs529974	1	20826910	A	G	0.357853	-0.0010286	0.00863291	0.90516	-0.520305	0.062671	1.02E-16	0.00197688	0.0165937	0.9051691	0.5803141	20	0.98043565
ENSG00000158825	1	CDA	20915441	rs527912	1	20934283	A	G	0.37674	-0.0088825	0.0088918	0.317816	0.461339	0.0701329	4.77E-11	-0.0192538	0.0194949	0.3233325	0.1651177	11	0.78504313
ENSG00000117245	1	KIF17	20990507	rs601329	1	21044161	G	A	0.7167	0.00042191	0.00905126	0.962821	0.319077	0.0472887	1.50E-11	0.00132229	0.0283677	0.9628222	0.3454719	13	0.98751784
ENSG00000227001	1	NBPF2P	21751118	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	0.996283	0.112678	9.41E-19	-0.0134058	0.00953123	0.159571	0.4380493	13	0.67732719
ENSG00000142794	1	NBPF3	21766621	rs4654948	1	21805978	A	G	0.771372	-0.013356	0.00937489	0.154258	-1.18308	0.0853374	1.05E-43	0.0112892	0.00796587	0.1564264	0.2918853	19	0.67252247
ENSG00000218510	1	LINC00339	22351681	rs11801382	1	22352108	T	C	0.27833	0.0065088	0.00916258	0.477476	1.12875	0.100162	1.86E-29	0.00576638	0.00813357	0.478349	0.1152107	13	0.86132531
ENSG00000179546	1	HTR1D	23516993	rs649664	1	23324263	T	C	0.492048	0.00487061	0.00812109	0.548674	0.621114	0.0954673	7.72E-11	0.00784173	0.0131305	0.5503631	0.8501755	16	0.88412409
ENSG00000204219	1	TCEA3	23707554	rs4649090	1	23781642	T	C	0.671968	-0.0132101	0.00910564	0.146845	0.7193	0.0710397	4.27E-24	-0.0183652	0.0127883	0.1509756	0.5599416	20	0.66314889
ENSG00000088280	1	ASAP3	23755056	rs71514236	1	23810658	A	G	0.688867	-0.0121853	0.00916805	0.183815	0.247115	0.0388798	2.07E-10	-0.0493102	0.0379028	0.1932706	0.1939165	9	0.69257289
ENSG00000117305	1	HMGCL	24128375	rs12755062	1	24185025	A	T	0.332008	-0.0150178	0.00822554	0.0678875	0.256368	0.0409854	3.97E-10	-0.0585791	0.0334237	0.0796671	0.2289998	8	0.60486272
ENSG00000001460	1	STPG1	24683489	rs4648985	1	24759930	T	C	0.234592	0.0151443	0.0101201	0.134535	-0.28689	0.0485906	3.54E-09	-0.0527878	0.0363906	0.146894	0.3882276	3	0.66222016
ENSG00000261349	1	RP3-465N24.5	25592593	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-0.718586	0.105797	1.10E-11	0.0426241	0.013339	0.00139618	0.7003746	4	0.24091354
ENSG00000187010	1	RHD	25598884	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-1.1483	0.0929248	4.45E-35	0.0266734	0.00767563	0.0005107	0.456876	15	0.23528574
ENSG00000224183	1	SDHDP6	25620655	rs55794721	1	25561667	A	G	0.388668	-0.0306291	0.00845823	0.00029322	-1.00279	0.106297	3.95E-21	0.0305439	0.00903475	0.00072299	0.246419	10	0.23528574
ENSG00000183726	1	TMEM50A	25664408	rs9689	1	25688276	G	A	0.552684	-0.013008	0.00805863	0.106491	0.434909	0.0599491	4.03E-13	-0.0299097	0.0189826	0.1151091	0.1084796	8	0.64624497
ENSG00000188672	1	RHCE	25688740	rs599691	1	25698354	C	T	0.554672	-0.0126817	0.00806275	0.115748	0.770495	0.0765493	7.86E-24	-0.0164592	0.0105914	0.1201806	0.01538004	11	0.65227447
ENSG00000157978	1	LDLRAP1	25870071	rs6688931	1	25889672	A	G	0.494036	0.00697304	0.00809521	0.389029	-0.310299	0.0413649	6.31E-14	-0.022472	0.0262598	0.3921332	0.03650525	6	0.82273105
ENSG00000142675	1	CNKSR1	26503894	rs8768	1	26497340	C	A	0.76839	0.0143315	0.00984389	0.145428	0.848323	0.0684205	2.66E-35	0.0168939	0.0116837	0.148193	0.05984369	20	0.66222016
ENSG00000090273	1	NUDC	27226729	rs11538549	1	27248283	G	C	0.0745527	-0.022109	0.0150518	0.141871	0.677331	0.0968798	2.72E-12	-0.0326414	0.0227074	0.150582	0.5954057	13	0.6624237
ENSG00000117748	1	RPA2	28218035	rs17185052	1	28241083	A	G	0.0626243	0.0214451	0.0192171	0.264447	1.37572	0.113012	4.32E-34	0.0155883	0.0140273	0.2664484	0.8162646	14	0.74993584
ENSG00000158161	1	EYA3	28296855	rs12144063	1	28406047	T	G	0.291252	-0.0194968	0.00861496	0.0236271	0.507141	0.0570471	6.12E-19	-0.0384445	0.0175291	0.02829437	0.8038324	12	0.42318362
ENSG00000130770	1	ATPIF1	28562620	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-0.229358	0.0359489	1.77E-10	0.0300104	0.0396256	0.4488413	0.8157746	10	0.85269709
ENSG00000270605	1	RP5-1092A3.4	28566020	rs546569	1	28575140	G	T	0.293241	-0.0068831	0.00902419	0.445618	-1.04362	0.074215	6.49E-45	0.00659543	0.00865972	0.4462859	0.267248	20	0.85269709
ENSG00000204138	1	PHACTR4	28696114	rs7526211	1	28724380	T	G	0.348907	0.016931	0.00838293	0.043414	-0.344855	0.0468007	1.72E-13	-0.049096	0.0252052	0.05143234	0.8593662	14	0.54321388
ENSG00000084628	1	NKAIN1	31652592	rs11584136	1	31685616	C	G	0.760437	0.00128925	0.00890456	0.88488	0.649141	0.0847984	1.93E-14	0.00198609	0.0137199	0.8849008	0.142962	18	0.97615419
ENSG00000235790	1	RP11-73M7.6	32109650	rs6657383	1	32165059	T	C	0.527833	-0.0006868	0.0080869	0.932323	0.350807	0.0549929	1.78E-10	-0.0019577	0.0230543	0.9323291	0.7030566	4	0.98634239
ENSG00000084636	1	COL16A1	32117848	rs10798887	1	32173811	A	G	0.537773	-0.0002472	0.008081	0.975592	0.35925	0.0513769	2.70E-12	-0.0006882	0.0224943	0.975592	0.8105953	7	0.99106084
ENSG00000116883	1	RP11-268J15.5	36789335	rs11578094	1	36712033	T	C	0.419483	-0.005346	0.0083267	0.520852	0.40016	0.0548542	2.99E-13	-0.0133597	0.0208889	0.5224579	0.1496704	5	0.87741473
ENSG00000233621	1	RP11-422J8.1	37920480	rs2492301	1	37939173	C	T	0.536779	0.00493201	0.00822314	0.548658	0.651155	0.0810645	9.55E-16	0.00757425	0.0126637	0.5497685	0.4337504	20	0.88412409
ENSG00000163879	1	DNALI1	38022520	rs6704190	1	38010751	T	C	0.581511	-0.0102489	0.00881511	0.244969	-0.302046	0.0480187	3.17E-10	0.0339316	0.029679	0.25292	0.4954836	6	0.73719186
ENSG00000204084	1	INPP5B	38326369	rs12760154	1	38284616	C	G	0.280318	0.00660722	0.00863572	0.44421	0.38514	0.0588073	5.78E-11	0.0171554	0.0225748	0.4472932	0.4860616	9	0.85269709
ENSG00000168653	1	NDUFS5	39491990	rs12043492	1	39457006	T	C	0.441352	0.00775152	0.00827549	0.348921	-0.253424	0.036072	2.13E-12	-0.0305872	0.0329437	0.3531647	0.8599413	10	0.8132045
ENSG00000182109	1	RP11-69E11.4	39987952	rs79473113	1	40020020	A	C	0.0407555	-0.0058682	0.0166843	0.725048	-0.9667	0.136728	1.55E-12	0.00607033	0.0172804	0.7253746	0.8669305	6	0.93502044
ENSG00000084072	1	PPIE	40157854	rs12094291	1	40226046	A	G	0.356859	-0.0004739	0.00836032	0.954798	0.565621	0.0815967	4.15E-12	-0.0008378	0.0147813	0.9547992	0.2776489	11	0.98751784
ENSG00000043514	1	TRIT1	40306723	rs137882240	1	40346661	A	G	0.101392	0.0213879	0.0134163	0.110898	-0.523057	0.0926935	1.67E-08	-0.0408902	0.0266537	0.1249985	0.7321661	6	0.65409865
ENSG00000187815	1	ZFP69	40942887	rs736861	1	40931003	G	A	0.388668	-0.0004701	0.00845474	0.955656	-0.627316	0.0910418	5.56E-12	0.00074943	0.0134781	0.9556577	0.962766	11	0.98751784
ENSG00000238287	1	RP11-656D10.3	40958829	rs6600339	1	40940020	G	A	0.32505	-0.0047949	0.00877215	0.584649	-0.836095	0.108021	9.93E-15	0.0057349	0.0105179	0.5855821	0.7100022	12	0.89271255
ENSG00000164008	1	C1orf50	43232940	rs61775634	1	43233484	A	G	0.253479	0.00382943	0.00845235	0.650504	-0.758364	0.0792766	1.11E-21	-0.0050496	0.011158	0.6508701	0.5526179	20	0.91384759
ENSG00000228452	1	RP5-994D16.9	43241484	rs68054072	1	43280038	C	T	0.705765	-0.0007906	0.00833522	0.924432	-0.561858	0.0989227	1.35E-08	0.00140715	0.0148372	0.9244421	0.5245914	6	0.98372284
ENSG00000177868	1	CCDC23	43272723	rs323719	1	43270928	A	G	0.296223	0.0005948	0.00833467	0.943108	0.550265	0.0668395	1.83E-16	0.00108094	0.0151472	0.9431097	0.2803145	16	0.98751784
ENSG00000227533	1	SLC2A1-AS1	43424720	rs841572	1	43436051	A	G	0.403579	-0.0095264	0.00813742	0.241725	0.804781	0.0998226	7.50E-16	-0.0118372	0.0102174	0.2466457	0.3998251	13	0.73450129
ENSG00000198520	1	C1orf228	45140364	rs6678831	1	45137703	A	G	0.390656	-0.0041966	0.00811353	0.604991	0.383997	0.0629154	1.04E-09	-0.0109288	0.0212049	0.6062815	0.7360647	7	0.89787819
ENSG00000232022	1	RP5-1109J22.1	46897801	rs2295632	1	46879562	G	T	0.743539	0.00136504	0.00862918	0.874308	-0.647791	0.0927235	2.82E-12	-0.0021072	0.0133243	0.8743399	0.2233033	14	0.97609174
ENSG00000187048	1	CYP4A11	47394849	rs3117715	1	47338888	A	C	0.222664	0.0154177	0.00957124	0.107216	0.599524	0.0892821	1.88E-11	0.0257166	0.0164177	0.1172559	0.9877103	20	0.64624497
ENSG00000272491	1	RP5-1024N4.4	48693560	rs492379	1	48673745	T	A	0.643141	0.00024509	0.00825464	0.976313	0.650958	0.0897411	4.05E-13	0.00037651	0.0126809	0.9763132	0.2632115	20	0.99106084
ENSG00000134744	1	ZCCHC11	52873954	rs11805462	1	53003821	T	C	0.0506958	-0.0073924	0.0173094	0.669328	0.557753	0.0809361	5.53E-12	-0.0132538	0.0310937	0.669923	0.881653	15	0.91884947
ENSG00000162377	1	SELRC1	53152508	rs835612	1	53151802	C	T	0.397614	0.00672405	0.00837749	0.422187	-0.250777	0.0338557	1.29E-13	-0.0268129	0.0336017	0.4248925	0.3945642	5	0.84537524
ENSG00000162383	1	SLC1A7	53552855	rs3737989	1	53600078	G	A	0.159046	0.0209027	0.0107785	0.052465	0.956402	0.106015	1.86E-19	0.0218556	0.0115273	0.05796229	0.928766	15	0.5596292
ENSG00000162384	1	C1orf123	53679771	rs67974630	1	53684924	G	A	0.311133	-0.0125	0.00826457	0.130413	-0.563737	0.0649014	3.75E-18	0.0221735	0.0148809	0.1362086	0.5905227	12	0.66222016
ENSG00000116221	1	MRPL37	54649714	rs11206305	1	54688211	T	C	0.127237	-0.0238522	0.0107603	0.026644	0.338832	0.0539448	3.36E-10	-0.0703954	0.0336767	0.03658813	0.7673019	3	0.48016086
ENSG00000162600	1	OMA1	58881056	rs7355165	1	58985703	T	G	0.292247	-0.004439	0.0102353	0.664514	0.328072	0.0583726	1.91E-08	-0.0135304	0.0312911	0.6654472	0.04660641	5	0.91884947
ENSG00000088035	1	ALG6	63833261	rs6697508	1	63893394	G	A	0.687873	-0.0159401	0.00857618	0.0630769	0.422891	0.0759466	2.57E-08	-0.0376932	0.0213798	0.07789624	0.1572918	3	0.59899522
ENSG00000142856	1	ITGB3BP	63906441	rs217490	1	64059644	G	C	0.684891	-0.0162674	0.00856349	0.0574818	-1.09599	0.0798182	6.61E-43	0.0148427	0.00788789	0.05987664	0.5415246	14	0.56175527
ENSG00000177414	1	UBE2U	64669310	rs825183	1	64698032	A	T	0.654076	0.00535476	0.00884814	0.545056	-1.05468	0.0996817	3.67E-26	-0.0050771	0.00840312	0.5457125	0.5702115	20	0.8813815
ENSG00000162434	1	JAK1	65298912	rs2230588	1	65310489	C	T	0.252485	0.00502233	0.00908081	0.580215	-0.399937	0.0576013	3.83E-12	-0.0125578	0.0227775	0.5814114	0.2413369	9	0.89127357
ENSG00000213625	1	LEPROT	65886270	rs9436287	1	65863302	A	G	0.533797	0.010061	0.00812346	0.215527	-0.272973	0.0297847	4.96E-20	-0.0368571	0.0300297	0.219689	0.05149223	17	0.71801399
ENSG00000152760	1	TCTEX1D1	67218142	rs6697073	1	67227698	G	A	0.152087	0.0285898	0.0117915	0.0153246	-0.506399	0.0878633	8.24E-09	-0.0564571	0.0252615	0.02542383	0.151002	10	0.42271621
ENSG00000197568	1	HHLA3	70820488	rs7536099	1	70821757	G	A	0.261431	0.0037354	0.0107382	0.727944	-0.420927	0.0604361	3.29E-12	-0.0088742	0.0255426	0.7282699	0.8988347	9	0.93606022
ENSG00000050628	1	PTGER3	71318036	rs4129005	1	71035970	T	G	0.418489	0.0109785	0.00810105	0.175357	0.651302	0.0737934	1.08E-18	0.0168562	0.012584	0.1804091	0.9121666	20	0.68323261
ENSG00000269933	1	RP3-333A15.2	71471537	rs4129005	1	71035970	T	G	0.418489	0.0109785	0.00810105	0.175357	0.610674	0.0825411	1.38E-13	0.0179777	0.0134865	0.1825265	0.8927255	20	0.6842715
ENSG00000162620	1	LRRIQ3	74491699	rs522042	1	74666274	T	C	0.464215	0.00128779	0.00806395	0.87312	-0.779895	0.0935708	7.76E-17	-0.0016512	0.0103417	0.8731427	0.9351779	12	0.97609174
ENSG00000116783	1	TNNI3K	74663947	rs34018059	1	74641756	G	C	0.407555	0.00105024	0.0085646	0.902403	0.447982	0.071512	3.74E-10	0.00234438	0.0191218	0.9024221	0.8891406	5	0.98018796
ENSG00000272864	1	RP11-17E13.2	75164453	rs12122137	1	75169610	C	T	0.505964	0.00902242	0.00827881	0.275792	-0.801611	0.0835753	8.68E-22	-0.0112554	0.0103942	0.2788736	0.1827715	20	0.76030335
ENSG00000116791	1	CRYZ	75171170	rs17617240	1	75173938	T	C	0.0417495	0.0514158	0.0279986	0.066304	-1.46716	0.214115	7.27E-12	-0.0350444	0.019757	0.07610019	0.7921258	6	0.59145965
ENSG00000162623	1	TYW3	75198836	rs4145871	1	75218704	T	C	0.685885	-0.0032886	0.00855513	0.700679	-0.471947	0.0653653	5.19E-13	0.00696824	0.018153	0.7010808	0.3223575	12	0.92859872
ENSG00000057468	1	MSH4	76262567	rs1689275	1	76409655	C	T	0.745527	-0.0026871	0.0100269	0.788711	-0.59906	0.0923856	8.91E-11	0.00448544	0.016752	0.7888875	0.9597416	20	0.95332026
ENSG00000154027	1	AK5	77747736	rs4949657	1	77991508	T	C	0.707753	0.012669	0.00879163	0.149575	-0.257601	0.0333167	1.06E-14	-0.0491807	0.0347166	0.1565894	0.4144867	18	0.67252247
ENSG00000153898	1	MCOLN2	85391268	rs7519134	1	85463208	C	A	0.466203	-0.0018683	0.00823929	0.820618	-0.688777	0.0828533	9.31E-17	0.00271243	0.0119667	0.8206836	0.4963994	20	0.96361351
ENSG00000117174	1	ZNHIT6	86115106	rs1094357	1	86111300	T	C	0.451292	0.018868	0.00809524	0.0197665	-0.343752	0.0584348	4.04E-09	-0.0548884	0.0253307	0.03024466	0.6862627	5	0.43883497
ENSG00000122417	1	ODF2L	86814344	rs11810689	1	86839302	C	T	0.318091	0.00332195	0.0085817	0.698684	-0.281896	0.0406282	3.96E-12	-0.0117843	0.0304901	0.6991294	0.5533679	8	0.92801105
ENSG00000183291	1	15-Sep	87328132	rs1199726	1	87417374	A	G	0.207753	-0.0089033	0.00980835	0.364025	0.362176	0.0468192	1.03E-14	-0.0245827	0.0272675	0.3673034	0.5496041	20	0.81680835
ENSG00000137944	1	CCBL2	89401456	rs4656071	1	89440977	A	G	0.477137	-0.0093642	0.00810133	0.24773	-0.723345	0.062027	2.00E-31	0.0129457	0.0112547	0.2500428	0.5902429	20	0.73465091
ENSG00000117226	1	GBP3	89472349	rs12121223	1	89481583	T	C	0.32008	0.0176619	0.00946381	0.0620055	-0.804412	0.070896	7.73E-30	-0.0219563	0.011923	0.06554641	0.505026	19	0.57158494
ENSG00000213512	1	GBP7	89597434	rs4233337	1	89636947	T	C	0.467197	-0.0139151	0.00812294	0.0867002	0.578874	0.10196	1.37E-08	-0.0240382	0.0146572	0.1009983	0.5040005	6	0.63021019
ENSG00000231613	1	RP5-943J3.1	90254473	rs10922705	1	90191440	T	C	0.548708	0.00440157	0.00831968	0.596767	0.550856	0.0970588	1.38E-08	0.00799042	0.0151687	0.5983523	0.6103459	5	0.89572075
ENSG00000097046	1	CDC7	91966408	rs61798831	1	91996588	T	C	0.493042	-0.0002244	0.00804531	0.97775	-0.415395	0.057194	3.79E-13	0.00054017	0.019368	0.9777499	0.06778582	18	0.99106084
ENSG00000273487	1	RP4-621B10.8	92654794	rs143172419	1	93523515	A	G	0.0238569	-0.0471321	0.0420459	0.262302	0.984935	0.174835	1.77E-08	-0.047853	0.0435259	0.2715875	0.2053727	16	0.75500572
ENSG00000117500	1	TMED5	93615299	rs1535699	1	93804952	A	G	0.654076	0.00985354	0.00854936	0.249096	0.252593	0.0348077	3.96E-13	0.0390096	0.0342706	0.2550035	0.305186	14	0.73863624
ENSG00000223745	1	RP4-717I23.3	93727743	rs11164891	1	93759634	T	C	0.188867	0.00126505	0.0109663	0.908161	-0.87846	0.0673548	7.03E-39	-0.0014401	0.012484	0.908165	0.09199124	20	0.98043565
ENSG00000230439	1	RP11-488P3.1	94218480	rs2235971	1	94344716	T	C	0.32505	0.00325226	0.00880665	0.711908	0.836418	0.100363	7.82E-17	0.00388832	0.0105393	0.712177	0.5019407	20	0.93305022
ENSG00000122481	1	RWDD3	95699711	rs4949946	1	95716754	G	A	0.723658	0.008818	0.00943648	0.350068	-0.450337	0.0617928	3.15E-13	-0.0195809	0.0211258	0.3539938	0.09971624	20	0.8138208
ENSG00000228971	1	RP11-286B14.1	95975672	rs2027239	1	95992206	G	A	0.849901	0.00051377	0.0106177	0.961407	0.3948	0.0465811	2.34E-17	0.00130133	0.0268943	0.9614078	0.22551	10	0.98751784
ENSG00000225206	1	MIR137HG	98453556	rs111348842	1	98436574	A	G	0.0705765	-0.011435	0.0156019	0.463604	0.537331	0.0910518	3.60E-09	-0.0212811	0.029259	0.4670204	0.6075753	5	0.85681817
ENSG00000233184	1	RP11-421L21.3	101491434	rs658861	1	101584241	A	G	0.751491	0.0146941	0.0116895	0.208744	-0.513687	0.0778325	4.11E-11	-0.0286052	0.0231651	0.2168915	0.2995499	11	0.71369859
ENSG00000240038	1	AMY2B	104096437	rs10754	1	104097685	T	C	0.298211	0.0179949	0.00919083	0.05024	-0.294362	0.0503934	5.18E-09	-0.0611319	0.0329301	0.06339507	0.3375405	6	0.57130238
ENSG00000198890	1	PRMT6	107599267	rs1730864	1	107607810	T	C	0.677932	0.0077036	0.0088392	0.383467	0.418005	0.0649314	1.21E-10	0.0184294	0.0213391	0.3877811	0.158677	7	0.82273105
ENSG00000085491	1	SLC25A24	108676658	rs663481	1	108743178	G	C	0.246521	0.00950349	0.00943391	0.313755	-0.59443	0.068338	3.37E-18	-0.0159876	0.0159766	0.3169781	0.5549121	10	0.78475979
ENSG00000168765	1	GSTM4	110198703	rs560018	1	110200360	C	T	0.328032	-0.0066545	0.00882712	0.450925	-0.589419	0.0688409	1.11E-17	0.01129	0.0150339	0.4526713	0.7884008	6	0.85658884
ENSG00000213366	1	GSTM2	110210644	rs11101989	1	110253741	C	A	0.336978	0.00543156	0.00829599	0.512647	-0.255633	0.0449139	1.26E-08	-0.0212475	0.0326667	0.5154133	0.4019401	13	0.87574629
ENSG00000134201	1	GSTM5	110254864	rs1360513	1	110275861	C	T	0.446322	-0.0020634	0.00808422	0.798537	-0.844923	0.0844153	1.39E-23	0.00244215	0.00957111	0.7986005	0.13908	20	0.95632975
ENSG00000134202	1	GSTM3	110276554	rs1332018	1	110282972	T	G	0.550696	-0.0011931	0.00810532	0.882978	0.780576	0.0777664	1.04E-23	-0.0015284	0.0103849	0.8829908	0.2622591	13	0.97615419
ENSG00000143119	1	CD53	111415775	rs931547	1	111417446	G	T	0.27336	-0.0058682	0.00934098	0.529857	0.481196	0.0658024	2.62E-13	-0.0121951	0.0194835	0.5313689	0.8198714	16	0.8813815
ENSG00000156171	1	DRAM2	111659955	rs3762374	1	111682118	T	C	0.281312	0.00466982	0.00864011	0.588864	0.54789	0.0570793	8.09E-22	0.00852328	0.0157948	0.5894545	0.2686131	18	0.89467466
ENSG00000085465	1	OVGP1	111956936	rs12740822	1	112015292	C	T	0.599404	-0.0047025	0.00810259	0.561663	0.248691	0.0383629	9.02E-11	-0.0189091	0.0327113	0.5632233	0.04500713	12	0.8907716
ENSG00000260948	1	RP11-552M11.8	111973668	rs1264902	1	111985229	T	G	0.398608	0.00430901	0.00809543	0.594534	-0.539468	0.0813657	3.35E-11	-0.0079875	0.0150546	0.5957169	0.01713044	11	0.89572075
ENSG00000231437	1	RP11-88H9.2	112532392	rs2366125	1	112539061	G	A	0.121272	-0.0001764	0.0097842	0.985617	1.21232	0.105017	7.91E-31	-0.0001455	0.00807065	0.9856174	0.6217457	14	0.99365271
ENSG00000134245	1	WNT2B	113009163	rs3737136	1	113060432	G	A	0.215706	0.00560902	0.00918069	0.541228	0.850063	0.093713	1.18E-19	0.00659836	0.0108245	0.5421418	0.08729972	12	0.8813815

ENSG00000007341	1	ST7L	113066140	rs12728001	1	113076756	C	T	0.482107	-0.0050478	0.00812497	0.534425	0.504675	0.0803852	3.43E-10	-0.010002	0.016178	0.5364128	0.5720756	5	0.8813815
ENSG00000226419	1	RP11-31F15.1	113499037	rs55982206	1	113531458	G	C	0.242545	-0.0040766	0.00887486	0.64599	-0.472949	0.077213	9.05E-10	0.00861949	0.0188176	0.6469136	0.5171927	5	0.91304894
ENSG00000177551	1	NHLH2	116378998	rs1498113	1	116444094	C	T	0.693837	0.0163755	0.00844685	0.0525436	0.502484	0.0807437	4.87E-10	0.0325891	0.017607	0.0641811	0.3924437	20	0.57130238
ENSG00000116830	1	TTF2	117602925	rs2274253	1	117603156	T	G	0.0526839	-0.0075429	0.015564	0.627934	1.34032	0.147631	1.10E-19	-0.0056277	0.0116287	0.6284233	0.935433	3	0.90357159
ENSG00000116874	1	WARS2	119573839	rs2645303	1	119555146	T	G	0.450298	-0.0058514	0.00805711	0.46769	-0.925341	0.0816752	9.37E-30	0.00632352	0.00872505	0.4686028	0.2401041	20	0.85681817
ENSG00000231365	1	RP11-418J17.1	119683019	rs10923750	1	119650795	G	T	0.276342	-0.0112011	0.00933809	0.23033	-0.839627	0.0867928	3.89E-22	0.0133406	0.0112069	0.2338929	0.2854468	20	0.7327307
ENSG00000229570	1	GAPDHP58	120038459	rs4659007	1	120046486	A	T	0.638171	0.010635	0.00912993	0.244078	-0.528076	0.0935751	1.67E-08	-0.0201391	0.0176535	0.2539526	0.9698766	10	0.73768396
ENSG00000143067	1	ZNF697	120162045	rs11586489	1	120138246	G	A	0.0934394	0.0115012	0.0140675	0.413602	-0.429142	0.0786477	4.86E-08	-0.0268005	0.0331464	0.4187759	0.4479378	4	0.83980935
ENSG00000223804	1	RP6-206I17.1	143647638	rs80161676	1	144555190	G	A	0.230616	-0.0044652	0.00954139	0.639797	-0.600159	0.0916703	5.87E-11	0.00744005	0.0159387	0.6406486	0.2666249	10	0.91019594
ENSG00000227733	1	RP4-565E6.1	146093234	rs74124103	1	147734892	T	C	0.153082	-0.0132889	0.0103852	0.200685	-0.901004	0.111225	5.46E-16	0.014749	0.0116692	0.2062557	0.4920661	13	0.70391756
ENSG00000162836	1	ACP6	147101453	rs12145385	1	147129786	G	A	0.717694	-0.0040829	0.00915864	0.65574	0.790753	0.0684795	7.62E-31	-0.0051634	0.0115908	0.65598	0.4763699	15	0.91470231
ENSG00000143374	1	TARS2	150459887	rs2318761	1	150257714	G	A	0.526839	-0.0033193	0.00814761	0.683721	0.341954	0.0563558	1.30E-09	-0.0097067	0.0238803	0.6843932	0.172993	5	0.92403695
ENSG00000143412	1	ANXA9	150954493	rs6684154	1	150981225	A	C	0.0139165	-0.0132194	0.0482679	0.78418	0.938084	0.16937	3.05E-08	-0.0140919	0.0515166	0.7844371	0.5534242	6	0.95332026
ENSG00000143376	1	SNX27	151584541	rs6702842	1	151608096	G	A	0.33002	0.0205319	0.00857738	0.0166782	0.432423	0.0561962	1.42E-14	0.0474811	0.0207732	0.02227265	0.017714	6	0.40355258
ENSG00000237975	1	FLG-AS1	152140601	rs7545406	1	152193286	T	G	0.585487	-0.0033149	0.00836087	0.691755	-0.96585	0.0982398	8.23E-23	0.00343209	0.00866353	0.6919918	0.402555	14	0.92403695
ENSG00000197915	1	HRNR	152184558	rs1858483	1	152310086	C	T	0.828032	-0.0039752	0.00919716	0.665581	-0.998214	0.141996	2.07E-12	0.00398231	0.00923101	0.6661734	0.2715297	6	0.91884947
ENSG00000143631	1	FLG	152274651	rs61815526	1	152238688	A	G	0.133201	-0.0067935	0.0119593	0.570003	-0.810944	0.122087	3.09E-11	0.00837721	0.0148012	0.5714063	0.5166472	8	0.89127357
ENSG00000189171	1	S100A13	153591263	rs28754733	1	153598094	C	T	0.446322	0.0133186	0.0081962	0.104168	0.315213	0.0331064	1.71E-21	0.0422527	0.0263781	0.1091973	0.8314297	19	0.63551762
ENSG00000272030	1	RP1-178F15.4	153603914	rs28510471	1	153609886	G	C	0.524851	0.0106166	0.00805305	0.187394	-0.568034	0.0848975	2.22E-11	-0.0186901	0.0144496	0.1958507	0.3448032	7	0.6984939
ENSG00000163354	1	DCST2	154990996	rs10908452	1	155001929	C	T	0.361829	0.00936987	0.00816775	0.251308	-0.564118	0.0757158	9.30E-14	-0.0166098	0.0146494	0.2568712	0.01791069	12	0.74022824
ENSG00000169231	1	THBS3	155165379	rs760077	1	155178782	A	T	0.394632	0.00997331	0.00833011	0.231205	-0.385893	0.0571629	1.47E-11	-0.0258448	0.0219234	0.2384523	0.6627112	8	0.73450129
ENSG00000163382	1	APOA1BP	156561554	rs12023410	1	156572658	C	T	0.243539	0.0213207	0.00963311	0.0268788	-0.616296	0.0730114	3.14E-17	-0.0345949	0.016159	0.0322819	0.3755059	17	0.45725743
ENSG00000160818	1	GPATCH4	156564279	rs112399057	1	156578363	T	C	0.0407555	-0.0290771	0.0279203	0.297675	-0.64924	0.0951293	8.80E-12	0.0447864	0.0435024	0.3032377	0.8773759	7	0.77657782
ENSG00000158714	1	SLAMF8	159796540	rs61050034	1	159808661	A	C	0.176938	0.0262105	0.0117291	0.0254396	-0.535284	0.0765611	2.72E-12	-0.0489656	0.0230039	0.03328948	0.5158893	7	0.46397213
ENSG00000188004	1	C1orf204	159804264	rs61050034	1	159808661	A	C	0.176938	0.0262105	0.0117291	0.0254396	0.690957	0.086898	1.84E-15	0.0379336	0.0176328	0.03145169	0.2377193	8	0.45362413
ENSG00000243284	1	VSIG8	159824106	rs34413912	1	159826648	T	C	0.418489	0.0114536	0.00831105	0.168166	0.58377	0.10453	2.34E-08	0.0196201	0.0146639	0.1809024	0.8192679	5	0.68374975
ENSG00000272668	1	RP11-190A12.8	159836744	rs11587021	1	159825916	T	C	0.415507	0.0129865	0.00832167	0.118626	0.864281	0.0627031	3.19E-43	0.0150258	0.00968994	0.1209838	0.3550126	11	0.65227447
ENSG00000143318	1	CASQ1	160160285	rs617599	1	160162959	A	G	0.375746	0.00322286	0.00817206	0.693304	-0.651961	0.050354	2.43E-38	-0.0049433	0.0125404	0.6934388	0.4482176	20	0.92469139
ENSG00000122218	1	COPA	160259063	rs1886421	1	160309450	C	G	0.511928	0.00032609	0.00806752	0.967758	0.196767	0.0320431	8.22E-10	0.00165725	0.0410013	0.9677586	0.5821369	20	0.98941756
ENSG00000215845	1	TSTD1	161007421	rs10908821	1	161008535	G	C	0.130219	-0.0026172	0.0115838	0.821251	0.484316	0.0695325	3.28E-12	-0.0054039	0.0239304	0.8213434	0.6711652	5	0.96369984
ENSG00000143224	1	PPOX	161136200	rs36013429	1	161139738	A	G	0.0626243	-0.0092609	0.0177368	0.601581	-0.653207	0.115443	1.53E-08	0.0141775	0.0272688	0.6031207	0.248755	3	0.89572075
ENSG00000143252	1	SDHC	161284047	rs58055613	1	161331505	C	T	0.0497018	0.0295705	0.0139689	0.0342705	-0.466172	0.0713899	6.58E-11	-0.0634326	0.0315004	0.04403993	0.8955139	7	0.50865242
ENSG00000185860	1	C1orf110	162794248	rs12024415	1	162832406	T	C	0.190855	0.034287	0.0107688	0.00145305	0.627293	0.0898631	2.94E-12	0.0546587	0.0188685	0.00376966	0.226728	12	0.27320575
ENSG00000225171	1	DUTP6	166837985	rs7554414	1	166803004	G	A	0.428429	0.00365039	0.00820905	0.656552	0.525889	0.0911102	7.83E-09	0.00694137	0.0156561	0.6575018	0.4635218	6	0.91507332
ENSG00000143194	1	MAEL	166958346	rs7551881	1	166955312	T	G	0.32505	-0.0066086	0.00853796	0.438916	-0.802428	0.0686182	1.37E-31	0.00823574	0.0106634	0.4399163	0.3592589	20	0.8522258
ENSG00000143199	1	ADCY10	167778625	rs7542791	1	167872882	C	G	0.10338	0.0114299	0.0133577	0.392178	0.802547	0.133314	1.74E-09	0.014242	0.0168114	0.3969039	0.9797886	11	0.82273105
ENSG00000143158	1	MPC2	167885967	rs202272	1	167922853	T	C	0.122266	0.0111219	0.0110634	0.31476	-0.250883	0.0441156	1.29E-08	-0.044331	0.0447815	0.3222035	0.7056826	6	0.78475979
ENSG00000143153	1	ATP1B1	169074935	rs2143290	1	169088679	T	C	0.126243	0.0191833	0.0130872	0.142701	0.278405	0.0469355	3.00E-09	0.0689043	0.0484218	0.1547358	0.8411133	4	0.66852323
ENSG00000117477	1	CCDC181	169364108	rs12023025	1	169415932	C	A	0.125249	0.0102405	0.0113891	0.368574	-0.575316	0.0789203	3.10E-13	-0.0177998	0.0199463	0.3721857	0.5402378	9	0.81739875
ENSG00000198734	1	F5	169483404	rs10489185	1	169548892	A	C	0.398608	-0.0161302	0.00823393	0.0501141	0.518802	0.0873244	2.83E-09	-0.0310912	0.0167116	0.0628204	0.8652353	4	0.57089762
ENSG00000171806	1	METTL18	169761670	rs9645329	1	169804720	A	T	0.0964215	-0.0211875	0.0159972	0.185354	-0.937837	0.134353	2.94E-12	0.0225919	0.0173619	0.1931781	0.8362839	7	0.69257289
ENSG00000271811	1	RP1-79C4.4	170636522	rs575432	1	170619607	G	A	0.575547	0.00384576	0.00807457	0.633874	0.601085	0.0924507	7.94E-11	0.00639803	0.0134693	0.6347815	0.2681147	11	0.90875633
ENSG00000094963	1	FMO2	171154347	rs10798252	1	171156431	G	A	0.387674	0.00682553	0.00825734	0.408463	-0.4146	0.0747768	2.95E-08	-0.0164629	0.0201365	0.4136052	0.3581643	7	0.83633744
ENSG00000162753	1	SLC9C2	173469603	rs61826818	1	173712822	T	G	0.106362	0.0125681	0.0140802	0.372066	0.952932	0.151931	3.56E-10	0.0131889	0.0149245	0.376856	0.1601537	8	0.81958405
ENSG00000120332	1	TNN	175036994	rs6425316	1	175045902	C	G	0.28827	-0.0031124	0.00895964	0.72831	0.734139	0.0875857	5.21E-17	-0.0042395	0.0122148	0.7285338	0.7660217	8	0.93606022
ENSG00000152092	1	ASTN1	176826438	rs61813267	1	176877947	T	C	0.110338	0.00928327	0.0148961	0.533152	-0.305015	0.0519757	4.40E-09	-0.0304355	0.0491119	0.5354443	0.6608463	6	0.8813815
ENSG00000242193	1	RP11-568K15.1	177975271	rs34322793	1	177982948	C	T	0.28827	-0.0014215	0.00888977	0.872962	-0.398633	0.0718456	2.88E-08	0.00356581	0.0223099	0.8730143	0.6766124	4	0.97609174
ENSG00000116199	1	FAM20B	178994939	rs140062423	1	179010155	G	A	0.643141	-0.0228059	0.00941631	0.0154369	0.232808	0.0353529	4.54E-11	-0.0979601	0.0430955	0.02302041	0.09035603	20	0.40523733
ENSG00000143322	1	ABL2	179068462	rs2636282	1	179184620	A	G	0.385686	0.000755	0.00848444	0.929093	0.494342	0.0578837	1.34E-17	0.00152728	0.017164	0.9290968	0.1971074	20	0.98516885
ENSG00000227141	1	RP11-545A16.3	179555840	rs744446	1	179558051	G	A	0.306163	-0.0044428	0.00958062	0.642843	0.457862	0.0801497	1.11E-08	-0.0097033	0.0209935	0.6439333	0.06774401	10	0.91239621
ENSG00000162782	1	TDRD5	179560748	rs1999068	1	179560718	C	T	0.306163	-0.0034053	0.00960829	0.723033	0.711295	0.0700581	3.22E-24	-0.0047874	0.0135164	0.7231944	0.00405228	20	0.93391705
ENSG00000143340	1	FAM163A	179712298	rs17279065	1	179733193	G	A	0.336978	0.00704497	0.00827713	0.394693	0.272388	0.0476901	1.12E-08	0.0258637	0.0307228	0.399877	0.09018591	9	0.82274196
ENSG00000135828	1	RNASEL	182542769	rs12041623	1	182561633	C	T	0.370775	0.00294684	0.0083106	0.722898	0.624836	0.0664961	5.64E-21	0.00471618	0.0133099	0.7230872	0.9565224	6	0.93391705
ENSG00000058085	1	LAMC2	183155373	rs2276543	1	183155305	A	G	0.293241	0.0117543	0.00840645	0.162039	0.754664	0.10177	1.21E-13	0.0155755	0.0113356	0.169431	0.04937092	20	0.68081994
ENSG00000273198	1	GS1-304P7.3	186490905	rs6689065	1	186592058	G	C	0.237575	0.00315112	0.00967775	0.744723	-0.556223	0.0905099	7.97E-10	-0.0056652	0.0174235	0.7450686	0.5907928	13	0.93648451
ENSG00000118197	1	DDX59	200593024	rs10919993	1	200627312	A	C	0.420477	0.0220372	0.00805819	0.00624266	-0.477254	0.057472	1.01E-16	-0.046175	0.0177765	0.00938982	0.2509513	12	0.30933045
ENSG00000260088	1	RP11-92G12.3	200638635	rs4072552	1	200649131	G	A	0.477137	-0.0193514	0.00806588	0.0164327	-0.828874	0.0696882	1.27E-32	0.0233466	0.00992712	0.0186828	0.2266181	20	0.38412367
ENSG00000116852	1	KIF21B	200938520	rs3738255	1	200941716	A	G	0.347913	-0.0073191	0.00863635	0.396732	-0.214465	0.0391918	4.44E-08	0.0341271	0.0407493	0.4023185	0.7956474	10	0.8240298
ENSG00000198892	1	SHISA4	201857808	rs6427922	1	201855412	A	G	0.209742	-0.0149894	0.00935997	0.109281	-0.4032	0.0666213	1.43E-09	0.0371761	0.0240132	0.121585	0.8565296	4	0.65227447
ENSG00000077152	1	UBE2T	202300785	rs12741420	1	202404058	G	A	0.0725646	0.00189078	0.0200744	0.924959	-0.364905	0.0649294	1.91E-08	-0.0051816	0.0550204	0.9249698	0.3935432	3	0.98372284
ENSG00000214796	1	RP11-480I12.5	202820956	rs2885649	1	202836068	A	G	0.5666	-0.005505	0.00807304	0.4953	0.64217	0.0770689	7.92E-17	-0.0085726	0.0126135	0.4967374	0.5182233	5	0.86791667
ENSG00000117153	1	KLHL12	202860228	rs114170147	1	202896142	C	G	0.054672	-0.0181738	0.0153841	0.237467	-0.453248	0.0781133	6.54E-09	0.0400968	0.0346382	0.2470318	0.3226067	9	0.73450129
ENSG00000133063	1	CHIT1	203181955	rs2244385	1	203191262	G	C	0.168986	-0.0040022	0.0123423	0.745739	-0.714885	0.112138	1.83E-10	0.00559831	0.0172871	0.746056	0.7955227	3	0.93648451
ENSG00000182004	1	SNRPE	203830731	rs35713483	1	203846820	A	G	0.109344	0.0163566	0.0106048	0.122982	0.444954	0.0681411	6.58E-11	0.0367602	0.0244893	0.133337	0.8665505	5	0.66222016
ENSG00000162877	1	PM20D1	205797150	rs9438393	1	205782718	G	A	0.394632	0.0119225	0.00809409	0.140753	-0.76796	0.106641	5.96E-13	-0.0155249	0.0107579	0.1489896	0.3713484	13	0.66222016
ENSG00000117335	1	CD46	207925402	rs4844619	1	207960708	T	C	0.203777	0.00645693	0.00973027	0.506951	-0.456817	0.0604798	4.25E-14	-0.0141346	0.0213822	0.5085829	0.4533433	12	0.87138801
ENSG00000117597	1	DIEXF	210001352	rs1962735	1	210012102	G	A	0.744533	-0.0037662	0.00934155	0.686826	0.396466	0.0647564	9.22E-10	-0.0094994	0.0236131	0.6874676	0.2468335	8	0.92403695
ENSG00000054392	1	HHAT	210501596	rs910033	1	210578831	G	A	0.763419	0.00422103	0.0100441	0.674304	-0.474515	0.0771554	7.74E-10	-0.0088955	0.0212164	0.6750174	0.08784125	17	0.92063445
ENSG00000153363	1	LINC00467	211556145	rs41303051	1	211556131	G	C	0.0387674	0.00631908	0.0182273	0.72883	-0.646364	0.117658	3.94E-08	-0.0097764	0.0282558	0.7293473	0.3068755	6	0.93606022
ENSG00000123685	1	BATF3	212859760	rs3754482	1	212873557	C	G	0.124254	-0.0059179	0.0137322	0.666506	0.632297	0.104168	1.28E-09	-0.0093593	0.0217726	0.6672928	0.2934686	7	0.91884947
ENSG00000198468	1	FLVCR1-AS1	213025450	rs7524203	1	213011812	C	G	0.550696	0.00478168	0.00825481	0.562414	1.19208	0.0842675	1.97E-45	0.00401121	0.00693051	0.5627411	0.4086065	20	0.89049479
ENSG00000162769	1	FLVCR1	213031597	rs12036853	1	213078181	T	A	0.249503	0.00227949	0.010291	0.824701	0.485592	0.0838758	7.06E-09	0.00469425	0.0212082	0.8248267	0.8673011	5	0.96394856
ENSG00000067533	1	RRP15	218458629	rs56238934	1	218496066	C	T	0.403579	0.0143169	0.00806445	0.0758473	0.640078	0.0739418	4.86E-18	0.0223674	0.0128614	0.08201474	0.1639624	8	0.60808371
ENSG00000228063	1	RP11-135J2.4	219259944	rs75060212	1	219345611	G	T	0.119284	0.011985	0.0131276	0.361263	-0.677761	0.116325	5.66E-09	-0.0176832	0.0196054	0.36708	0.2446605	9	0.81680835
ENSG00000117791	1	2-Mar	220921567	rs12562235	1	220945740	A	T	0.22167	0.00385119	0.00935245	0.680498	-0.339395	0.0597894	1.37E-08	-0.0113472	0.0276287	0.681289	0.5601891	5	0.92288062
ENSG00000272823	1	RP11-295M18.6	221002018	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.681738	0.0925795	1.79E-13	-0.0081128	0.0125666	0.5185466	0.2545559	15	0.87684118
ENSG00000238078	1	RP11-295M18.2	221002597	rs1389750	1	221040171	G	T	0.40159	-0.0055308	0.00853414	0.516932	0.686711	0.0982859	2.81E-12	-0.0080541	0.0124809	0.5187246	0.5835726	8	0.87684118
ENSG00000225265	1	RP11-378J18.3	222763167	rs2936027	1	222762316	T	C	0.141153	-0.0150204	0.0106397	0.158031	-0.815002	0.117944	4.84E-12	0.0184299	0.0133245	0.1666155	0.4618551	4	0.67999547
ENSG00000272750	1	RP11-378J18.8	222832209	rs36079339	1	222841614	A	G	0.737575	0.00622464	0.00925388	0.501169	-0.824794	0.0867433	1.94E-21	-0.0075469	0.0112477	0.5022364	0.2795582	20	0.87028292
ENSG00000143502	1	SUSD4	223394161	rs2176507	1	223594234	A	G	0.691849	-0.0009554	0.00889491	0.914465	0.247837	0.0408181	1.27E-09	-0.0038549	0.0358958	0.9144781	0.9356201	16	0.98076095
ENSG00000203697	1	CAPN8	223711349	rs34537618	1	223811170	T	C	0.446322	-0.0064239	0.00825792	0.436624	-0.570546	0.101966	2.20E-08	0.0112592	0.0146129	0.4410057	0.4640685	3	0.8522258
ENSG00000162909	1	CAPN2	223889295	rs144373795	1	224099077	T	C	0.0129225	0.0345063	0.0311869	0.268539	-0.762894	0.128511	2.91E-09	-0.0452308	0.0415837	0.2767255	0.157	3	0.75850049
ENSG00000272645	1	RP11-504P24.8	224139096	rs10799372	1	224146406	T	C	0.586481	0.0112441	0.00816275	0.168361	0.388573	0.0523532	1.15E-13	0.0289369	0.0213657	0.175621	0.03765213	10	0.68257826
ENSG00000163041	1	H3F3A	226249552	rs6692329	1	226278185	A	G	0.718688	-0.0073238	0.00897563	0.414519	-0.643853	0.060105	8.93E-27	0.011375	0.0139809	0.4158682	0.1964508	20	0.83897141
ENSG00000143801	1	PSEN2	227057885	rs2855562	1	227081850	A	G	0.622266	0.0152672	0.00818351	0.0620969	0.227296	0.0410954	3.19E-08	0.0671688	0.0379967	0.07710243	0.09465664	4	0.59605319
ENSG00000143740	1	SNAP47	227916240	rs10916205	1	227957591	T	C	0.393638	-0.0193098	0.00822995	0.0189618	-0.262815	0.0339193	9.32E-15	0.073473	0.0327189	0.02473059	0.5807889	15	0.42271621
ENSG00000162913	1	C1orf145	228391207	rs116143255	1	228029126	T	C	0.0178926	0.0273632	0.0451274	0.54428	1.59854	0.238029	1.87E-11	0.0171176	0.0283452	0.5459115	0.8521207	12	0.8813815
ENSG00000154358	1	OBSCN	228395831	rs116143255	1	228029126	T	C	0.0178926	0.0273632	0.0451274	0.54428	1.84864	0.259878	1.13E-12	0.0148018	0.0244997	0.5457349	0.7746415	10	0.8813815
ENSG00000135744	1	AGT	230838269	rs3789649	1	230816460	T	C	0.210736	-0.0033623	0.00912646	0.712564	-0.267138	0.0410265	7.45E-11	0.0125865	0.0342185	0.7130028	0.1398569	14	0.93305022
ENSG00000135773	1	CAPN9	230883130	rs7523730	1	230897893	G	A	0.343936	-0.0036025	0.00869235	0.678547	0.641704	0.0765685	5.26E-17	-0.005614	0.0135623	0.6789179	0.9379387	20	0.92288062
ENSG00000173409	1	ARV1	231114727	rs10779810	1	231154618	A	T	0.104374	0.00119784	0.019236	0.950347	-0.622889	0.0930511	2.17E-11	-0.001923	0.0308832	0.9503494	0.4597255	8	0.98751784
ENSG00000182118	1	FAM89A	231154704	rs4310430	1	231172881	G	T	0.316103	-0.0017052	0.00892144	0.848421	0.448177	0.0578679	9.57E-15	-0.0038047	0.0199121	0.8484662	0.05173421	11	0.97367605
ENSG00000135778	1	NTPCR	233086351	rs12725558	1	233091463	A	T	0.16004	0.00406713	0.0107642	0.705552	1.07369	0.0973135	2.64E-28	0.00378799	0.0100313	0.705715	0.4011409	10	0.92891875
ENSG00000143674	1	MLK4	233463514	rs1582192	1	233525193	G	A	0.171968	-0.0050939	0.0117578	0.664844	0.555679	0.0778586	9.54E-13	-0.009167	0.0211983	0.6654218	0.4163181	4	0.91884947
ENSG00000231663	1	RP5-827C21.4	234508553	rs11549817	1	234508956	C	A	0.0934394	0.00186299	0.0174304	0.914883	0.825383	0.145372	1.36E-08	0.00225712	0.0211217	0.9148979	0.9323256	4	0.98076095
ENSG00000168275	1	COA6	234509202	rs10910420	1	234509259	C	G	0.49503	8.97E-05	0.00812127	0.991186	0.497239	0.0609184	3.28E-16	0.00018043	0.0163327	0.9911857	0.6736185	20	0.99659759
ENSG00000224939	1	LINC00184	234765057	rs6696170	1	234772346	T	C	0.205765	-0.0173101	0.0105865	0.102027	0.91051	0.0977352	1.21E-20	-0.0190114	0.0118047	0.1072903	0.01202139	13	0.63551762
ENSG00000086619	1	ERO1LB	236378855	rs2695064	1	236411933	T	A	0.279324	-0.0140989	0.00835414	0.0914766	0.538756	0.0753518	8.69E-13	-0.0261694	0.0159325	0.1004827	0.7663765	14	0.63021019
ENSG00000225554	1	RP11-527D7.1	241587592	rs2994965	1	241594322	C	T	0.264414	-0.0036035	0.00846008	0.670152	0.393574	0.0671155	4.51E-09	-0.0091558	0.0215522	0.670967	0.7190393	4	0.91884947
ENSG00000162843	1	WDR64	241815580	rs12037241	1	241853637	T	G	0.373757	0.00440128	0.00870212	0.613018	0.662866	0.0935452	1.38E-12	0.00663977	0.0131614	0.6139188	0.3259561	4	0.89999199
ENSG00000272865	1	RP11-561I11.4	242310816	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.00958	0.0797388	9.71E-37	0.00644749	0.00820999	0.4322642	0.6862697	20	0.84962477
ENSG00000224525	1	RP11-561I11.3	242366857	rs1595121	1	242310432	G	T	0.408549	0.00650926	0.00827268	0.431377	1.04079	0.0831998	6.62E-36	0.00625415	0.00796417	0.4322858	0.6612907	20	0.84962477
ENSG00000253326	1	RP11-261C10.7	243218163	rs806232	1	243262131	G	C	0.259443	-0.0082563	0.0100667	0.41213	0.712766	0.116708	1.01E-09	-0.0115834	0.0142502	0.4162997	0.4871384	9	0.83925788
ENSG00000272195	1	RP11-156E8.1	245132652	rs4658684	1	245157882	T	C	0.584493	0.0261224	0.00866204	0.0025636	1.01782	0.0739881	4.65E-43	0.025665	0.00871248	0.00322142	0.1780107	20	0.25941404
ENSG00000203666	1	EFCAB2	245133007	rs61844237	1	245133662	C	G	0.471173	0.0114064	0.00810455	0.159308	-0.688498	0.0603051	3.44E-30	-0.0165671	0.0118605	0.1624636	0.00319298	20	0.67999547
ENSG00000235021	1	RP11-439E19.7	246853349	rs12132303	1	246853820	A	G	0.459245	0.00926402	0.00830683	0.264752	0.579975	0.0941844	7.37E-10	0.0159731	0.0145557	0.2724763	0.4552913	5	0.75500572
ENSG00000143653	1	SCCPDH	246887349	rs9426273	1	246972266	T	C	0.34493	0.0045653	0.0085913	0.595151	0.309955	0.0563603	3.81E-08	0.0147289	0.027847	0.5968588	0.01210653	8	0.89572075
ENSG00000227953	1	RP11-439E19.3	246939315	rs7366357	1	246837602	C	T	0.412525	-0.0071666	0.00840203	0.393681	-0.416878	0.0719067	6.73E-09	0.0171911	0.0203716	0.3987393	0.2185679	11	0.82273105
ENSG00000188295	1	ZNF669	247263264	rs2270616	1	247267668	T	G	0.388668	-0.0017997	0.00825834	0.827489	0.502258	0.0775403	9.33E-11	-0.0035832	0.0164517	0.8275853	0.2990285	9	0.96460169
ENSG00000221953	1	C1orf229	247273462	rs6696117	1	247273748	T	C	0.364811	0.00668193	0.00866841	0.440803	-0.655804	0.0817628	1.05E-15	-0.0101889	0.0132789	0.4429022	0.6097232	20	0.8522258
ENSG00000196418	1	ZNF124	247285277	rs10159377	1	247289430	T	C	0.276342	0.00985563	0.00936702	0.292725	-0.817843	0.0773217	3.80E-26	-0.0120508	0.0115099	0.2951017	0.957268	20	0.77270386
ENSG00000259865	1	RP11-488L18.10	247350583	rs6691539	1	247372672	T	C	0.301193	0.0121024	0.00878455	0.1683	0.471755	0.0640528	1.77E-13	0.025654	0.018944	0.1756715	0.3009982	19	0.68257826
ENSG00000162714	1	ZNF496	247460714	rs9725334	1	247462273	G	A	0.66501	0.0101943	0.00828315	0.218423	-0.496952	0.0687072	4.73E-13	-0.0205137	0.0169075	0.2250196	0.4615545	9	0.7255527
ENSG00000169224	1	GCSAML	247670360	rs74200106	1	247685757	T	C	0.21173	-0.0256853	0.00987633	0.00930358	0.786972	0.120868	7.46E-11	-0.0326381	0.0135139	0.01572838	0.435578	5	0.36210503
ENSG00000238243	1	OR2W3	248031277	rs10749633	1	248014515	G	A	0.756461	-0.0095435	0.010432	0.360282	0.392456	0.0693904	1.55E-08	-0.0243173	0.0269268	0.3664783	0.06526224	6	0.81680835
ENSG00000226191	1	RP11-438H8.8	248099363	rs12125187	1	248099308	C	T	0.687873	0.00918306	0.00882165	0.29789	-0.470546	0.0805721	5.22E-09	-0.0195158	0.0190432	0.3054501	0.5167373	10	0.77675425
ENSG00000196071	1	OR2L13	248100493	rs12125187	1	248099308	C	T	0.687873	0.00918306	0.00882165	0.29789	-0.619229	0.0853333	3.97E-13	-0.0148298	0.014392	0.3028127	0.4644824	12	0.77657782
ENSG00000224521	1	RP11-438F14.3	248712057	rs11485847	1	248691455	T	C	0.800199	0.00371726	0.00934035	0.690645	-0.814355	0.105446	1.14E-14	-0.0045647	0.0114848	0.6910347	0.2440126	7	0.92403695
ENSG00000237667	2	AC113607.1	779837	rs6760626	2	868162	C	A	0.455268	-0.0034471	0.00818039	0.673473	0.78819	0.113111	3.21E-12	-0.0043735	0.0103977	0.6740336	0.1973207	8	0.92006098
ENSG00000237720	2	AC011995.1	2838036	rs4853769	2	2836286	T	C	0.470179	-0.0102725	0.00818574	0.209506	-0.301513	0.0494788	1.10E-09	0.0340698	0.0277186	0.2190218	0.5765619	3	0.71801399
ENSG00000171853	2	TRAPPC12	3383446	rs6706868	2	3384825	A	G	0.498012	0.00437494	0.0081271	0.59036	-0.30282	0.04811	3.09E-10	-0.0144473	0.026936	0.5917118	0.6925901	9	0.89572075
ENSG00000225234	2	TRAPPC12-AS1	3485013	rs11127430	2	3485242	C	G	0.419483	-0.0085393	0.00822182	0.298985	-0.569984	0.0594567	9.11E-22	0.0149816	0.0145091	0.3018048	0.9990671	20	0.77657782
ENSG00000182551	2	ADI1	3501132	rs55980070	2	3514866	T	C	0.166004	-0.0062193	0.00961507	0.517745	-0.370542	0.0605503	9.38E-10	0.0167843	0.0260932	0.520067	0.8698353	3	0.87741473
ENSG00000234171	2	AC108488.3	3606082	rs12629	2	3609064	A	G	0.295229	0.0086602	0.00838912	0.301926	-1.12917	0.0741677	2.43E-52	-0.0076695	0.00744652	0.3030343	0.4959755	14	0.77657782
ENSG00000118004	2	COLEC11	3642426	rs66718279	2	3653279	T	C	0.635189	-0.0078864	0.00896676	0.379122	-0.8112	0.109195	1.09E-13	0.00972189	0.0111309	0.3824368	0.6757566	16	0.82149871
ENSG00000151360	2	ALLC	3705785	rs2071639	2	3628383	A	C	0.110338	-0.0118075	0.0130898	0.367036	1.4228	0.141373	7.95E-24	-0.0082988	0.00923691	0.3689528	0.2915713	9	0.81680835
ENSG00000229727	2	AC013460.1	7561392	rs10182781	2	7431359	C	T	0.72167	-0.0015691	0.00869847	0.856849	-0.525446	0.0882806	2.65E-09	0.00298621	0.0165621	0.8569138	0.1347566	4	0.97475956
ENSG00000115761	2	NOL10	10710892	rs7567304	2	10790029	C	T	0.591451	0.00065938	0.00806595	0.934847	-0.360085	0.0602875	2.33E-09	-0.0018312	0.0224022	0.9348531	0.8572997	9	0.98714867
ENSG00000143882	2	ATP6V1C2	10861775	rs12468286	2	10862188	A	G	0.442346	-0.0090381	0.00806646	0.262522	-0.564691	0.0853441	3.67E-11	0.0160053	0.0144881	0.2692795	0.6513412	13	0.75133905
ENSG00000271952	2	RP11-245G13.2	11018395	rs34413173	2	10984402	A	G	0.421471	0.0124559	0.00846711	0.141265	0.817313	0.0980247	7.57E-17	0.0152401	0.0105197	0.1474169	0.2298842	4	0.66222016
ENSG00000145063	2	AC062028.1	11239977	rs6752604	2	11264444	G	A	0.835984	0.0005019	0.0108165	0.962991	0.455337	0.0720244	2.58E-10	0.00110225	0.0237556	0.9629917	0.8258057	6	0.98751784
ENSG00000226080	2	RP11-345J13.1	11242268	rs1546599	2	11263956	A	T	0.861829	0.00222779	0.0115081	0.846501	-0.626316	0.0922318	1.12E-11	-0.003557	0.0183817	0.8465628	0.4159819	4	0.97328151
ENSG00000196208	2	GREB1	11674242	rs35188552	2	11725947	C	T	0.131213	-0.0116417	0.0125093	0.352037	0.699373	0.116957	2.24E-09	-0.0166459	0.0181018	0.3577957	0.6954531	3	0.81588218
ENSG00000134324	2	LPIN1	11817721	rs3795974	2	11924950	C	T	0.596421	0.0121625	0.00833667	0.144589	0.444401	0.0595983	8.88E-14	0.0273683	0.019115	0.15221	0.1007575	13	0.66354405
ENSG00000178295	2	GEN1	17935125	rs74554087	2	17992259	T	C	0.0477137	-0.0043046	0.0292281	0.882914	0.839569	0.146665	1.04E-08	-0.0051272	0.0348247	0.882952	0.6686424	7	0.97615419
ENSG00000183891	2	TTC32	20096404	rs60084614	2	20101229	A	C	0.109344	-0.0305741	0.0150852	0.0426874	0.888575	0.102913	5.91E-18	-0.034408	0.0174383	0.04848073	0.9829389	7	0.52638815
ENSG00000118961	2	C2orf43	20883788	rs10182643	2	20884586	C	G	0.246521	0.00474416	0.00930063	0.609988	-0.764346	0.0833669	4.80E-20	-0.0062068	0.0121869	0.6105402	0.3686398	18	0.89918729
ENSG00000219626	2	FAM228B	24299396	rs12469126	2	24277104	G	A	0.141153	0.0325496	0.0101539	0.00134763	-0.602192	0.10656	1.59E-08	-0.0540519	0.0193855	0.00529906	0.9476415	5	0.29082583
ENSG00000232642	2	AC008073.7	24388753	rs10185445	2	24410976	T	G	0.303181	-0.0195698	0.0090035	0.0297365	1.07962	0.109342	5.41E-23	-0.0181266	0.00853918	0.03377472	0.06796503	20	0.46848284
ENSG00000157856	2	DRC1	26624784	rs62128677	2	26631168	T	C	0.49006	-0.0034188	0.00806012	0.67145	-0.493983	0.0811145	1.13E-09	0.0069208	0.0163561	0.6721987	0.5270681	9	0.91917408
ENSG00000157851	2	DPYSL5	27070615	rs7589183	2	27064336	T	C	0.399602	-0.01048	0.00822148	0.202412	-0.297259	0.0533879	2.58E-08	0.0352555	0.0283732	0.2140291	0.1329515	13	0.71009944
ENSG00000163803	2	PLB1	28680012	rs10194528	2	28819614	A	G	0.481113	0.002953	0.00815852	0.717386	0.355624	0.0626107	1.35E-08	0.00830371	0.022988	0.7179348	0.4395604	7	0.93305022
ENSG00000213639	2	PPP1CB	28974506	rs4563180	2	29093695	G	C	0.411531	-0.0124185	0.00815387	0.127754	-0.215583	0.0381909	1.65E-08	0.0576043	0.0391749	0.1414429	0.6362957	9	0.66222016
ENSG00000171103	2	TRMT61B	29072687	rs6547878	2	29010066	C	T	0.606362	0.0132371	0.00820933	0.106865	-0.455788	0.052408	3.41E-18	-0.0290422	0.0183182	0.1128694	0.9867796	20	0.64284556
ENSG00000189350	2	FAM179A	29179477	rs74175081	2	29180123	A	G	0.208748	-0.0120832	0.0122227	0.322867	1.26245	0.0997647	1.06E-36	-0.0095712	0.00971123	0.3243374	0.8847349	20	0.78543469
ENSG00000171055	2	FEZ2	36778570	rs1533946	2	36781401	C	T	0.390656	-0.0048388	0.00829706	0.55976	-0.334578	0.052034	1.28E-10	0.0144625	0.0249004	0.5613658	0.3490798	20	0.89016751
ENSG00000143891	2	GALM	38893052	rs11689051	2	38896783	T	C	0.121272	-0.0237537	0.0137261	0.0835314	0.613213	0.0786757	6.48E-15	-0.0387365	0.022929	0.09114113	0.5240948	12	0.62509594
ENSG00000115944	2	COX7A2L	42560686	rs10183278	2	42571486	T	C	0.585487	0.0128554	0.00826748	0.11996	-0.219581	0.031745	4.61E-12	-0.0585451	0.0385908	0.1292475	0.3764957	20	0.66222016
ENSG00000226491	2	FTOP1	43024365	rs13006059	2	43022720	G	A	0.640159	0.00065291	0.00838324	0.937921	-0.729505	0.1192	9.36E-10	-0.000895	0.0114926	0.9379263	0.566514	4	0.98751784
ENSG00000152527	2	PLEKHH2	43864412	rs975975	2	43940532	T	G	0.208748	0.00206287	0.00950366	0.828161	-0.570524	0.0834778	8.23E-12	-0.0036158	0.0166662	0.8282464	0.6925475	5	0.96460169
ENSG00000138095	2	LRPPRC	44113647	rs7559561	2	44153682	C	T	0.406561	-0.0055183	0.00818289	0.500078	0.336779	0.0323318	2.09E-25	-0.0163854	0.0243484	0.5009748	0.8835931	20	0.86965625
ENSG00000250565	2	ATP6V1E2	46717889	rs3754553	2	46769135	C	T	0.477137	-0.0072811	0.00805789	0.366206	-0.563925	0.0819492	5.93E-12	0.0129115	0.0144116	0.3702993	0.3052369	7	0.81680835

ENSG00000119878	2	CRIPT	46843555	rs35909669	2	46867794	G	T	0.315109	0.00279924	0.00907024	0.757612	0.589756	0.0651602	1.42E-19	0.00474644	0.0153886	0.7577484	0.907758	20	0.94013714
ENSG00000180398	2	MCFD2	47129009	rs7601491	2	47150626	G	A	0.181909	-0.0184441	0.0118415	0.119331	-0.64473	0.0544199	2.22E-32	0.0286075	0.0185247	0.1225175	0.7859158	20	0.65233564
ENSG00000119888	2	EPCAM	47572297	rs112628241	2	47591769	G	C	0.0775348	-0.0021025	0.0134413	0.875704	1.4472	0.171156	2.78E-17	-0.0014528	0.00928939	0.8757241	0.8201445	12	0.97609174
ENSG00000170802	2	FOXN2	48541776	rs79073127	2	48573895	C	G	0.12326	-0.0080756	0.0148553	0.586703	0.475906	0.0497669	1.15E-21	-0.016969	0.0312652	0.5873066	0.2304124	20	0.89375424
ENSG00000243244	2	STON1	48756522	rs940389	2	48808152	C	G	0.340954	0.00827452	0.00811639	0.307974	0.501995	0.0679533	1.50E-13	0.0164833	0.0163215	0.3125378	0.3601791	14	0.78298316
ENSG00000242441	2	GTF2A1L	48844937	rs2140551	2	48822381	A	G	0.557654	-0.0027565	0.00835287	0.741397	0.648932	0.0877749	1.43E-13	-0.0042477	0.0128845	0.7416459	0.1865483	5	0.93606022
ENSG00000233266	2	HMGB1P31	54278471	rs182792226	2	54296656	A	G	0.0954274	-0.0110519	0.0115541	0.338804	1.10173	0.168079	5.57E-11	-0.0100314	0.0105983	0.3438885	0.3477198	20	0.80555318
ENSG00000237887	2	AC092839.1	54756480	rs2971880	2	54885640	A	T	0.390656	0.00450646	0.00862825	0.601467	-0.551147	0.0913922	1.63E-09	-0.0081765	0.0157137	0.6028242	0.3638342	8	0.89572075
ENSG00000115380	2	EFEMP1	56093102	rs11893573	2	56007034	C	T	0.205765	0.0254101	0.010367	0.0142436	0.316856	0.057339	3.28E-08	0.0801945	0.0357924	0.02505542	0.7736252	13	0.42271621
ENSG00000212978	2	AC016747.3	61368732	rs17008755	2	61604429	G	A	0.16004	-0.000647	0.0133762	0.961419	0.508427	0.0930685	4.68E-08	-0.0012726	0.02631	0.9614206	0.19478	5	0.98751784
ENSG00000237651	2	C2orf74	61372243	rs3213944	2	61372298	G	C	0.409543	-0.0042725	0.00809233	0.597525	0.920182	0.056364	6.48E-60	-0.0046431	0.00879887	0.5977157	0.0272556	20	0.89572075
ENSG00000173209	2	AHSA2	61404553	rs2600667	2	61404931	T	A	0.290258	-0.0083752	0.00829348	0.312563	-0.671354	0.0536061	5.53E-36	0.0124751	0.0123935	0.3141313	0.153963	20	0.78438126
ENSG00000243667	2	WDR92	68350068	rs7595076	2	68376253	T	G	0.2167	-0.0101156	0.0106426	0.341867	-0.526606	0.0733235	6.87E-13	0.019209	0.020386	0.3460564	0.2350566	5	0.80555318
ENSG00000163219	2	ARHGAP25	68906733	rs10048745	2	68962137	A	G	0.239563	0.00599281	0.00975178	0.538863	-0.538809	0.071793	6.14E-14	-0.0111223	0.0181593	0.5402168	0.8227847	6	0.8813815
ENSG00000124380	2	SNRNP27	70120692	rs10187817	2	70128317	A	G	0.423459	0.00175044	0.00806372	0.828149	-0.47531	0.0629046	4.16E-14	-0.0036827	0.0169722	0.8282189	0.1365375	20	0.96460169
ENSG00000163016	2	ALMS1P	73872046	rs6546857	2	73837955	G	A	0.223658	0.00284206	0.00969344	0.769373	0.751279	0.122292	8.08E-10	0.00378296	0.0129173	0.7696285	0.5655196	8	0.94420356
ENSG00000257800	2	FNBP1P1	74347807	rs828881	2	74356597	T	A	0.435388	-0.0003513	0.00827109	0.966122	0.676469	0.0650628	2.55E-25	-0.0005193	0.012227	0.966122	0.9318335	13	0.98902087
ENSG00000217702	2	MGC10955	74361599	rs6731793	2	74350441	G	C	0.181909	-0.0049768	0.0107821	0.644383	1.27161	0.117165	1.93E-27	-0.0039138	0.00848676	0.644681	0.8568186	14	0.91263867
ENSG00000163170	2	BOLA3	74362525	rs1667605	2	74374884	A	G	0.434394	-0.0067002	0.00805593	0.405575	0.295913	0.051091	6.96E-09	-0.0226424	0.0275032	0.4103591	0.378121	8	0.83307495
ENSG00000225439	2	BOLA3-AS1	74375136	rs828883	2	74375457	A	G	0.428429	-0.0068514	0.00805538	0.395029	-0.369833	0.0396408	1.06E-20	0.0185256	0.0218715	0.3969835	0.429101	16	0.82273105
ENSG00000204792	2	AC104135.3	75145275	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	1.08063	0.0699403	7.46E-54	-0.0078517	0.00833741	0.3463257	0.3589982	20	0.80555318
ENSG00000236209	2	AC104135.2	75146682	rs12366	2	75185856	T	G	0.39165	-0.0084848	0.0089929	0.345428	0.909585	0.079509	2.64E-30	-0.0093282	0.00992038	0.3470627	0.3631663	20	0.80555318
ENSG00000115364	2	MRPL19	75873909	rs34081022	2	75902380	T	C	0.242545	-0.002606	0.00871732	0.764983	-0.746492	0.0678973	4.06E-28	0.00349097	0.011682	0.765068	0.2308558	18	0.94208871
ENSG00000270462	2	RP11-342K6.3	75924709	rs35908333	2	75862620	G	C	0.255467	-0.002387	0.00866288	0.782899	0.696075	0.12468	2.37E-08	-0.0034292	0.0124605	0.783157	0.728438	6	0.95287855
ENSG00000246575	2	AC093162.5	85542164	rs145297992	2	85619423	G	A	0.0258449	-0.0246011	0.0231602	0.288139	1.53285	0.274599	2.38E-08	-0.0160493	0.0153804	0.2967212	0.1393895	3	0.7734327
ENSG00000042493	2	CAPG	85621871	rs12465686	2	85647589	T	C	0.131213	-0.0031071	0.0130827	0.812271	-0.402237	0.0566631	1.26E-12	0.00772455	0.0325431	0.8123744	0.06692853	9	0.96203978
ENSG00000115486	2	GGCX	85771846	rs55971080	2	85812746	C	T	0.479125	-0.0041158	0.00810226	0.611468	0.647245	0.0797992	5.02E-16	-0.0063589	0.0125426	0.6121656	0.4997032	20	0.89981582
ENSG00000068654	2	POLR1A	86247339	rs1019592	2	86354704	C	T	0.840954	0.01433	0.011008	0.192992	0.565558	0.0802263	1.80E-12	0.0253378	0.019793	0.2004969	0.6819034	5	0.70207968
ENSG00000132305	2	IMMT	86371055	rs13000103	2	86455492	T	C	0.538767	0.0120736	0.00813376	0.137709	-0.262798	0.0417969	3.23E-10	-0.0459425	0.0318015	0.1485514	0.4057039	16	0.66222016
ENSG00000273080	2	RP11-301O19.1	86422713	rs13010906	2	86414870	T	C	0.479125	0.0131744	0.00805372	0.101878	0.845669	0.0927567	7.72E-20	0.0155787	0.00967557	0.1073752	0.1290978	20	0.63551762
ENSG00000132313	2	MRPL35	86426478	rs11900161	2	86427235	C	G	0.544732	0.0127898	0.00812185	0.115316	-0.267977	0.0409271	5.84E-11	-0.0477272	0.0311722	0.1257492	0.1379422	16	0.65565995
ENSG00000115561	2	CHMP3	86730554	rs10188515	2	86775859	C	T	0.599404	0.0241598	0.00821431	0.00326957	0.224812	0.0345618	7.79E-11	0.107467	0.0401002	0.00736328	0.09665924	5	0.29082583
ENSG00000183281	2	PLGLB1	87229682	rs181970253	2	87130278	G	C	0.0596421	0.051602	0.0202532	0.010839	-1.15727	0.135623	1.43E-17	-0.0445894	0.0182643	0.01463291	0.1602821	8	0.36210503
ENSG00000231259	2	AC125232.1	87257800	rs11901025	2	87278601	T	C	0.532803	0.00099593	0.00829796	0.904466	-0.994795	0.0811819	1.60E-34	-0.0010011	0.00834178	0.9044706	0.02256581	20	0.98043565
ENSG00000222041	2	LINC00152	87754887	rs71238440	2	87835572	T	C	0.473161	-0.0064421	0.0084141	0.443899	0.776114	0.0828119	7.12E-21	-0.0083004	0.0108774	0.4454129	0.8854147	3	0.85269709
ENSG00000163586	2	FABP1	88422510	rs2970901	2	88428834	T	G	0.474155	0.0110355	0.00834403	0.185981	-0.80205	0.0922531	3.50E-18	-0.0137591	0.0105231	0.1910362	0.4264039	10	0.69177297
ENSG00000144115	2	THNSL2	88469835	rs6547758	2	88469863	C	G	0.758449	0.00385931	0.00867553	0.656428	1.05775	0.100113	4.31E-26	0.0036486	0.00820914	0.6567127	0.8478252	20	0.91470231
ENSG00000144026	2	ZNF514	95813075	rs76433362	2	95926363	A	C	0.0347913	0.0472647	0.0298422	0.113235	-1.12819	0.201902	2.30E-08	-0.0418943	0.0274934	0.1275605	0.08597462	6	0.66125001
ENSG00000155066	2	PROM2	95940201	rs3113002	2	95700730	A	G	0.717694	0.0143091	0.00951296	0.132538	0.376994	0.0633265	2.63E-09	0.0379558	0.0260267	0.1447472	0.1555293	10	0.66222016
ENSG00000198885	2	ITPRIPL1	96991069	rs2692950	2	96673524	C	T	0.372763	-0.0045233	0.00808297	0.57575	0.431305	0.0776936	2.83E-08	-0.0104874	0.0188357	0.5776772	0.0998914	17	0.89127357
ENSG00000230606	2	AC159540.1	98081083	rs6756674	2	98166779	C	A	0.648111	-0.0007191	0.00934081	0.938635	-0.575627	0.073213	3.77E-15	0.00124926	0.016228	0.9386378	0.5463742	18	0.98751784
ENSG00000196912	2	ANKRD36B	98108978	rs10181934	2	98208346	C	A	0.647117	-0.0006151	0.00934395	0.947517	-0.541682	0.0884001	8.92E-10	0.00113549	0.0172509	0.9475196	0.6530549	6	0.98751784
ENSG00000183513	2	COA5	99215773	rs72823796	2	99227812	T	C	0.271372	0.0178013	0.00984163	0.0704855	0.270618	0.0475588	1.27E-08	0.0657802	0.0381604	0.08474741	0.3810624	5	0.60963459
ENSG00000135951	2	TSGA10	99613724	rs13035357	2	99752246	T	C	0.610338	0.00355353	0.00810879	0.661219	0.53192	0.0858762	5.86E-10	0.00668057	0.0152825	0.6620105	0.749058	13	0.91859148
ENSG00000144182	2	LIPT1	99771418	rs13026928	2	99804278	A	G	0.632207	0.00053093	0.00814944	0.948055	0.454143	0.0676628	1.92E-11	0.00116908	0.0179455	0.9480578	0.8015973	12	0.98751784
ENSG00000158411	2	MITD1	99777890	rs6542873	2	99824965	A	G	0.246521	-0.0032997	0.00982619	0.737013	0.372142	0.066093	1.80E-08	-0.0088669	0.0264513	0.7374628	0.7824136	11	0.93606022
ENSG00000144218	2	AFF3	100162323	rs2118281	2	100717725	A	T	0.184891	0.0118983	0.0109968	0.27926	0.579819	0.0614903	4.12E-21	0.0205207	0.0190904	0.2824083	0.2263862	20	0.76264592
ENSG00000163162	2	RNF149	101887681	rs4850963	2	101862775	C	A	0.257455	-0.0019024	0.0105573	0.856999	-0.541946	0.0888904	1.08E-09	0.00351026	0.0194889	0.8570614	0.5361731	5	0.97475956
ENSG00000212283	2	SNORD89	101889398	rs6543025	2	101830306	A	G	0.432406	0.00480306	0.00806096	0.551281	0.742688	0.101451	2.47E-13	0.00646713	0.0108897	0.5525935	0.6099582	8	0.88604456
ENSG00000115602	2	IL1RL1	102927962	rs12712135	2	102930948	G	A	0.498012	0.01259	0.00802994	0.116909	-0.584758	0.0633989	2.88E-20	-0.0215303	0.0139291	0.1221749	0.5149512	15	0.65227447
ENSG00000115604	2	IL18R1	102927989	rs6543118	2	102929469	A	G	0.498012	0.0125801	0.0080307	0.11723	-0.64533	0.06042	1.25E-26	-0.0194941	0.0125775	0.1211608	0.393296	20	0.65227447
ENSG00000234177	2	AC068057.2	105363096	rs4851715	2	105389683	A	T	0.355865	-0.0011338	0.00896054	0.899315	0.535298	0.057119	7.14E-21	-0.002118	0.0167409	0.8993239	0.2843123	7	0.97902365
ENSG00000224509	2	AC010884.1	105552869	rs56067963	2	105704073	A	G	0.224652	0.00823717	0.0107396	0.443087	-0.583102	0.103367	1.69E-08	-0.0141265	0.0185875	0.4472559	0.4023361	4	0.85269709
ENSG00000119147	2	C2orf40	106679702	rs13014521	2	106687456	C	G	0.126243	0.0138457	0.0103529	0.181101	-0.92201	0.123559	8.51E-14	-0.0150169	0.0114075	0.18804	0.06911705	11	0.69027352
ENSG00000229360	2	PPP1R2P5	107557336	rs1524294	2	107612295	A	G	0.471173	0.0126647	0.00811563	0.118635	0.881873	0.090603	2.17E-22	0.0143611	0.00932025	0.1233524	0.6899967	20	0.65256807
ENSG00000198203	2	SULT1C2	108905095	rs6760918	2	108904340	A	G	0.158052	0.00143831	0.00987111	0.884151	1.14322	0.123712	2.44E-20	0.00125812	0.00863555	0.8841654	0.2393333	12	0.97615419
ENSG00000169629	2	RGPD8	113127669	rs144220082	2	113130532	T	C	0.154076	0.00135191	0.0109654	0.901878	-1.11669	0.0950219	6.90E-32	-0.0012106	0.0098201	0.9018839	0.8068954	20	0.98018796
ENSG00000125630	2	POLR1B	113299492	rs13413001	2	113315803	C	A	0.083499	-0.0003849	0.0146081	0.978978	1.1143	0.123648	2.03E-19	-0.0003454	0.0131097	0.9789777	0.4673194	12	0.99106084
ENSG00000125611	2	CHCHD5	113341817	rs6707131	2	113318909	A	G	0.77833	0.0149745	0.0085611	0.0802675	-0.357769	0.053933	3.28E-11	-0.0418552	0.024747	0.09077477	0.8806319	5	0.62509594
ENSG00000237753	2	AC079922.3	113399409	rs11123144	2	113403662	C	T	0.831014	-0.0142907	0.0119218	0.230641	-0.903776	0.0856075	4.70E-26	0.0158122	0.0132759	0.2336339	0.8469798	20	0.7327307
ENSG00000189223	2	AC016683.6	113969099	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.956347	0.105831	1.62E-19	0.00920959	0.00860891	0.2847211	0.4115373	20	0.76436273
ENSG00000125618	2	PAX8	113973574	rs7576384	2	113993385	G	C	0.38668	-0.0088076	0.00817521	0.281324	-0.838009	0.112855	1.12E-13	0.0105101	0.00985766	0.2863394	0.4798953	11	0.76436273
ENSG00000136682	2	CBWD2	114195268	rs28610393	2	114169592	T	G	0.28827	-0.0026167	0.00843731	0.756455	-0.488501	0.0813323	1.90E-09	0.00535667	0.0172948	0.756769	0.4316491	8	0.93994618
ENSG00000184492	2	FOXD4L1	114256661	rs2441606	2	114235488	A	G	0.161034	-0.0090723	0.00978035	0.353611	-0.642341	0.105309	1.06E-09	0.0141239	0.0154012	0.3591092	0.8945555	7	0.81588218
ENSG00000225398	2	RP11-395L14.5	114299514	rs144468477	2	114366384	T	A	0.345924	0.0147856	0.0091274	0.105251	0.833894	0.0919242	1.17E-19	0.0177308	0.0111187	0.1107821	0.5036447	20	0.63721688
ENSG00000146556	2	WASH2P	114341664	rs6729192	2	114363348	C	T	0.340954	0.0124119	0.00894786	0.165401	-0.78653	0.0590101	1.58E-40	-0.0157806	0.0114378	0.1676837	0.2165806	20	0.68081994
ENSG00000236397	2	DDX11L2	114356606	rs201873201	2	114363221	A	G	0.34493	0.012096	0.00894935	0.176499	0.986617	0.0847098	2.38E-31	0.0122601	0.00913162	0.1794027	0.1318029	20	0.68323261
ENSG00000240356	2	RPL23AP7	114368079	rs200434605	2	114382440	C	G	0.359841	0.0115956	0.00899197	0.197206	0.881288	0.0825648	1.35E-26	0.0131576	0.0102774	0.2004603	0.08062877	20	0.70207968
ENSG00000163161	2	ERCC3	128014866	rs7562428	2	128111651	C	A	0.251491	-0.0072032	0.0094132	0.444139	-0.295792	0.0518483	1.16E-08	0.0243522	0.0321087	0.448193	0.7620275	10	0.85269709
ENSG00000236682	2	AC068282.3	128146706	rs2090573	2	128110801	C	T	0.770378	0.0112092	0.00909393	0.217723	-1.37313	0.0925023	7.58E-50	-0.0081633	0.00664557	0.2193063	0.963514	20	0.71801399
ENSG00000144231	2	POLR2D	128603840	rs6721274	2	128616001	G	A	0.512922	-0.0053862	0.00807174	0.504589	-0.445896	0.0694127	1.33E-10	0.0120794	0.0181997	0.5068736	0.8199919	7	0.87138801
ENSG00000225449	2	AC079776.7	130724165	rs10928946	2	130733087	A	G	0.691849	-0.0152997	0.00826767	0.0642347	0.633554	0.0655116	4.01E-22	-0.024149	0.0132864	0.06913006	0.5524513	15	0.57515811
ENSG00000222014	2	RAB6C	130737235	rs6709481	2	130730457	G	T	0.704771	-0.0153629	0.00828673	0.0637514	0.630226	0.0807652	6.04E-15	-0.0243768	0.0135148	0.07127707	0.4279813	6	0.5804276
ENSG00000180178	2	AC018865.8	130748029	rs72988367	2	131453497	G	C	0.318091	-0.0183694	0.0107002	0.086028	0.864879	0.105764	2.90E-16	-0.0212393	0.0126416	0.09293594	0.7293993	9	0.62509594
ENSG00000240253	2	AC140481.7	131447706	rs185989706	2	131458244	A	G	0.147117	-0.0135696	0.0155557	0.383032	-0.626221	0.0905977	4.78E-12	0.021669	0.0250376	0.3867872	0.43564	13	0.82273105
ENSG00000224425	2	AC073869.2	132109787	rs2313724	2	132096409	G	A	0.884692	-0.0122561	0.0116775	0.293927	0.864587	0.100986	1.11E-17	-0.0141757	0.0136076	0.2975278	0.9604383	20	0.7734327
ENSG00000233087	2	AC073869.1	132118066	rs111737445	2	132102527	T	G	0.885686	-0.012245	0.0116775	0.29436	0.493493	0.0762376	9.60E-11	-0.0248129	0.0239714	0.3006203	0.7390832	13	0.77657782
ENSG00000273073	2	RP11-109E12.1	132219394	rs10205714	2	132243553	T	C	0.0914513	0.0231735	0.017243	0.178969	1.20685	0.140422	8.36E-18	0.0192016	0.0144612	0.1842439	0.399366	20	0.68478134
ENSG00000173272	2	MZT2A	132222473	rs10205714	2	132243553	T	C	0.0914513	0.0231735	0.017243	0.178969	-0.685017	0.0764691	3.30E-19	-0.0338291	0.0254533	0.1838272	0.7596924	20	0.68478134
ENSG00000075886	2	TUBA3D	132233666	rs10205714	2	132243553	T	C	0.0914513	0.0231735	0.017243	0.178969	-0.604522	0.107669	1.97E-08	-0.0383336	0.0293291	0.1912073	0.9864114	7	0.69177297
ENSG00000152117	2	AC093838.4	132250386	rs12990156	2	132250941	C	T	0.219682	-0.0102496	0.00915287	0.262791	-0.927731	0.0684106	6.80E-42	0.011048	0.00989945	0.2644114	0.9948796	20	0.74928958
ENSG00000163040	2	CCDC74A	132285248	rs7565546	2	132264958	A	G	0.324056	-0.003629	0.00860503	0.673225	-0.360238	0.0619419	6.04E-09	0.0100738	0.0239498	0.6740302	0.9577198	11	0.92006098
ENSG00000235615	2	AJ239322.1	132722304	rs62161111	2	132795612	A	G	0.369781	0.0140176	0.00874625	0.109001	0.747743	0.0814766	4.42E-20	0.0187465	0.0118739	0.114381	0.3431312	10	0.64624497
ENSG00000236485	2	RP1-156L9.1	132741510	rs9752245	2	132790220	T	C	0.364811	0.012734	0.00876546	0.146293	0.719999	0.0815223	1.03E-18	0.0176861	0.0123379	0.1517194	0.5113196	9	0.66340051
ENSG00000227745	2	AC098826.5	132890429	rs56740690	2	133015420	C	G	0.0526839	-0.0085324	0.0205795	0.678428	-0.984247	0.167216	3.95E-09	0.00866898	0.0209607	0.6791795	0.8129428	5	0.92288062
ENSG00000163046	2	ANKRD30BL	132905164	rs57117950	2	133015103	C	T	0.0526839	-0.008512	0.0205734	0.679066	-1.38809	0.1449	9.74E-22	0.00613217	0.0148352	0.6793478	0.7960233	20	0.92288062
ENSG00000152128	2	TMEM163	135213330	rs1104801	2	135436601	A	G	0.567594	0.0261424	0.00852234	0.00215844	0.25926	0.0445513	5.91E-09	0.100835	0.0371591	0.00665571	0.1007639	12	0.29082583
ENSG00000080345	2	RIF1	152266397	rs16830159	2	152385217	T	C	0.298211	-0.0041975	0.0088211	0.634187	0.401634	0.0675923	2.82E-09	-0.0104509	0.0220333	0.6352692	0.2189963	19	0.90900563
ENSG00000196151	2	WDSUB1	160092304	rs174261	2	160147145	C	T	0.582505	-0.0114475	0.00827332	0.16646	0.666406	0.067438	4.99E-23	-0.017178	0.0125359	0.1705943	0.5276597	20	0.68081994
ENSG00000054219	2	LY75	160628362	rs925407	2	160767502	C	A	0.539761	0.00947818	0.00838309	0.258211	0.355107	0.0520356	8.83E-12	0.0266911	0.023929	0.264668	0.04793779	20	0.74928958
ENSG00000115339	2	GALNT3	166604101	rs12477613	2	166717184	C	G	0.44334	-0.0144748	0.00811051	0.0743105	0.529989	0.0834113	2.10E-10	-0.0273115	0.0158954	0.08575922	0.1792663	8	0.61386661
ENSG00000169432	2	SCN9A	167051695	rs35962214	2	167221932	C	G	0.147117	-0.0157701	0.0114178	0.167222	0.496626	0.0838899	3.22E-09	-0.0317545	0.0236082	0.178605	0.142065	8	0.68323261
ENSG00000138399	2	FASTKD1	170386259	rs112651521	2	170346004	T	C	0.0735586	0.00382158	0.0124645	0.759151	0.716124	0.114854	4.52E-10	0.00533648	0.0174265	0.7594317	0.2066128	18	0.94074281
ENSG00000144362	2	PHOSPHO2	170550975	rs7584631	2	170437019	G	A	0.714712	0.0340657	0.00957424	0.00037361	0.551295	0.0948246	6.11E-09	0.0617921	0.020361	0.00240673	0.5421184	11	0.24408023
ENSG00000239467	2	AC007405.6	171627623	rs13014069	2	171658382	C	T	0.379722	-0.018812	0.00844866	0.0259723	-0.381885	0.0692307	3.47E-08	0.0492609	0.023858	0.03894617	0.00967522	10	0.48722943
ENSG00000071967	2	CYBRD1	172378757	rs150985439	2	172417398	C	G	0.240557	0.010687	0.0102477	0.297008	-0.206508	0.0369002	2.19E-08	-0.051751	0.050478	0.3052596	0.7559873	4	0.77675425
ENSG00000228016	2	RAPGEF4-AS1	173541869	rs767072	2	173592148	A	G	0.696819	-0.0076858	0.00827968	0.353268	-0.648518	0.0632122	1.07E-24	0.0118513	0.0128192	0.35523	0.2817908	20	0.81536957
ENSG00000115935	2	WIPF1	175424300	rs11675139	2	175440316	A	G	0.54672	0.0161976	0.00820556	0.0483849	-0.224531	0.0319682	2.16E-12	-0.0721397	0.0379613	0.05738705	0.6177064	7	0.5596292
ENSG00000272551	2	RP11-324L17.1	177476165	rs56155737	2	177493377	A	G	0.0815109	0.0114223	0.0171758	0.506037	1.40205	0.165206	2.13E-17	0.00814686	0.012288	0.5073367	0.2748413	5	0.87138801
ENSG00000163364	2	AC017048.3	177494317	rs56155737	2	177493377	A	G	0.0815109	0.0114223	0.0171758	0.506037	1.51123	0.163225	2.07E-20	0.00755828	0.0113947	0.5071295	0.312282	5	0.87138801
ENSG00000226747	2	AC007966.1	186584601	rs55730501	2	186587819	T	C	0.249503	0.0115484	0.00820169	0.159115	1.15031	0.0889157	2.78E-38	0.0100394	0.00717209	0.1615777	0.2260078	20	0.67999547
ENSG00000259915	2	RP11-410E4.1	187219299	rs35437667	2	187067712	A	T	0.293241	0.0106906	0.00828651	0.197009	0.522228	0.0748375	2.99E-12	0.0204711	0.0161365	0.2045759	0.5839505	20	0.70391756
ENSG00000138449	2	SLC40A1	190425305	rs13008848	2	190445284	G	C	0.22664	0.00959312	0.0094317	0.309099	0.254999	0.0423429	1.72E-09	0.0376202	0.037511	0.3159037	0.7729702	20	0.78450316
ENSG00000138381	2	ASNSD1	190526111	rs4667299	2	190542687	T	G	0.728628	0.0200938	0.00878285	0.0221462	0.530723	0.0577851	4.14E-20	0.0378612	0.0170546	0.02641844	0.03794071	19	0.42271621
ENSG00000273240	2	RP11-455J20.3	190628585	rs7603192	2	190581557	A	C	0.269384	-0.0191254	0.0087743	0.0292793	-0.844392	0.0842331	1.19E-23	0.0226499	0.0106341	0.03317682	0.02075489	20	0.46397213
ENSG00000128699	2	ORMDL1	190635049	rs2033870	2	190603830	A	G	0.728628	0.0193154	0.00877347	0.0276956	-0.577274	0.0684174	3.24E-17	-0.0334597	0.0157069	0.03315122	0.03667911	20	0.46397213
ENSG00000198130	2	HIBCH	191054461	rs291431	2	191199530	A	G	0.604374	-0.0098362	0.00831099	0.236606	0.430011	0.0477072	1.99E-19	-0.0228742	0.0194933	0.2406193	0.08959491	14	0.73450129
ENSG00000151689	2	INPP1	191208196	rs2067419	2	191227073	G	A	0.225646	-0.0091335	0.011475	0.426062	0.547913	0.0619337	9.01E-19	-0.0166697	0.0210277	0.427925	0.0014393	20	0.84621731
ENSG00000234919	2	AC064834.3	196434352	rs114717357	2	196439100	T	C	0.0328032	0.0162849	0.0253582	0.520746	1.5921	0.258565	7.39E-10	0.0102286	0.0160139	0.5229985	0.04096457	3	0.87741473
ENSG00000196950	2	SLC39A10	196440701	rs12992242	2	196649587	C	A	0.589463	0.0112308	0.00821105	0.171385	0.197987	0.0298047	3.08E-11	0.0567249	0.0423427	0.1803548	0.5528122	17	0.68323261
ENSG00000213938	2	SEPHS1P6	200524274	rs13008446	2	200628500	A	G	0.66004	0.00646253	0.00948012	0.495433	0.451835	0.070045	1.11E-10	0.0143029	0.0210982	0.4978238	0.5545109	7	0.86791667
ENSG00000226124	2	FTCDNL1	200625267	rs13008446	2	200628500	A	G	0.66004	0.00646253	0.00948012	0.495433	-0.68868	0.0874025	3.29E-15	-0.0093839	0.0138171	0.4970391	0.08248457	20	0.86791667
ENSG00000162971	2	TYW5	200794698	rs6414157	2	200872942	T	C	0.671968	-0.0282808	0.008467	0.00083743	0.444948	0.0642663	4.41E-12	-0.0635598	0.0211279	0.00262683	0.2076455	19	0.24408023
ENSG00000240344	2	PPIL3	201735630	rs7559150	2	201754063	C	T	0.263419	0.00811619	0.00936911	0.386341	-1.02023	0.0838622	4.74E-34	-0.0079553	0.00920658	0.3875421	0.7477743	20	0.82273105
ENSG00000064012	2	CASP8	202098166	rs2080303	2	202165206	C	T	0.7167	-0.0023139	0.00859682	0.787811	-0.949079	0.0815301	2.55E-31	0.00243801	0.00906049	0.7878673	0.4704273	20	0.95332026
ENSG00000155749	2	ALS2CR12	202152994	rs7560328	2	202164837	C	A	0.614314	-0.000447	0.00827166	0.956908	-0.72875	0.0808715	2.04E-19	0.00061332	0.0113507	0.9569085	0.3413701	20	0.98751784
ENSG00000273456	2	RP11-686O6.2	203239655	rs146961085	2	203115333	C	G	0.140159	0.00014491	0.0122851	0.990588	0.768794	0.116374	3.94E-11	0.0001885	0.0159797	0.9905885	0.6301951	9	0.99643167
ENSG00000114933	2	INO80D	206858445	rs6757501	2	206965373	A	G	0.477137	-0.0007476	0.0080628	0.926125	0.37391	0.0556055	1.76E-11	-0.0019994	0.0215655	0.9261319	0.4639463	20	0.98372284
ENSG00000023228	2	NDUFS1	206979541	rs4991050	2	206973801	T	C	0.477137	-0.0007102	0.00806321	0.929818	-0.350378	0.0335815	1.74E-25	0.00202683	0.0230137	0.9298205	0.3475855	20	0.98557573
ENSG00000138400	2	MDH1B	207602487	rs3828294	2	207629904	A	G	0.259443	0.00646004	0.00857921	0.451458	0.731541	0.0711979	9.16E-25	0.00883073	0.011759	0.4526684	0.4832629	20	0.85658884
ENSG00000168582	2	CRYGA	209025464	rs6721025	2	209030572	G	A	0.691849	0.00356912	0.00824949	0.66527	0.745819	0.0944361	2.84E-15	0.0047855	0.0110776	0.6657417	0.8570033	5	0.91884947
ENSG00000188674	2	C2orf80	209030067	rs7589065	2	209033138	T	C	0.673956	0.00275687	0.00858419	0.748092	-0.280723	0.0445839	3.04E-10	-0.0098206	0.0306186	0.7484076	0.8595386	5	0.93730503
ENSG00000138376	2	BARD1	215590370	rs17489363	2	215674341	G	A	0.740557	0.00141295	0.00980199	0.885382	0.483346	0.0621641	7.53E-15	0.00292327	0.0202829	0.8854021	0.4461858	19	0.97633347
ENSG00000138363	2	ATIC	216176540	rs62202926	2	216150246	G	T	0.259443	0.00825731	0.00860945	0.337509	-0.445391	0.0771119	7.65E-09	-0.0185395	0.0195948	0.3440756	0.9931278	6	0.80555318
ENSG00000079246	2	XRCC5	216972187	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	-1.05285	0.123783	1.81E-17	0.00692317	0.0191576	0.717816	0.921135	9	0.93305022
ENSG00000260804	2	RP11-566E18.3	217081768	rs4987039	2	217070057	A	G	0.0387674	-0.0072891	0.0201519	0.717571	1.00715	0.101847	4.65E-23	-0.0072373	0.0200222	0.7177525	0.9821786	11	0.93305022
ENSG00000261338	2	RP11-378A13.1	219120042	rs11554825	2	219125809	T	C	0.587475	-0.0022445	0.00858644	0.793783	0.906975	0.0629455	4.55E-47	-0.0024747	0.00946868	0.7938177	0.2009446	20	0.95536852
ENSG00000115556	2	PLCD4	219472488	rs58650092	2	219304851	A	C	0.379722	0.0201537	0.00831344	0.0153409	-0.513875	0.094036	4.64E-08	-0.0392191	0.0176984	0.02669368	0.6920172	5	0.42271621
ENSG00000182698	2	RESP18	220192131	rs2891762	2	220205797	G	T	0.719682	-0.0104725	0.0108135	0.33281	1.03604	0.0995922	2.41E-25	-0.0101082	0.0104825	0.3348977	0.2915834	20	0.79724618
ENSG00000261428	2	RP11-16P6.1	223431624	rs3768973	2	223436402	T	C	0.742545	0.00706587	0.00883704	0.423957	0.717575	0.0860952	7.77E-17	0.00984687	0.0123717	0.4260784	0.7759029	7	0.84602828
ENSG00000168958	2	MFF	228189867	rs4673192	2	228236131	G	A	0.16501	-0.0023126	0.0103284	0.82283	-0.532723	0.0732015	3.40E-13	0.00434109	0.0193971	0.8229122	0.8937542	17	0.96379398
ENSG00000153832	2	FBXO36	230787018	rs55953045	2	230817569	T	G	0.0347913	0.00086798	0.0170858	0.959484	-1.31039	0.190449	5.96E-12	-0.0006624	0.0130391	0.9594849	0.915096	3	0.98751784
ENSG00000135898	2	GPR55	231772033	rs6742145	2	231795391	C	G	0.248509	-0.0056398	0.00877204	0.520271	-0.774907	0.0772964	1.18E-23	0.00727801	0.0113434	0.5211272	0.9694171	18	0.87741473
ENSG00000173699	2	SPATA3	231860836	rs56112447	2	231875589	C	T	0.341948	0.0109037	0.008244	0.185961	-0.524779	0.0956548	4.11E-08	-0.0207777	0.0161595	0.1985182	0.8401128	4	0.70207968
ENSG00000181798	2	LINC00471	232373137	rs28685161	2	232378792	T	C	0.258449	0.0128134	0.00908716	0.158525	-0.643526	0.114747	2.04E-08	-0.0199112	0.0145604	0.1714704	0.9136896	3	0.68081994
ENSG00000156973	2	PDE6D	232597135	rs145420845	2	232701233	T	G	0.055666	0.0265416	0.0186878	0.155532	-0.378528	0.068144	2.78E-08	-0.0701179	0.0509578	0.1688219	0.3798642	3	0.68081994
ENSG00000237412	2	PRSS56	233385173	rs2741297	2	233387007	G	A	0.672962	0.00849116	0.00936926	0.364788	-0.456617	0.0690145	3.68E-11	-0.0185958	0.0207105	0.369242	0.2545489	14	0.81680835
ENSG00000182600	2	C2orf82	233721980	rs812383	2	233737132	A	C	0.626243	-0.014024	0.00882846	0.112174	0.63576	0.0603621	6.12E-26	-0.0220586	0.0140435	0.1162442	0.1730013	20	0.64624497
ENSG00000235529	2	AGAP1-IT1	236414395	rs885539	2	236416245	A	G	0.650099	-0.0025521	0.0086312	0.767473	-0.560846	0.0910691	7.35E-10	0.00455041	0.0154073	0.7677337	0.2304697	5	0.94307627
ENSG00000124839	2	RAB17	238482965	rs6742960	2	238500046	G	A	0.180915	-0.0094429	0.0103351	0.360885	0.75592	0.114867	4.68E-11	-0.012492	0.0138034	0.3654686	0.08093154	7	0.81680835
ENSG00000132330	2	SCLY	238969530	rs62196005	2	239007130	T	A	0.255467	0.00112889	0.00969905	0.907342	0.508446	0.0803529	2.49E-10	0.00222028	0.0190791	0.9073576	0.5035922	9	0.98043565
ENSG00000144485	2	HES6	239146908	rs7572392	2	239134138	C	A	0.326044	-0.0092829	0.00873249	0.287768	0.362538	0.053829	1.64E-11	-0.0256053	0.0243853	0.2937038	0.990761	7	0.77217832
ENSG00000130414	2	NDUFA10	240831867	rs10166776	2	240967312	A	G	0.343936	-0.0029517	0.00878978	0.737018	-0.216175	0.0346449	4.38E-10	0.013654	0.0407193	0.7373832	0.3514189	5	0.93606022
ENSG00000063660	2	GPC1	241375088	rs71428437	2	241387984	G	A	0.117296	0.0160411	0.0114035	0.159522	-0.394276	0.0692042	1.22E-08	-0.040685	0.0297912	0.1720422	0.03816163	3	0.68081994
ENSG00000144504	2	ANKMY1	241418839	rs3821348	2	241463453	A	C	0.176938	0.00022886	0.00908985	0.979913	-0.613521	0.0776245	2.71E-15	-0.000373	0.0148159	0.9799135	0.4186787	5	0.99119652
ENSG00000122085	2	MTERFD2	242011584	rs7599243	2	242065306	A	G	0.158052	0.0052224	0.0107696	0.627732	-0.722895	0.0982347	1.85E-13	-0.0072243	0.0149302	0.6284774	0.4094488	5	0.90357159
ENSG00000115687	2	PASK	242045514	rs758072	2	242083872	T	G	0.0864811	0.0248481	0.0195064	0.202719	0.525862	0.0673388	5.76E-15	0.0472521	0.0375844	0.2086715	0.9324729	8	0.70391756
ENSG00000146205	2	ANO7	242127924	rs111770284	2	242157087	T	C	0.168986	-0.0247231	0.011887	0.0375396	0.931807	0.103321	1.91E-19	-0.0265324	0.0130918	0.04269838	0.8717761	18	0.50441198
ENSG00000115677	2	HDLBP	242166679	rs62186363	2	242176429	A	G	0.352883	0.0136711	0.00821184	0.0959511	-0.273176	0.0453192	1.66E-09	-0.050045	0.031186	0.1085544	0.351626	16	0.63551762
ENSG00000168385	2	2-Sep	242254515	rs76240021	2	242237945	G	A	0.0417495	0.00547287	0.0216908	0.800799	0.501224	0.0673434	9.86E-14	0.010919	0.0433005	0.8009111	0.1389695	13	0.95663979
ENSG00000006607	2	FARP2	242295658	rs6724088	2	242336856	T	C	0.793241	-0.0032758	0.00946918	0.729384	0.416097	0.074265	2.11E-08	-0.0078727	0.0228005	0.7298779	0.04029919	8	0.93606022
ENSG00000168393	2	DTYMK	242615157	rs34930012	2	242663692	C	G	0.368787	0.00325831	0.00847119	0.700508	0.333836	0.052588	2.18E-10	0.00976021	0.0254218	0.7010302	0.9710779	13	0.92859872

ENSG00000180902	2	D2HGDH	242673994	rs6756901	2	242707101	G	A	0.512922	0.00790634	0.00811217	0.329745	-0.645107	0.0593049	1.47E-27	-0.0122559	0.0126253	0.3316786	0.9341611	20	0.79400187
ENSG00000224272	2	AC114730.3	242749407	rs62193092	2	242751691	T	A	0.328032	0.0175916	0.00917736	0.0552573	1.11692	0.0854805	5.13E-39	0.0157501	0.00830461	0.05788759	0.3987644	20	0.5596292
ENSG00000237940	2	AC093642.3	242912834	rs559186830	2	243087313	T	C	0.026839	-0.0413214	0.02827	0.143832	-1.34021	0.16514	4.83E-16	0.030832	0.0214331	0.1502854	0.8500574	3	0.66222016
ENSG00000261186	2	RP11-341N2.1	243029505	rs6741316	2	243032620	C	A	0.464215	0.0146445	0.00880121	0.096128	0.83655	0.0924169	1.40E-19	0.0175058	0.0106971	0.1017349	0.1593377	20	0.63021019
ENSG00000220804	2	AC093642.5	243030784	rs139036576	2	243064414	T	C	0.0129225	-0.0228462	0.0350496	0.514514	-1.29426	0.217757	2.79E-09	0.0176519	0.0272432	0.5170237	0.6038175	3	0.87590525
ENSG00000224318	3	CHL1-AS2	237441	rs76556748	3	238321	G	C	0.116302	0.0109572	0.0153396	0.475037	0.814935	0.129793	3.41E-10	0.0134455	0.0189445	0.4778716	0.02974657	5	0.86100048
ENSG00000144455	3	SUMF1	3742498	rs6764763	3	4410161	T	C	0.584493	-0.0040092	0.00815348	0.622922	-0.61136	0.0708376	6.11E-18	0.00655779	0.0133583	0.6234854	0.4898068	10	0.90296505
ENSG00000180914	3	OXTR	8792094	rs968389	3	8811163	G	A	0.468191	-7.81E-05	0.00813508	0.992343	0.426084	0.061939	6.02E-12	-0.0001832	0.0190927	0.9923427	0.2721336	15	0.99666195
ENSG00000134077	3	THUMPD3	9404526	rs7638655	3	9425376	T	C	0.149105	-0.0138942	0.0120487	0.248843	-0.63614	0.0759907	5.70E-17	0.0218414	0.0191192	0.2532952	0.4590226	20	0.73719186
ENSG00000214021	3	TTLL3	9849770	rs6786980	3	9842742	A	G	0.89662	-0.0095472	0.0155599	0.539498	0.332133	0.0576124	8.17E-09	-0.028745	0.047113	0.541777	0.265398	4	0.8813815
ENSG00000156990	3	RPUSD3	9879533	rs2290306	3	9885615	C	G	0.05666	0.00311167	0.0184157	0.865822	-0.760198	0.0776015	1.17E-22	-0.0040932	0.0242285	0.8658413	0.3069097	4	0.97475956
ENSG00000240288	3	GHRLOS	10327438	rs171407	3	10326169	A	G	0.552684	0.00458582	0.00809744	0.571169	0.666956	0.097172	6.71E-12	0.00687575	0.0121821	0.5724741	0.6629223	16	0.89127357
ENSG00000144559	3	TAMM41	11831916	rs6779025	3	11856570	G	A	0.425447	-0.0048992	0.00806713	0.543652	-0.504216	0.0715828	1.87E-12	0.00971641	0.0160587	0.5451421	0.2537796	16	0.8813815
ENSG00000075975	3	MKRN2	12598513	rs11708716	3	12700211	C	A	0.0785288	-0.005783	0.0167771	0.730323	0.710414	0.0990034	7.20E-13	-0.0081403	0.0236432	0.7306214	0.4534368	17	0.93606022
ENSG00000233121	3	VN1R20P	13968310	rs6775584	3	13925728	C	G	0.678926	0.00525626	0.00848187	0.535451	0.530582	0.0663538	1.28E-15	0.00990659	0.0160339	0.5366725	0.7436193	20	0.8813815
ENSG00000154781	3	CCDC174	14693271	rs7639522	3	14714860	G	A	0.349901	0.00489631	0.00820004	0.550436	0.818015	0.0713978	2.17E-30	0.0059856	0.0100379	0.5509756	0.6124879	16	0.88412409
ENSG00000224660	3	SH3BP5-AS1	15295691	rs60624122	3	15244225	T	C	0.134195	-0.0050799	0.0127101	0.6894	0.471063	0.0828133	1.28E-08	-0.0107838	0.0270483	0.6901224	0.585711	3	0.92403695
ENSG00000206562	3	METTL6	15422782	rs6807885	3	15431443	T	C	0.0487078	0.00227078	0.0213247	0.915197	-0.737289	0.125498	4.23E-09	-0.0030799	0.0289279	0.9152107	0.1624306	7	0.98076095
ENSG00000163576	3	EFHB	19920964	rs11128927	3	19988437	C	G	0.349901	-0.0006366	0.00833297	0.939106	1.11551	0.075168	8.05E-50	-0.0005707	0.0074702	0.9391072	4.83E-05	20	0.98751784
ENSG00000187118	3	CMC1	28283075	rs370517451	3	28283101	A	G	0.0139165	-0.0948876	0.0422266	0.0246337	-1.02828	0.186618	3.59E-08	0.092278	0.0443489	0.03745881	0.1041869	3	0.48016086
ENSG00000223899	3	SEC13P1	33075355	rs34173901	3	33087914	C	G	0.134195	-0.008413	0.0105124	0.423542	0.785861	0.135548	6.73E-09	-0.0107054	0.0135038	0.4279107	0.7742671	8	0.84621731
ENSG00000173705	3	SUSD5	33191537	rs6764459	3	33260422	T	C	0.121272	0.0110149	0.0100426	0.272721	0.505992	0.0856611	3.49E-09	0.0217689	0.0201866	0.2808622	0.5006682	3	0.76113949
ENSG00000236411	3	NDUFAF4P3	37831412	rs4679005	3	37832429	C	G	0.39165	0.00525684	0.0085552	0.53891	-0.634507	0.0890296	1.03E-12	-0.0082849	0.0135332	0.5404119	0.4769205	3	0.8813815
ENSG00000136059	3	VILL	38029550	rs9872804	3	38033462	T	C	0.187873	0.00578061	0.011068	0.601474	-0.666377	0.0759257	1.68E-18	-0.0086747	0.0166386	0.6021167	0.6958404	8	0.89572075
ENSG00000168032	3	ENTPD3	40428647	rs11712107	3	40329595	T	C	0.552684	0.014602	0.00811084	0.0718125	0.211822	0.0351018	1.59E-09	0.0689352	0.0399585	0.08449692	0.7747896	20	0.60963459
ENSG00000168038	3	ULK4	41288090	rs2371627	3	41839219	G	A	0.189861	0.00534326	0.0100185	0.593798	1.07281	0.0948055	1.09E-29	0.00498062	0.00934893	0.5942081	0.3925897	4	0.89572075
ENSG00000230084	3	RP4-613B23.1	42643455	rs3846059	3	42695313	A	G	0.140159	0.00283538	0.0127062	0.823419	0.62413	0.0913796	8.49E-12	0.00454293	0.0203691	0.8235119	0.4707455	14	0.96381146
ENSG00000181061	3	HIGD1A	42798669	rs73077220	3	42842340	C	T	0.215706	0.0276459	0.00914472	0.0025015	-0.621357	0.0595957	1.88E-25	-0.0444928	0.0153235	0.00368948	0.8338426	10	0.27320575
ENSG00000144647	3	POMGNT2	43120724	rs4683356	3	43153419	C	T	0.464215	-0.0014486	0.00826983	0.860948	0.295189	0.037851	6.25E-15	-0.0049074	0.0280224	0.8609832	0.08319553	18	0.97475956
ENSG00000144792	3	ZNF660	44619715	rs939649	3	44632212	T	G	0.899602	0.00131379	0.0142605	0.926596	-0.841865	0.105281	1.28E-15	-0.0015606	0.0169403	0.9266013	0.5651563	20	0.98372284
ENSG00000196653	3	ZNF502	44754135	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.586629	0.0849305	4.94E-12	-0.0457396	0.0178438	0.01036731	0.1539454	17	0.33027288
ENSG00000186446	3	ZNF501	44771088	rs56084453	3	44762830	G	A	0.224652	-0.0268322	0.00972019	0.00577205	0.455729	0.0723366	2.97E-10	-0.0588775	0.0232865	0.01145828	0.1293991	13	0.34601618
ENSG00000011376	3	LARS2	45429998	rs3821895	3	45587983	G	A	0.333002	-0.0074022	0.0096328	0.442229	-0.622365	0.0563846	2.51E-28	0.0118936	0.0155152	0.443331	0.1666786	20	0.8522258
ENSG00000144791	3	LIMD1	45596886	rs1962892	3	45712301	T	C	0.759443	0.00289119	0.00929843	0.755851	-0.381866	0.063249	1.57E-09	-0.0075712	0.0243823	0.7561643	0.5188263	5	0.93994618
ENSG00000163827	3	LRRC2	46556913	rs2018033	3	46604430	G	A	0.377734	0.00866049	0.00817272	0.289289	-0.339324	0.0497905	9.42E-12	-0.0255228	0.0243747	0.2950534	0.2643071	6	0.77270386
ENSG00000241186	3	TDGF1	46616045	rs6769392	3	46617719	A	G	0.270378	-0.021186	0.00870804	0.0149772	0.806044	0.0835201	4.87E-22	-0.0262839	0.0111414	0.0183185	0.536997	8	0.38205274
ENSG00000178038	3	ALS2CL	46710487	rs9847395	3	46724548	T	C	0.432406	-0.0044209	0.00807644	0.584117	0.315342	0.0504266	4.01E-10	-0.0140194	0.0257096	0.5855499	0.7491323	10	0.89271255
ENSG00000188086	3	PRSS45	46783582	rs57268847	3	46794745	T	A	0.149105	-0.0097795	0.0102912	0.341973	0.83502	0.123873	1.57E-11	-0.0117117	0.0124464	0.3467196	0.3428279	8	0.80555318
ENSG00000160801	3	PTH1R	46919236	rs114409151	3	47333651	G	A	0.0178926	-0.0043198	0.0275634	0.875464	1.31466	0.196495	2.22E-11	-0.0032859	0.0209719	0.8754981	0.9732908	4	0.97609174
ENSG00000114650	3	SCAP	47455203	rs12487736	3	47459679	T	C	0.590457	0.00419986	0.00824425	0.610451	-0.445852	0.0603225	1.46E-13	-0.0094199	0.0185349	0.6112968	0.4341581	20	0.89918729
ENSG00000164048	3	ZNF589	48282590	rs1045482	3	48312229	G	A	0.327038	-0.0248539	0.00963807	0.00991654	0.728	0.077927	9.45E-21	-0.03414	0.0137342	0.01292752	0.3892077	20	0.34810394
ENSG00000172113	3	NME6	48334754	rs6804986	3	48363595	G	A	0.285288	-0.0301919	0.0100102	0.00256035	-0.349129	0.0608011	9.35E-09	0.0864778	0.0323865	0.00758114	0.6429991	6	0.29082583
ENSG00000232112	3	TMA7	48481667	rs9826247	3	48497145	G	A	0.536779	-0.0017528	0.00820979	0.830939	0.270469	0.032872	1.90E-16	-0.0064805	0.0303641	0.8309949	0.1862403	12	0.96593994
ENSG00000213689	3	TREX1	48506445	rs11797	3	48508585	C	T	0.55666	-0.0041652	0.00825411	0.613827	0.559123	0.058729	1.73E-21	-0.0074495	0.0147833	0.6143235	0.1610845	14	0.89999199
ENSG00000213672	3	NCKIPSD	48701364	rs12493578	3	48730116	C	T	0.653082	-0.0278811	0.0084969	0.00103319	0.432078	0.0396065	1.04E-27	-0.0645279	0.0205355	0.00167648	0.2326122	20	0.24091354
ENSG00000178467	3	P4HTM	49027319	rs9840050	3	49133310	G	A	0.664016	-0.0287314	0.00854058	0.00076795	0.191763	0.0301743	2.08E-10	-0.149828	0.0503922	0.00294681	0.2218408	10	0.24408023
ENSG00000178252	3	WDR6	49044495	rs12497850	3	48748989	T	G	0.656064	-0.028948	0.0084896	0.00065007	-0.340685	0.0489556	3.43E-12	0.08497	0.0277498	0.0021986	0.4290402	20	0.24408023
ENSG00000177352	3	CCDC71	49199968	rs4499638	3	49202782	G	C	0.645129	-0.0323049	0.00856989	0.00016352	-0.389266	0.0672678	7.17E-09	0.0829893	0.0262745	0.00158558	0.03691689	10	0.24091354
ENSG00000233276	3	GPX1	49394609	rs6778080	3	49317338	C	T	0.756461	-0.024522	0.00988861	0.0131447	-0.332565	0.052713	2.81E-10	0.073736	0.0319489	0.02100263	0.4505542	12	0.39515446
ENSG00000145020	3	AMT	49454211	rs4855869	3	49488984	C	T	0.767396	-0.0169908	0.0100587	0.0911885	0.475802	0.0532687	4.18E-19	-0.0357098	0.0215152	0.09696547	0.03094814	20	0.62977339
ENSG00000226913	3	BSN-AS2	49586739	rs1050088	3	49570882	C	T	0.4334	0.0147228	0.00839448	0.0794529	-0.53278	0.086775	8.26E-10	-0.0276339	0.0163862	0.09171668	0.00184267	12	0.62509594
ENSG00000173540	3	GMPPB	49754277	rs62262675	3	49673662	G	A	0.16004	0.0233268	0.0130713	0.0743276	0.588916	0.0832175	1.47E-12	0.0396097	0.0228904	0.08355702	0.00412512	14	0.60963459
ENSG00000004534	3	RBM6	49977440	rs6446190	3	50052729	G	C	0.479125	-0.0013031	0.00807147	0.871744	0.410074	0.0412468	2.73E-23	-0.0031777	0.0196856	0.8717605	0.01627892	20	0.97609174
ENSG00000186792	3	HYAL3	50330262	rs13100173	3	50332697	A	G	0.463221	-0.0121255	0.00815568	0.137079	-0.577385	0.0513182	2.29E-29	0.0210007	0.014248	0.1404972	0.0010551	15	0.66222016
ENSG00000243477	3	NAT6	50333833	rs2236947	3	50371432	A	C	0.463221	-0.0125375	0.00815596	0.124239	0.289453	0.0406369	1.06E-12	-0.0433145	0.0288259	0.1329358	0.01100596	7	0.66222016
ENSG00000164088	3	PPM1M	52279841	rs56352611	3	52338590	C	T	0.104374	0.00758487	0.0166594	0.6489	0.748593	0.103417	4.53E-13	0.0101322	0.0222983	0.6495462	0.03269273	16	0.91384759
ENSG00000114841	3	DNAH1	52350335	rs498946	3	52434967	C	T	0.173956	-0.0098639	0.0134959	0.464853	-0.304248	0.0496593	8.97E-10	0.0324204	0.0446727	0.4680032	0.6542418	9	0.85681817
ENSG00000055955	3	ITIH4	52846991	rs7638524	3	52874861	A	G	0.265408	-0.038318	0.00915823	2.86E-05	0.560558	0.074729	6.32E-14	-0.0683569	0.0187073	0.00025816	0.00294566	16	0.18710479
ENSG00000242142	3	SERBP1P3	53098299	rs1864367	3	53111704	C	T	0.597416	0.00306764	0.00816143	0.707014	0.840246	0.0716625	9.49E-32	0.00365088	0.00971813	0.7071567	4.84E-05	20	0.92899263
ENSG00000163933	3	RFT1	53122499	rs2336723	3	53106047	C	T	0.59841	0.00298918	0.00816071	0.714149	-0.724471	0.0732405	4.52E-23	-0.004126	0.0112721	0.7143365	7.46E-05	20	0.93305022
ENSG00000163932	3	PRKCD	53190025	rs13319192	3	53193548	T	G	0.028827	0.0160858	0.0283491	0.570431	-0.620977	0.0846797	2.25E-13	-0.025904	0.0457889	0.5715791	0.5903039	16	0.89127357
ENSG00000113812	3	ACTR8	53901093	rs57398949	3	53933611	T	C	0.327038	0.00398289	0.0088333	0.652065	-0.500133	0.0652099	1.73E-14	-0.0079637	0.0176924	0.6526256	0.05865639	12	0.91384759
ENSG00000180376	3	CCDC66	56591189	rs6791987	3	56579538	T	C	0.410537	-0.0065528	0.00807779	0.417241	-0.392209	0.0552673	1.28E-12	0.0167075	0.0207298	0.4202612	0.2314535	20	0.83980935
ENSG00000168374	3	ARF4	57557090	rs6445918	3	57646329	G	T	0.807157	0.0199336	0.00971028	0.0400885	-0.417234	0.0600213	3.62E-12	-0.0477756	0.0242666	0.04897817	0.7960557	16	0.52867252
ENSG00000163686	3	ABHD6	58223233	rs4681668	3	58195711	A	G	0.364811	-0.0035172	0.00817117	0.666873	0.275063	0.0437515	3.24E-10	-0.012787	0.0297761	0.667605	0.3375137	10	0.91884947
ENSG00000168291	3	PDHB	58413357	rs6796069	3	58332508	T	C	0.363817	-0.0016114	0.0081854	0.843932	0.280836	0.0445731	2.97E-10	-0.005738	0.0291608	0.8440063	0.3616659	9	0.9729333
ENSG00000163634	3	THOC7	63819546	rs832190	3	63842629	T	C	0.60338	0.00819559	0.0083862	0.328435	0.311815	0.0459744	1.18E-11	0.0262835	0.0271726	0.3334035	0.9659374	15	0.79620366
ENSG00000144741	3	SLC25A26	66119285	rs146159281	3	66287056	A	G	0.341948	-0.0119615	0.00811514	0.140489	-0.675134	0.0588317	1.75E-30	0.0177172	0.0121188	0.1437513	0.7235325	20	0.66222016
ENSG00000163378	3	EOGT	69024365	rs6800465	3	69111488	T	A	0.544732	-0.0046595	0.00834002	0.576376	-0.272903	0.0447966	1.11E-09	0.0170736	0.0306886	0.5779709	0.00954268	10	0.89127357
ENSG00000172986	3	GXYLT2	72937224	rs1108154	3	73024609	T	A	0.590457	-0.0032441	0.00858514	0.705521	0.54812	0.0691498	2.25E-15	-0.0059187	0.0156807	0.7058393	0.2690291	15	0.92891875
ENSG00000244026	3	FAM86DP	75470703	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.26586	0.169613	8.44E-14	0.013569	0.0121791	0.2652262	0.6201961	8	0.74950452
ENSG00000272690	3	RP11-803B1.8	75484499	rs57416929	3	75421125	A	G	0.055666	-0.0171765	0.0152443	0.25985	-1.1254	0.181768	5.96E-10	0.0152626	0.0137682	0.2676279	0.5327558	7	0.75063857
ENSG00000243422	3	RP11-413E6.1	75673837	rs7429941	3	75867531	A	G	0.642147	-0.0050159	0.00893299	0.574454	-0.608439	0.096552	2.94E-10	0.0082439	0.01474	0.5759651	0.4851256	10	0.89127357
ENSG00000241622	3	RARRES2P1	75707685	rs7429941	3	75867531	A	G	0.642147	-0.0050159	0.00893299	0.574454	-0.514974	0.0796411	1.01E-10	0.00974012	0.0174118	0.5758895	0.8482549	11	0.89127357
ENSG00000227124	3	ZNF717	75758794	rs7634371	3	75886829	G	C	0.503976	-0.0034575	0.0081045	0.669663	-0.639975	0.0974383	5.10E-11	0.00540252	0.0126905	0.6703153	0.2962467	20	0.91884947
ENSG00000239519	3	CADM2-AS1	86041333	rs4266190	3	86159976	T	G	0.465209	-0.0059922	0.00814603	0.461973	0.81209	0.106018	1.86E-14	-0.0073788	0.0100771	0.4640266	0.4227537	20	0.85681817
ENSG00000163320	3	CGGBP1	88101094	rs7646112	3	88274030	C	G	0.117296	0.0102873	0.011447	0.368819	0.338627	0.0573611	3.56E-09	0.0303794	0.0341936	0.3742967	0.6522562	4	0.81805152
ENSG00000239445	3	ST3GAL6-AS1	98433174	rs13065271	3	98434493	T	C	0.461233	-0.0045804	0.00809109	0.571322	-0.858106	0.0833118	7.05E-25	0.00533783	0.00944324	0.5719013	0.8465336	16	0.89127357
ENSG00000114021	3	NIT2	100053545	rs13082297	3	100071070	C	G	0.348907	-0.0066056	0.00854824	0.439676	-0.639508	0.0591994	3.35E-27	0.0103291	0.0134011	0.4408428	0.9719743	19	0.8522258
ENSG00000206535	3	LNP1	100120037	rs7643442	3	100176360	A	G	0.71173	0.0054238	0.00891751	0.543041	-0.345508	0.0522105	3.65E-11	-0.015698	0.0259186	0.5447363	0.9158976	5	0.8813815
ENSG00000244119	3	PDCL3P4	101431316	rs3094295	3	101401995	C	T	0.328032	-0.0073446	0.00837716	0.380628	0.583768	0.0610644	1.18E-21	-0.0125814	0.0144104	0.3826217	0.183176	20	0.82149871
ENSG00000240057	3	RP11-572M11.4	112738379	rs2700201	3	112829442	A	G	0.388668	0.00826497	0.00808106	0.306423	-0.688182	0.0937635	2.14E-13	-0.0120099	0.0118561	0.3110743	0.9707399	12	0.78156035
ENSG00000072858	3	SIDT1	113251143	rs62265529	3	113322347	T	C	0.205765	0.00022192	0.00906084	0.98046	0.540876	0.0576153	6.13E-21	0.00041029	0.0167522	0.9804604	0.01521868	3	0.9914038
ENSG00000163389	3	POGLUT1	119187785	rs116524207	3	119206620	T	C	0.0725646	-0.0310745	0.0161451	0.0542663	0.855778	0.124128	5.41E-12	-0.0363114	0.0195874	0.06376546	0.2361993	9	0.57130238
ENSG00000173226	3	IQCB1	121488610	rs1141528	3	121507231	T	A	0.125249	-0.0116489	0.0125613	0.353737	1.05156	0.11803	5.14E-19	-0.0110777	0.0120099	0.35633	0.7740051	20	0.81588218
ENSG00000114030	3	KPNA1	122140796	rs4678191	3	122121238	G	T	0.444334	0.0109232	0.00806806	0.175773	0.186118	0.032048	6.34E-09	0.0586896	0.0445116	0.1873276	0.8750045	7	0.69004157
ENSG00000082684	3	SEMA5B	122628041	rs2276782	3	122631896	T	A	0.808151	0.00811335	0.00917034	0.376298	-0.520785	0.0705624	1.58E-13	-0.0155791	0.0177348	0.3797001	0.4004297	6	0.8205763
ENSG00000221955	3	SLC12A8	124801480	rs2945114	3	124846408	C	A	0.166004	0.0014991	0.0103495	0.884831	-0.548358	0.083001	3.93E-11	-0.0027338	0.0188782	0.8848587	0.2537113	4	0.97615419
ENSG00000144909	3	OSBPL11	125247702	rs2976762	3	125431673	T	A	0.166998	0.00209184	0.0141136	0.882173	0.367946	0.0674751	4.95E-08	0.00568518	0.038372	0.8822167	0.2722859	7	0.97615419
ENSG00000241288	3	RP11-379B18.5	125546081	rs2947689	3	125546187	A	G	0.837972	-0.0123689	0.00952047	0.193879	-0.566261	0.0895137	2.52E-10	0.0218431	0.0171638	0.2031499	0.9240961	7	0.70391756
ENSG00000171084	3	FAM86JP	125635463	rs12495005	3	125636177	C	T	0.168986	-0.017924	0.0141968	0.206753	1.2586	0.0981716	1.26E-37	-0.0142412	0.0113344	0.2089492	0.2516699	20	0.70391756
ENSG00000189366	3	ALG1L	125648118	rs3804587	3	125737621	T	C	0.279324	0.0172232	0.00881986	0.0508464	-0.956772	0.0921887	3.11E-25	-0.0180014	0.00938011	0.0549718	0.4816498	20	0.55142992
ENSG00000241439	3	RP11-666A20.3	125677399	rs11925047	3	125698944	A	G	0.280318	0.0167024	0.00882893	0.0585208	-0.86731	0.0990553	2.03E-18	-0.0192577	0.0104146	0.06444149	0.6554718	20	0.57130238
ENSG00000114547	3	ROPN1B	125687987	rs6790101	3	125706012	A	G	0.397614	0.0140959	0.00821756	0.086282	-0.63018	0.0650423	3.37E-22	-0.0223681	0.0132428	0.09120573	0.582578	20	0.62509594
ENSG00000070476	3	ZXDC	126156444	rs777507	3	126179492	A	G	0.668986	0.0108591	0.00839789	0.195986	0.492496	0.0599204	2.05E-16	0.0220491	0.0172614	0.201474	0.2485342	20	0.70391756
ENSG00000159685	3	CHCHD6	126423063	rs113706892	3	126679121	C	G	0.0506958	-0.0069231	0.0195899	0.723786	0.580864	0.0830589	2.68E-12	-0.0119187	0.0337685	0.7241239	0.1936325	3	0.93452063
ENSG00000187715	3	KBTBD12	127634075	rs73860717	3	127624215	T	C	0.0596421	0.0540183	0.0314817	0.0861866	-1.16075	0.166	2.70E-12	-0.0465374	0.0279265	0.09562877	0.3728047	4	0.62977339
ENSG00000132394	3	EEFSEC	127872297	rs2999049	3	127878817	C	T	0.263419	-0.0048585	0.00883477	0.582369	-0.506156	0.0659384	1.64E-14	0.00959882	0.0174994	0.5833324	0.3171516	14	0.89127357
ENSG00000242551	3	POU5F1P6	128393578	rs6775270	3	128403498	G	A	0.637177	-0.0040881	0.00834766	0.624325	-0.561743	0.0969826	6.95E-09	0.00727751	0.0149133	0.6255585	0.2581503	7	0.90354774
ENSG00000261159	3	RP11-723O4.9	128578559	rs1683817	3	128651536	A	G	0.189861	-0.0118916	0.010463	0.255728	0.778728	0.101339	1.54E-14	-0.0152705	0.0135822	0.2608825	0.2704428	18	0.74447118
ENSG00000231305	3	RP11-723O4.2	128580156	rs2933343	3	128658492	A	G	0.188867	-0.0119092	0.0104693	0.255313	0.795153	0.109954	4.77E-13	-0.0149772	0.0133283	0.2611325	0.06714944	13	0.74447118
ENSG00000172780	3	RAB43	128806412	rs76323886	3	128757315	A	T	0.0129225	0.0507229	0.0299086	0.0899001	1.03567	0.165038	3.49E-10	0.0489759	0.0299145	0.1015895	0.1702164	13	0.63021019
ENSG00000270773	3	RP13-685P2.7	129064254	rs9852014	3	129084581	G	A	0.0745527	0.0105246	0.014864	0.478911	1.35165	0.155807	4.13E-18	0.00778648	0.0110335	0.4803666	0.9280323	12	0.86281461
ENSG00000163913	3	IFT122	129158968	rs12631122	3	129119518	G	A	0.168986	0.0202512	0.0152781	0.185003	-0.578864	0.0671505	6.67E-18	-0.0349844	0.0267034	0.1901593	0.6476478	20	0.69088256
ENSG00000249846	3	RP11-77P16.4	129831393	rs6809980	3	129847462	A	G	0.415507	-0.010916	0.00828326	0.187559	0.713108	0.0811696	1.56E-18	-0.0153076	0.0117457	0.1924867	0.2514558	14	0.6923312
ENSG00000228252	3	COL6A4P2	129931666	rs112577058	3	129818750	G	T	0.475149	-0.0128147	0.00810168	0.113709	-0.823286	0.0925806	5.97E-19	0.0155653	0.00999512	0.1194014	0.2540042	19	0.65064785
ENSG00000014257	3	ACPP	132036211	rs35164802	3	132044301	C	G	0.0467197	-0.0166634	0.0131343	0.204552	1.21137	0.211585	1.03E-08	-0.0137558	0.0111055	0.2154767	0.9512315	4	0.7109941
ENSG00000113971	3	NPHP3	132276986	rs77344670	3	132436314	A	T	0.21173	-0.0013062	0.0099786	0.895856	-0.692855	0.0687564	6.99E-24	0.00188521	0.0144034	0.8958646	0.9851608	8	0.97900309
ENSG00000260633	3	RP11-375I20.6	134066130	rs3821705	3	134077001	A	G	0.606362	-0.0050081	0.00828544	0.545546	-0.894701	0.0932631	8.53E-22	0.00559753	0.00927893	0.546341	0.5620141	14	0.8813815
ENSG00000129055	3	ANAPC13	134196548	rs7371896	3	134249769	G	C	0.689861	-0.0003214	0.00901526	0.971561	0.28447	0.0491078	6.92E-09	-0.0011298	0.031692	0.9715611	0.4507131	7	0.98965412
ENSG00000114054	3	PCCB	135969148	rs711972	3	136110018	T	C	0.469185	-0.0184046	0.00810829	0.0232172	0.372293	0.0631	3.63E-09	-0.0494358	0.0233355	0.03413427	0.6738987	16	0.47071558
ENSG00000261758	3	RP11-102M11.2	136471472	rs12488721	3	135992645	C	T	0.447316	-0.0205872	0.00810993	0.0111324	0.518012	0.0751332	5.40E-12	-0.0397427	0.0166833	0.01721053	0.6056246	19	0.38205274
ENSG00000273486	3	RP11-731C17.2	136556180	rs7627443	3	136584220	C	G	0.659046	0.00288714	0.00873064	0.740879	0.592141	0.086344	6.99E-12	0.00487576	0.0147613	0.7411682	0.1160144	11	0.93606022
ENSG00000181322	3	NME9	137980279	rs9289556	3	138033181	T	C	0.704771	0.00251696	0.00890045	0.777338	0.612985	0.0741318	1.35E-16	0.00410607	0.0145283	0.7774643	0.8173105	11	0.95093618
ENSG00000158234	3	FAIM	138327448	rs654528	3	138332613	T	C	0.528827	-0.0113165	0.00834651	0.17515	0.323894	0.0562869	8.70E-09	-0.0349389	0.0264749	0.1869358	0.9124494	9	0.68947441
ENSG00000114125	3	RNF7	141457046	rs75428511	3	141498467	G	A	0.0536779	0.00021522	0.0239932	0.992843	0.788822	0.138962	1.37E-08	0.00027284	0.0304165	0.9928429	0.9374545	8	0.99666195
ENSG00000071794	3	HLTF	148747914	rs3772569	3	148736576	A	C	0.37674	0.00113823	0.00816529	0.889135	0.377332	0.0548613	6.07E-12	0.00301652	0.021644	0.8891578	0.00879509	15	0.97750036
ENSG00000114744	3	COMMD2	149456257	rs1851374	3	149475412	G	C	0.421471	0.0183294	0.0082927	0.0270844	0.400623	0.0564291	1.25E-12	0.0457522	0.0216795	0.03482438	0.1519506	13	0.47330374
ENSG00000243321	3	snoU13	149795281	rs56198011	3	149797925	T	C	0.317097	0.0168637	0.00869025	0.0523142	-0.613641	0.0736458	7.93E-17	-0.0274814	0.0145408	0.05876416	0.1755816	13	0.56038585
ENSG00000144895	3	EIF2A	150264465	rs2868946	3	150306490	C	T	0.856859	-0.013474	0.010995	0.2204	0.98798	0.0725731	3.33E-42	-0.0136379	0.0111738	0.2222637	0.3656829	20	0.72348534
ENSG00000244515	3	KRT18P34	156880452	rs3935750	3	156888484	A	T	0.256461	-0.0166153	0.0105981	0.116937	-0.64517	0.0857811	5.43E-14	0.0257534	0.0167799	0.1248395	0.1033798	16	0.65409865
ENSG00000241770	3	RP11-555M1.3	156881241	rs10513510	3	157070816	C	T	0.265408	-0.0182231	0.0104207	0.080336	-0.592728	0.0959791	6.59E-10	0.0307445	0.0182722	0.09245599	0.02359942	11	0.62509594
ENSG00000174891	3	RSRC1	157823644	rs12492884	3	158252566	G	A	0.233598	-0.0118168	0.00910439	0.194315	-0.2861	0.0463906	6.95E-10	0.041303	0.0325195	0.2040488	0.3102583	13	0.70391756
ENSG00000079257	3	LXN	158363611	rs16829365	3	158447129	A	G	0.39662	0.0215739	0.00887131	0.0150207	0.621676	0.0826688	5.47E-14	0.0347028	0.0149976	0.02067371	0.2070036	20	0.39171951
ENSG00000118849	3	RARRES1	158414681	rs4680458	3	158442154	G	A	0.308151	-0.0081461	0.00884073	0.356828	0.688107	0.0997532	5.27E-12	-0.0118384	0.012962	0.3610768	0.1421276	9	0.81680835
ENSG00000240207	3	RP11-379F4.4	158450052	rs61794821	3	158460936	G	A	0.220676	0.0197886	0.0103114	0.0549731	0.793481	0.0780595	2.84E-24	0.024939	0.0132247	0.05932379	0.201196	20	0.56175527
ENSG00000271778	3	RP11-379F4.8	158500336	rs6441225	3	158470321	G	A	0.360835	0.00312117	0.00820458	0.703636	0.472096	0.0785045	1.81E-09	0.0066113	0.0174138	0.7041985	0.1748812	6	0.92891875
ENSG00000206120	3	EGFEM1P	167967310	rs7611996	3	168577819	A	C	0.39662	0.00621138	0.00859375	0.469816	-0.668105	0.0935903	9.43E-13	-0.009297	0.0129286	0.4720779	0.8398179	16	0.85748987
ENSG00000239219	3	RP11-379K17.4	169657141	rs9836316	3	169684433	A	G	0.146123	-0.0031074	0.00984406	0.752258	1.02393	0.117382	2.71E-18	-0.0030348	0.00962029	0.7524155	0.8737565	20	0.93994618
ENSG00000171109	3	MFN1	179065480	rs12634184	3	179124814	T	G	0.23161	-0.0199294	0.01072	0.0630159	-0.348801	0.0587966	2.99E-09	0.0571369	0.0322077	0.07606079	0.02371776	3	0.59145965
ENSG00000241231	3	RP11-275H4.1	181138846	rs9820600	3	181197074	A	C	0.694831	0.024619	0.00870788	0.00469559	0.933168	0.0740089	1.89E-36	0.0263822	0.00956323	0.00580299	0.1597211	20	0.29082583
ENSG00000240024	3	LINC00888	183165396	rs6793734	3	183156499	C	G	0.263419	0.00668202	0.00920746	0.468011	-0.294494	0.0499196	3.65E-09	-0.0226898	0.031501	0.4713474	0.2557447	7	0.85733378
ENSG00000114796	3	KLHL24	183353356	rs2293031	3	183368891	T	C	0.271372	-0.009745	0.00952114	0.306066	-0.281924	0.04762	3.21E-09	0.0345661	0.034273	0.31319	0.3238287	3	0.78298316
ENSG00000233885	3	YEATS2-AS1	183524245	rs263014	3	183500702	C	G	0.470179	0.00407045	0.00840563	0.628207	0.535816	0.0572995	8.67E-21	0.00759673	0.0157086	0.6286664	0.7349543	20	0.90357159
ENSG00000114770	3	ABCC5	183637722	rs3792585	3	183646222	G	A	0.479125	0.0125087	0.00813778	0.124264	0.206712	0.0319361	9.63E-11	0.0605127	0.0404626	0.1347781	0.5975384	16	0.66222016
ENSG00000145198	3	VWA5B2	183948217	rs706584	3	183960252	C	A	0.225646	0.0054935	0.0102288	0.591224	-0.626742	0.0626967	1.58E-23	-0.0087652	0.0163441	0.5917591	0.5892361	20	0.89572075
ENSG00000145194	3	ECE2	183967438	rs56172794	3	184001146	T	C	0.530815	0.00249554	0.00805989	0.756847	-0.424295	0.0567273	7.46E-14	-0.0058816	0.0190122	0.757048	0.3409143	6	0.93994618
ENSG00000175166	3	PSMD2	184016497	rs55748802	3	184036894	T	C	0.470179	0.0100145	0.00814274	0.218745	-0.194472	0.0334892	6.36E-09	-0.0514958	0.0427998	0.2289066	0.54374	5	0.7305783
ENSG00000156931	3	VPS8	184529931	rs62286929	3	184524492	G	A	0.055666	0.00299175	0.0230759	0.896844	0.738989	0.107314	5.73E-12	0.00404844	0.0312318	0.8968629	0.3140921	20	0.97900309
ENSG00000187068	3	C3orf70	184795838	rs7624642	3	184561541	G	A	0.0914513	-0.0203119	0.013152	0.122494	-0.403965	0.0706732	1.09E-08	0.0502813	0.0337247	0.1359789	0.8210482	5	0.66222016
ENSG00000113889	3	KNG1	186435065	rs13095338	3	186435583	C	T	0.324056	-0.001252	0.00862034	0.884519	-0.778257	0.0819248	2.11E-21	0.00160877	0.0110778	0.8845328	0.6381213	12	0.97615419
ENSG00000225764	3	LEPREL1-AS1	189838753	rs3106811	3	189860439	T	C	0.752485	-0.0077991	0.00918597	0.395868	-0.76578	0.0952053	8.73E-16	0.0101845	0.0120622	0.3984831	0.00511112	10	0.82273105
ENSG00000236297	3	RP11-175P19.2	193296601	rs13064790	3	193303535	A	G	0.431412	0.0118995	0.0080595	0.139823	0.625445	0.0897762	3.24E-12	0.0190257	0.0131722	0.1486332	0.2002008	11	0.66222016
ENSG00000230102	3	RP11-407B7.1	193723226	rs9874421	3	193730859	G	A	0.677932	0.00270077	0.00959215	0.77828	0.576586	0.0842923	7.90E-12	0.00468407	0.0166502	0.7784633	0.348618	6	0.95093618
ENSG00000233058	3	LINC00884	194208183	rs77424920	3	194191221	A	G	0.0198807	0.0560636	0.0567575	0.323263	0.702759	0.121027	6.37E-09	0.0797764	0.081924	0.3301632	0.5855552	3	0.79102737
ENSG00000231770	3	TMEM44-AS1	194304740	rs6765455	3	194308970	A	G	0.110338	0.00879476	0.0135427	0.516074	0.549504	0.0947273	6.60E-09	0.0160049	0.0247993	0.5186822	0.08914072	4	0.87684118
ENSG00000041802	3	LSG1	194361517	rs3821403	3	194369580	A	C	0.163022	0.00854817	0.0109511	0.435053	0.804214	0.0923598	3.11E-18	0.0106292	0.0136718	0.4368882	0.3372143	10	0.8522258
ENSG00000114331	3	ACAP2	194995465	rs6437374	3	195076877	G	C	0.634195	-0.0153826	0.00830922	0.0641313	-0.521289	0.0495442	6.86E-26	0.0295088	0.0161846	0.06826372	0.04545982	19	0.57396564
ENSG00000224769	3	AC069213.1	195341818	rs9886992	3	195335265	G	A	0.470179	0.00908881	0.0081097	0.262401	0.865285	0.0923058	6.98E-21	0.0105038	0.00943903	0.2657908	0.30607	20	0.7495404
ENSG00000271662	3	RP11-141C7.3	195377017	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.639629	0.0976314	5.70E-11	0.0149414	0.0128593	0.2452709	0.9459283	20	0.73450129
ENSG00000229178	3	AC069513.4	195382436	rs6768928	3	195329888	G	A	0.328032	-0.0076577	0.00929046	0.409793	-0.79562	0.0909573	2.19E-18	0.00962485	0.0117287	0.4118622	0.8043607	20	0.83495701
ENSG00000215837	3	SDHAP2	195384967	rs6785037	3	195661089	A	C	0.454274	0.00955694	0.00809479	0.23775	0.70091	0.0918898	2.39E-14	0.013635	0.0116865	0.2433173	0.8231812	20	0.73450129

ENSG00000176945	3	MUC20	195447753	rs11926771	3	195656731	A	C	0.187873	0.00929126	0.0099394	0.349896	0.886258	0.117164	3.90E-14	0.0104837	0.0113003	0.3535458	0.565432	20	0.81343593
ENSG00000145113	3	MUC4	195473636	rs4927680	3	195659169	G	A	0.362823	0.00833932	0.00831144	0.31569	0.545621	0.0876714	4.86E-10	0.0152841	0.0154297	0.3218988	0.768482	14	0.78475979
ENSG00000231443	3	AC024937.6	195664114	rs9829723	3	195646776	A	G	0.224652	-0.0106279	0.00961389	0.268953	-0.640895	0.0994695	1.17E-10	0.0165829	0.0152199	0.2759102	0.5446535	9	0.75744666
ENSG00000185485	3	SDHAP1	195686619	rs2246901	3	195489009	A	C	0.714712	-4.51E-06	0.00876667	0.999589	0.470058	0.0834104	1.75E-08	-9.60E-06	0.0186502	0.9995893	0.6987977	19	0.9995893
ENSG00000231464	3	AC024937.4	195723609	rs4927683	3	195663411	C	G	0.286282	0.00914363	0.00894193	0.306517	0.847866	0.114848	1.55E-13	0.0107843	0.0106471	0.3111144	0.5269187	20	0.78156035
ENSG00000161217	3	PCYT1A	195941093	rs884534	3	195964298	G	A	0.742545	-0.0273877	0.00862422	0.00149493	0.46011	0.070578	7.07E-11	-0.0595242	0.0208494	0.00430429	0.00179212	9	0.28555348
ENSG00000163964	3	PIGX	196366646	rs114705154	3	196437439	A	T	0.232604	-0.0121101	0.0109832	0.270201	0.434898	0.0576741	4.68E-14	-0.0278458	0.0255232	0.2752726	0.3309641	9	0.75641258
ENSG00000119227	3	PIGZ	196673214	rs745738	3	196676158	C	T	0.304175	-0.0064179	0.0094225	0.495791	0.563008	0.0550014	1.36E-24	-0.0113993	0.016773	0.4967425	0.6586072	10	0.86791667
ENSG00000272989	3	RP13-616I3.1	197232133	rs62282495	3	197224372	T	G	0.308151	0.0115462	0.0088545	0.192237	0.526675	0.0903427	5.55E-09	0.0219228	0.0172275	0.203179	0.6784702	6	0.70391756
ENSG00000214135	3	AC024560.3	197305084	rs78664998	3	197321272	A	G	0.0854871	0.0105847	0.0167901	0.528425	0.585456	0.0990898	3.46E-09	0.0180794	0.0288415	0.5307543	0.2881178	10	0.8813815
ENSG00000114473	3	IQCG	197615946	rs145348918	3	197600841	G	A	0.111332	-0.0031228	0.0131157	0.811808	0.701004	0.116577	1.82E-09	-0.0044547	0.0187245	0.8119522	0.4306895	4	0.96203978
ENSG00000226435	3	ANKRD18DP	197780393	rs6767695	3	197819088	A	G	0.446322	0.00850121	0.00815478	0.297189	0.369079	0.0546799	1.48E-11	0.0230336	0.0223569	0.3028849	0.07124248	10	0.77657782
ENSG00000250312	4	ZNF718	124386	rs7678326	4	166811	T	A	0.455268	-0.0095533	0.00812549	0.239707	0.752124	0.0720982	1.77E-25	-0.0127018	0.0108718	0.2426764	0.7204446	20	0.73450129
ENSG00000250892	4	RP11-1365D11.1	195198	rs7678326	4	166811	T	A	0.455268	-0.0095533	0.00812549	0.239707	0.628486	0.0983458	1.65E-10	-0.0152005	0.0131457	0.247553	0.3828117	6	0.73450129
ENSG00000251188	4	RP11-478C6.6	262771	rs142550206	4	263236	C	T	0.0149105	0.00867514	0.0277842	0.754863	-0.936249	0.166737	1.96E-08	-0.0092659	0.0297219	0.7552296	0.2478426	3	0.93994618
ENSG00000182903	4	ZNF721	419604	rs1961498	4	385915	A	G	0.349901	0.00300993	0.00820123	0.713612	-0.3381	0.0562313	1.82E-09	-0.0089025	0.024302	0.7141205	0.9294594	9	0.93305022
ENSG00000242686	4	RP11-1191J2.2	646639	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	-1.13722	0.0911291	9.69E-36	0.00705758	0.00967712	0.4658145	0.4415007	20	0.85681817
ENSG00000169026	4	MFSD7	675618	rs73058406	4	655881	G	C	0.135189	-0.008026	0.0109862	0.46505	0.623278	0.104387	2.36E-09	-0.0128771	0.0177579	0.4683619	0.2504775	18	0.85681817
ENSG00000145214	4	DGKQ	952675	rs111344337	4	967335	T	G	0.559642	0.012345	0.00838998	0.141185	-0.281911	0.0442695	1.91E-10	-0.0437904	0.0305452	0.151679	0.05193611	19	0.66340051
ENSG00000145217	4	SLC26A1	972861	rs3822020	4	985727	G	A	0.641153	0.00503833	0.00910452	0.579997	-0.631304	0.0737483	1.13E-17	-0.0079808	0.0144519	0.5807873	0.1096158	16	0.89127357
ENSG00000178222	4	RNF212	1050038	rs62296477	4	1107478	C	T	0.76839	0.00478344	0.00928817	0.606551	0.720224	0.124113	6.51E-09	0.0066416	0.0129469	0.6079602	0.8769137	3	0.89830613
ENSG00000159674	4	SPON2	1160720	rs12508446	4	1198957	T	C	0.435388	-0.0082	0.00812201	0.312688	-0.404371	0.0672084	1.78E-09	0.0202783	0.0203664	0.319407	0.5935611	13	0.78475979
ENSG00000163945	4	UVSSA	1341054	rs9996817	4	1377615	G	A	0.705765	-0.0204523	0.00899245	0.022943	-0.313097	0.0564756	2.96E-08	0.0653226	0.0310439	0.0353613	0.2259555	8	0.4768019
ENSG00000179979	4	CRIPAK	1385340	rs111391498	4	1341553	G	A	0.0417495	-0.0171643	0.0242319	0.478737	1.92082	0.182307	5.88E-26	-0.0089359	0.0126439	0.4797283	0.4217933	20	0.86220232
ENSG00000013810	4	TACC3	1723227	rs798720	4	1698224	C	T	0.183897	0.00220861	0.0134	0.869085	-0.669482	0.0897624	8.76E-14	-0.003299	0.0200204	0.869116	0.7439946	10	0.97609174
ENSG00000125388	4	GRK4	2965335	rs3021142	4	2977016	G	C	0.375746	0.00594937	0.00814137	0.464927	-0.395319	0.0650145	1.20E-09	-0.0150495	0.0207426	0.4681227	0.2635932	3	0.85681817
ENSG00000109758	4	HGFAC	3443614	rs1055711	4	3433782	A	T	0.247515	0.00145541	0.00880434	0.868703	0.372254	0.0597436	4.64E-10	0.00390972	0.0236598	0.8687489	0.7065679	8	0.97609174
ENSG00000261643	4	RP11-529E10.6	3505324	rs3468	4	3505448	A	G	0.348907	0.0109854	0.00806661	0.173251	-0.406948	0.0588495	4.68E-12	-0.0269946	0.020203	0.1814933	0.9012217	6	0.6842715
ENSG00000163956	4	LRPAP1	3508103	rs11729369	4	3509962	C	A	0.22167	-0.0039654	0.0108249	0.714126	0.522055	0.0585699	4.95E-19	-0.0075957	0.0207527	0.7143567	0.7317553	20	0.93305022
ENSG00000251580	4	RP11-539L10.3	6672452	rs1133576	4	6675421	T	C	0.162028	-0.005512	0.0112756	0.624952	-0.696175	0.103404	1.67E-11	0.00791755	0.0162391	0.6258618	0.6775821	15	0.90354774
ENSG00000251615	4	RP11-774O3.3	8356817	rs12508944	4	8363987	T	A	0.208748	0.00755851	0.010149	0.45642	0.594823	0.0797318	8.63E-14	0.0127072	0.017147	0.4586506	0.6239165	11	0.85681817
ENSG00000155275	4	TRMT44	8437867	rs2631749	4	8461517	C	T	0.476143	1.49E-05	0.00806691	0.998528	0.364076	0.0515959	1.71E-12	4.09E-05	0.0221572	0.998528	0.1581753	20	0.99887256
ENSG00000205959	4	RP11-689P11.2	8483997	rs1543246	4	8504909	T	A	0.641153	0.00135686	0.00827715	0.869787	-0.366261	0.0505447	4.28E-13	-0.0037046	0.0226048	0.8698205	0.1659269	20	0.97609174
ENSG00000237765	4	FAM200B	15683285	rs6815254	4	15692058	C	T	0.287276	-0.0092578	0.0093285	0.320992	-0.468297	0.0579713	6.58E-16	0.0197691	0.0200698	0.3246159	0.4589349	10	0.78543469
ENSG00000249506	4	ZEB2P1	16362309	rs7673302	4	16411757	A	G	0.26839	-0.0082691	0.00899659	0.358026	1.25366	0.122494	1.39E-24	-0.0065959	0.00720514	0.3599563	0.7492177	12	0.81588218
ENSG00000118579	4	MED28	17616254	rs4334752	4	17615430	T	C	0.625249	-0.0063284	0.00853853	0.458596	0.366565	0.0554159	3.72E-11	-0.0172641	0.0234391	0.4613945	0.2593439	11	0.85681817
ENSG00000163138	4	PACRGL	20697905	rs2322687	4	20741823	G	T	0.519881	-0.0008492	0.00820855	0.917603	-0.491113	0.0726756	1.40E-11	0.00172915	0.0167161	0.9176124	0.7000688	20	0.9811959
ENSG00000249948	4	GBA3	22694537	rs28548658	4	22785112	G	C	0.16004	-0.0061451	0.0126618	0.627443	1.03969	0.108158	7.07E-22	-0.0059105	0.0121939	0.6278814	0.6576471	17	0.90357159
ENSG00000053900	4	ANAPC4	25378835	rs9654100	4	25397695	T	G	0.550696	0.0118828	0.00829953	0.152217	-0.473115	0.0633137	7.87E-14	-0.0251161	0.0178614	0.1596749	0.2355111	20	0.67732719
ENSG00000240005	4	RP11-293A21.1	26861428	rs9790789	4	26861656	C	A	0.527833	-0.0022498	0.00817705	0.78321	-0.959279	0.0854512	3.04E-29	0.00234532	0.00852672	0.7832734	0.366349	20	0.95287855
ENSG00000169299	4	PGM2	37828255	rs12512677	4	37817932	G	C	0.604374	-0.0007842	0.00852531	0.92671	-0.379593	0.0494742	1.69E-14	0.0020659	0.0224607	0.9267151	0.9675785	20	0.98372284
ENSG00000231160	4	RP11-617D20.1	38614322	rs337626	4	38631477	C	T	0.126243	-0.01627	0.0116587	0.16286	-0.650988	0.0876936	1.14E-13	0.0249928	0.0182229	0.170219	0.8110158	6	0.68081994
ENSG00000134962	4	KLB	39408473	rs17510142	4	39455742	A	G	0.202783	-0.0076235	0.00969772	0.431802	-0.960213	0.106934	2.72E-19	0.00793937	0.0101382	0.4335588	0.5701223	20	0.85025809
ENSG00000163682	4	RPL9	39455744	rs2125313	4	39458051	G	A	0.67992	0.000294	0.00844844	0.97224	-0.672264	0.0471692	4.34E-46	-0.0004373	0.0125672	0.9722397	0.6179877	20	0.9899975
ENSG00000224097	4	RP11-472B18.1	39481875	rs11940979	4	39477017	A	G	0.348907	-0.0049929	0.00822192	0.543675	0.519887	0.0824064	2.81E-10	-0.0096038	0.0158879	0.5455308	0.7960506	7	0.8813815
ENSG00000177752	4	YIPF7	44624086	rs1898864	4	44630548	C	T	0.389662	-0.0009939	0.00851046	0.907028	0.598891	0.10109	3.14E-09	-0.0016596	0.0142131	0.9070462	0.03685199	15	0.98043565
ENSG00000151806	4	GUF1	44680444	rs62305383	4	44708086	C	G	0.244533	-0.0203289	0.0105671	0.0543814	-0.880713	0.080901	1.34E-27	0.0230823	0.0121843	0.05816681	0.5611768	17	0.5596292
ENSG00000163281	4	GNPDA2	44684217	rs62305368	4	44673826	C	T	0.244533	-0.0205483	0.0105638	0.0517547	0.568005	0.0699986	4.88E-16	-0.0361763	0.019125	0.05854785	0.3631566	18	0.56016573
ENSG00000170448	4	NFXL1	47849257	rs6826122	4	47916346	G	C	0.977137	-0.0956639	0.0387364	0.013526	-1.46569	0.23159	2.47E-10	0.0652688	0.0283697	0.02141103	0.976471	4	0.39720879
ENSG00000198515	4	CNGA1	47937994	rs321645	4	48008920	G	A	0.239563	0.00337932	0.0108055	0.754479	0.865027	0.106829	5.62E-16	0.00390661	0.0125008	0.7546547	0.8679401	14	0.93994618
ENSG00000248184	4	RP11-231C18.1	55199059	rs17084178	4	55202157	G	T	0.411531	0.008897	0.00815714	0.275404	0.548087	0.0924336	3.04E-09	0.0162328	0.0151326	0.2834039	0.5212939	4	0.76420011
ENSG00000196503	4	ARL9	57371509	rs10866437	4	57508168	G	A	0.494036	0.0190746	0.00818599	0.0197984	-0.40897	0.0670046	1.04E-09	-0.0466406	0.0214251	0.02948739	0.6649762	7	0.43439631
ENSG00000269949	4	RP11-738E22.3	57827093	rs66619445	4	57811308	C	A	0.289264	0.00213512	0.00978438	0.82726	-0.749205	0.124859	1.97E-09	-0.0028499	0.0130683	0.8273722	0.08679359	14	0.96460169
ENSG00000163453	4	IGFBP7	57896939	rs10015212	4	57950623	G	A	0.751491	-0.000566	0.00951259	0.952555	0.319465	0.0407807	4.74E-15	-0.0017717	0.0297775	0.952556	0.2378528	20	0.98751784
ENSG00000156140	4	ADAMTS3	73146686	rs1518492	4	73433875	A	G	0.586481	0.00859067	0.00804892	0.285833	-0.276524	0.0461756	2.12E-09	-0.0310666	0.0295662	0.2933736	0.4455776	16	0.77217832
ENSG00000251185	4	RP11-542G1.1	76194278	rs13120698	4	76272640	A	G	0.552684	0.00624545	0.00805692	0.438242	0.631888	0.102629	7.41E-10	0.00988379	0.0128512	0.4418372	0.5143669	11	0.8522258
ENSG00000174792	4	C4orf26	76481258	rs72647457	4	76467081	A	G	0.222664	0.00103049	0.00959806	0.9145	-0.632126	0.114774	3.64E-08	-0.0016302	0.0151867	0.9145161	0.6748807	7	0.98076095
ENSG00000138769	4	CDKL2	76503215	rs10033564	4	76636255	G	A	0.570577	-0.0048192	0.00841653	0.566928	-0.198911	0.0351764	1.56E-08	0.0242277	0.0425294	0.5689025	0.7606992	5	0.89127357
ENSG00000138744	4	NAAA	76831809	rs11931349	4	76860040	A	G	0.425447	-0.0094024	0.00811079	0.246354	0.715099	0.0807599	8.40E-19	-0.0131484	0.011439	0.2503743	0.1982979	19	0.73465091
ENSG00000189157	4	FAM47E	77135193	rs6823078	4	77196848	G	A	0.409543	-0.0022825	0.00812465	0.778757	-0.591552	0.0603202	1.05E-22	0.00385856	0.0137401	0.7788447	0.6068505	20	0.95093618
ENSG00000163749	4	CCDC158	77234154	rs62303278	4	77342948	A	G	0.254473	0.00503516	0.00948492	0.595515	0.51481	0.0831276	5.90E-10	0.00978062	0.0184917	0.596861	0.4420223	11	0.89572075
ENSG00000138767	4	CNOT6L	78634541	rs11097900	4	78625435	A	G	0.863817	-0.0082254	0.0106546	0.440111	0.38918	0.0662166	4.17E-09	-0.0211352	0.0276122	0.4440152	0.3007714	11	0.8522258
ENSG00000163291	4	PAQR3	79808281	rs6534087	4	79859824	C	A	0.826044	-0.0057871	0.0104029	0.57801	-0.296722	0.0541895	4.36E-08	0.0195034	0.0352399	0.579958	0.3240817	3	0.89127357
ENSG00000251022	4	THAP9-AS1	83814162	rs13111599	4	83917037	G	A	0.739563	0.0186176	0.00930736	0.0454663	0.586387	0.0532475	3.33E-28	0.0317497	0.0161321	0.04905585	0.7001792	17	0.52867252
ENSG00000213608	4	SLC25A14P1	84398677	rs6535473	4	84364808	C	T	0.485089	0.00834985	0.00804956	0.299593	0.581409	0.0978623	2.83E-09	0.0143614	0.0140544	0.3068534	0.5107965	11	0.77791801
ENSG00000180769	4	WDFY3-AS2	85887538	rs7675324	4	85942613	A	G	0.357853	-0.0081329	0.00897155	0.364662	0.229363	0.0330665	4.02E-12	-0.0354586	0.0394477	0.3687192	0.05685822	14	0.81680835
ENSG00000273389	4	RP13-514E23.2	86921480	rs12503695	4	86925463	C	G	0.224652	0.0080106	0.00945897	0.397063	0.907668	0.0884506	1.05E-24	0.00882547	0.0104566	0.3986641	0.6434407	6	0.82273105
ENSG00000109339	4	MAPK10	86936276	rs10002407	4	86943714	T	G	0.193837	0.0101931	0.0118587	0.39004	0.177609	0.0309912	9.99E-09	0.0573907	0.0675154	0.3953037	0.662509	5	0.82273105
ENSG00000170509	4	HSD17B13	88224941	rs13130041	4	88229139	T	C	0.251491	-0.0055553	0.00973486	0.568227	0.970149	0.115822	5.47E-17	-0.0057263	0.0100577	0.5691222	0.8895391	11	0.89127357
ENSG00000152583	4	SPARCL1	88394487	rs10020902	4	88422886	T	G	0.121272	-0.0004762	0.0132632	0.971362	-0.340089	0.0620192	4.17E-08	0.0014001	0.039	0.9713621	0.5517268	9	0.98965412
ENSG00000029559	4	IBSP	88720733	rs1054629	4	88732918	T	A	0.329026	0.00845425	0.00848743	0.319206	0.67918	0.0894272	3.08E-14	0.0124477	0.0126036	0.3233327	0.4407366	14	0.78504313
ENSG00000118762	4	PKD2	88928820	rs7655182	4	88905903	A	G	0.348907	0.0131349	0.00820235	0.109297	-0.272773	0.0484882	1.85E-08	-0.0481532	0.0312648	0.1235181	0.5248561	13	0.65256807
ENSG00000246375	4	RP11-10L7.1	89206094	rs9637599	4	89206230	C	A	0.523857	-0.0136033	0.00818547	0.0965362	0.997715	0.08662	1.07E-30	-0.0136345	0.00828917	0.1000005	0.2470357	18	0.63021019
ENSG00000138722	4	MMRN1	90800683	rs76707913	4	90835226	C	T	0.0377734	0.00933161	0.0240819	0.69839	1.62047	0.202941	1.41E-15	0.00575858	0.0148785	0.6987271	0.9934681	20	0.92790191
ENSG00000109270	4	LAMTOR3	100799493	rs11097679	4	100785395	T	A	0.256461	0.00487559	0.00929149	0.599766	-0.369661	0.0438169	3.27E-17	-0.0131894	0.0251837	0.6004698	0.8236328	20	0.89572075
ENSG00000248161	4	RP11-499E18.1	103339759	rs4382038	4	103300181	T	A	0.295229	0.00817794	0.0098213	0.405029	-0.652073	0.0898567	3.96E-13	-0.0125414	0.0151605	0.4080977	0.2335869	9	0.8313951
ENSG00000138777	4	PPA2	106290234	rs12643660	4	106386760	G	T	0.363817	0.00611891	0.00818609	0.454776	-0.309934	0.0494272	3.60E-10	-0.0197426	0.0265994	0.457953	0.4047966	12	0.85681817
ENSG00000249465	4	RBMXP4	110267482	rs60879426	4	110257063	C	G	0.0467197	0.00243686	0.018918	0.897507	-1.14596	0.179426	1.69E-10	-0.0021265	0.0165118	0.8975274	0.9860741	5	0.97900309
ENSG00000109534	4	GAR1	110736666	rs10365	4	110745854	G	C	0.647117	-0.0110425	0.00819385	0.177768	0.619725	0.0636417	2.08E-22	-0.0178184	0.0133478	0.1818981	0.07970797	20	0.6842715
ENSG00000180245	4	RRH	110749150	rs7657133	4	110765372	G	A	0.848907	-0.0201449	0.0105433	0.0560467	0.821748	0.136073	1.55E-09	-0.0245147	0.0134572	0.06850366	0.2017448	5	0.57396564
ENSG00000138658	4	C4orf21	113460492	rs11730442	4	113362463	C	T	0.150099	0.0291267	0.0117501	0.0131807	0.488686	0.0795178	7.97E-10	0.0596021	0.0259265	0.02151148	0.9303485	6	0.39720879
ENSG00000234841	4	RP11-119H12.4	113747463	rs6829775	4	113719791	C	T	0.342942	0.00879687	0.0083626	0.292832	0.619903	0.101741	1.11E-09	0.0141907	0.0136897	0.2999248	0.00252153	5	0.77657782
ENSG00000269893	4	SNHG8	119199864	rs6847359	4	119025764	C	T	0.259443	0.0138154	0.00901474	0.125389	-0.410628	0.0653723	3.36E-10	-0.0336446	0.0225975	0.1365238	0.1088066	14	0.66222016
ENSG00000260404	4	RP11-384K6.6	119512928	rs35183273	4	119556590	G	A	0.384692	0.00685484	0.00809054	0.396847	-0.476762	0.0551626	5.48E-18	-0.0143779	0.0170511	0.3991032	0.04594011	20	0.82273105
ENSG00000250412	4	KLHL2P1	120255484	rs6847075	4	120286043	T	A	0.285288	-0.0124284	0.00920162	0.176801	0.758914	0.0978441	8.74E-15	-0.0163766	0.0123072	0.183304	0.4470784	10	0.68478134
ENSG00000249244	4	RP11-548H18.2	120312986	rs6847075	4	120286043	T	A	0.285288	-0.0124284	0.00920162	0.176801	0.759188	0.0875927	4.43E-18	-0.0163706	0.0122666	0.182018	0.6369362	9	0.6842715
ENSG00000245958	4	RP11-33B1.1	120375946	rs6849171	4	120409549	A	G	0.285288	-0.0147836	0.00932503	0.112883	-1.01689	0.0872348	2.12E-31	0.0145381	0.00925457	0.1162045	0.8382948	8	0.64624497
ENSG00000164111	4	ANXA5	122589110	rs13109053	4	122599447	A	G	0.312127	0.00512921	0.00900707	0.56904	-0.375586	0.0396452	2.70E-21	-0.0136566	0.0240247	0.569737	0.3070436	20	0.89127357
ENSG00000138686	4	BBS7	122745595	rs13127488	4	122830800	G	A	0.308151	0.0107866	0.00829631	0.193545	0.229978	0.0356432	1.10E-10	0.0469027	0.0367995	0.2024688	0.820383	13	0.70391756
ENSG00000151470	4	C4orf33	130014472	rs1757929	4	130022200	G	A	0.636183	-0.0013004	0.00843327	0.877457	-0.502969	0.0689747	3.05E-13	0.00258535	0.0167707	0.8774848	0.9821715	20	0.97615419
ENSG00000251372	4	LINC00499	139230865	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.940966	0.0842085	5.45E-29	-0.0100066	0.0151416	0.508699	0.5163674	10	0.87138801
ENSG00000249381	4	LINC00500	139346677	rs4863780	4	139230820	A	C	0.121272	-0.0094158	0.0142228	0.507955	0.841555	0.120376	2.73E-12	-0.0111886	0.0169762	0.5098475	0.6410045	7	0.87138801
ENSG00000183090	4	FREM3	144498455	rs4835636	4	144561547	T	C	0.473161	0.00982444	0.00806943	0.223418	0.273612	0.0403745	1.23E-11	0.0359065	0.0299644	0.2307986	0.08531288	5	0.73204064
ENSG00000246448	4	RP13-578N3.3	144621410	rs4342150	4	144796354	G	T	0.468191	-0.0044637	0.0080814	0.580714	-0.570278	0.0889221	1.42E-10	0.00782724	0.0142234	0.58211	0.09643391	16	0.89127357
ENSG00000251600	4	RP11-673E1.1	144833484	rs1912742	4	144914893	G	A	0.650099	-0.0020558	0.00849003	0.808667	0.811937	0.0855679	2.34E-21	-0.002532	0.0104599	0.8087287	0.9996812	14	0.9606919
ENSG00000059691	4	PET112	152591656	rs3919716	4	152456387	G	A	0.496024	-0.0005431	0.00805737	0.946258	-0.24993	0.0402827	5.49E-10	0.00217308	0.0322404	0.9462613	0.5989991	13	0.98751784
ENSG00000250538	4	RP11-92A5.2	156127681	rs35440820	4	156084560	T	G	0.0675944	0.0245638	0.0145515	0.0914008	1.25324	0.181083	4.49E-12	0.0196002	0.0119515	0.1010091	0.1287345	5	0.63021019
ENSG00000151790	4	TDO2	156775890	rs7684396	4	156786401	A	G	0.861829	-0.0020907	0.0120921	0.862729	0.516449	0.0748753	5.29E-12	-0.0040483	0.0234213	0.8627723	0.5431815	12	0.97475956
ENSG00000164125	4	FAM198B	159045626	rs112495463	4	159084652	T	C	0.112326	0.00864686	0.0118333	0.46495	-0.465016	0.0824889	1.73E-08	-0.0185948	0.02566	0.4686606	0.4366172	7	0.85681817
ENSG00000248429	4	RP11-597D13.9	159091904	rs6830702	4	159076826	T	C	0.848907	-0.0141207	0.0111053	0.203539	0.952641	0.0964598	5.29E-23	-0.0148227	0.0117536	0.2072661	0.6745786	18	0.70391756
ENSG00000171503	4	ETFDH	159593277	rs28869308	4	159543237	C	T	0.130219	-0.0182266	0.015288	0.233178	-0.478964	0.0733315	6.51E-11	0.0380542	0.0324463	0.2408609	0.4869253	3	0.73450129
ENSG00000273449	4	RP11-218F10.3	164450923	rs2028487	4	164414182	C	G	0.584493	-0.0052369	0.00846272	0.536035	-0.657485	0.0871239	4.47E-14	0.00796505	0.0129146	0.5373997	0.5863123	14	0.8813815
ENSG00000250486	4	FAM218A	165878100	rs11936657	4	165910944	C	T	0.285288	-0.0191201	0.010201	0.060885	0.48643	0.0809488	1.87E-09	-0.039307	0.0219676	0.07356437	0.6288591	7	0.58550756
ENSG00000164106	4	SCRG1	174305852	rs4695836	4	174331821	A	G	0.447316	0.0001869	0.00819035	0.981794	0.513035	0.0526659	2.01E-22	0.0003643	0.0159645	0.9817945	0.6999395	11	0.99240664
ENSG00000248174	4	RP11-148L24.1	175015811	rs75632645	4	175040059	C	T	0.105368	0.017567	0.0137513	0.201435	1.41251	0.140206	7.16E-24	0.0124367	0.00981332	0.2050369	0.6805646	9	0.70391756
ENSG00000249106	4	RP11-806K15.1	176711458	rs78640136	4	176721419	G	A	0.0447316	0.0536789	0.0178709	0.0026671	-1.03974	0.18884	3.67E-08	-0.0516272	0.0195792	0.00836813	0.1707306	5	0.29082583
ENSG00000164122	4	ASB5	177134824	rs2046262	4	177150925	G	A	0.472167	-0.0017563	0.00807472	0.827813	0.455783	0.0825932	3.42E-08	-0.0038534	0.0177299	0.8279446	0.8672778	4	0.96460169
ENSG00000038002	4	AGA	178351924	rs11131799	4	178363378	A	G	0.653082	-0.0050482	0.00825646	0.540919	0.587444	0.0591633	3.11E-23	-0.0085935	0.0140815	0.5416841	0.5377613	9	0.8813815
ENSG00000248197	4	LINC00290	181985242	rs10049849	4	182079957	C	T	0.582505	0.00802293	0.00808398	0.320979	0.523597	0.0919994	1.26E-08	0.0153227	0.0156723	0.3282255	0.6081597	9	0.78833946
ENSG00000129187	4	DCTD	183811213	rs76611930	4	183840957	T	C	0.0487078	-0.0202679	0.0198126	0.306318	0.727256	0.13194	3.55E-08	-0.027869	0.0277082	0.3145094	0.05395834	3	0.78450316
ENSG00000271538	4	RP11-326I11.4	185427614	rs6552789	4	185460372	C	T	0.662028	-0.0039505	0.00825526	0.632266	-0.578655	0.0792567	2.86E-13	0.006827	0.0142969	0.6329945	0.2887779	4	0.90754256
ENSG00000164306	4	PRIMPOL	185570767	rs10034861	4	185577450	T	C	0.122266	-0.0094158	0.0118163	0.425541	0.540841	0.0939208	8.49E-09	-0.0174095	0.0220562	0.4299214	0.4993026	7	0.84842896
ENSG00000164323	4	KIAA1430	186080819	rs4862516	4	186090020	A	T	0.481113	-0.0034343	0.008108	0.671882	-0.270261	0.0403184	2.04E-11	0.0127073	0.0300605	0.6724968	0.0287928	20	0.91917408
ENSG00000109771	4	LRP2BP	186285032	rs6815168	4	186325429	C	T	0.0984095	-0.0008579	0.0181194	0.962239	-0.833389	0.105995	3.77E-15	0.00102935	0.0217422	0.9622395	0.3304487	10	0.98751784
ENSG00000109775	4	UFSP2	186320694	rs2289720	4	186347055	A	G	0.710736	-0.0167689	0.0095778	0.0799779	0.750014	0.0761035	6.51E-23	-0.0223581	0.0129701	0.08474071	0.6994495	9	0.60963459
ENSG00000168491	4	CCDC110	186366336	rs9999033	4	186391323	A	G	0.193837	-0.0010601	0.0103919	0.918745	0.455386	0.0678734	1.95E-11	-0.002328	0.0228226	0.9187541	0.1971113	7	0.9811959
ENSG00000109794	4	FAM149A	187025573	rs4861705	4	187099852	A	G	0.593439	-0.0025811	0.00805107	0.748524	0.47039	0.0575467	2.98E-16	-0.005487	0.0171289	0.7487118	0.1843796	14	0.93730503
ENSG00000250327	4	RP11-173M11.2	187079050	rs4862649	4	187071358	G	C	0.49006	0.0010357	0.00810073	0.898265	0.490526	0.0876354	2.18E-08	0.00211141	0.0165187	0.8982919	0.3399064	7	0.97900309
ENSG00000145476	4	CYP4V2	187112674	rs2292426	4	187120753	G	A	0.673956	-0.0077475	0.00868372	0.37229	-0.319214	0.0444714	7.08E-13	0.0242707	0.0274128	0.3759527	0.1288387	4	0.81823339
ENSG00000088926	4	F11	187187099	rs3822055	4	187179678	C	T	0.829026	-0.0009081	0.0107343	0.932579	-0.734445	0.119531	8.03E-10	0.00123648	0.0146169	0.9325852	0.877371	3	0.98634239
ENSG00000245685	4	AF146191.4	190701490	rs4145516	4	190862511	A	G	0.321074	-0.0164968	0.00872874	0.0587665	0.776832	0.12284	2.55E-10	-0.021236	0.0117274	0.07017107	0.7581133	20	0.5772258
ENSG00000164366	5	CCDC127	196986	rs13474	5	205077	C	G	0.148111	0.0123714	0.010352	0.232058	0.522242	0.0810481	1.17E-10	0.023689	0.0201603	0.2399807	0.992911	12	0.73450129
ENSG00000063438	5	AHRR	304291	rs9654453	5	299621	C	T	0.104374	-0.0181632	0.0140843	0.197186	0.730697	0.0980287	9.06E-14	-0.0248574	0.0195615	0.2038254	0.9315764	20	0.70391756
ENSG00000221990	5	C5orf55	441645	rs10078	5	438102	T	G	0.784294	0.00073806	0.0113182	0.948007	0.607701	0.0781067	7.23E-15	0.00121451	0.0186253	0.9480088	0.01134269	20	0.98751784
ENSG00000180104	5	EXOC3	443273	rs957791	5	430217	T	C	0.468191	0.0210534	0.00810507	0.00938901	-0.624972	0.0661421	3.42E-21	-0.0336869	0.0134498	0.01225756	0.6009998	20	0.34722554
ENSG00000225138	5	CTD-2228K2.7	473351	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	1.14021	0.0930594	1.63E-34	0.0029374	0.00779869	0.7064317	0.2107782	20	0.92891875
ENSG00000066230	5	SLC9A3	473425	rs2434696	5	466458	C	T	0.636183	0.00334925	0.00888794	0.7063	0.876228	0.0840087	1.80E-25	0.00382235	0.01015	0.7064819	0.2314159	20	0.92891875
ENSG00000272347	5	RP11-43F13.4	1005154	rs11743637	5	1028918	A	G	0.467197	0.0035689	0.0081502	0.661465	-0.586841	0.089523	5.56E-11	-0.0060816	0.0139192	0.6621713	0.3470667	20	0.91859148
ENSG00000145506	5	NKD2	1008944	rs10045604	5	1028683	T	C	0.474155	0.00631006	0.00811428	0.436776	-0.450594	0.0656173	6.56E-12	-0.0140039	0.0181231	0.4396941	0.1507639	20	0.8522258
ENSG00000188002	5	RP11-43F13.1	1599035	rs11955318	5	1600771	G	A	0.367793	-0.0040779	0.00836605	0.625948	-1.17135	0.0835115	1.08E-44	0.00348139	0.00714654	0.6261564	0.6188472	20	0.90354774
ENSG00000250490	5	CTD-2324F15.2	6310554	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	0.529843	0.0858974	6.90E-10	0.00473293	0.0152159	0.7557616	0.03107649	12	0.93994618
ENSG00000133398	5	MED10	6371994	rs4592	5	6372248	A	G	0.497018	0.00250771	0.00805179	0.755461	-0.286115	0.0470227	1.17E-09	-0.0087647	0.0281786	0.75577	0.04176083	7	0.93994618
ENSG00000037474	5	NSUN2	6599352	rs2303707	5	6605532	A	C	0.672962	0.00058952	0.00813808	0.942252	-0.884569	0.0638604	1.24E-43	-0.0006664	0.00920018	0.9422529	0.422435	20	0.98751784
ENSG00000250060	5	RP11-332J15.2	6868672	rs275430	5	6870971	G	A	0.617296	0.0129709	0.00883638	0.14213	0.635077	0.0946504	1.95E-11	0.0204241	0.0142429	0.1515773	0.6620611	7	0.66340051
ENSG00000124275	5	MTRR	7851299	rs1801394	5	7870973	G	A	0.522863	0.00482533	0.00816481	0.554526	-0.497391	0.0589625	3.29E-17	-0.0097013	0.0164555	0.555495	0.5384215	18	0.88769249
ENSG00000250786	5	SNHG18	9546312	rs59758866	5	9546372	G	C	0.300199	-0.0004098	0.0098573	0.966837	-0.604881	0.0751317	8.22E-16	0.00067753	0.0162965	0.9668376	0.8107315	7	0.98936188
ENSG00000271980	5	CTD-2256P15.4	10264709	rs3843011	5	10275870	C	G	0.693837	-0.0050805	0.00861857	0.555534	0.704084	0.107412	5.56E-11	-0.0072158	0.0122902	0.5571251	0.9239176	10	0.8881112
ENSG00000112977	5	DAP	10679342	rs11740244	5	10761009	G	C	0.709742	-0.009476	0.00908752	0.297066	-0.249377	0.0426238	4.90E-09	0.0379986	0.0370151	0.3046237	0.3943217	4	0.77675425
ENSG00000251423	5	CTB-51A17.1	13860447	rs10053458	5	13898513	A	G	0.201789	0.00035178	0.011491	0.975578	0.539492	0.0728442	1.30E-13	0.00065206	0.0212998	0.9755778	0.4379131	11	0.99106084
ENSG00000248150	5	RP1-167G20.1	16373470	rs17650129	5	16487330	T	G	0.270378	0.0220694	0.00964496	0.0221269	0.748498	0.106135	1.76E-12	0.0294849	0.013547	0.02951917	0.9703653	12	0.43439631
ENSG00000271892	5	CTD-2228A4.1	17107469	rs632754	5	17145142	A	G	0.34493	-0.0007489	0.00880559	0.932227	0.761433	0.0702401	2.21E-27	-0.0009835	0.0115649	0.932229	0.6124009	19	0.98634239
ENSG00000248455	5	RP11-321E2.3	17404128	rs17626779	5	17404430	C	G	0.242545	0.00595186	0.0096271	0.536418	-0.537977	0.0663885	5.34E-16	-0.0110634	0.017947	0.5375984	0.5527906	6	0.8813815
ENSG00000249937	5	RP11-454P21.1	17684693	rs971715	5	17803067	A	G	0.251491	-0.0006104	0.00887682	0.945177	0.66968	0.106918	3.76E-10	-0.0009115	0.0132561	0.9451802	0.9554368	14	0.98751784
ENSG00000183666	5	GUSBP1	21341942	rs71604255	5	21460237	A	G	0.139165	-0.0237948	0.0139341	0.0876981	1.6373	0.175819	1.25E-20	-0.014533	0.00865232	0.09302351	0.327295	20	0.62509594
ENSG00000272130	5	RP11-360I2.1	21569864	rs74363156	5	21556910	T	C	0.170974	-0.0200903	0.010468	0.0549579	1.16228	0.131386	9.05E-19	-0.0172853	0.00921595	0.06071312	0.3494438	20	0.56204041
ENSG00000249572	5	CTD-2203K17.1	33424131	rs78347783	5	33454328	A	G	0.252485	0.00864471	0.00967895	0.371779	-0.803914	0.111929	6.85E-13	-0.0107533	0.0121325	0.3754457	0.3202967	4	0.81823339
ENSG00000242110	5	AMACR	33986283	rs10941112	5	34004707	T	C	0.503976	-0.0141563	0.00810468	0.0806938	0.846921	0.0586532	2.92E-47	-0.016715	0.00963934	0.08291074	0.508916	20	0.60944745
ENSG00000082196	5	C1QTNF3	34019553	rs253201	5	34013260	C	G	0.141153	0.00962427	0.0112474	0.392171	0.483289	0.0874038	3.21E-08	0.0199141	0.0235496	0.3977633	0.9352501	6	0.82273105
ENSG00000168724	5	DNAJC21	34929698	rs6898640	5	34979441	T	C	0.220676	0.00086123	0.00934232	0.926551	0.388166	0.0668718	6.45E-09	0.00221871	0.0240709	0.9265598	0.547942	5	0.98372284
ENSG00000152582	5	SPEF2	35617946	rs10941257	5	35708044	A	G	0.677932	0.00349841	0.00872714	0.688519	-0.426693	0.0483761	1.14E-18	-0.0081989	0.0204741	0.6888235	0.4393079	20	0.92403695
ENSG00000172244	5	C5orf34	43486803	rs13360902	5	43557405	C	G	0.488072	-0.0141407	0.00810754	0.0811353	0.348702	0.0634732	3.94E-08	-0.0405524	0.0243943	0.0964378	0.1912284	5	0.62977339
ENSG00000247796	5	CTD-2366F13.1	52405672	rs62359378	5	52414791	A	G	0.324056	0.00720601	0.00858943	0.401503	0.514899	0.0709366	3.91E-13	0.013995	0.0167928	0.4046241	0.00809167	4	0.82722515

ENSG00000152669	5	CCNO	54526980	rs334877	5	54518687	C	T	0.114314	0.0224576	0.0116738	0.0543839	-0.6007	0.0742439	5.92E-16	-0.0373857	0.0199754	0.06126415	0.09436694	20	0.56204041
ENSG00000177058	5	SLC38A9	54921673	rs73127619	5	54951690	C	T	0.0178926	0.024968	0.0299757	0.404877	-0.908208	0.151055	1.83E-09	-0.0274915	0.0333205	0.4093366	0.9951773	8	0.83183077
ENSG00000155542	5	SETD9	56205087	rs185220	5	56205357	G	A	0.837972	-0.0059765	0.0106623	0.575119	0.969244	0.081567	1.45E-32	-0.0061661	0.0110129	0.5755457	0.1013949	20	0.89127357
ENSG00000152931	5	PART1	59783540	rs79433168	5	59811324	T	C	0.0228628	0.00027105	0.0507828	0.995741	0.716103	0.0886929	6.81E-16	0.00037851	0.0709155	0.9957413	0.5563823	20	0.99849672
ENSG00000123219	5	CENPK	64813593	rs72764486	5	64964978	A	G	0.318091	0.00166866	0.0086701	0.847381	0.645678	0.0936918	5.52E-12	0.00258435	0.0134331	0.8474395	0.9232005	4	0.97334672
ENSG00000113593	5	PPWD1	64859063	rs6896398	5	64832460	A	T	0.61829	-0.0160357	0.00805233	0.0464333	0.379812	0.0598551	2.22E-10	-0.0422201	0.0222204	0.05742482	0.05219153	14	0.5596292
ENSG00000253203	5	GUSBP3	68790040	rs111743460	5	68929183	G	C	0.568588	0.00940679	0.00870377	0.279799	-0.667076	0.0846267	3.21E-15	-0.0141015	0.0131697	0.2842799	0.5660449	4	0.76436273
ENSG00000226259	5	GTF2H2B	69711179	rs10058698	5	70670771	C	A	0.636183	-0.0136879	0.00860533	0.111693	-0.904461	0.0982118	3.28E-20	0.0151338	0.00965519	0.117016	0.0048433	6	0.64624497
ENSG00000172058	5	SERF1A	70196492	rs71576934	5	69343570	T	G	0.688867	0.00801845	0.0107217	0.454536	-0.997705	0.102417	2.00E-22	-0.0080369	0.010778	0.4558626	0.02390562	6	0.85681817
ENSG00000145736	5	GTF2H2	70330784	rs6453406	5	70681217	T	C	0.678926	-0.0200862	0.00913209	0.0278407	-0.844984	0.110581	2.15E-14	0.0237711	0.0112462	0.03454128	0.06786045	4	0.47233571
ENSG00000230847	5	RP11-195E2.1	70370052	rs13168712	5	70679626	A	G	0.614314	-0.0087372	0.00868987	0.31468	-0.634266	0.0907931	2.83E-12	0.0137753	0.0138418	0.3196414	0.1072304	3	0.78475979
ENSG00000131711	5	MAP1B	71403061	rs72761109	5	71506529	T	C	0.311133	0.014635	0.00901952	0.104676	0.229749	0.0381316	1.69E-09	0.0637	0.0406568	0.117168	0.9815176	4	0.64624497
ENSG00000113048	5	MRPS27	71515236	rs6831	5	71515616	G	A	0.65507	0.00454141	0.00814031	0.576918	-0.446495	0.044985	3.23E-23	-0.0101712	0.0182604	0.577519	0.2724215	11	0.89127357
ENSG00000164338	5	UTP15	72861268	rs343112	5	72880699	T	C	0.218688	-0.0177075	0.00929611	0.0568015	-0.578197	0.084115	6.25E-12	0.0306254	0.0166836	0.06640912	0.841338	7	0.57158494
ENSG00000049860	5	HEXB	73935848	rs820843	5	73968469	T	C	0.724652	-0.0141073	0.00997705	0.157369	-0.276682	0.0504563	4.17E-08	0.0509874	0.0372391	0.1709402	0.6262316	6	0.68081994
ENSG00000164346	5	NSA2	74062817	rs6870806	5	74067536	C	G	0.138171	-0.0151823	0.0126002	0.228233	1.32909	0.0990039	4.34E-41	-0.0114231	0.00951843	0.2301001	0.2811911	17	0.73131069
ENSG00000122012	5	SV2C	75378997	rs10050813	5	75380244	A	C	0.204771	-0.0011888	0.0103687	0.908719	0.408823	0.0712681	9.67E-09	-0.0029079	0.0253674	0.9087377	0.3248584	8	0.98043565
ENSG00000164251	5	F2RL1	76114758	rs2242995	5	76115665	C	G	0.516899	0.0167116	0.00814258	0.0401338	-0.587874	0.0746061	3.28E-15	-0.0284272	0.014313	0.0470214	0.9432756	20	0.51923614
ENSG00000164253	5	WDR41	76721795	rs3797632	5	76729409	G	A	0.0666004	-0.0085585	0.0150943	0.570713	0.818051	0.130349	3.48E-10	-0.0104621	0.0185267	0.5722755	0.712052	8	0.89127357
ENSG00000113273	5	ARSB	78073032	rs3098680	5	78153246	A	T	0.632207	-0.0028681	0.00847864	0.735159	-0.530951	0.0702526	4.10E-14	0.00540178	0.0159848	0.7354137	0.899141	9	0.93606022
ENSG00000145692	5	BHMT	78407602	rs7700970	5	78411324	T	C	0.317097	-0.0072496	0.00932296	0.436802	-0.53986	0.0795229	1.13E-11	0.0134286	0.0173821	0.4397873	0.9325173	7	0.8522258
ENSG00000228716	5	DHFR	79922047	rs1650706	5	79942199	C	T	0.247515	0.0113918	0.0104573	0.275995	-0.960662	0.0894339	6.49E-27	-0.0118583	0.0109414	0.2784516	0.6283325	20	0.76030335
ENSG00000247572	5	CKMT2-AS1	80499903	rs10474656	5	80573669	A	G	0.183897	-0.0137219	0.0100849	0.173626	0.941584	0.105079	3.22E-19	-0.0145732	0.0108333	0.1785547	0.4836206	10	0.68323261
ENSG00000248794	5	CTD-2248H3.1	80538149	rs4704712	5	80544322	C	T	0.193837	-0.0113524	0.00988687	0.250875	0.948719	0.121832	6.86E-15	-0.011966	0.010534	0.2559786	0.2183291	12	0.73986237
ENSG00000152348	5	ATG10	81267844	rs111549985	5	81268070	G	C	0.229622	0.00537576	0.00978825	0.582864	0.948261	0.100995	6.05E-21	0.00566907	0.01034	0.5835077	0.3431142	20	0.89127357
ENSG00000186468	5	RPS23	81569177	rs111772743	5	81569088	T	C	0.298211	0.00481835	0.00872486	0.580772	-0.777577	0.0660031	4.90E-32	-0.0061966	0.0112329	0.5811885	0.585058	20	0.89127357
ENSG00000205464	5	ATP6AP1L	81575281	rs6870335	5	81590070	T	A	0.298211	0.00567532	0.00871423	0.514872	0.821586	0.077352	2.37E-26	0.00690776	0.0106265	0.5156602	0.6172326	20	0.87574629
ENSG00000249664	5	CTD-2227C6.2	82308104	rs2075685	5	82372665	T	G	0.461233	0.00295002	0.008075	0.714867	0.783505	0.0991921	2.81E-15	0.00376516	0.0103173	0.7151581	0.00204994	20	0.93305022
ENSG00000174695	5	TMEM167A	82348665	rs27363	5	82336762	C	T	0.395626	-0.0026897	0.00814777	0.74131	-0.262719	0.0433729	1.38E-09	0.010238	0.0310593	0.74168	0.04674462	6	0.93606022
ENSG00000247828	5	TMEM161B-AS1	87564712	rs78909929	5	87639971	G	A	0.257455	0.0215781	0.00893427	0.0157264	0.691556	0.0665487	2.70E-25	0.0312022	0.0132634	0.01864752	0.1559755	17	0.38412367
ENSG00000271904	5	CTC-498M16.4	87729709	rs6884773	5	87715465	G	A	0.262425	-0.0105513	0.0101796	0.299961	0.636675	0.0905878	2.09E-12	-0.0165725	0.0161616	0.3051637	0.00029706	20	0.77675425
ENSG00000243806	5	CTC-484P3.1	94161666	rs152286	5	94193334	A	G	0.890656	0.00867352	0.0106707	0.416313	-0.936582	0.108649	6.68E-18	-0.0092608	0.0114438	0.4183739	0.9077406	20	0.83980935
ENSG00000153113	5	CAST	95860971	rs4267886	5	95997266	C	T	0.151093	0.0144531	0.0116838	0.216078	0.378783	0.0584699	9.28E-11	0.0381567	0.0314029	0.2243405	0.4515696	6	0.72423509
ENSG00000164307	5	ERAP1	96096521	rs27039	5	96114550	A	G	0.588469	-0.0118796	0.00809662	0.142312	-0.586469	0.0721966	4.54E-16	0.0202561	0.0140291	0.1487766	0.2390737	20	0.66222016
ENSG00000164308	5	ERAP2	96211643	rs2927608	5	96252432	A	G	0.426441	-0.0050424	0.00809512	0.533353	1.05762	0.0680676	1.93E-54	-0.0047677	0.00766024	0.5336821	0.1319912	20	0.8813815
ENSG00000173930	5	SLCO4C1	101569690	rs6895200	5	101726463	G	A	0.653082	-0.0184146	0.00893999	0.0394167	0.36654	0.0659664	2.75E-08	-0.050239	0.0260122	0.0534378	0.2228191	8	0.54356555
ENSG00000175749	5	EIF3KP1	102368080	rs158402	5	102415525	A	G	0.275348	0.00268613	0.00860882	0.755024	0.756663	0.119664	2.56E-10	0.00354997	0.0113912	0.755313	0.3361666	17	0.93994618
ENSG00000112874	5	NUDT12	102884556	rs71586376	5	102900033	G	A	0.16501	-0.0024019	0.0121623	0.843447	-0.625741	0.0856431	2.74E-13	0.00383847	0.0194437	0.8435033	0.7350137	3	0.9729333
ENSG00000153037	5	SRP19	112196919	rs173466	5	112251430	C	T	0.373757	-0.0056972	0.00860197	0.507771	-0.21996	0.036744	2.15E-09	0.025901	0.0393456	0.5103483	0.958738	20	0.87138801
ENSG00000164241	5	C5orf63	126378250	rs9327430	5	126461134	A	T	0.461233	-0.0050897	0.00808658	0.529086	-0.484809	0.0709104	8.09E-12	0.0104984	0.0167505	0.5308219	0.4851171	8	0.8813815
ENSG00000245937	5	CTC-228N24.3	127276118	rs17764954	5	127514436	T	A	0.191849	-0.0017836	0.00973327	0.854607	0.380715	0.0643665	3.32E-09	-0.0046848	0.025578	0.8546758	0.803929	4	0.97447565
ENSG00000113396	5	SLC27A6	127873706	rs6859755	5	128330723	T	C	0.685885	-0.0011005	0.00923174	0.90511	0.578143	0.102287	1.58E-08	-0.0019035	0.0159715	0.9051313	0.1087731	10	0.98043565
ENSG00000248610	5	HSPA8P4	129475724	rs74531611	5	129390762	T	G	0.0646123	-0.0126418	0.0175645	0.471689	-1.1098	0.185303	2.11E-09	0.0113911	0.0159406	0.4748597	0.01292884	3	0.85935571
ENSG00000131435	5	PDLIM4	131593364	rs162904	5	131595784	C	T	0.60835	0.00517218	0.00806137	0.521132	-0.370001	0.0543345	9.78E-12	-0.0139788	0.0218839	0.5229715	0.7177923	20	0.87741473
ENSG00000233006	5	AC034220.3	131646978	rs441969	5	131702120	A	G	0.593439	0.00504333	0.00807987	0.532507	0.906984	0.0790911	1.92E-30	0.00556055	0.00892169	0.5331124	0.7273238	20	0.8813815
ENSG00000197536	5	C5orf56	131746328	rs2070721	5	131825842	G	T	0.466203	0.0104264	0.00807959	0.196892	-0.448768	0.0631602	1.20E-12	-0.0232334	0.0182985	0.204195	0.3408303	6	0.70391756
ENSG00000237190	5	CDKN2AIPNL	133737778	rs62381376	5	133746115	T	C	0.0357853	0.00826845	0.0203716	0.68483	0.553243	0.0757754	2.85E-13	0.0149454	0.036879	0.6852897	0.9725193	7	0.92403695
ENSG00000164615	5	CAMLG	134074191	rs12657663	5	134076812	A	G	0.133201	0.00532909	0.0101822	0.600716	1.26305	0.102368	5.63E-35	0.00421922	0.00806885	0.6010418	0.6193955	17	0.89572075
ENSG00000270021	5	CTC-203F4.2	134734970	rs2219769	5	134751194	T	A	0.963221	0.00926929	0.0240033	0.699373	1.10831	0.135987	3.64E-16	0.00836345	0.0216819	0.6996933	0.9223946	16	0.92824256
ENSG00000112981	5	NME5	137450866	rs17637720	5	137475056	G	T	0.0258449	-0.0396073	0.0253388	0.118027	-1.21651	0.158876	1.90E-14	0.0325581	0.0212587	0.1256404	0.4867612	9	0.65565995
ENSG00000253404	5	AC034243.1	138080123	rs160403	5	138058482	C	T	0.281312	0.0268681	0.00851376	0.00160033	0.85848	0.0928909	2.42E-20	0.0312973	0.0104795	0.0028217	0.4172261	20	0.24408023
ENSG00000120725	5	SIL1	138282409	rs10038162	5	138236755	A	G	0.270378	0.028714	0.00867931	0.00093853	0.45072	0.0739007	1.07E-09	0.063707	0.0219071	0.00363695	0.917092	12	0.27320575
ENSG00000228672	5	PROB1	138727635	rs11748963	5	138730037	C	T	0.304175	0.00275136	0.00886778	0.756359	-0.479816	0.0707203	1.16E-11	-0.0057342	0.0185009	0.7566059	0.5796477	11	0.93994618
ENSG00000213523	5	SRA1	139916925	rs250431	5	139940233	A	G	0.713718	0.00657472	0.00834246	0.430637	0.363521	0.0554721	5.63E-11	0.0180862	0.0231144	0.4339412	0.3971131	7	0.85025809
ENSG00000204961	5	PCDHA9	140227048	rs155803	5	140296871	T	C	0.336978	0.0158617	0.00869473	0.0681083	0.527713	0.0873452	1.53E-09	0.0300574	0.017211	0.08073941	0.3054141	11	0.60486272
ENSG00000250120	5	PCDHA10	140235595	rs3806844	5	140206263	T	A	0.533797	0.0106518	0.00808017	0.187414	-0.464395	0.0846147	4.06E-08	-0.0229369	0.0178942	0.1999103	0.3365934	10	0.70207968
ENSG00000239389	5	PCDHA13	140261793	rs251381	5	140264855	G	A	0.66501	-0.0202418	0.00877926	0.021131	-0.787914	0.087993	3.42E-19	0.0256904	0.0115059	0.02556164	0.2624042	16	0.42271621
ENSG00000120322	5	PCDHB8	140557371	rs643918	5	140576282	G	C	0.232604	0.0083362	0.00960039	0.385219	0.926338	0.109707	3.07E-17	0.00899909	0.0104185	0.3877178	0.608415	14	0.82273105
ENSG00000204909	5	SPINK9	147700766	rs6580548	5	147732234	T	C	0.251491	0.00544783	0.00900461	0.545175	0.844448	0.0990123	1.48E-17	0.00645135	0.0106901	0.5461841	0.04767886	13	0.8813815
ENSG00000173210	5	ABLIM3	148521046	rs13171669	5	148601243	G	A	0.362823	0.0110435	0.00840144	0.188687	-0.462985	0.0759946	1.11E-09	-0.0238528	0.0185638	0.1988238	0.9939517	6	0.70207968
ENSG00000164284	5	GRPEL2	148724993	rs783779	5	148728164	C	G	0.493042	-0.0025213	0.0080611	0.754454	0.281707	0.0513223	4.04E-08	-0.00895	0.0286616	0.7548394	0.7478654	6	0.93994618
ENSG00000164296	5	TIGD6	149372681	rs170037	5	149440644	T	C	0.570577	0.00171724	0.00861735	0.842046	0.497218	0.0802247	5.73E-10	0.0034537	0.0173401	0.8421265	0.9126993	9	0.9729333
ENSG00000164587	5	RPS14	149822753	rs10447222	5	149832667	G	A	0.289264	0.00385905	0.00865476	0.655679	-0.199144	0.0330967	1.78E-09	-0.0193782	0.043579	0.6565595	0.9968857	6	0.91470231
ENSG00000254333	5	CTC-367J11.1	149855094	rs3846703	5	149857460	T	C	0.0725646	0.0225751	0.014915	0.130131	1.34865	0.189095	9.88E-13	0.016739	0.0113055	0.1387107	0.9052049	9	0.66222016
ENSG00000197083	5	ZNF300P1	150310207	rs12659118	5	150324622	C	T	0.115308	0.0160302	0.0132866	0.227629	1.11699	0.132248	3.01E-17	0.0143512	0.0120157	0.2323333	0.09346619	15	0.7327307
ENSG00000260581	5	CTB-113P19.4	151031836	rs357618	5	150846612	G	A	0.385686	0.00048785	0.00828597	0.95305	0.480459	0.0580051	1.20E-16	0.00101539	0.0172464	0.9530512	0.7162898	18	0.98751784
ENSG00000213433	5	RP11-54C4.1	151145420	rs12653926	5	151250248	A	C	0.260437	-0.0224017	0.00884519	0.0113209	-0.687164	0.0873092	3.53E-15	0.0326002	0.0135221	0.01591351	0.1499407	16	0.36210503
ENSG00000132911	5	NMUR2	151771093	rs72793415	5	151828431	C	T	0.203777	0.0155285	0.0103294	0.132753	-1.02127	0.123051	1.05E-16	-0.0152051	0.0102789	0.1390711	0.0619013	20	0.66222016
ENSG00000251405	5	CTB-109A12.1	156789623	rs11134788	5	156942675	C	A	0.0904573	0.00852826	0.0135937	0.530418	0.740009	0.112996	5.79E-11	0.0115245	0.0184537	0.532293	0.5910571	8	0.8813815
ENSG00000113272	5	THG1L	157158205	rs2270818	5	157158439	A	C	0.136183	0.00435407	0.012333	0.724056	0.769408	0.122972	3.93E-10	0.00565899	0.0160547	0.7244771	0.4613458	14	0.93452063
ENSG00000118322	5	ATP10B	159990127	rs6886979	5	160283768	G	A	0.833002	0.0124136	0.011559	0.282852	-0.483602	0.0525944	3.75E-20	-0.025669	0.0240644	0.2861151	0.6323911	10	0.76436273
ENSG00000170584	5	NUDCD2	162873532	rs67476136	5	162899734	A	C	0.260437	0.00047469	0.00898564	0.95787	-0.295911	0.0532946	2.82E-08	-0.0016042	0.0303674	0.9578716	0.6421095	7	0.98751784
ENSG00000188573	5	FBLL1	167956121	rs34594967	5	167953912	A	C	0.142147	-0.0051409	0.0109087	0.637448	0.370642	0.0522621	1.32E-12	-0.0138703	0.0294968	0.6381895	0.9278391	17	0.91019594
ENSG00000113734	5	BNIP1	172571445	rs72816171	5	172595998	T	G	0.117296	-0.005789	0.0131192	0.659024	-0.7073	0.0991371	9.71E-13	0.00818466	0.0185837	0.6596323	0.1537059	13	0.91759791
ENSG00000051596	5	THOC3	175344876	rs56033051	5	175343491	C	T	0.192843	-0.0143385	0.0102534	0.161988	0.782563	0.0784598	1.98E-23	-0.0183225	0.0132305	0.1660925	0.3334302	6	0.67999547
ENSG00000248469	5	RP11-826N14.2	175476681	rs377690773	5	175510305	C	T	0.0815109	0.0007225	0.0149096	0.961351	-1.04069	0.119398	2.88E-18	-0.0006943	0.0143269	0.9613511	0.9209412	3	0.98751784
ENSG00000251623	5	RP11-826N14.4	175564160	rs6556237	5	175511228	T	G	0.373757	-0.0042208	0.00821454	0.607381	0.529541	0.0900218	4.04E-09	-0.0079706	0.0155716	0.6087434	0.5374274	20	0.8986004
ENSG00000160867	5	FGFR4	176513887	rs11746443	5	176798306	A	G	0.282306	-0.0008334	0.00854154	0.922278	-0.473273	0.0860942	3.86E-08	0.00176083	0.0180506	0.9222901	0.229883	14	0.98319553
ENSG00000213347	5	MXD3	176728462	rs11952102	5	176740704	A	G	0.763419	0.00682259	0.00878806	0.437543	-0.420018	0.0634329	3.56E-11	-0.0162436	0.0210664	0.4406679	0.5263045	9	0.8522258
ENSG00000169220	5	RGS14	176784838	rs10051765	5	176799992	C	T	0.33996	0.00075812	0.00821123	0.926438	-0.32278	0.0487973	3.72E-11	-0.0023487	0.0254416	0.9264453	0.7114715	6	0.98372284
ENSG00000249849	5	RP11-1101H11.1	177109295	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.813778	0.100101	4.31E-16	0.0176552	0.0103756	0.08882865	0.6778752	16	0.62201511
ENSG00000170074	5	FAM153A	177134982	rs62399963	5	177188132	G	A	0.543738	0.0143674	0.00825639	0.0818333	0.818481	0.0621361	1.27E-39	0.0175537	0.0101751	0.08449748	0.4174242	20	0.60963459
ENSG00000249109	5	RP11-1026M7.2	177209198	rs2287665	5	177220706	T	C	0.510934	0.0164929	0.00839966	0.0495861	1.0714	0.0987649	2.04E-27	0.0153938	0.00796728	0.05334412	0.7327404	20	0.54356555
ENSG00000170089	5	RP11-423H2.1	177236408	rs62399486	5	177267396	A	G	0.392644	0.00934374	0.00820082	0.254551	0.700865	0.100417	2.96E-12	0.0133317	0.0118559	0.2608086	0.6433435	6	0.74447118
ENSG00000249684	5	RP11-423H2.3	177377336	rs79128666	5	177349464	C	T	0.411531	0.00351651	0.00817948	0.667255	0.719301	0.0825822	3.04E-18	0.00488879	0.0113853	0.6676352	0.4539127	6	0.91884947
ENSG00000204677	5	FAM153C	177433406	rs7731593	5	177432595	G	A	0.493042	0.00150822	0.00808074	0.85194	0.332613	0.0519411	1.52E-10	0.00453446	0.024305	0.852002	0.3219575	6	0.97447565
ENSG00000127022	5	CANX	179105629	rs13182141	5	179126632	T	C	0.489066	0.00894625	0.00806981	0.267599	-0.359788	0.0449805	1.26E-15	-0.0248653	0.0226437	0.2721562	0.4894354	20	0.75500572
ENSG00000161010	5	C5orf45	179261436	rs10277	5	179264731	C	T	0.518887	-0.0154053	0.0082913	0.0631684	-0.563552	0.0605159	1.25E-20	0.0273361	0.0150026	0.06844055	0.8243581	20	0.57396564
ENSG00000197226	5	TBC1D9B	179289066	rs272441	5	179301260	G	A	0.884692	-0.0021476	0.0151594	0.887341	0.914923	0.139304	5.11E-11	-0.0023474	0.0165729	0.8873663	0.9836912	6	0.9770144
ENSG00000248367	5	CTB-129O4.1	179720245	rs11249698	5	179735213	G	A	0.225646	0.00147848	0.010175	0.88447	-0.46057	0.0795741	7.13E-09	-0.0032101	0.0220992	0.8845061	0.377665	11	0.97615419
ENSG00000161055	5	SCGB3A1	180017103	rs35066026	5	179997625	G	A	0.213718	-0.0013846	0.00934942	0.882267	0.799058	0.114547	3.04E-12	-0.0017328	0.0117032	0.8822926	0.1280578	8	0.97615419
ENSG00000168903	5	BTNL3	180415845	rs72494581	5	180430797	C	T	0.322068	-0.0104168	0.00852149	0.221551	1.01715	0.0862899	4.52E-32	-0.0102412	0.00842274	0.224025	0.4680158	20	0.72423509
ENSG00000248275	5	TRIM52-AS1	180688213	rs1279911	5	180691200	G	C	0.279324	0.00526586	0.00895205	0.556378	-0.9657	0.0670759	5.39E-47	-0.0054529	0.00927775	0.5567074	0.1738174	20	0.8881112
ENSG00000272463	6	RP11-532F6.3	708592	rs2244443	6	711150	C	A	0.707753	-0.006699	0.00912033	0.462634	0.784949	0.110902	1.46E-12	-0.0085343	0.0116814	0.4650287	0.1356765	6	0.85681817
ENSG00000272279	6	RP11-157J24.2	1528599	rs62388638	6	1529459	A	G	0.192843	0.00857321	0.00991793	0.38736	1.13501	0.0926766	1.74E-34	0.00755342	0.00875993	0.3885389	0.8258912	20	0.82273105
ENSG00000164385	6	C6orf195	2622147	rs4959689	6	2617122	A	C	0.445328	0.00583519	0.00834444	0.484371	-0.641349	0.0966333	3.20E-11	-0.0090983	0.0130828	0.4867788	0.02964909	11	0.86791667
ENSG00000145949	6	MYLK4	2663863	rs67462420	6	2765697	G	A	0.299205	-0.0094609	0.00852273	0.266968	0.467655	0.0754665	5.76E-10	-0.0202304	0.0185145	0.2745345	0.3431137	5	0.7558172
ENSG00000230438	6	RP11-420G6.4	2854896	rs318429	6	2876535	A	G	0.617296	0.00265937	0.00821429	0.746127	-0.890654	0.0867893	1.04E-24	-0.0029859	0.00922735	0.7462498	0.1894214	15	0.93648451
ENSG00000244041	6	LINC01011	2988201	rs6902915	6	2982612	A	G	0.83499	-0.0040974	0.0108069	0.704576	0.698445	0.10583	4.12E-11	-0.0058665	0.0154983	0.7050411	0.8075508	20	0.92891875
ENSG00000124588	6	NQO2	2988221	rs6905363	6	3021492	G	A	0.519881	-0.006388	0.00811994	0.431454	0.439044	0.0597262	1.97E-13	-0.0145498	0.0186002	0.4340745	0.1785186	20	0.85025809
ENSG00000272277	6	RP1-40E16.12	3068279	rs12663589	6	3069057	T	C	0.544732	-0.0014399	0.00827713	0.861898	-0.699614	0.101084	4.48E-12	0.00205809	0.0118347	0.8619419	0.3859732	14	0.97475956
ENSG00000137274	6	BPHL	3118608	rs7765391	6	3138499	G	A	0.828032	0.0035974	0.0102063	0.724486	0.943755	0.0982111	7.29E-22	0.00381179	0.0108218	0.7246645	0.07433584	13	0.93452063
ENSG00000180822	6	PSMG4	3231637	rs4445096	6	3256895	G	A	0.848907	0.0113895	0.011916	0.339163	0.711504	0.0957753	1.10E-13	0.0160076	0.0168857	0.3431288	0.1652325	10	0.80555318
ENSG00000228793	6	RP1-223B1.1	3594481	rs226950	6	3716413	A	G	0.675944	0.012455	0.00884688	0.159179	0.511029	0.0837078	1.03E-09	0.0243724	0.0177663	0.1701144	0.1570894	4	0.68081994
ENSG00000198721	6	ECI2	4115923	rs7744628	6	4119996	C	T	0.333002	-0.0028412	0.00928686	0.759651	-0.226661	0.0331727	8.33E-12	0.0125352	0.0410135	0.7598828	0.9856493	17	0.94074281
ENSG00000214113	6	LYRM4	5102827	rs466837	6	5137702	C	T	0.525845	0.00141573	0.00823401	0.863487	0.311206	0.0514027	1.41E-09	0.00454917	0.0264691	0.8635416	0.7521293	15	0.97475956
ENSG00000272097	6	RP11-421M1.8	10743557	rs545019	6	10745066	A	G	0.343936	0.00358897	0.00837144	0.66813	-0.52407	0.0889979	3.90E-09	-0.0068483	0.0160162	0.6689538	0.09362065	6	0.91884947
ENSG00000230314	6	ELOVL2-AS1	11043757	rs1225737	6	10982652	T	C	0.441352	0.0155853	0.00807755	0.0536747	-0.443868	0.061233	4.20E-13	-0.0351125	0.0188317	0.06224612	0.0943166	8	0.56924764
ENSG00000145979	6	TBC1D7	13266774	rs1398298	6	13328117	T	C	0.355865	-0.0100018	0.00855534	0.242376	0.459885	0.0697722	4.36E-11	-0.0217485	0.0188936	0.2496891	0.3805755	20	0.73465091
ENSG00000124523	6	SIRT5	13574816	rs72831048	6	13721677	A	G	0.0695825	0.023702	0.0199544	0.23491	-0.582731	0.10247	1.29E-08	-0.040674	0.0349819	0.2449446	0.4765985	4	0.73450129
ENSG00000050393	6	MCUR1	13786789	rs3734672	6	13787578	A	G	0.212724	-0.0018601	0.0113631	0.869973	-0.445796	0.0690613	1.08E-10	0.00417245	0.0254977	0.8700142	0.2186457	9	0.97609174
ENSG00000137364	6	TPMT	18128542	rs12192017	6	18157463	C	T	0.0775348	-0.0135968	0.0152677	0.373166	-0.812099	0.140517	7.50E-09	0.0167428	0.0190222	0.3787664	0.6254968	4	0.8205763
ENSG00000228412	6	RP4-625H18.2	19802395	rs78296116	6	19756305	A	C	0.105368	0.0176482	0.0149781	0.238692	0.706051	0.122222	7.61E-09	0.0249956	0.0216507	0.2482964	0.1261123	8	0.73450129
ENSG00000272168	6	CASC15	21665003	rs11964537	6	22193351	C	T	0.715706	-0.010287	0.00963338	0.28559	0.301483	0.0502606	1.99E-09	-0.0341213	0.0324557	0.2931115	0.4056264	4	0.77217832
ENSG00000124532	6	MRS2	24403153	rs1056283	6	24420376	C	T	0.426441	-0.0200526	0.00809456	0.0132382	0.46763	0.0683574	7.87E-12	-0.0428813	0.0184098	0.0198447	0.4573121	7	0.38871477
ENSG00000168405	6	CMAHP	25081548	rs302986	6	25101307	A	C	0.241551	-0.0013511	0.0101768	0.89438	0.388968	0.0613446	2.29E-10	-0.0034736	0.0261693	0.894404	0.9323171	16	0.97900309
ENSG00000272462	6	U91328.19	25992890	rs74293932	6	26014811	A	C	0.209742	0.00800631	0.00927919	0.388233	-0.691328	0.0801069	6.13E-18	-0.0115811	0.0134892	0.3905921	0.05625709	20	0.82273105
ENSG00000186470	6	BTN3A2	26365387	rs9393703	6	26356951	C	T	0.112326	-0.0691409	0.0145391	1.98E-06	-1.09944	0.109197	7.62E-24	0.0628874	0.014625	1.71E-05	0.005992	20	0.04951327
ENSG00000112763	6	BTN2A1	26458150	rs9393722	6	26461733	A	G	0.780318	-0.0086597	0.010164	0.394214	-0.276695	0.0482112	9.51E-09	0.031297	0.0371361	0.3993608	0.00554519	8	0.82273105
ENSG00000181315	6	ZNF322	26636518	rs9461288	6	26671135	C	T	0.377734	0.0164744	0.00843058	0.0506862	-0.49871	0.0560503	5.71E-19	-0.033034	0.0173077	0.05630926	0.00578907	20	0.55904296
ENSG00000124613	6	ZNF391	27342394	rs980960	6	27361042	G	A	0.749503	-0.0055446	0.00847278	0.512855	0.419925	0.0562145	8.02E-14	-0.0132037	0.0202542	0.5144648	0.04725526	10	0.87574629
ENSG00000219392	6	RP1-265C24.5	28083406	rs4713135	6	28039586	A	G	0.197813	-0.0344767	0.0103428	0.00085787	-0.822605	0.0976113	3.54E-17	0.0419116	0.0135211	0.00193701	0.02529244	20	0.24091354
ENSG00000198315	6	ZKSCAN8	28109688	rs9295761	6	28147987	G	A	0.199801	-0.0353327	0.0103472	0.00063853	-0.28691	0.0474002	1.42E-09	0.123149	0.0414073	0.00293859	0.1257668	20	0.24408023
ENSG00000216901	6	AL022393.7	28143966	rs1225618	6	28129713	C	A	0.373757	-0.0217973	0.00881151	0.0133709	1.03302	0.0780744	5.79E-40	-0.0211006	0.00867765	0.0150324	0.00206979	20	0.36210503
ENSG00000218016	6	ZNF192P2	28155828	rs1233696	6	28143010	C	T	0.374751	-0.0219315	0.00881407	0.0128378	-0.680095	0.0906776	6.37E-14	0.0322477	0.0136547	0.01819319	0.00222366	20	0.38205274
ENSG00000197062	6	RP5-874C20.3	28234788	rs2394049	6	28239681	G	A	0.403579	-0.0294714	0.00853373	0.00055333	-0.40263	0.0553588	3.51E-13	0.0731972	0.023463	0.00181044	0.247276	20	0.24091354
ENSG00000235109	6	ZSCAN31	28292470	rs2023493	6	28400162	C	T	0.390656	-0.0280169	0.00857555	0.00108665	0.758702	0.0756325	1.11E-23	-0.0369274	0.0118873	0.00189337	0.4811075	20	0.24091354
ENSG00000187987	6	ZSCAN23	28399707	rs2859368	6	28418039	C	T	0.44831	-0.025331	0.00832773	0.00235196	0.451128	0.0654843	5.61E-12	-0.0561504	0.0201791	0.00539254	0.2478016	20	0.29082583
ENSG00000214922	6	HLA-F-AS1	29694378	rs3131844	6	29650837	C	T	0.481113	0.00383135	0.00875776	0.661764	-0.527156	0.0813582	9.21E-11	-0.007268	0.016651	0.6624836	0.526058	20	0.91859148
ENSG00000181126	6	HLA-V	29758731	rs9260114	6	29909988	T	C	0.661034	0.011283	0.00828646	0.173317	0.651388	0.113557	9.68E-09	0.0173215	0.0130747	0.1852353	0.5487861	16	0.6858201
ENSG00000176998	6	HCG4	29758816	rs1611250	6	29750672	T	C	0.172962	-0.0032117	0.00950132	0.735343	-1.01925	0.0981535	2.92E-25	0.00315103	0.00932681	0.7354787	0.8439636	20	0.93606022
ENSG00000230521	6	HCG4P7	29855071	rs111867887	6	29819864	T	C	0.111332	-0.0135961	0.0136569	0.319469	-0.990591	0.109906	2.00E-19	0.0137252	0.0138705	0.3224039	0.4053045	20	0.78475979
ENSG00000206341	6	HLA-H	29855350	rs2975031	6	29832919	G	A	0.685885	0.00149461	0.00835509	0.858027	0.536125	0.0803953	2.58E-11	0.0027878	0.0155898	0.8580776	0.2488485	20	0.97475956
ENSG00000227262	6	HCG4B	29893760	rs9258584	6	29819222	A	C	0.210736	0.00285126	0.0100926	0.777553	-0.59922	0.104714	1.05E-08	-0.0047583	0.0168634	0.777816	0.1269956	19	0.95093618
ENSG00000230795	6	HLA-K	29894236	rs1611713	6	29829251	C	A	0.242545	-0.0236446	0.0103536	0.0223888	-0.919516	0.0953195	5.08E-22	0.0257142	0.0115711	0.02626409	0.05890864	20	0.42271621
ENSG00000206503	6	HLA-A	29909037	rs2517673	6	29937242	A	G	0.112326	0.0137	0.0155024	0.37684	-0.479285	0.0759675	2.81E-10	-0.0285842	0.0326606	0.3814705	0.9823501	20	0.82149871
ENSG00000235290	6	HLA-W	29924373	rs78841522	6	29913698	C	G	0.111332	-0.0156864	0.0138737	0.2582	1.1434	0.134777	2.18E-17	-0.0137191	0.012241	0.2623953	0.4690425	20	0.74650047
ENSG00000204623	6	ZNRD1-AS1	29968788	rs166327	6	30002881	C	T	0.39662	-0.0116273	0.00824079	0.158262	-0.565649	0.0643871	1.56E-18	0.0205557	0.0147554	0.1635919	0.4290467	20	0.67999547
ENSG00000237669	6	HCG4P3	29973898	rs1150741	6	30029651	G	C	0.260437	-0.0218985	0.00875903	0.0124157	0.725043	0.101559	9.39E-13	-0.030203	0.0128001	0.01829465	0.5223263	20	0.38205274
ENSG00000204622	6	HLA-J	29974360	rs2916806	6	29918684	T	G	0.630219	0.0129294	0.00826612	0.117783	0.621293	0.0756953	2.25E-16	0.0208105	0.0135441	0.1244175	0.2763522	20	0.65409865
ENSG00000204618	6	RNF39	30038043	rs73725950	6	29973989	C	G	0.0447316	0.00427005	0.0266938	0.872909	0.733469	0.118522	6.07E-10	0.00582172	0.0364061	0.8729514	0.9125587	20	0.97609174
ENSG00000231074	6	HCG18	30255174	rs2516698	6	30232374	A	G	0.055666	0.0583276	0.0481725	0.225969	0.636998	0.10814	3.85E-09	0.0915664	0.0772054	0.2356181	0.08674316	3	0.73446975
ENSG00000228022	6	HCG20	30734602	rs7740474	6	30760948	G	A	0.431412	0.00283087	0.0086631	0.743839	-0.808954	0.104281	8.67E-15	-0.0034994	0.0107185	0.7440583	0.02185574	11	0.93648451
ENSG00000137411	6	VARS2	30876019	rs1264327	6	30850582	A	G	0.340954	-0.0079286	0.00829753	0.339303	0.640701	0.0633964	5.18E-24	-0.0123749	0.0130085	0.3414523	0.00335094	20	0.80555318
ENSG00000228789	6	HCG22	31021227	rs3131789	6	31020821	G	A	0.577535	-0.015151	0.00811158	0.0617874	0.771631	0.0985504	4.89E-15	-0.019635	0.0108072	0.06924118	0.05415413	20	0.57515811
ENSG00000137310	6	TCF19	31126319	rs17197101	6	31126409	T	G	0.116302	0.00293086	0.0111396	0.792472	0.96082	0.124825	1.39E-14	0.00305037	0.0116006	0.7925897	0.9144966	20	0.95536852
ENSG00000204531	6	POU5F1	31132119	rs3134755	6	31216300	T	C	0.384692	-0.0051064	0.00820634	0.533781	0.574398	0.103783	3.12E-08	-0.0088899	0.0143769	0.5363455	0.9049041	10	0.8813815
ENSG00000272501	6	Xbac-BPG299F13.	31162977	rs9357111	6	31147916	T	C	0.385686	0.00993767	0.00806283	0.217752	-0.5913	0.0735354	8.91E-16	-0.0168065	0.013795	0.22311	0.5013474	20	0.72348534
ENSG00000206344	6	HCG27	31165537	rs2394949	6	31230136	C	T	0.755467	0.00074364	0.00910373	0.934897	0.582855	0.0844404	5.11E-12	0.00127586	0.0156203	0.9349012	0.2718065	20	0.98714867
ENSG00000204525	6	HLA-C	31236526	rs9264393	6	31229279	A	G	0.570577	0.0143418	0.00828493	0.0834411	-0.59344	0.0563514	6.21E-26	-0.0241672	0.0141482	0.08760898	0.5475652	20	0.61929877
ENSG00000234745	6	HLA-B	31321649	rs9264219	6	31221914	T	C	0.652087	0.00176384	0.0083838	0.833365	0.298159	0.050625	3.87E-09	0.00591577	0.0281365	0.8334705	0.2707322	20	0.9675662
ENSG00000272221	6	Xbac-BPG181B23.	31362066	rs66609536	6	31362120	A	G	0.295229	-0.0066333	0.00871343	0.446496	-0.857118	0.0992827	5.97E-18	0.00773903	0.0102054	0.4482559	0.02525289	20	0.85269709

ENSG00000204520	6	MICA	31371356	rs9266815	6	31381513	G	A	0.300199	-0.0121143	0.00862841	0.160317	-0.598906	0.0585415	1.45E-24	0.0202274	0.014542	0.1642364	0.05368927	20	0.67999547
ENSG00000204516	6	MICB	31462658	rs3130924	6	31462248	G	T	0.446322	-0.0043358	0.00831122	0.601894	0.560645	0.080554	3.41E-12	-0.0077336	0.014866	0.6029096	0.01476355	20	0.89572075
ENSG00000204463	6	BAG6	31606805	rs707919	6	31641139	G	A	0.328032	0.0237043	0.00894811	0.00807086	0.627709	0.0780081	8.50E-16	0.0377632	0.0150078	0.01186161	0.1534104	20	0.34722554
ENSG00000240053	6	LY6G5B	31637944	rs4569	6	31637807	T	C	0.295229	-0.0200851	0.0082797	0.0152736	-0.318566	0.0483263	4.34E-11	0.0630485	0.0276945	0.02281197	0.04626518	11	0.40523733
ENSG00000204428	6	LY6G5C	31644461	rs1266073	6	31667028	A	C	0.297217	-0.0199677	0.00827981	0.0158818	-0.770457	0.0821567	6.73E-21	0.0259167	0.0110963	0.01951099	0.02706442	14	0.38709874
ENSG00000204351	6	SKIV2L	31926857	rs2734326	6	31943585	C	T	0.141153	0.0294523	0.0152044	0.0527351	0.647274	0.0720164	2.52E-19	0.0455021	0.0240293	0.05827672	0.3310493	20	0.5596292
ENSG00000244731	6	C4A	31949801	rs1265905	6	31909941	G	A	0.0725646	-0.0417551	0.0141302	0.00312637	-0.810259	0.106212	2.37E-14	0.051533	0.0187017	0.0058599	0.07373506	20	0.29082583
ENSG00000204338	6	CYP21A1P	31973413	rs1265888	6	32066447	A	G	0.11332	-0.0173022	0.0122026	0.156215	-0.943475	0.133465	1.56E-12	0.0183388	0.0131913	0.1644618	0.03638062	20	0.67999547
ENSG00000204308	6	RNF5	32146131	rs3130347	6	32134656	C	T	0.200795	-0.0304902	0.0112853	0.00689731	-0.424929	0.0726289	4.90E-09	0.0717536	0.029253	0.01417254	0.1615803	10	0.36040521
ENSG00000204301	6	NOTCH4	32162620	rs434841	6	32191041	A	G	0.301193	-0.0057649	0.00866021	0.505622	-0.275197	0.0501581	4.10E-08	0.0209481	0.0316999	0.5087246	0.1852734	13	0.87138801
ENSG00000198502	6	HLA-DRB5	32485120	rs35083819	6	32526526	G	A	0.852883	-0.0208016	0.0113742	0.0674249	-1.35467	0.103926	7.74E-39	0.0153555	0.00847852	0.07012506	0.5775266	20	0.5772258
ENSG00000229391	6	HLA-DRB6	32520490	rs9271601	6	32591337	T	A	0.400596	0.00710758	0.00834633	0.394446	0.657479	0.0670385	1.05E-22	0.0108104	0.0127422	0.3962212	0.2199024	20	0.82273105
ENSG00000196126	6	HLA-DRB1	32546546	rs9271374	6	32587041	A	G	0.824056	-0.0196516	0.0104276	0.0594867	-0.692219	0.0806243	9.03E-18	0.0283893	0.0154226	0.06565778	0.1240413	20	0.57158494
ENSG00000196735	6	HLA-DQA1	32595956	rs17612852	6	32620572	A	G	0.763419	-0.0267074	0.00908174	0.00327386	-0.47458	0.0735014	1.07E-10	0.0562759	0.0210278	0.00744475	0.1266536	20	0.29082583
ENSG00000179344	6	HLA-DQB1	32627244	rs1766	6	32627795	G	A	0.425447	-0.0199086	0.00815666	0.0146555	-0.873814	0.0903437	3.96E-22	0.0227836	0.00962718	0.01795294	0.1374343	20	0.38205274
ENSG00000223534	6	HLA-DQB1-AS1	32627657	rs1766	6	32627795	G	A	0.425447	-0.0199086	0.00815666	0.0146555	-0.654262	0.0980084	2.46E-11	0.0304291	0.0132741	0.02188503	0.2952015	20	0.4006274
ENSG00000237541	6	HLA-DQA2	32709119	rs2856713	6	32620422	T	G	0.358847	0.0040107	0.0082645	0.627469	0.81837	0.0818926	1.63E-23	0.00490084	0.0101106	0.6278741	0.5387511	20	0.90357159
ENSG00000232629	6	HLA-DQB2	32723875	rs17211951	6	32637315	A	C	0.157058	0.0401449	0.0128265	0.00174896	1.18018	0.0981966	2.84E-33	0.0340159	0.0112307	0.0024551	0.7859909	20	0.24408023
ENSG00000241106	6	HLA-DOB	32780540	rs1894408	6	32786833	G	C	0.397614	-0.0088198	0.00805371	0.273465	-0.800506	0.0897015	4.49E-19	0.0110177	0.0101362	0.2770527	0.1681127	20	0.75850049
ENSG00000204267	6	TAP2	32789610	rs2071552	6	32806461	G	A	0.470179	0.0067201	0.00814935	0.409589	0.467407	0.0637042	2.18E-13	0.0143774	0.017545	0.4125248	0.1039403	20	0.83513226
ENSG00000204257	6	HLA-DMA	32916390	rs73409691	6	32963948	T	G	0.0516899	-0.0240632	0.0157567	0.126717	0.869808	0.123819	2.14E-12	-0.027665	0.0185383	0.1356165	0.5919483	15	0.66222016
ENSG00000204256	6	BRD2	32936437	rs57331574	6	32961191	C	T	0.0516899	-0.0246735	0.0157152	0.116406	0.806058	0.12974	5.20E-10	-0.0306101	0.0201093	0.1279618	0.7419446	7	0.66125001
ENSG00000223865	6	HLA-DPB1	33043703	rs1042133	6	33048606	C	G	0.186879	0.024155	0.0110479	0.0287872	0.455403	0.0802766	1.40E-08	0.0530409	0.025999	0.04133898	0.6167232	16	0.49521365
ENSG00000224557	6	HLA-DPB2	33080228	rs3129279	6	33091370	A	G	0.2167	0.0125641	0.00968493	0.194533	1.12727	0.111946	7.52E-24	0.0111456	0.0086625	0.1982163	0.143732	19	0.70207968
ENSG00000230313	6	HCG24	33112560	rs4711318	6	33090336	A	G	0.359841	0.0210102	0.0083012	0.0113744	0.76431	0.0921072	1.06E-16	0.0274891	0.011355	0.01548303	0.2039111	20	0.36210503
ENSG00000204248	6	COL11A2	33130458	rs17847933	6	33165780	C	G	0.0596421	-0.0174714	0.0238099	0.463079	0.564471	0.0802927	2.06E-12	-0.0309518	0.0424101	0.4654987	0.8579864	5	0.85681817
ENSG00000204228	6	HSD17B8	33172419	rs107822	6	33175575	T	C	0.270378	0.0195096	0.0092562	0.0350542	-0.324005	0.0534672	1.36E-09	-0.0602139	0.0302468	0.04650808	0.8545674	20	0.51856509
ENSG00000231500	6	RPS18	33239787	rs17215231	6	33239869	T	C	0.0745527	0.00994144	0.0178911	0.578441	-0.555256	0.0545	2.24E-24	-0.0179042	0.0322692	0.5790045	0.2959804	19	0.89127357
ENSG00000030110	6	BAK1	33540329	rs210139	6	33543409	C	A	0.423459	0.0109351	0.00816151	0.180297	-0.384781	0.0679235	1.47E-08	-0.028419	0.021796	0.1922795	0.00510707	4	0.6923312
ENSG00000204188	6	GGNBP1	33551515	rs563751	6	33552769	G	A	0.23161	-0.022593	0.0109768	0.0395676	-0.653751	0.102187	1.58E-10	0.034559	0.017638	0.05007231	0.5144208	3	0.53474069
ENSG00000197251	6	LINC00336	33553883	rs210162	6	33560896	G	A	0.225646	-0.0149377	0.010929	0.171688	0.784985	0.109139	6.36E-13	-0.0190293	0.0141717	0.179348	0.1240797	12	0.68323261
ENSG00000161904	6	LEMD2	33738979	rs12173787	6	33735471	C	G	0.516899	-0.0216777	0.00804912	0.0070775	-0.290869	0.0455685	1.74E-10	0.0745274	0.030035	0.01308842	0.513942	4	0.34810394
ENSG00000196821	6	C6orf106	34555065	rs112563428	6	34800435	T	C	0.101392	-0.0229541	0.0102111	0.0245788	0.481377	0.0522949	3.42E-20	-0.0476842	0.0218356	0.02897839	0.673393	14	0.43081206
ENSG00000124562	6	SNRPC	34725183	rs3798352	6	34734809	A	T	0.335984	-0.0089798	0.00857016	0.294733	-0.433234	0.0483099	3.02E-19	0.0207273	0.0199164	0.2980077	0.05510961	18	0.7734327
ENSG00000065060	6	UHRF1BP1	34759857	rs9296131	6	34776361	T	C	0.336978	-0.0088029	0.00857177	0.304439	0.434141	0.0656117	3.67E-11	-0.0202765	0.0199806	0.3101961	0.00459062	7	0.78156035
ENSG00000064999	6	ANKS1A	34857042	rs820097	6	35019379	G	C	0.371769	0.00605631	0.00826939	0.463939	0.427616	0.0756793	1.60E-08	0.014163	0.0195001	0.4676541	0.838725	7	0.85681817
ENSG00000196748	6	CLPSL2	35744371	rs9394318	6	35753853	T	C	0.333002	-0.0086063	0.00866341	0.320512	0.637152	0.0973158	5.86E-11	-0.0135074	0.0137527	0.3260183	0.8078772	6	0.78543469
ENSG00000096063	6	SRPK1	35800743	rs879668	6	35780157	C	T	0.327038	-0.0081664	0.00854749	0.339366	0.222534	0.0399428	2.53E-08	-0.0366975	0.0389705	0.3463599	0.5404619	8	0.80555318
ENSG00000112053	6	SLC26A8	35911291	rs602932	6	35981637	T	C	0.236581	-0.0263817	0.00921289	0.00418909	-0.537519	0.0656516	2.67E-16	0.0490805	0.0181577	0.00687149	0.2729939	9	0.29082583
ENSG00000156711	6	MAPK13	36095586	rs12210904	6	36098191	A	C	0.305169	0.0187497	0.00985155	0.0570112	0.308035	0.0479442	1.32E-10	0.0608687	0.0333556	0.06802501	0.1360369	3	0.57396564
ENSG00000246982	6	RP1-179N16.6	36114475	rs2859135	6	36114703	T	C	0.637177	-0.0149821	0.00919647	0.103288	-0.654804	0.0812988	7.99E-16	0.0228803	0.014329	0.1103152	0.1518253	13	0.63721688
ENSG00000164530	6	PI16	36922209	rs1405069	6	36922684	C	A	0.451292	0.0247004	0.00814436	0.00242281	-0.350862	0.0640898	4.39E-08	-0.0703992	0.0265364	0.00797968	0.626813	3	0.29082583
ENSG00000198937	6	CCDC167	37450696	rs1812186	6	37465916	C	T	0.701789	-0.0117833	0.0083276	0.157077	0.562393	0.0589353	1.39E-21	-0.0209521	0.0149693	0.1616134	0.02476613	20	0.67999547
ENSG00000164627	6	KIF6	39297766	rs113484329	6	39681214	G	A	0.0765408	0.00289497	0.0154151	0.851033	0.629155	0.0847865	1.17E-13	0.00460136	0.0245091	0.8510798	0.9400919	5	0.97447029
ENSG00000161912	6	ADCY10P1	41068761	rs72856298	6	41113920	C	T	0.132207	0.00932996	0.0136154	0.493187	0.76021	0.0823853	2.77E-20	0.0122729	0.0179594	0.4943738	0.8408038	17	0.86791667
ENSG00000048545	6	GUCA1A	42123144	rs1467448	6	42146298	C	G	0.0656064	0.0114437	0.0155153	0.460772	0.79343	0.140742	1.73E-08	0.0144231	0.0197214	0.4645701	0.9950944	5	0.85681817
ENSG00000112599	6	GUCA1B	42152139	rs13197564	6	42184400	T	C	0.637177	0.00399486	0.00886038	0.652085	0.770318	0.0820559	6.13E-21	0.00518599	0.0115155	0.652459	0.03012235	10	0.91384759
ENSG00000112619	6	PRPH2	42664340	rs3818087	6	42672407	C	T	0.256461	-0.0124102	0.00938345	0.18598	0.884086	0.0663592	1.71E-40	-0.0140373	0.0106659	0.1881426	0.1143189	20	0.69027352
ENSG00000146223	6	RPL7L1	42847356	rs1819323	6	42859689	C	T	0.287276	-0.0089496	0.0101907	0.379829	-0.287331	0.0449922	1.70E-10	0.0311473	0.0358005	0.3842875	0.8544364	11	0.82273105
ENSG00000124713	6	GNMT	42928496	rs2296804	6	42931261	G	C	0.588469	0.00247486	0.00811008	0.760246	-1.03681	0.0833184	1.51E-35	-0.002387	0.0078245	0.7603153	0.6376059	20	0.94074281
ENSG00000124587	6	PEX6	42931608	rs9986447	6	42942779	G	A	0.459245	-0.0003573	0.00832962	0.965787	0.69157	0.0561962	8.37E-35	-0.0005166	0.0120446	0.9657871	0.7913287	20	0.98902087
ENSG00000112659	6	CUL9	43149913	rs6924555	6	43150980	C	T	0.120278	0.00904368	0.011606	0.435847	-0.357569	0.0543825	4.86E-11	-0.0252921	0.0326852	0.4390435	0.7546381	7	0.8522258
ENSG00000112667	6	DNPH1	43193367	rs77818628	6	43161133	A	G	0.0606362	-0.014752	0.0154834	0.340712	-0.511688	0.0687521	9.88E-14	0.0288301	0.0305064	0.3446334	0.6462852	13	0.80555318
ENSG00000137225	6	CAPN11	44126548	rs914503	6	44134581	T	C	0.713718	-0.0045304	0.00920531	0.622613	0.674603	0.106392	2.29E-10	-0.0067157	0.0136866	0.6236564	0.3875673	7	0.90296505
ENSG00000196284	6	SUPT3H	44777054	rs12195339	6	44796179	C	T	0.264414	0.00495665	0.00914711	0.587899	0.856113	0.111422	1.55E-14	0.00578971	0.010711	0.5888254	0.4895647	20	0.8942393
ENSG00000231769	6	RP1-8B1.4	46064830	rs3734208	6	46097758	G	C	0.672962	0.0283958	0.00898363	0.00157315	-0.751188	0.0792088	2.46E-21	-0.0378012	0.012606	0.00271161	0.663498	12	0.24408023
ENSG00000112796	6	ENPP5	46126924	rs2235881	6	46129345	A	G	0.534791	0.0202999	0.00806528	0.0118378	-0.476599	0.0572656	8.60E-17	-0.0425932	0.0176795	0.01598808	0.1743905	15	0.36210503
ENSG00000153291	6	SLC25A27	46620678	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	0.731562	0.0566403	3.66E-38	0.0322018	0.0124507	0.00969999	0.8162939	20	0.31573618
ENSG00000180113	6	TDRD6	46655612	rs34964632	6	46648129	G	A	0.27833	0.0235576	0.00892397	0.00829526	-0.71942	0.0752372	1.15E-21	-0.0327453	0.0128684	0.01093962	0.6978819	16	0.34101031
ENSG00000146085	6	MUT	49398073	rs77090718	6	49100107	A	G	0.0159046	0.00122496	0.0333375	0.970689	1.07935	0.15136	9.96E-13	0.00113491	0.0308871	0.9706893	0.1491402	10	0.98965412
ENSG00000031691	6	CENPQ	49431091	rs1471539	6	49460152	G	A	0.4334	0.00555906	0.0081465	0.494994	0.595415	0.0587691	4.01E-24	0.00933645	0.0137131	0.4959704	0.4110024	20	0.86791667
ENSG00000112118	6	MCM3	52128807	rs55934038	6	52348455	A	G	0.0407555	0.0137186	0.0271354	0.613164	0.902387	0.130392	4.50E-12	0.0152026	0.0301508	0.6141086	0.731018	5	0.89999199
ENSG00000216775	6	RP1-152L7.5	52529946	rs2670124	6	52529773	G	C	0.713718	0.0104968	0.00889203	0.237813	-0.50965	0.088356	8.02E-09	-0.0205961	0.017809	0.2474758	0.9170412	3	0.73450129
ENSG00000243955	6	GSTA1	52656462	rs55906003	6	52733927	T	C	0.38171	-0.003071	0.00853128	0.718874	0.551691	0.0902784	9.90E-10	-0.0055664	0.0154907	0.7193402	0.7754042	9	0.93305022
ENSG00000146151	6	HMGCLL1	55299167	rs1546299	6	55299220	G	T	0.656064	0.00604489	0.00845239	0.474504	0.224812	0.0335864	2.18E-11	0.0268886	0.0378116	0.4770087	0.1553701	20	0.86100048
ENSG00000151917	6	BEND6	56819773	rs6925107	6	56828940	G	A	0.754473	-0.0012267	0.00867883	0.887595	0.388125	0.0399253	2.45E-22	-0.0031607	0.0223633	0.8876073	0.4437981	20	0.9770144
ENSG00000272541	6	Xbac-BPGBPG55C2	58182169	rs6915273	6	58283185	T	C	0.373757	-0.0078325	0.00860069	0.362463	-0.409119	0.0526857	8.15E-15	0.0191448	0.0211665	0.3657394	0.4791021	7	0.81680835
ENSG00000272316	6	Xbac-BPGBPG55C2	58234838	rs4928430	6	58303520	A	T	0.715706	0.00127033	0.00871113	0.884057	0.689506	0.0712416	3.72E-22	0.00184238	0.0126353	0.8840699	0.8527806	20	0.97615419
ENSG00000215190	6	LINC00680	58272352	rs6937867	6	58277601	A	G	0.258449	-0.001895	0.00952375	0.842278	-0.923423	0.0813103	6.86E-30	0.00205219	0.0103151	0.8423019	0.7257661	20	0.9729333
ENSG00000250686	6	RP1-240B8.3	62340138	rs1414811	6	62270967	T	C	0.762425	-0.0076917	0.00854323	0.367948	-0.476511	0.0780694	1.04E-09	0.0161417	0.0181227	0.3730971	0.9123697	20	0.81754232
ENSG00000154079	6	C6orf57	71276620	rs34378057	6	71307075	C	T	0.384692	-0.0089852	0.00815942	0.270806	-0.330401	0.0560856	3.84E-09	0.0271949	0.0251233	0.2790489	0.434813	7	0.76030335
ENSG00000271967	6	RP11-134K13.4	71306141	rs9446273	6	71301264	C	T	0.428429	-0.0090692	0.00808536	0.261996	-0.39522	0.0716131	3.41E-08	0.0229473	0.0208761	0.271676	0.7926172	3	0.75500572
ENSG00000256980	6	KHDC1L	73933267	rs6927398	6	73935135	C	G	0.241551	-0.0025867	0.00935336	0.782121	0.649	0.103689	3.87E-10	-0.0039857	0.014426	0.7823271	0.9864698	13	0.95287855
ENSG00000234882	6	EIF3EP1	74001685	rs16883564	6	74010614	G	A	0.0765408	-0.0095814	0.0124164	0.440307	0.774064	0.108291	8.80E-13	-0.012378	0.0161337	0.4429546	0.8295894	18	0.8522258
ENSG00000146243	6	IRAK1BP1	79577189	rs9352675	6	79612800	A	G	0.479125	0.0236223	0.00807676	0.00344762	0.519494	0.0867616	2.13E-09	0.0454717	0.017303	0.00858966	0.6271104	5	0.29082583
ENSG00000198478	6	SH3BGRL2	80341000	rs55728170	6	80414761	A	G	0.0586481	-0.00379	0.016787	0.82138	0.43091	0.0580306	1.12E-13	-0.0087954	0.0389751	0.821461	0.1230133	3	0.96369984
ENSG00000203875	6	SNHG5	86370710	rs1059307	6	86387888	T	G	0.567594	0.0314581	0.00804288	9.18E-05	0.614138	0.0505906	6.53E-34	0.0512232	0.0137592	0.000197	0.6132906	20	0.18710479
ENSG00000111850	6	SMIM8	88032301	rs448580	6	88040399	G	T	0.492048	0.00245752	0.00805491	0.760293	-0.524348	0.0621748	3.36E-17	-0.0046868	0.0153718	0.760445	0.2660053	20	0.94074281
ENSG00000272514	6	C6ORF165	88117701	rs35332886	6	88141064	G	A	0.262425	0.0157846	0.00937068	0.0920895	0.545678	0.072252	4.27E-14	0.0289266	0.0175945	0.1001616	0.4472526	14	0.63021019
ENSG00000083099	6	LYRM2	90277863	rs66750524	6	90451868	C	A	0.2167	-0.0142865	0.00958817	0.13622	0.579426	0.0706678	2.42E-16	-0.0246563	0.0168187	0.1426474	0.8517572	20	0.66222016
ENSG00000261366	6	MANEA-AS1	96023059	rs7740179	6	96025358	G	A	0.62326	0.00218019	0.00809425	0.78766	-0.426564	0.072481	3.98E-09	-0.0051111	0.0189953	0.7878767	0.252431	4	0.95332026
ENSG00000123545	6	NDUFAF4	97337189	rs6568611	6	97263365	T	A	0.864811	-0.0133628	0.0121904	0.273001	-0.321595	0.046236	3.51E-12	0.0415516	0.0383739	0.2788929	0.8995825	9	0.76030335
ENSG00000228506	6	RP11-98I9.4	99872798	rs4840044	6	99888013	G	A	0.493042	-0.0012041	0.00807225	0.881422	0.766293	0.0801028	1.11E-21	-0.0015713	0.0105354	0.8814365	0.2900794	19	0.97615419
ENSG00000219755	6	RP1-199J3.5	100023588	rs330868	6	100012955	C	T	0.812127	0.00958848	0.0089081	0.281758	0.956625	0.113008	2.56E-17	0.0100232	0.00938699	0.2856197	0.9684501	20	0.76436273
ENSG00000112249	6	ASCC3	100956070	rs9390699	6	101306502	G	C	0.0596421	-0.0284035	0.0143235	0.0473674	-0.510555	0.0891149	1.01E-08	0.0556326	0.0296877	0.06094075	0.3208525	4	0.56204041
ENSG00000085382	6	HACE1	105175968	rs2499660	6	105285750	C	T	0.515905	-0.0033317	0.00807326	0.679836	0.217139	0.0337567	1.26E-10	-0.0153438	0.0372566	0.6804564	0.665324	6	0.92288062
ENSG00000130348	6	QRSL1	107077453	rs2054365	6	107077502	A	G	0.383698	-0.0065645	0.00831098	0.429614	-0.693508	0.0661858	1.09E-25	0.00946557	0.012018	0.4309201	0.486398	20	0.84896467
ENSG00000229654	6	RP1-60O19.2	107143410	rs2015205	6	107113715	A	G	0.464215	-0.0079005	0.00804955	0.326353	0.576931	0.101253	1.21E-08	-0.0136941	0.0141578	0.3334223	0.8386837	12	0.79620366
ENSG00000118690	6	ARMC2	109169619	rs2806380	6	109244695	T	C	0.771372	-0.0047084	0.0103754	0.649971	-0.433199	0.0688769	3.19E-10	0.0108688	0.0240129	0.650819	0.537468	8	0.91384759
ENSG00000135587	6	SMPD2	109761966	rs9480949	6	109728441	C	T	0.420477	-0.0181513	0.0080958	0.0249569	0.392164	0.0695057	1.68E-08	-0.046285	0.0222141	0.03719797	0.337811	9	0.48016086
ENSG00000155085	6	AK9	109814059	rs12198938	6	109822632	G	A	0.409543	-0.0148856	0.00816083	0.0681475	-0.497563	0.0595172	6.27E-17	0.029917	0.0167875	0.07473216	0.7290868	20	0.58712339
ENSG00000255389	6	C6orf3	111921078	rs33980500	6	111913262	T	C	0.0854871	-0.0202939	0.0155369	0.191493	-1.00848	0.121775	1.22E-16	0.0201233	0.0155967	0.1969726	0.8604485	14	0.69978378
ENSG00000188820	6	FAM26F	116782533	rs482701	6	116741965	T	C	0.720676	-0.0100277	0.00961257	0.296864	0.681596	0.116017	4.23E-09	-0.0147121	0.0143236	0.3043641	0.337886	5	0.77675425
ENSG00000111879	6	FAM184A	119280928	rs9372522	6	119430143	C	T	0.60338	0.00879097	0.00856071	0.304469	-0.385406	0.0621887	5.74E-10	-0.0228096	0.0225151	0.3110201	0.2735994	11	0.78156035
ENSG00000111906	6	HDDC2	125541108	rs112982980	6	125622737	G	T	0.172962	-0.0168137	0.0132224	0.203514	-0.390531	0.0483227	6.39E-16	0.0430534	0.034274	0.2090605	0.2566646	12	0.70391756
ENSG00000237742	6	RP11-624M8.1	125899704	rs3734637	6	126081319	T	G	0.597416	-0.007775	0.00812585	0.338657	-0.51927	0.0684548	3.31E-14	0.0149729	0.0157726	0.3424682	0.7059002	20	0.80555318
ENSG00000231023	6	LINC00326	133409219	rs271165	6	133278879	G	C	0.428429	0.00598513	0.00809927	0.459924	-0.746132	0.0772374	4.45E-22	-0.0080215	0.0108867	0.4612325	0.353944	19	0.85681817
ENSG00000118514	6	ALDH8A1	135238528	rs4896131	6	135392100	A	C	0.489066	0.0009953	0.00816137	0.902937	-0.627412	0.0665462	4.17E-21	-0.0015864	0.0130091	0.9029451	0.4609247	20	0.98024231
ENSG00000112339	6	HBS1L	135281516	rs2150682	6	135377632	T	A	0.489066	0.00141228	0.00813824	0.86223	-0.269001	0.0412418	6.91E-11	-0.0052501	0.0302643	0.8622782	0.9026696	9	0.97475956
ENSG00000232876	6	CTA-212D2.2	135376171	rs28384512	6	135376232	T	C	0.49006	0.00094989	0.00813813	0.907081	-0.881693	0.0887611	2.98E-23	-0.0010774	0.00923075	0.9070875	0.4482712	20	0.98043565
ENSG00000135541	6	AHI1	135604670	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.336367	0.0501615	2.00E-11	-0.0132446	0.0311457	0.6706568	0.4871346	3	0.91884947
ENSG00000234084	6	RP3-388E23.2	135622706	rs2207000	6	135623833	T	C	0.21173	0.00445505	0.0104553	0.670031	-0.611723	0.0761597	9.58E-16	-0.0072828	0.0171156	0.6704678	0.4923351	3	0.91884947
ENSG00000272189	6	RP3-325F22.5	136871799	rs2181096	6	136812315	C	T	0.813121	-0.0184111	0.010809	0.0885095	-0.603792	0.105638	1.09E-08	0.0304925	0.0186799	0.1026016	0.436255	5	0.63021019
ENSG00000112357	6	PEX7	137143717	rs34010687	6	137206325	G	A	0.0984095	-0.0135981	0.0133795	0.30947	-0.668204	0.10075	3.30E-11	0.0203502	0.0202568	0.315084	0.00535073	4	0.78450316
ENSG00000112378	6	PERP	138409642	rs56071175	6	138445463	T	C	0.256461	-0.0059886	0.0113693	0.59838	-0.533351	0.0752276	1.34E-12	0.0112282	0.0213755	0.5993858	0.5320245	13	0.89572075
ENSG00000225177	6	RP11-390P2.4	139013685	rs1129180	6	139018132	G	A	0.22167	-0.0077603	0.0102507	0.449023	0.554124	0.0625964	8.57E-19	-0.0140046	0.0185665	0.4506718	0.7707986	20	0.85503766
ENSG00000009844	6	VTA1	142468367	rs147358968	6	142417881	A	G	0.0854871	-0.0132189	0.0130149	0.309783	0.403705	0.0715869	1.71E-08	-0.032744	0.0327573	0.3175082	0.5291381	8	0.78475979
ENSG00000235652	6	RP11-545I5.3	146136048	rs2328709	6	146106819	C	T	0.586481	-0.0022565	0.00807899	0.780011	-0.522641	0.0609969	1.05E-17	0.00431748	0.0154662	0.7801257	0.5255063	11	0.95144485
ENSG00000228408	6	RP1-111D6.3	149539062	rs9498242	6	149503493	G	A	0.332008	0.0105502	0.00831719	0.204626	-0.460817	0.0771891	2.37E-09	-0.0228946	0.0184517	0.2146863	0.09435344	10	0.7109941
ENSG00000231760	6	RP11-350J20.5	150117711	rs4039600	6	149897455	G	A	0.367793	0.0098011	0.00822758	0.233556	0.628023	0.114168	3.78E-08	0.0156063	0.0134044	0.2443178	0.567937	7	0.73450129
ENSG00000203722	6	RAET1G	150238014	rs1889472	6	150185509	A	T	0.416501	0.00663833	0.00816477	0.416191	0.708291	0.105364	1.79E-11	0.00937232	0.0116114	0.4195724	0.3142797	17	0.83980935
ENSG00000112031	6	MTRF1L	153308497	rs2038333	6	153320960	C	T	0.698807	0.0297766	0.00902378	0.00096757	-0.767808	0.0705546	1.40E-27	-0.0387813	0.0122811	0.00158957	0.01285256	17	0.24091354
ENSG00000235381	6	RP11-477D19.2	155574273	rs1331212	6	155575431	T	C	0.428429	-0.0100478	0.00811111	0.215428	0.623342	0.0673683	2.19E-20	-0.0161192	0.0131284	0.2195164	0.9498861	20	0.71801399
ENSG00000029639	6	TFB1M	155578643	rs9371371	6	155625104	G	A	0.573559	0.00818802	0.00806466	0.309965	-0.600161	0.0860237	3.02E-12	-0.013643	0.013579	0.315035	0.6352015	9	0.78450316
ENSG00000215712	6	TMEM242	157710418	rs9365089	6	157715044	T	C	0.253479	0.00217828	0.00951844	0.818987	-0.247996	0.0413174	1.95E-09	-0.0087835	0.0384093	0.8191159	0.685881	4	0.9628767
ENSG00000271040	6	RP5-933K21.3	157744996	rs9355774	6	157740553	T	C	0.297217	0.00308736	0.00907352	0.73366	0.535415	0.0933636	9.77E-09	0.00576629	0.0169765	0.7341103	0.8663129	4	0.93606022
ENSG00000272047	6	GTF2H5	158589384	rs350293	6	158492354	A	G	0.432406	-0.0078457	0.00824716	0.341443	-0.306742	0.0539584	1.31E-08	0.0255775	0.0272602	0.3481047	0.9927907	5	0.80732442
ENSG00000146477	6	SLC22A3	160769300	rs2063346	6	160884275	T	C	0.355865	-0.0020481	0.00871024	0.8141	0.467741	0.072971	1.46E-10	-0.0043788	0.0186345	0.8142233	0.3264421	17	0.96265634
ENSG00000112530	6	PACRG	163148164	rs68144677	6	163149024	C	T	0.124254	0.0358217	0.0174233	0.039786	0.672496	0.0919391	2.58E-13	0.0532668	0.0269124	0.04778609	0.06439577	18	0.52276179
ENSG00000112486	6	CCR6	167525295	rs74709214	6	167427478	T	C	0.0178926	-0.0146565	0.0538257	0.785395	-1.17658	0.215305	4.64E-08	0.0124569	0.0458043	0.7856542	0.9979666	4	0.95332026
ENSG00000235994	6	RP3-470B24.5	168376604	rs227235	6	168420258	T	C	0.315109	0.0108623	0.00932891	0.244274	-0.619168	0.111336	2.68E-08	-0.0175434	0.0153935	0.2544286	0.1729378	6	0.73832684
ENSG00000229921	6	KIF25-AS1	168393502	rs2516611	6	168384831	T	C	0.54175	0.00725393	0.00833977	0.384409	-0.746029	0.104856	1.12E-12	-0.0097234	0.0112621	0.3879331	0.370803	17	0.82273105
ENSG00000226194	6	RP1-137D17.1	169770093	rs9295018	6	169992310	G	A	0.696819	-0.0124447	0.00885116	0.159726	-0.570764	0.101738	2.02E-08	0.0218036	0.0159872	0.1726246	0.5885992	13	0.68081994
ENSG00000184465	6	WDR27	169857307	rs9383516	6	170090883	A	G	0.319085	0.00521371	0.00880073	0.553571	-0.437573	0.0620461	1.76E-12	-0.0119151	0.0201834	0.5549636	0.7897972	20	0.88769249
ENSG00000231690	6	LINC00574	170190417	rs7753759	6	170247464	A	G	0.0745527	-0.011825	0.012288	0.335887	0.76402	0.13186	6.87E-09	-0.0154773	0.0163037	0.3424594	0.3764348	8	0.80555318
ENSG00000236173	6	RP1-182D15.2	170209414	rs12193054	6	170210741	T	C	0.05666	-0.0187726	0.0198814	0.345052	-1.01701	0.167617	1.30E-09	0.0184586	0.0197842	0.3508204	0.353258	10	0.81121741
ENSG00000273100	6	RP11-302L19.3	170493905	rs2935055	6	170474874	C	T	0.412525	0.0126144	0.00809038	0.118953	0.4785	0.0673282	1.19E-12	0.0263624	0.0173099	0.1277675	0.8979968	20	0.66125001
ENSG00000112584	6	FAM120B	170599791	rs12196499	6	170635900	T	C	0.801193	0.0033496	0.0125836	0.790094	0.458707	0.0781969	4.46E-09	0.00730226	0.027461	0.7903054	0.5038582	8	0.95382821
ENSG00000261003	6	RP1-140C12.2	170723227	rs1022614	6	170683419	C	A	0.907555	0.0175985	0.0164013	0.283274	-1.01482	0.12859	2.98E-15	-0.0173415	0.0163105	0.2876857	0.3668359	15	0.76654489
ENSG00000008018	6	PSMB1	170844205	rs12717	6	170862300	C	G	0.408549	0.00742691	0.00812921	0.360923	-0.303394	0.0496576	9.98E-10	-0.0244794	0.0270921	0.3662278	0.6048948	14	0.81680835
ENSG00000242611	7	AC093627.8	77038	rs28584066	7	78829	A	G	0.461233	-0.007156	0.00814264	0.379491	-0.656629	0.0991022	3.45E-11	0.0108981	0.0125093	0.3836428	0.239594	9	0.8226187
ENSG00000240859	7	AC093627.10	149597	rs76029673	7	161970	A	G	0.0367793	-0.0331414	0.0198264	0.0946063	-2.14743	0.288129	9.12E-14	0.0154331	0.00946198	0.1028778	0.9572053	8	0.63021019
ENSG00000223855	7	AC147651.3	560028	rs9801322	7	564240	G	A	0.175944	0.00829487	0.0105012	0.429588	1.2757	0.104242	1.95E-34	0.00650221	0.00824885	0.4305464	0.312341	17	0.84896467
ENSG00000146540	7	C7orf50	1036622	rs11977	7	1036944	C	G	0.0765408	-0.0181547	0.0156612	0.246368	0.661248	0.0743521	5.92E-19	-0.0274552	0.0238847	0.2503534	0.6290886	20	0.73465091
ENSG00000229043	7	AC091729.9	1200010	rs6962809	7	1208889	G	A	0.612326	0.00718312	0.00839737	0.39233	-1.15559	0.0734648	9.44E-56	-0.006216	0.00727747	0.3930279	0.7773189	20	0.82273105
ENSG00000273230	7	RP11-1246C19.1	1504133	rs2304357	7	1539799	T	C	0.425447	0.00979582	0.00810821	0.226995	-0.357217	0.0591148	1.51E-09	-0.0274226	0.0231475	0.2361398	0.7924788	8	0.73450129
ENSG00000164880	7	INTS1	1509913	rs7806171	7	1542125	G	A	0.462227	0.00582917	0.00805946	0.469514	-0.529457	0.0442576	5.55E-33	-0.0110097	0.0152499	0.4703238	0.4955973	20	0.85733378
ENSG00000230487	7	PSMG3-AS1	1609709	rs4725240	7	1628183	C	T	0.402584	0.0013212	0.0083082	0.87365	-0.416787	0.0695768	2.09E-09	-0.00317	0.0199409	0.8736944	0.8516285	8	0.97609174
ENSG00000176349	7	AC110781.3	1878222	rs4719319	7	1888094	A	G	0.353877	-0.0038364	0.00895815	0.668462	-0.630402	0.102493	7.71E-10	0.00608564	0.0142446	0.6692164	0.01920568	18	0.91884947
ENSG00000122687	7	FTSJ2	2273866	rs4719462	7	2266384	G	A	0.385686	-0.0058025	0.00849248	0.494445	0.452462	0.0717188	2.81E-10	-0.0128244	0.0188792	0.4969579	0.3687448	14	0.86791667
ENSG00000174945	7	AMZ1	2719156	rs2644307	7	2832973	A	G	0.431412	-0.0246969	0.00809389	0.00227851	-0.37715	0.0599833	3.22E-10	0.065483	0.0238542	0.00604872	0.7647068	20	0.29082583
ENSG00000157927	7	RADIL	4836686	rs6958952	7	4814862	G	A	0.0904573	-0.001124	0.0190446	0.952939	0.688283	0.12553	4.18E-08	-0.001633	0.0276713	0.9529411	0.9243076	11	0.98751784
ENSG00000136297	7	MMD2	4945620	rs12216591	7	5000088	T	C	0.266402	0.00675634	0.0086679	0.435705	0.273531	0.0456229	2.03E-09	0.0247005	0.0319556	0.4395451	0.9645978	4	0.8522258
ENSG00000196204	7	RNF216P1	5013619	rs116611431	7	5027325	T	C	0.109344	-0.0263772	0.0154757	0.0883019	-0.88053	0.108275	4.21E-16	0.029956	0.0179573	0.09527964	0.05476897	20	0.62977339
ENSG00000146587	7	RBAK	5085452	rs9639891	7	5036611	G	C	0.114314	-0.0247084	0.0151699	0.103359	0.637961	0.107792	3.25E-09	-0.0387303	0.0246628	0.1163232	0.4610568	10	0.64624497
ENSG00000122674	7	CCZ1	5938356	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	0.863655	0.104022	1.02E-16	-0.0064557	0.00956349	0.4996534	0.7621144	10	0.8682043
ENSG00000207217	7	SNORA42	6056508	rs12702460	7	6032748	A	T	0.141153	-0.0169695	0.0106132	0.109842	-0.822142	0.140542	4.92E-09	0.0206406	0.0133827	0.1229932	0.9424355	11	0.65256807
ENSG00000215045	7	GRID2IP	6537093	rs75046124	7	6585477	T	C	0.0526839	0.00856071	0.0166619	0.6074	1.07469	0.183833	5.03E-09	0.00796575	0.0155637	0.6087793	0.2748622	3	0.8986004
ENSG00000187953	7	PMS2CL	6749759	rs1805319	7	6036980	C	G	0.835984	-0.0006996	0.0100239	0.944358	0.836405	0.119875	3.01E-12	-0.0008364	0.0119851	0.9443606	0.1837892	20	0.98751784
ENSG00000146574	7	CCZ1B	6833765	rs4476910	7	6884764	C	A	0.491054	-0.0055755	0.00823221	0.498229	-0.77525	0.0901697	8.13E-18	0.00719186	0.0106517	0.4995578	0.5484735	15	0.8682043
ENSG00000106392	7	C1GALT1	7196565	rs7780273	7	7250449	C	A	0.363817	-0.0048051	0.00810011	0.553038	0.445617	0.0609247	2.59E-13	-0.010783	0.018237	0.5543385	0.3011465	20	0.88769249
ENSG00000230825	7	AC005532.5	7294785	rs7808744	7	7318707	A	T	0.394632	-0.0059329	0.00807989	0.46278	-0.61796	0.088929	3.68E-12	0.00960072	0.0131479	0.4652621	0.6534596	13	0.85681817

ENSG00000215018	7	COL28A1	7395834	rs12532693	7	7588857	T	C	0.691849	0.0160854	0.00861118	0.0617661	0.569668	0.0659593	5.79E-18	0.0282364	0.0154657	0.06788763	0.4817312	20	0.57396564
ENSG00000272894	7	RP5-1159O4.1	7592093	rs73674582	7	7605391	T	C	0.254473	-0.0185873	0.00881886	0.035059	0.60457	0.0639153	3.11E-21	-0.0307447	0.0149447	0.03966473	0.3653525	20	0.48722943
ENSG00000106399	7	RPA3	7676149	rs6463710	7	7677809	T	C	0.898608	0.0417503	0.013843	0.00256147	-0.532704	0.0865599	7.55E-10	-0.0783743	0.0289391	0.00676392	0.09088782	15	0.29082583
ENSG00000244239	7	AC007009.1	8301863	rs9472	7	8302284	A	G	0.560636	-0.0022881	0.00805941	0.776485	0.531508	0.0720473	1.62E-13	-0.0043049	0.0151745	0.7766467	0.3195126	8	0.95080185
ENSG00000146530	7	VWDE	12370511	rs6945190	7	12357020	G	A	0.514911	-0.0008969	0.00804674	0.911253	-0.667964	0.082485	5.59E-16	0.0013427	0.0120478	0.9112614	0.9171181	20	0.98076095
ENSG00000229618	7	AC011288.2	13141016	rs4236278	7	13155939	T	C	0.162028	-0.0054029	0.0107122	0.614002	-0.394164	0.0691299	1.19E-08	0.0137072	0.0272831	0.6153812	0.673804	18	0.90062993
ENSG00000224280	7	AC005014.5	16623407	rs10269268	7	16627411	A	G	0.34493	-0.012375	0.00832593	0.137195	-0.593492	0.0841042	1.71E-12	0.0208512	0.0143365	0.145833	0.2917606	8	0.66222016
ENSG00000272361	7	GS1-166A23.2	16633253	rs476045	7	16620629	T	G	0.338966	0.00212089	0.00834008	0.799263	-0.495348	0.0795152	4.68E-10	-0.0042816	0.0168508	0.7994266	0.3066897	6	0.95632975
ENSG00000237773	7	AC003075.4	17319458	rs4719497	7	17334899	C	T	0.124254	0.00291338	0.0126872	0.818378	0.969168	0.143164	1.29E-11	0.00300606	0.0130983	0.8184808	0.1801995	5	0.9628767
ENSG00000271133	7	CTA-293F17.1	20367922	rs2240046	7	20371273	G	C	0.0536779	-0.0328253	0.0188611	0.0817937	-1.07173	0.114366	7.18E-21	0.0306283	0.0178997	0.08706054	0.00592828	9	0.61929877
ENSG00000196683	7	TOMM7	22852251	rs2240726	7	22853135	T	C	0.331014	-0.0024555	0.00824393	0.765813	-0.316684	0.0364655	3.80E-18	0.00775375	0.0260473	0.765948	0.9521308	17	0.94248016
ENSG00000230658	7	KLHL7-AS1	23140847	rs10256524	7	23144947	C	T	0.34493	-0.0024097	0.00867881	0.781279	1.00636	0.0785773	1.49E-37	-0.0023945	0.00862599	0.7813295	0.1386171	20	0.95247675
ENSG00000136243	7	NUPL2	23221446	rs858289	7	23248158	T	C	0.370775	0.00096703	0.00829733	0.907219	-0.72889	0.0756094	5.41E-22	-0.0013267	0.0113843	0.9072255	0.5115419	20	0.98043565
ENSG00000136235	7	GPNMB	23275586	rs199357	7	23288309	A	G	0.375746	0.00319838	0.00829287	0.699734	-0.737074	0.0731913	7.46E-24	-0.0043393	0.0112593	0.6999442	0.4667581	20	0.92824256
ENSG00000188732	7	FAM221A	23719749	rs56391241	7	23719766	A	G	0.470179	0.0114117	0.00809232	0.158483	0.351189	0.0585099	1.95E-09	0.0324945	0.0236701	0.1698118	0.1481619	19	0.68081994
ENSG00000105928	7	DFNA5	24737972	rs2721811	7	24749429	G	A	0.421471	0.0296628	0.00805688	0.00023171	0.570129	0.068604	9.54E-17	0.0520282	0.0154564	0.00076229	0.3890026	20	0.23528574
ENSG00000225792	7	AC004540.4	26411764	rs6461933	7	26416413	G	A	0.681909	0.00991528	0.00879513	0.259591	-0.556703	0.0788669	1.68E-12	-0.0178107	0.0159988	0.2656004	0.9745291	9	0.7495404
ENSG00000214870	7	AC004540.5	26438213	rs1229664	7	26438699	A	G	0.403579	-0.0032411	0.00806027	0.687605	-0.695821	0.0734962	2.87E-21	0.00465795	0.0115943	0.687871	0.05140397	6	0.92403695
ENSG00000233760	7	AC004947.2	26591441	rs2190190	7	26625527	C	T	0.454274	0.00024068	0.00848691	0.977376	0.639554	0.113423	1.71E-08	0.00037632	0.0132702	0.9773762	0.07370322	16	0.99106084
ENSG00000234336	7	JAZF1-AS1	28219941	rs10281102	7	28243473	G	A	0.0904573	-0.0233952	0.0152263	0.124415	-0.81795	0.102795	1.76E-15	0.0286022	0.0189591	0.1313932	0.1923485	7	0.66222016
ENSG00000272568	7	CTB-113D17.1	29019583	rs76335499	7	29039241	T	C	0.084493	0.00456232	0.0170198	0.788653	1.00059	0.115727	5.33E-18	0.00455963	0.0170179	0.7887526	0.8919021	7	0.95332026
ENSG00000106066	7	CPVL	29034847	rs10256731	7	29195582	T	C	0.375746	0.00462949	0.0082009	0.572407	-0.423455	0.0725893	5.43E-09	-0.0109327	0.0194571	0.5741942	0.5554957	3	0.89127357
ENSG00000223813	7	AC007255.8	29553841	rs79351313	7	29590471	A	G	0.0188867	-0.0543347	0.0548566	0.321937	1.95154	0.311949	3.95E-10	-0.027842	0.0284595	0.3279258	0.3805771	6	0.78827271
ENSG00000006625	7	GGCT	30536237	rs38438	7	30560395	T	C	0.736581	-0.003517	0.00884152	0.690792	-0.285846	0.0479403	2.48E-09	0.0123038	0.0309998	0.691442	0.7316492	6	0.92403695
ENSG00000196295	7	AC005154.6	30555925	rs38487	7	30614508	G	A	0.756461	0.00082928	0.00893581	0.926059	-1.2807	0.0843635	4.74E-52	-0.0006475	0.00697742	0.9260606	0.1865117	20	0.98372284
ENSG00000244480	7	AC005154.7	30562759	rs1049402	7	30634661	G	C	0.763419	0.00014366	0.00895139	0.987196	-0.633693	0.0964108	4.94E-11	-0.0002267	0.0141258	0.9871956	0.1240589	7	0.99393846
ENSG00000226468	7	AC018641.7	32496575	rs62458101	7	32474897	T	C	0.144135	-0.0147177	0.0124193	0.235991	0.96885	0.117655	1.80E-16	-0.0151909	0.0129507	0.2408029	0.2366845	20	0.73450129
ENSG00000229358	7	DPY19L1P1	32620561	rs7801939	7	32841025	A	C	0.083499	0.00615444	0.0129054	0.633441	-0.659676	0.114114	7.43E-09	-0.0093295	0.0196297	0.6345915	0.842625	7	0.90875633
ENSG00000164610	7	RP9	33134409	rs2893441	7	32961379	A	C	0.185885	-0.0050358	0.00977905	0.606585	0.608878	0.0881726	5.00E-12	-0.0082705	0.0161054	0.6075827	0.8244828	9	0.89820614
ENSG00000122507	7	BBS9	33168856	rs1362368	7	33197232	A	C	0.399602	-0.0055159	0.00806814	0.494187	-0.415379	0.0669772	5.58E-10	0.0132792	0.0195412	0.4967908	0.2290813	6	0.86791667
ENSG00000164619	7	BMPER	33944523	rs4720145	7	33948982	G	A	0.647117	-0.0021159	0.00834571	0.799855	-0.259199	0.0408995	2.34E-10	0.00816334	0.0322238	0.8000114	0.9903541	17	0.95638476
ENSG00000173852	7	DPY19L1	34968488	rs1649218	7	34982553	A	G	0.299205	0.0189683	0.00875317	0.0302336	0.273536	0.0391858	2.94E-12	0.0693448	0.0335066	0.03849092	0.91392	20	0.48722943
ENSG00000010270	7	STARD3NL	38217824	rs2534597	7	38277800	A	T	0.797217	0.0158993	0.00958829	0.097277	0.444596	0.0759094	4.72E-09	0.0357612	0.022414	0.110603	0.9696122	4	0.63721688
ENSG00000227191	7	TRGC2	38279181	rs11973716	7	38296768	G	A	0.459245	0.00326631	0.00808161	0.686091	-0.724115	0.0641709	1.57E-29	-0.0045108	0.0111678	0.6862813	0.3414339	20	0.92403695
ENSG00000211688	7	TRGJP2	38295938	rs11973716	7	38296768	G	A	0.459245	0.00326631	0.00808161	0.686091	-0.673512	0.0732799	3.89E-20	-0.0048497	0.0120108	0.6863778	0.3877121	20	0.92403695
ENSG00000211689	7	TRGC1	38297480	rs2270169	7	38323398	A	G	0.457256	0.00030713	0.00808912	0.969713	-0.547665	0.0775612	1.65E-12	-0.0005608	0.0147704	0.9697139	0.6021458	11	0.98951095
ENSG00000136197	7	C7orf25	42948325	rs616746	7	42942731	T	G	0.870775	-0.0086179	0.0154941	0.578072	-0.611233	0.0760463	9.16E-16	0.0140991	0.0254095	0.5789797	0.5905629	18	0.89127357
ENSG00000106603	7	COA1	43648055	rs10951738	7	43673051	G	C	0.494036	-0.0017854	0.00809746	0.825489	-0.258143	0.0453305	1.24E-08	0.0069164	0.0313916	0.8256171	0.7269806	4	0.96394856
ENSG00000241057	7	AC004985.12	44001189	rs62458721	7	44045576	A	C	0.131213	0.00456694	0.0106803	0.66894	0.624589	0.111535	2.14E-08	0.00731191	0.0171495	0.6698434	0.3684374	10	0.91884947
ENSG00000228903	7	RASA4CP	44066550	rs374750779	7	44067720	A	G	0.132207	0.0180096	0.0119732	0.132542	-0.496944	0.0854395	6.02E-09	-0.0362407	0.0248863	0.1453232	0.243764	5	0.66222016
ENSG00000235314	7	LINC00957	44078770	rs6969124	7	44094072	A	G	0.149105	0.00531995	0.0100226	0.595561	-0.575054	0.0901266	1.76E-10	-0.0092512	0.0174892	0.5968275	0.5402205	8	0.89572075
ENSG00000122678	7	POLM	44111846	rs28382637	7	44120037	C	T	0.0854871	0.00875222	0.0129019	0.49754	0.557119	0.0852273	6.28E-11	0.0157098	0.0232826	0.4998389	0.1547216	10	0.8682043
ENSG00000106624	7	AEBP1	44143960	rs2537193	7	44140670	C	G	0.328032	0.00265496	0.00868492	0.759834	0.334359	0.0603645	3.04E-08	0.00794045	0.0260144	0.7601886	0.01433045	4	0.94074281
ENSG00000106628	7	POLD2	44154286	rs137888771	7	44182127	A	T	0.0119284	0.0571982	0.0519478	0.270866	-1.90621	0.211214	1.80E-19	-0.0300062	0.0274539	0.2744085	0.9671564	6	0.7558172
ENSG00000058404	7	CAMK2B	44256749	rs7789273	7	44232605	T	C	0.402584	0.0042092	0.00806038	0.601525	0.254327	0.0380649	2.37E-11	0.0165503	0.0317896	0.6026309	0.1191635	3	0.89572075
ENSG00000122515	7	ZMIZ2	44788180	rs11984372	7	44841646	C	A	0.388668	-0.0056793	0.0081398	0.485354	0.239833	0.0383129	3.85E-10	-0.0236801	0.0341496	0.4880446	0.4423146	11	0.86791667
ENSG00000136270	7	TBRG4	45139699	rs4553	7	45139892	A	G	0.27336	-0.017339	0.0100579	0.0847247	0.335639	0.0525382	1.68E-10	-0.0516597	0.0310383	0.09603557	0.9697902	12	0.62977339
ENSG00000214765	7	SEPT7P2	45763379	rs2960287	7	45765234	T	G	0.489066	0.0150244	0.00806781	0.0625662	-0.3367	0.0437358	1.38E-14	-0.0446225	0.0246525	0.07028655	0.02697772	7	0.5772258
ENSG00000272556	7	RP11-638I8.1	45854201	rs3735666	7	45761952	C	A	0.17992	0.0167727	0.0118955	0.15854	-0.631423	0.0831381	3.08E-14	-0.0265633	0.0191611	0.1656506	0.00697406	20	0.67999547
ENSG00000158683	7	PKD1L1	47814250	rs3176478	7	48020784	T	A	0.500994	-0.006749	0.00815087	0.407667	-0.461966	0.0784692	3.93E-09	0.0146092	0.0178175	0.4122524	0.4649166	14	0.83513226
ENSG00000132436	7	FIGNL1	50511831	rs12154303	7	50515627	A	G	0.457256	0.0129931	0.00821633	0.113793	0.613814	0.0601767	1.98E-24	0.0211678	0.0135456	0.1181217	0.126037	20	0.64702295
ENSG00000132432	7	SEC61G	54819943	rs2699242	7	54843648	G	A	0.055666	0.0160962	0.0205292	0.433002	-0.598395	0.108482	3.47E-08	-0.026899	0.0346519	0.4375949	0.4493929	3	0.8522258
ENSG00000226278	7	PSPHP1	55832490	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	1.14628	0.0793002	2.33E-47	0.0114079	0.00811538	0.1598109	0.5251897	20	0.67732719
ENSG00000146733	7	PSPH	56078744	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.747084	0.0737569	4.11E-24	0.0175035	0.0125126	0.1618525	0.4186781	20	0.67999547
ENSG00000129103	7	SUMF2	56131695	rs12154781	7	56074020	A	G	0.205765	-7.77E-05	0.00896287	0.993081	0.618565	0.0757107	3.08E-16	-0.0001256	0.0144898	0.9930812	0.8160734	20	0.99666195
ENSG00000106153	7	CHCHD2	56169262	rs4948107	7	56173407	T	C	0.154076	-0.0024901	0.0105242	0.812963	0.572284	0.0725801	3.15E-15	-0.0043511	0.0183981	0.8130457	0.9452527	20	0.96204877
ENSG00000185290	7	NUPR1L	56182374	rs10232851	7	55828834	A	G	0.234592	0.0130766	0.00925841	0.157832	0.98772	0.107448	3.84E-20	0.0132392	0.00948351	0.1627083	0.6134054	20	0.67999547
ENSG00000173041	7	ZNF680	63980262	rs73139684	7	63882315	A	G	0.223658	0.0122874	0.00934471	0.188542	-0.338872	0.0501292	1.38E-11	-0.0362597	0.0280928	0.196803	0.4549006	20	0.69978378
ENSG00000196247	7	ZNF107	64126511	rs6460175	7	64126722	A	G	0.83499	-0.012704	0.0106209	0.231646	-0.391637	0.0606049	1.03E-10	0.0324382	0.0275799	0.2395336	0.6192399	3	0.73450129
ENSG00000197008	7	ZNF138	64254766	rs11773456	7	64401406	C	T	0.475149	0.0136536	0.00806061	0.0902901	-0.410159	0.0668762	8.62E-10	-0.0332886	0.0203882	0.1025236	0.819796	20	0.63021019
ENSG00000182722	7	SEPHS1P1	64312775	rs2863984	7	64314296	A	G	0.44334	-0.0088861	0.0081543	0.275828	-0.544161	0.0722945	5.19E-14	0.0163298	0.0151413	0.280813	0.3621044	20	0.76113949
ENSG00000213640	7	RP11-797H7.3	64323377	rs10271473	7	64324235	G	A	0.493042	-0.0132089	0.0080817	0.102169	-0.972973	0.0708148	5.87E-43	0.0135758	0.00836475	0.104594	0.7381269	20	0.63225442
ENSG00000189316	7	RP11-797H7.5	64348905	rs13223142	7	64382270	A	G	0.472167	0.0137599	0.00805598	0.0876294	-0.575203	0.0779303	1.57E-13	-0.0239218	0.0143756	0.09610028	0.8283073	20	0.62977339
ENSG00000270948	7	RP11-460N20.7	64402521	rs10231956	7	64762394	A	G	0.521869	0.00516554	0.00809722	0.523514	0.438214	0.0778727	1.83E-08	0.0117877	0.0185961	0.5261593	0.3855799	20	0.87915609
ENSG00000152926	7	ZNF117	64432154	rs4718244	7	64916237	A	G	0.567594	0.00543583	0.00819681	0.507225	-0.395802	0.0570408	3.95E-12	-0.0137337	0.0208037	0.5091537	0.8327618	20	0.87138801
ENSG00000213462	7	ERV3-1	64451187	rs1060379	7	64435489	T	A	0.560636	0.00452282	0.00815238	0.579042	-0.782131	0.0620132	1.81E-36	-0.0057827	0.0104334	0.5794083	0.9818562	20	0.89127357
ENSG00000234585	7	CCT6P3	64498732	rs35679667	7	64498368	A	C	0.56163	0.00524043	0.00814636	0.520039	-0.999777	0.0729518	9.53E-43	-0.0052416	0.00815715	0.5204984	0.9403326	20	0.87741473
ENSG00000226002	7	RP11-460N20.5	64544481	rs13232826	7	64481211	C	A	0.398608	-0.0043526	0.00830894	0.600384	0.994841	0.0911558	9.92E-28	-0.0043752	0.00836164	0.6008027	0.6334605	20	0.89572075
ENSG00000164669	7	INTS4L1	64601603	rs11772543	7	64761611	C	T	0.379722	-0.0013292	0.0084698	0.875302	-0.68071	0.0681051	1.60E-23	0.00195259	0.0124441	0.8753167	0.07607524	20	0.97609174
ENSG00000237310	7	GS1-124K5.4	65958693	rs6974614	7	65694123	G	A	0.628231	0.0125573	0.00833675	0.132001	-0.557869	0.0669419	7.84E-17	-0.0225094	0.0151861	0.138276	0.3393896	12	0.66222016
ENSG00000226824	7	RP4-756H11.3	66119525	rs2659909	7	66160279	A	G	0.542744	-0.0145459	0.00826285	0.0783394	-1.16681	0.0790647	2.75E-49	0.0124664	0.00713178	0.08046319	0.8747697	18	0.60486272
ENSG00000273142	7	RP11-458F8.4	66367844	rs13227468	7	66433563	C	T	0.282306	-0.005991	0.00836885	0.474075	-0.333767	0.0561507	2.78E-09	0.0179495	0.0252551	0.4772524	0.08161308	7	0.86100048
ENSG00000198874	7	TYW1	66460160	rs113737600	7	66615118	A	C	0.212724	-0.0167389	0.0109984	0.128022	0.727441	0.0856021	1.93E-17	-0.0230107	0.0153599	0.1341064	0.7649134	8	0.66222016
ENSG00000106610	7	STAG3L4	66767608	rs17137359	7	66783821	T	C	0.39165	0.00270255	0.00891507	0.761781	-0.926835	0.0779103	1.24E-32	-0.0029159	0.00962195	0.7618551	0.4029604	20	0.94103875
ENSG00000273448	7	RP11-166O4.6	66798034	rs4717364	7	66787661	T	C	0.393638	0.00352734	0.00892391	0.692645	0.672006	0.0973125	5.00E-12	0.00524897	0.0133012	0.6931215	0.3887118	20	0.92469139
ENSG00000196313	7	POM121	72349936	rs113522666	7	72417063	A	G	0.522863	0.0121004	0.00809886	0.135152	-0.270026	0.0401838	1.82E-11	-0.044812	0.0307253	0.1447107	0.6721423	9	0.66222016
ENSG00000106133	7	NSUN5P2	72418120	rs6460040	7	72392946	C	T	0.677932	0.0106285	0.00890076	0.232433	-0.714234	0.108242	4.15E-11	-0.014881	0.0126644	0.2399843	0.3225748	17	0.73450129
ENSG00000176410	7	DNAJC30	73095299	rs13234498	7	73104905	G	T	0.446322	-0.001689	0.00821848	0.837174	-0.21924	0.0374871	4.96E-09	0.00770375	0.0375094	0.8372736	0.02057292	3	0.9693515
ENSG00000165171	7	WBSCR27	73248920	rs1073909	7	73258289	C	G	0.727634	0.00539556	0.00869525	0.534917	-1.13126	0.0882711	1.34E-37	-0.0047695	0.00769535	0.5353947	0.2232748	20	0.8813815
ENSG00000196275	7	GTF2IRD2	74210483	rs810366	7	74140925	G	C	0.806163	-0.0368269	0.0104766	0.0004395	-0.737687	0.0783841	4.91E-21	0.0499221	0.0151603	0.0009914	0.09204421	20	0.23528574
ENSG00000123965	7	PMS2P5	74306894	rs1635749	7	74360737	C	T	0.809145	-0.0231069	0.0104641	0.0272301	-1.18061	0.100401	6.35E-32	0.019572	0.00901823	0.02998627	0.03658933	20	0.43883497
ENSG00000184616	7	AC004166.6	74320406	rs587659729	7	74337546	A	G	0.0238569	0.024132	0.0205982	0.241374	-1.10544	0.15844	3.01E-12	-0.0218302	0.0188944	0.2479335	0.8581161	5	0.73450129
ENSG00000205583	7	STAG3L1	74988448	rs113160991	7	75094329	G	A	0.810139	0.0086599	0.0112174	0.440112	-0.700314	0.11502	1.14E-09	-0.0123657	0.0161459	0.4437512	0.3009101	5	0.8522258
ENSG00000127957	7	PMS2P3	75132254	rs6963105	7	75097488	A	G	0.460239	-0.0105786	0.00808796	0.190894	0.562037	0.0880111	1.70E-10	-0.0188219	0.0146892	0.2000727	0.1101369	11	0.70207968
ENSG00000127952	7	STYXL1	75625656	rs56163935	7	75788744	C	T	0.186879	-0.0295893	0.00872997	0.00070049	-0.650972	0.0863951	4.89E-14	0.045454	0.014705	0.00199446	0.3335868	10	0.24091354
ENSG00000188372	7	ZP3	76026835	rs2527935	7	76254810	T	C	0.298211	-0.0095262	0.00953525	0.31777	0.981126	0.104537	6.27E-21	-0.0097095	0.00977359	0.3204963	0.7985966	20	0.78475979
ENSG00000243566	7	UPK3B	76139745	rs4728788	7	76136719	G	A	0.406561	0.00069689	0.00806617	0.931151	-0.877829	0.0883244	2.83E-23	-0.0007939	0.00918912	0.9311537	0.9001955	20	0.98590744
ENSG00000205485	7	AC004980.7	76178677	rs2006268	7	76255998	C	T	0.301193	-0.0103903	0.0095403	0.276112	0.73575	0.0961489	1.98E-14	-0.0141221	0.0130974	0.2809311	0.6348126	11	0.76113949
ENSG00000146707	7	POMZP3	76239303	rs10268836	7	76222939	A	G	0.208748	0.0119791	0.0109105	0.27223	-1.2727	0.0928631	9.46E-43	-0.0094124	0.00860019	0.2737638	0.4642433	20	0.7558172
ENSG00000186088	7	GSAP	76940068	rs4727380	7	77045806	C	G	0.663022	-0.0027265	0.00841185	0.745846	0.598445	0.0602005	2.76E-23	-0.0045559	0.0140636	0.7459765	0.498066	10	0.93648451
ENSG00000127947	7	PTPN12	77166592	rs4727461	7	77320388	A	G	0.398608	0.0098902	0.00851619	0.245504	-0.303118	0.0536752	1.63E-08	-0.0326282	0.0286832	0.2553141	0.649807	9	0.73867822
ENSG00000214293	7	RSBN1L-AS1	77286977	rs34370301	7	77321144	A	G	0.141153	0.00161827	0.0129735	0.900732	-0.850064	0.0927832	5.10E-20	-0.0019037	0.0152632	0.9007412	0.8679264	20	0.97946314
ENSG00000234456	7	MAGI2-AS3	79082198	rs10272060	7	79077696	A	G	0.302187	0.00782907	0.00852748	0.358567	0.351776	0.0590457	2.56E-09	0.0222558	0.0245274	0.3642017	0.1185112	8	0.81680835
ENSG00000157214	7	STEAP2	89796904	rs194523	7	89860574	T	A	0.511928	-0.0060254	0.00816496	0.460539	0.325594	0.0381454	1.39E-17	-0.0185059	0.0251707	0.4622074	0.04395324	20	0.85681817
ENSG00000225498	7	AC002064.5	89941810	rs42651	7	89978590	G	A	0.576541	-0.0029525	0.00829987	0.722041	0.536095	0.0838397	1.61E-10	-0.0055075	0.015506	0.7224535	0.1702722	12	0.93391705
ENSG00000223969	7	AC002456.2	90219933	rs55698596	7	90297200	A	G	0.0457256	0.0190756	0.0185347	0.303394	1.24938	0.192637	8.83E-11	0.0152681	0.0150207	0.3094081	0.1997395	3	0.78156035
ENSG00000177409	7	SAMD9L	92759368	rs75069192	7	92820113	T	C	0.0427435	-0.0113878	0.022891	0.618851	-0.607821	0.111215	4.62E-08	0.0187355	0.0378165	0.6202958	0.7324121	9	0.90272968
ENSG00000127995	7	CASD1	94138531	rs17166357	7	94189270	G	A	0.141153	-0.0003382	0.0109679	0.975404	-0.303379	0.0470473	1.13E-10	0.00111465	0.0361529	0.975404	0.5473207	4	0.99106084
ENSG00000231170	7	AC002451.3	95225994	rs2301630	7	95221269	T	C	0.447316	0.00481916	0.00814494	0.554068	0.547065	0.085804	1.82E-10	0.00880912	0.0149524	0.5557647	0.8935965	11	0.88769249
ENSG00000183444	7	OR7E38P	97595402	rs55735507	7	97611339	T	C	0.287276	-0.004962	0.00886242	0.575553	0.380224	0.0631782	1.76E-09	-0.0130502	0.0234091	0.5771954	0.6254515	3	0.89127357
ENSG00000180535	7	BHLHA15	97840739	rs7791463	7	97819047	A	G	0.50994	-0.0106964	0.0080553	0.184221	-0.672575	0.0810635	1.07E-16	0.0159037	0.0121292	0.1897953	0.06596076	20	0.69088256
ENSG00000272950	7	RP11-307C18.1	97952165	rs6951479	7	97888121	A	G	0.575547	-0.01948	0.00805761	0.0156236	0.748459	0.0877023	1.41E-17	-0.0260268	0.0111892	0.02001551	0.00883353	20	0.38942929
ENSG00000160917	7	CPSF4	99036545	rs917154	7	99020806	G	A	0.167992	0.00594585	0.00966927	0.538606	0.455179	0.0778889	5.10E-09	0.0130627	0.0213601	0.5408381	0.5161074	10	0.8813815
ENSG00000146833	7	TRIM4	99474581	rs2527926	7	99477524	A	G	0.532803	-0.0004191	0.0082107	0.959287	0.298581	0.0494752	1.59E-09	-0.0014038	0.0275001	0.959288	0.03603919	5	0.98751784
ENSG00000166529	7	ZSCAN21	99647390	rs4729567	7	99637242	A	G	0.606362	0.0130747	0.00817524	0.109754	-0.513064	0.079446	1.06E-10	-0.0254836	0.0164155	0.1205643	0.01579467	11	0.65227447
ENSG00000214309	7	MBLAC1	99724317	rs80331044	7	99646088	A	C	0.0675944	-0.0035182	0.0208199	0.865809	0.67233	0.100768	2.52E-11	-0.0052329	0.0309767	0.8658515	0.6771373	16	0.97475956
ENSG00000066923	7	STAG3	99775186	rs2950520	7	99827148	C	T	0.733598	-0.0279322	0.00907135	0.00207582	-0.39454	0.0628561	3.45E-10	0.0707969	0.0256097	0.00570184	0.7949794	18	0.29082583
ENSG00000213413	7	PVRIG	99815864	rs1623264	7	99811204	C	G	0.73161	-0.0279444	0.00907088	0.00206533	-0.486319	0.0816333	2.56E-09	0.057461	0.0209985	0.00621075	0.5905195	19	0.29082583
ENSG00000242294	7	STAG3L5P	99933702	rs11761253	7	99939321	T	C	0.175944	-0.0149863	0.00986104	0.128575	0.762434	0.0678171	2.52E-29	-0.0196559	0.0130513	0.1320542	0.6146279	20	0.66222016
ENSG00000121716	7	PILRB	99933737	rs10085549	7	99983135	T	C	0.177932	-0.0150274	0.00985786	0.127406	0.858027	0.0604004	8.45E-46	-0.0175139	0.0115549	0.1295937	0.5951532	20	0.66222016
ENSG00000085514	7	PILRA	99965153	rs1059129	7	99926522	G	A	0.176938	-0.0149971	0.00986308	0.128378	1.04663	0.0834647	4.52E-36	-0.0143289	0.00949268	0.131178	0.5688879	20	0.66222016
ENSG00000078487	7	ZCWPW1	99998449	rs4385401	7	100099466	C	T	0.196819	-0.0191164	0.00965093	0.0476157	0.6737	0.0746787	1.86E-19	-0.0283752	0.0146665	0.05302754	0.6320992	12	0.54356555
ENSG00000106404	7	CLDN15	100875373	rs73713820	7	100898967	T	C	0.0596421	-0.007745	0.0170817	0.650252	0.66122	0.111504	3.03E-09	-0.0117132	0.025909	0.6512031	0.2325008	8	0.91384759
ENSG00000160999	7	SH2B2	101928405	rs803071	7	101927603	A	G	0.364811	0.00350231	0.00816857	0.668102	0.598638	0.0624855	9.66E-22	0.00585046	0.0136589	0.6684141	0.1661405	14	0.91884947
ENSG00000267368	7	UPK3BL	102277472	rs62483497	7	102332238	G	A	0.687873	-0.0009192	0.00836823	0.912534	-0.613972	0.109005	1.78E-08	0.00149713	0.0136323	0.9125503	0.4142813	8	0.98076095
ENSG00000228049	7	POLR2J2	102277474	rs62483507	7	102350540	G	A	0.799205	0.00122806	0.0142066	0.931115	-1.40066	0.143741	1.95E-22	-0.0008768	0.0101432	0.931117	0.8409042	15	0.98590744
ENSG00000170632	7	ARMC10	102715328	rs55817310	7	102672831	C	T	0.12326	0.00160803	0.0144347	0.911299	-0.450557	0.0693374	8.14E-11	-0.003569	0.0320422	0.9113119	0.00224745	6	0.98076095
ENSG00000223886	7	RP11-251G23.2	105170656	rs11766225	7	105163157	T	C	0.417495	-0.0021883	0.00831758	0.792476	-0.605367	0.110742	4.59E-08	0.00361488	0.0137556	0.7927103	0.4761194	3	0.95536852
ENSG00000128536	7	CDHR3	105517242	rs10808145	7	105556339	C	T	0.286282	0.0114901	0.00881789	0.192559	0.541402	0.0869114	4.68E-10	0.0212229	0.0166397	0.2021538	0.07712954	10	0.70391756
ENSG00000241764	7	AC002467.7	107383262	rs7787927	7	107404360	A	C	0.266402	-0.0014826	0.00859531	0.863049	0.768474	0.0980445	4.58E-15	-0.0019293	0.0111876	0.8630819	0.3252166	8	0.97475956
ENSG00000091140	7	DLD	107531415	rs4266570	7	107500486	G	A	0.39662	0.00040089	0.00824268	0.96121	0.303762	0.0381119	1.58E-15	0.00131973	0.0271358	0.9612107	0.5991182	20	0.98751784
ENSG00000177683	7	THAP5	108194987	rs40915	7	108182719	T	C	0.318091	-0.0164083	0.00873705	0.0603796	0.446241	0.0547675	3.70E-16	-0.03677	0.0200926	0.06724516	0.1691325	15	0.57336388
ENSG00000128534	7	NAA38	117824086	rs10229589	7	117848749	A	G	0.666998	0.00541012	0.00989412	0.584515	0.392743	0.0641647	9.31E-10	0.0137752	0.0252927	0.5860062	0.08744107	15	0.89271255
ENSG00000196937	7	FAM3C	120988905	rs2707468	7	120977064	G	A	0.163022	-0.0216321	0.0107392	0.0439774	-0.306985	0.0426858	6.40E-13	0.0704663	0.0363291	0.05242027	0.7215712	8	0.54356555
ENSG00000272686	7	RP11-390E23.6	123389122	rs1608860	7	123202153	T	C	0.139165	-0.0103795	0.0116411	0.372594	0.600888	0.100994	2.69E-09	-0.0172736	0.0195895	0.3778964	0.7434295	6	0.82000125
ENSG00000242593	7	RP5-921G16.1	123672259	rs10235939	7	124032560	A	C	0.241551	-0.0084861	0.00937036	0.365129	-0.950867	0.103729	4.87E-20	0.00892463	0.00990252	0.367456	0.1630805	20	0.81680835
ENSG00000165055	7	METTL2B	128116783	rs7785264	7	128141638	A	G	0.491054	0.0013869	0.00809345	0.86394	-0.575029	0.0986677	5.61E-09	-0.0024119	0.0140809	0.8639983	0.5019552	8	0.97475956
ENSG00000273270	7	RP11-212P7.2	128164070	rs10464538	7	128180387	A	C	0.290258	-0.0111962	0.00900116	0.21355	-0.482185	0.0517846	1.26E-20	0.0232197	0.0188333	0.2176094	0.3026634	20	0.71524904
ENSG00000230715	7	RP11-274B21.4	128292895	rs2402923	7	128281256	A	G	0.410537	-0.0053434	0.00810587	0.509766	0.423013	0.0573653	1.66E-13	-0.0126318	0.0192386	0.5114483	0.1452867	7	0.87180736
ENSG00000271553	7	RP11-274B21.10	128307097	rs339072	7	128364080	T	G	0.597416	-0.0070067	0.00857844	0.414052	0.55859	0.0851472	5.37E-11	-0.0125436	0.0154759	0.4176381	0.1091105	20	0.83980935
ENSG00000135248	7	FAM71F1	128349115	rs339066	7	128371206	A	G	0.587475	-0.0044478	0.00831119	0.592538	-0.647043	0.0942111	6.51E-12	0.00687409	0.0128838	0.5936568	0.1761174	10	0.89572075
ENSG00000272899	7	RP11-309L24.9	128510821	rs13227216	7	128490553	C	T	0.17992	0.00503819	0.0100712	0.616895	0.39565	0.0563954	2.29E-12	0.012734	0.0255195	0.6177863	0.08131389	20	0.90088656
ENSG00000226380	7	MIR29B1	130561495	rs731729	7	130566795	C	T	0.0974155	-0.0155726	0.0141718	0.271835	-0.560154	0.0910493	7.64E-10	0.0278006	0.0257002	0.2793746	0.5556403	8	0.76047602
ENSG00000131558	7	EXOC4	132937829	rs73156939	7	133608447	T	A	0.128231	0.00597073	0.0116506	0.608314	-0.512097	0.0743605	5.71E-12	-0.0116594	0.0228137	0.6093024	0.9921454	6	0.89891484
ENSG00000243317	7	C7orf73	135347244	rs3110823	7	135357476	C	A	0.148111	-0.0103812	0.0106274	0.328655	-0.418731	0.0570986	2.24E-13	0.0247921	0.0256042	0.3329039	0.1883443	20	0.79620366
ENSG00000006459	7	JHDM1D	139784546	rs62491439	7	139869719	T	C	0.0775348	0.00091579	0.0144677	0.949528	0.698235	0.0969006	5.78E-13	0.00131158	0.0207212	0.9495302	0.9248159	6	0.98751784
ENSG00000133597	7	ADCK2	140372953	rs2930320	7	140375762	G	A	0.0725646	-0.0040914	0.0148453	0.782853	-0.455531	0.0820509	2.83E-08	0.00898165	0.0326291	0.7831128	0.733965	3	0.95287855
ENSG00000090263	7	MRPS33	140705854	rs2968552	7	140388004	T	C	0.0248509	-0.0200539	0.020221	0.321325	-0.906658	0.126093	6.46E-13	0.0221185	0.0225139	0.3258852	0.7051113	20	0.78543469
ENSG00000228775	7	WEE2-AS1	141404138	rs12703407	7	141482130	T	C	0.466203	-0.0004665	0.00806745	0.953893	0.848976	0.0697862	4.75E-34	-0.0005494	0.00950267	0.9538932	0.9459162	20	0.98751784
ENSG00000127364	7	TAS2R4	141478242	rs57641758	7	141479730	G	A	0.472167	-0.0014843	0.00804185	0.853565	0.83753	0.0658676	4.86E-37	-0.0017722	0.00960288	0.85358	0.9817095	20	0.97447565
ENSG00000165076	7	PRSS37	141536086	rs1285933	7	141627149	A	G	0.531809	0.00283119	0.00806249	0.725471	0.542203	0.0860331	2.93E-10	0.00522164	0.0148929	0.7258795	0.967762	10	0.93525541
ENSG00000257335	7	MGAM	141607613	rs7806962	7	141524822	A	G	0.45328	-0.0029285	0.0081112	0.718069	-0.500564	0.0787062	2.02E-10	0.00585034	0.0162302	0.7185032	0.9950447	11	0.93305022
ENSG00000155660	7	PDIA4	148700154	rs6952916	7	148724945	C	T	0.217694	-0.0085018	0.011668	0.46622	0.464799	0.0670036	4.01E-12	-0.0182913	0.0252414	0.4686642	0.2762787	12	0.85681817
ENSG00000197362	7	ZNF786	148766735	rs74607840	7	148781247	A	G	0.59841	-0.0117312	0.00872557	0.178801	0.60023	0.0511663	8.84E-32	-0.0195445	0.0146322	0.1816413	0.8664409	20	0.6842715
ENSG00000181444	7	ZNF467	149461271	rs709062	7	149472640	T	C	0.156064	-0.0026391	0.012273	0.829739	-0.573967	0.0822917	3.06E-12	0.00459805	0.0213929	0.8298193	0.2501208	9	0.96534757
ENSG00000197558	7	SSPO	149473131	rs6960187	7	149530894	G	A	0.803181	-0.0054833	0.0100041	0.583617	-0.488311	0.0603944	6.20E-16	0.0112292	0.0205342	0.5844803	0.1931031	7	0.8922635
ENSG00000204934	7	ATP6V0E2-AS1	149564786	rs2373465	7	149563134	C	T	0.604374	-0.0013951	0.00807664	0.86286	0.474281	0.0697362	1.04E-11	-0.0029415	0.0170347	0.8629043	0.09198901	12	0.97475956
ENSG00000171130	7	ATP6V0E2	149570057	rs6947011	7	149575725	T	C	0.600398	-0.0032429	0.00807086	0.687827	0.34116	0.0375179	9.61E-20	-0.0095056	0.0236802	0.6881151	0.366586	20	0.92403695
ENSG00000106526	7	ACTR3C	149941005	rs3757427	7	149970534	G	T	0.0954274	-0.0137677	0.00991714	0.165054	-1.00789	0.135573	1.05E-13	0.0136599	0.0100096	0.1723527	0.2271589	7	0.68081994
ENSG00000127399	7	LRRC61	150019728	rs73170169	7	150008036	A	G	0.261431	-0.0111854	0.00913416	0.220736	0.896231	0.0692851	2.84E-38	-0.0124805	0.0102373	0.2227997	0.9542453	20	0.72348534
ENSG00000188707	7	ZBED6CL	150026938	rs11769348	7	150026753	C	T	0.244533	-0.0087216	0.00915509	0.340766	-0.748846	0.0973549	1.45E-14	0.0116468	0.012319	0.3444393	0.5889288	19	0.80555318
ENSG00000261305	7	RP4-584D14.7	150038860	rs11769348	7	150026753	C	T	0.244533	-0.0087216	0.00915509	0.340766	0.664471	0.108236	8.30E-10	-0.0131257	0.0139429	0.3465068	0.2521322	8	0.80555318

ENSG00000106648	7	GALNTL5	151653464	rs10245251	7	151684773	C	A	0.954274	0.00881959	0.0120925	0.46579	-1.01516	0.162283	3.96E-10	-0.0086879	0.0119926	0.4687978	0.3118563	4	0.85681817
ENSG00000261455	7	LINC01003	152160871	rs3087586	7	152162209	C	A	0.353877	-0.0087098	0.00825885	0.291605	-0.506811	0.0724948	2.73E-12	0.0171856	0.0164801	0.2970371	0.8379005	5	0.7734327
ENSG00000196584	7	XRCC2	152341864	rs35545025	7	152376536	T	C	0.200795	0.0212767	0.00960402	0.0267331	0.774647	0.107845	6.82E-13	0.0274663	0.0129742	0.03426043	0.4672143	9	0.47071558
ENSG00000273344	7	PAXIP1-AS1	154795158	rs306274	7	154791009	A	G	0.604374	-0.0126289	0.00836067	0.130914	-0.374926	0.0616065	1.16E-09	0.0336837	0.0229761	0.1426399	0.6132732	6	0.66222016
ENSG00000218672	7	AC008060.7	155174771	rs4716544	7	155195682	A	G	0.536779	-0.0021396	0.00819001	0.793906	0.455695	0.0816259	2.37E-08	-0.0046952	0.0179922	0.7941256	0.7255943	3	0.95536852
ENSG00000182648	7	LINC01006	156264890	rs6459698	7	156430314	T	C	0.39165	-0.0093367	0.00808167	0.247969	-0.812602	0.0758735	9.14E-27	0.0114899	0.0100031	0.2507076	0.7805347	20	0.73488507
ENSG00000155093	7	PTPRN2	157331750	rs10262207	7	158400183	C	T	0.717694	-0.0076414	0.00928579	0.410557	0.237488	0.0372922	1.91E-10	-0.032176	0.0394251	0.4144259	0.4062224	11	0.83722696
ENSG00000117868	7	ESYT2	158523686	rs3816465	7	158528602	G	A	0.792247	-0.0058676	0.00980181	0.549427	-0.501508	0.0766929	6.19E-11	0.0116998	0.0196264	0.5510908	0.3965238	16	0.88412409
ENSG00000231419	7	LINC00689	158799213	rs2730263	7	158842900	T	C	0.682903	-0.0091969	0.00858256	0.283908	0.562238	0.0930772	1.54E-09	-0.0163577	0.0155033	0.2913756	0.6382061	16	0.77211871
ENSG00000106018	7	VIPR2	158820866	rs407303	7	158947724	T	G	0.630219	0.00890132	0.0085537	0.298043	-0.625733	0.0845656	1.37E-13	-0.0142254	0.0138044	0.3027761	0.4927276	16	0.77657782
ENSG00000182366	8	FAM87A	325931	rs7002743	8	329471	A	G	0.161034	0.00653635	0.0106669	0.540029	-0.495326	0.0762186	8.10E-11	-0.0131961	0.0216306	0.5418198	0.1112115	10	0.8813815
ENSG00000104714	8	ERICH1	564746	rs4735880	8	538482	C	T	0.233598	0.00535774	0.009651	0.578793	0.605415	0.102653	3.69E-09	0.0088497	0.0160116	0.5804651	0.288035	20	0.89127357
ENSG00000253982	8	CTD-2336O2.1	1710156	rs9022	8	1710977	C	A	0.688867	0.0132644	0.00952806	0.16388	0.309681	0.0461455	1.93E-11	0.0428325	0.0314224	0.1728446	0.1380343	9	0.68081994
ENSG00000253764	8	RP11-439C15.4	1920736	rs10216516	8	1921589	A	G	0.256461	0.0178794	0.00918146	0.0514944	0.420807	0.0695629	1.45E-09	0.0424884	0.0229213	0.06378781	0.07340545	7	0.57130238
ENSG00000036448	8	MYOM2	1993155	rs4876220	8	2075378	C	T	0.446322	0.0131483	0.00808165	0.103751	0.527172	0.0888004	2.91E-09	0.0249412	0.0158955	0.11663	0.2621746	8	0.64624497
ENSG00000271743	8	CTD-2541M15.3	6473125	rs3020259	8	6472795	A	C	0.358847	0.0161875	0.00844539	0.0552726	-0.640091	0.0924081	4.31E-12	-0.0252894	0.0136899	0.0647027	0.8133767	18	0.57158494
ENSG00000249898	8	CTD-2541M15.1	6475996	rs2114061	8	6530401	C	T	0.607356	-0.0026969	0.00814322	0.74051	-0.457587	0.0819717	2.37E-08	0.00589363	0.0178273	0.7409496	0.9251143	4	0.93606022
ENSG00000253893	8	FAM85B	8025341	rs10101399	8	8089277	T	G	0.449304	0.0186001	0.00823604	0.0239216	-0.928603	0.0859767	3.42E-27	-0.0200302	0.0090611	0.02706554	0.9364868	20	0.42271621
ENSG00000173295	8	FAM86B3P	8086117	rs1878561	8	8092405	C	A	0.480119	0.0135828	0.0082802	0.100923	-0.865325	0.0767187	1.66E-29	-0.0156968	0.00966956	0.1045216	0.1763624	20	0.63225442
ENSG00000233609	8	RP11-62H7.2	8818710	rs6981573	8	8821318	C	T	0.354871	0.0121083	0.00824982	0.142184	0.685901	0.0947349	4.48E-13	0.0176531	0.0122724	0.1503073	0.07044462	20	0.66222016
ENSG00000261451	8	RP11-981G7.1	10291182	rs4841345	8	10311653	A	T	0.276342	-0.006701	0.00906102	0.459577	-0.428163	0.0658358	7.85E-11	0.0156507	0.0212989	0.4624558	0.03305305	20	0.85681817
ENSG00000253678	8	RP11-981G7.3	10335001	rs10086950	8	10355378	A	C	0.290258	-0.0086126	0.00876281	0.325678	0.803024	0.0946594	2.19E-17	-0.0107252	0.0109853	0.3289039	0.3402996	20	0.78931491
ENSG00000272505	8	RP11-981G7.6	10344317	rs6990962	8	10295664	G	C	0.249503	-0.021827	0.00990439	0.0275404	-0.408797	0.0635123	1.22E-10	0.0533932	0.0256089	0.03707399	0.1262605	20	0.48016086
ENSG00000184647	8	PRSS55	10383056	rs7816338	8	10354361	G	C	0.0924453	-0.0138302	0.013582	0.308548	0.766729	0.129444	3.16E-09	-0.0180379	0.0179741	0.3155942	0.9356261	3	0.78450316
ENSG00000154316	8	TDH	11197146	rs12682349	8	11245303	G	C	0.521869	0.020372	0.00830044	0.014115	-0.505505	0.0821557	7.60E-10	-0.0403003	0.0176782	0.02262765	0.6186708	20	0.40523733
ENSG00000255020	8	AF131216.5	11203257	rs7816606	8	11205602	C	T	0.511928	0.015856	0.00824107	0.0543513	0.545494	0.0675044	6.43E-16	0.0290672	0.0155299	0.06124809	0.5359277	20	0.56204041
ENSG00000154319	8	FAM167A	11278972	rs374520559	8	12178636	G	C	0.640159	-0.0021116	0.0110712	0.848735	-0.19045	0.0329062	7.14E-09	0.0110876	0.0581634	0.8488161	0.1597145	20	0.97367605
ENSG00000206014	8	OR7E161P	11786101	rs71518543	8	11782326	C	T	0.421471	-0.0110684	0.0085223	0.194029	0.61645	0.097848	2.97E-10	-0.0179551	0.0141155	0.2033696	0.3667844	15	0.70391756
ENSG00000254507	8	RP11-481A20.10	11860909	rs4840609	8	11878338	C	G	0.478131	0.0205942	0.0084113	0.0143493	0.759552	0.0829408	5.30E-20	0.0271136	0.011463	0.01801454	0.1260043	20	0.38205274
ENSG00000255495	8	FAM85A	12051976	rs3988873	8	11986310	A	T	0.224652	-0.0126636	0.0132716	0.339989	0.680149	0.112403	1.44E-09	-0.0186189	0.0197539	0.3459157	0.8379738	5	0.80555318
ENSG00000227888	8	FAM66A	12219527	rs6601641	8	11840885	A	G	0.564612	0.0053038	0.00858607	0.536759	0.819113	0.0937549	2.40E-18	0.00647505	0.0105083	0.5377736	0.04583888	20	0.8813815
ENSG00000255556	8	RP11-351I21.6	12236188	rs189148572	8	12193572	G	A	0.293241	0.00520488	0.0114129	0.648352	-0.540279	0.0844034	1.54E-10	-0.0096337	0.0211776	0.6491817	0.07222185	20	0.91384759
ENSG00000251402	8	FAM90A25P	12272589	rs3988873	8	11986310	A	T	0.224652	-0.0126636	0.0132716	0.339989	0.643328	0.112874	1.20E-08	-0.0196845	0.0209167	0.3466585	0.7166624	3	0.80555318
ENSG00000145002	8	FAM86B2	12282913	rs3988873	8	11986310	A	T	0.224652	-0.0126636	0.0132716	0.339989	0.634434	0.114692	3.17E-08	-0.0199605	0.0212277	0.3470631	0.7863503	4	0.80555318
ENSG00000198791	8	CNOT7	17086737	rs117749248	8	17104025	T	C	0.0685885	0.0224964	0.0158733	0.156409	0.645546	0.0923304	2.72E-12	0.0348486	0.025089	0.1648331	0.2849385	20	0.67999547
ENSG00000254054	8	RP11-156K13.3	17763265	rs2517286	8	17724117	C	G	0.129225	0.0143047	0.0121613	0.239495	-0.600596	0.109906	4.64E-08	-0.0238175	0.0207125	0.2501806	0.6707971	6	0.73465091
ENSG00000078674	8	PCM1	17780349	rs478420	8	17792853	A	G	0.617296	-0.005097	0.00842751	0.545311	-0.570352	0.0607749	6.31E-21	0.00893655	0.0148066	0.5461425	0.1461631	20	0.8813815
ENSG00000147408	8	CSGALNACT1	19261672	rs10888163	8	19315034	T	G	0.431412	-0.0052088	0.00810189	0.520283	0.576551	0.0666941	5.39E-18	-0.0090344	0.0140911	0.5214326	0.6840921	20	0.87741473
ENSG00000104613	8	INTS10	19674651	rs7839968	8	19690038	A	G	0.200795	0.00224578	0.0100419	0.823037	-0.499353	0.0856144	5.46E-09	-0.0044974	0.0201246	0.8231645	0.9798221	5	0.96379398
ENSG00000120910	8	PPP3CC	22298332	rs2443506	8	22373383	C	T	0.459245	0.00625513	0.00809406	0.439638	-0.344682	0.0535952	1.27E-10	-0.0181475	0.0236516	0.442912	0.0934248	16	0.8522258
ENSG00000120913	8	PDLIM2	22435792	rs62492658	8	22484986	T	C	0.0904573	0.00046318	0.0156518	0.976392	-0.647025	0.0816974	2.38E-15	-0.0007159	0.0241906	0.976392	0.3200617	18	0.99106084
ENSG00000147439	8	BIN3	22477931	rs4242434	8	22501830	A	C	0.328032	-0.0002487	0.00905365	0.97809	0.328107	0.0595349	3.56E-08	-0.0007578	0.0275939	0.9780898	0.5254436	9	0.99106084
ENSG00000134020	8	PEBP4	22570769	rs6557604	8	22796318	A	G	0.799205	0.0164	0.0096633	0.0896706	0.623045	0.0962786	9.72E-11	0.0263223	0.0160343	0.1006674	0.7566541	7	0.63021019
ENSG00000248738	8	RP11-87E22.2	22735485	rs2466177	8	22737971	T	C	0.353877	0.00967976	0.00886402	0.27482	-0.578897	0.0515335	2.80E-29	-0.016721	0.0153841	0.277079	0.1054395	19	0.75850049
ENSG00000173535	8	TNFRSF10C	22941868	rs116703825	8	22943928	A	G	0.15507	-0.0201084	0.00969212	0.0380128	0.626284	0.0790837	2.39E-15	-0.0321075	0.0159979	0.04475135	0.09576231	20	0.51278326
ENSG00000228451	8	SDAD1P1	26236775	rs11774142	8	26274581	C	T	0.101392	0.00153021	0.0109625	0.888987	1.01023	0.129136	5.16E-15	0.00151471	0.0108532	0.8890048	0.6893245	5	0.97750036
ENSG00000015592	8	STMN4	27092840	rs10481349	8	27104727	A	G	0.37674	-0.0143537	0.00836965	0.0863515	-0.281656	0.0506863	2.75E-08	0.0509618	0.0310989	0.1012751	0.6179907	5	0.63021019
ENSG00000104228	8	TRIM35	27142404	rs17446091	8	27167942	C	T	0.204771	-0.001562	0.0114716	0.891692	-0.364292	0.065823	3.12E-08	0.0042878	0.0314997	0.8917248	0.105297	4	0.97809693
ENSG00000120915	8	EPHX2	27348296	rs13262930	8	27366401	C	G	0.241551	0.00178426	0.00952381	0.851389	0.302347	0.0440532	6.73E-12	0.00590136	0.0315113	0.851443	0.02502057	9	0.97447029
ENSG00000147419	8	CCDC25	27590835	rs1841311	8	27631630	A	G	0.530815	0.0212491	0.00805745	0.00835949	-0.313668	0.0411612	2.53E-14	-0.0677439	0.0271826	0.01269607	0.5129545	17	0.34722554
ENSG00000134014	8	ELP3	27947190	rs34545774	8	27976025	G	A	0.440358	0.00588575	0.0080661	0.465581	0.3936	0.048144	2.95E-16	0.0149536	0.0205746	0.4673482	0.9701722	11	0.85681817
ENSG00000214050	8	FBXO16	28205804	rs62001909	8	28286124	G	C	0.0208748	-0.0315169	0.0293182	0.282378	0.688073	0.122369	1.88E-08	-0.0458046	0.0433808	0.2910269	0.9732105	4	0.77190026
ENSG00000272479	8	RP11-301G7.1	40377084	rs2722456	8	40386170	G	A	0.684891	-0.0097221	0.00907164	0.283855	0.384545	0.069467	3.10E-08	-0.025282	0.0240286	0.2927244	0.06636284	6	0.77217832
ENSG00000147533	8	GOLGA7	41347915	rs1559735	8	41310560	G	A	0.960239	-0.0295397	0.0170938	0.0839731	0.571064	0.0994289	9.28E-09	-0.0517275	0.0312588	0.0979626	0.2211635	3	0.63021019
ENSG00000176209	8	SMIM19	42396298	rs12677427	8	42414226	A	T	0.583499	-0.0012843	0.00823439	0.876057	-0.596902	0.058545	2.07E-24	0.00215163	0.0137968	0.8760718	0.5739182	20	0.97609174
ENSG00000164808	8	SPIDR	48173167	rs35332377	8	48172962	A	G	0.280318	-0.0064779	0.00870963	0.457021	-0.300263	0.0494355	1.25E-09	0.021574	0.0292233	0.4603648	0.9969727	18	0.85681817
ENSG00000104738	8	MCM4	48872745	rs762679	8	48885436	A	T	0.84493	0.0040172	0.01075	0.708632	0.464276	0.0586858	2.55E-15	0.00865261	0.0231801	0.7089424	0.8296457	20	0.93080798
ENSG00000034239	8	EFCAB1	49623348	rs3750259	8	49647910	A	C	0.605368	0.00063178	0.00828332	0.939203	-0.979011	0.0635104	1.30E-53	-0.0006453	0.00846101	0.9392036	0.6133401	20	0.98751784
ENSG00000236814	8	RP11-446E9.1	56962597	rs72653964	8	56997689	G	A	0.255467	0.0007915	0.010125	0.93769	-0.577684	0.0946148	1.02E-09	-0.0013701	0.0175283	0.9376953	0.3394292	10	0.98751784
ENSG00000008988	8	RPS20	56979854	rs72653951	8	56961837	A	G	0.22664	0.00927181	0.0107459	0.388235	0.219751	0.0384234	1.07E-08	0.0421923	0.0494537	0.3935658	0.2759003	6	0.82273105
ENSG00000215117	8	LINC00588	58192102	rs59797486	8	58174435	C	T	0.189861	-0.009672	0.010321	0.348699	1.04435	0.131796	2.30E-15	-0.0092613	0.00995157	0.3520439	0.519203	20	0.81264902
ENSG00000254139	8	CTD-2339F6.1	58658708	rs12543857	8	58666308	A	G	0.548708	-0.0066109	0.00838983	0.430718	-0.500867	0.091606	4.56E-08	0.0131989	0.0169237	0.4354461	0.3145209	3	0.85152661
ENSG00000137563	8	GGH	63927638	rs4606052	8	63976677	T	C	0.457256	-0.0059896	0.00810916	0.460136	-0.321267	0.0530961	1.44E-09	0.0186437	0.0254286	0.4634479	0.9331706	20	0.85681817
ENSG00000254081	8	CTD-3025N20.2	66439243	rs6994889	8	66474782	C	T	0.527833	0.0121581	0.00809228	0.132984	0.374538	0.0529469	1.51E-12	0.0324616	0.022088	0.1416568	0.3500291	15	0.66222016
ENSG00000272010	8	CTD-3025N20.3	66504085	rs73236948	8	66521411	G	T	0.38668	-0.0130605	0.00866188	0.131602	-0.524016	0.0639664	2.57E-16	0.0249239	0.0168075	0.1380998	0.1370661	17	0.66222016
ENSG00000104442	8	ARMC1	66514694	rs34851482	8	66518462	A	G	0.316103	-0.0138801	0.00907985	0.126346	0.493123	0.054834	2.41E-19	-0.0281473	0.0186771	0.1317971	0.5010719	18	0.66222016
ENSG00000147576	8	ADHFE1	67342420	rs2465990	8	67381619	C	T	0.501988	0.0032705	0.00808445	0.685815	0.375866	0.0382825	9.40E-23	0.00870124	0.0215271	0.6860663	0.7737872	20	0.92403695
ENSG00000221947	8	XKR9	71581600	rs201801376	8	71691179	T	C	0.516899	-0.0150595	0.00804819	0.0613225	0.905365	0.0686274	9.70E-40	-0.0166336	0.00897841	0.0639363	0.3203857	10	0.57130238
ENSG00000260838	8	RP11-531A24.3	73859385	rs13276133	8	73855260	C	A	0.412525	0.0161483	0.00826763	0.0507961	0.330735	0.054856	1.65E-09	0.0488255	0.0262768	0.06315146	0.5635593	3	0.57130238
ENSG00000104432	8	IL7	79587978	rs10110524	8	79561106	C	T	0.78827	0.0233054	0.0109142	0.0327348	0.571487	0.102619	2.56E-08	0.0407803	0.0204537	0.04617508	0.3602343	8	0.51856509
ENSG00000254352	8	RP11-578O24.2	79636031	rs2953477	8	79624605	C	T	0.715706	0.0106739	0.00910373	0.241008	0.589679	0.108128	4.94E-08	0.0181012	0.0157912	0.2516781	0.2253526	3	0.73698466
ENSG00000249328	8	RP11-26J3.1	80681607	rs17535265	8	80786439	T	C	0.572565	0.00533994	0.00817025	0.51338	-0.455605	0.0779298	5.02E-09	-0.0117205	0.0180445	0.5159912	0.2307576	8	0.87579537
ENSG00000133731	8	IMPA1	82570196	rs2975935	8	82553983	G	A	0.32008	-0.0148046	0.00821875	0.0716523	-0.282045	0.042111	2.12E-11	0.0524902	0.0301753	0.08194568	0.2429742	8	0.60808371
ENSG00000104497	8	SNX16	82711816	rs12545508	8	82774442	T	C	0.266402	-0.0055177	0.00830194	0.506286	-0.519169	0.0725021	8.02E-13	0.010628	0.0160596	0.508107	0.03032356	7	0.87138801
ENSG00000133739	8	LRRCC1	86019382	rs7000849	8	86069494	G	A	0.0924453	0.00668583	0.0127188	0.59912	0.370995	0.0628996	3.67E-09	0.0180213	0.0344188	0.6005638	0.3103526	6	0.89572075
ENSG00000176731	8	C8orf59	86126311	rs1303806	8	86252072	A	G	0.7167	0.0188356	0.0100541	0.0610085	-0.380727	0.062506	1.12E-09	-0.0494727	0.0276285	0.07335083	0.4548122	13	0.58550756
ENSG00000176623	8	RMDN1	87480486	rs7465511	8	87521481	T	C	0.26839	0.0155557	0.00910887	0.0876819	0.277859	0.0443019	3.57E-10	0.0559841	0.0339758	0.09940123	0.309396	10	0.63021019
ENSG00000104413	8	ESRP1	95653302	rs7842246	8	95724126	G	A	0.610338	-0.0076716	0.00830377	0.355554	0.436096	0.0793437	3.88E-08	-0.0175915	0.0193083	0.3622489	0.7190935	5	0.81680835
ENSG00000174226	8	SNX31	101585116	rs1693591	8	101673265	G	T	0.434394	-0.0044557	0.00814507	0.58435	0.512394	0.0846552	1.42E-09	-0.0086958	0.0159609	0.5858768	0.9423186	7	0.89271255
ENSG00000164924	8	YWHAZ	101928753	rs4734500	8	101970119	T	C	0.586481	-0.012527	0.00807781	0.120952	-0.181513	0.027518	4.22E-11	0.0690143	0.045716	0.1311377	0.3862108	9	0.66222016
ENSG00000155087	8	ODF1	103563800	rs892506	8	103562596	A	G	0.521869	-0.0003415	0.00804912	0.966162	0.575414	0.0963166	2.31E-09	-0.0005934	0.0139888	0.9661632	0.4883199	17	0.98902087
ENSG00000164929	8	BAALC	104152938	rs7836191	8	104162919	A	G	0.257455	0.00616308	0.00954342	0.518413	0.298881	0.053197	1.93E-08	0.0206205	0.0321407	0.5211528	0.4240909	15	0.87741473
ENSG00000164930	8	FZD6	104310661	rs827537	8	104322247	T	G	0.26839	-0.0122339	0.00943833	0.194911	-0.266613	0.0474143	1.88E-08	0.0458864	0.0363292	0.2065641	0.2856409	8	0.70391756
ENSG00000271830	8	RP11-1C8.7	104493494	rs4734081	8	104717235	G	A	0.394632	0.00954721	0.00809125	0.238023	0.653461	0.0714691	6.06E-20	0.0146102	0.0124848	0.2419051	0.534815	11	0.73450129
ENSG00000136982	8	DSCC1	120846216	rs55741337	8	120871117	C	T	0.126243	0.00540071	0.00967295	0.576618	-1.21587	0.108529	3.93E-29	-0.0044419	0.00796545	0.5770908	0.694988	15	0.89127357
ENSG00000172167	8	MTBP	121457640	rs13272518	8	121475108	G	T	0.692843	-0.011638	0.00853234	0.172571	-0.492512	0.0680977	4.74E-13	0.0236299	0.0176295	0.1801288	0.9293489	5	0.68323261
ENSG00000156787	8	TBC1D31	124054208	rs4871347	8	124098709	C	G	0.298211	-0.0180672	0.00843782	0.0322567	0.572084	0.0812643	1.93E-12	-0.0315814	0.0154164	0.04050577	0.04543643	8	0.49052578
ENSG00000156795	8	WDYHV1	124428965	rs13265652	8	124453203	T	C	0.312127	0.00531922	0.00834675	0.523942	-0.608161	0.0706484	7.42E-18	-0.0087464	0.0137621	0.5250755	0.2284538	11	0.87785114
ENSG00000245149	8	RNF139-AS1	125474726	rs7812363	8	125470047	T	C	0.407555	0.00775643	0.00826292	0.347883	-0.518537	0.0775783	2.32E-11	-0.0149583	0.0160914	0.3525881	0.4258857	4	0.81316858
ENSG00000132294	8	EFR3A	132916335	rs1964658	8	132987908	C	A	0.845924	-0.0181256	0.0106991	0.0902402	0.218267	0.0399196	4.56E-08	-0.0830432	0.0513175	0.1056139	0.2376887	3	0.63390206
ENSG00000253210	8	RP11-809O17.1	142136143	rs6578152	8	142139251	C	T	0.462227	0.00038136	0.0081648	0.962746	-0.687437	0.0802734	1.09E-17	-0.0005548	0.0118773	0.9627465	0.5783661	8	0.98751784
ENSG00000261693	8	RP13-467H17.1	143485013	rs7011076	8	143483878	A	G	0.177932	-0.001488	0.0117003	0.898803	0.789288	0.108716	3.87E-13	-0.0018852	0.0148261	0.8988184	0.6402022	8	0.97902365
ENSG00000167653	8	PSCA	143751726	rs2976386	8	143757409	A	G	0.446322	-0.0068762	0.00804322	0.392604	0.762943	0.0956225	1.48E-15	-0.0090127	0.0106027	0.3953038	0.02060233	20	0.82273105
ENSG00000160886	8	LY6K	143781529	rs1048831	8	143781858	A	G	0.468191	0.00904042	0.00811031	0.264987	-0.528729	0.085321	5.76E-10	-0.0170984	0.0155854	0.2726084	0.05265523	14	0.75500572
ENSG00000253741	8	CTD-2292P10.4	143783670	rs2717602	8	143805683	A	G	0.456262	0.00407243	0.00813769	0.616764	-0.604547	0.0633212	1.33E-21	-0.0067363	0.0134793	0.617248	0.00710959	20	0.90088656
ENSG00000130193	8	THEM6	143808621	rs13272904	8	143782614	C	T	0.459245	0.00419643	0.00812855	0.605674	-0.442124	0.0504686	1.95E-18	-0.0094915	0.0184171	0.6062987	0.01382702	20	0.89787819
ENSG00000180155	8	LYNX1	143845752	rs13362	8	143852964	G	C	0.266402	-0.0267723	0.00890137	0.00263263	0.242596	0.0370815	6.06E-11	-0.110358	0.0403839	0.00628153	0.9825105	8	0.29082583
ENSG00000167656	8	LY6D	143866296	rs2585156	8	143879795	A	G	0.601392	-0.0087497	0.0083554	0.295009	0.709629	0.0922753	1.47E-14	-0.01233	0.011883	0.299447	0.136397	20	0.77647303
ENSG00000247317	8	RP11-273G15.2	144063155	rs4270939	8	144093928	T	C	0.579523	0.011021	0.00807483	0.172298	-0.265548	0.0461206	8.53E-09	-0.0415029	0.0312509	0.1841599	0.8332991	10	0.68478134
ENSG00000253716	8	RP13-582O9.5	144362331	rs7388117	8	144361957	A	C	0.485089	0.00196807	0.00809101	0.807819	-0.763452	0.0762124	1.28E-23	-0.0025779	0.0106011	0.8078738	0.7703346	20	0.96063419
ENSG00000104518	8	GSDMD	144635377	rs392131	8	144572758	C	T	0.255467	-0.0059957	0.00876455	0.493919	-0.344661	0.04821	8.73E-13	0.017396	0.0255456	0.4958852	0.5957875	19	0.86791667
ENSG00000255050	8	RP11-661A12.9	144655660	rs10282929	8	144681777	T	G	0.799205	-0.0007696	0.00974138	0.93703	0.773318	0.102462	4.44E-14	-0.0009952	0.0125976	0.9370333	0.5867697	18	0.98751784
ENSG00000147813	8	NAPRT1	144656955	rs10282929	8	144681777	T	G	0.799205	-0.0007696	0.00974138	0.93703	1.1185	0.0968594	7.59E-31	-0.0006881	0.00870953	0.9370313	0.5508767	20	0.98751784
ENSG00000104524	8	PYCRL	144686083	rs34178175	8	144664687	A	G	0.0685885	0.00822696	0.0162471	0.612601	0.521028	0.0935025	2.51E-08	0.0157899	0.0313113	0.6140597	0.03987555	6	0.89999199
ENSG00000254812	8	RP11-661A12.12	144714241	rs2242085	8	144699424	C	G	0.210736	-0.0052807	0.00993444	0.595034	-0.692255	0.114832	1.66E-09	0.00762826	0.0144065	0.5964583	0.8310136	8	0.89572075
ENSG00000180921	8	FAM83H	144806103	rs12156265	8	144848756	A	G	0.559642	8.66E-05	0.00807375	0.991441	-0.48791	0.0586538	8.91E-17	-0.0001775	0.0165476	0.991441	0.4218196	10	0.99659759
ENSG00000179698	8	KIAA1875	145162629	rs34324679	8	145164518	A	C	0.0894632	-0.0101758	0.0148516	0.493242	1.29001	0.108819	2.04E-32	-0.0078882	0.011532	0.4939602	0.7331904	12	0.86791667
ENSG00000071894	8	CPSF1	145618444	rs2977834	8	145623098	T	C	0.632207	-0.0031514	0.00828429	0.703641	0.879861	0.0653407	2.49E-41	-0.0035818	0.00941921	0.7037525	0.5327407	19	0.92891875
ENSG00000160948	8	VPS28	145649000	rs190185812	8	145653903	C	G	0.0457256	0.0124452	0.0174921	0.476789	0.919339	0.0879644	1.45E-25	0.0135371	0.0190709	0.477808	0.01930742	6	0.86100048
ENSG00000197363	8	ZNF517	146024261	rs2727236	8	146051445	C	T	0.354871	0.00645291	0.00845937	0.445575	0.369339	0.0603827	9.56E-10	0.0174715	0.0230815	0.4490807	0.5024526	11	0.85269709
ENSG00000196922	8	ZNF252P	146198975	rs7824213	8	146192754	G	A	0.0944334	-0.0059422	0.0120735	0.622601	0.914458	0.0912826	1.27E-23	-0.006498	0.0132188	0.6230215	0.5734068	16	0.90296505
ENSG00000181404	9	XXyac-YRM2039.2	14511	rs9407330	9	73986	G	A	0.44831	-0.0014228	0.00842389	0.865875	-0.712468	0.0963447	1.41E-13	0.001997	0.0118266	0.8659095	0.4487352	7	0.97475956
ENSG00000172785	9	CBWD1	121041	rs3008143	9	193737	T	C	0.619284	0.00110801	0.00824952	0.893156	-0.736738	0.0845881	3.05E-18	-0.0015039	0.0111987	0.8931684	0.1538873	20	0.97900309
ENSG00000120217	9	CD274	5450503	rs866066	9	5450953	T	C	0.424453	0.00863629	0.00806944	0.284508	0.429081	0.0730834	4.33E-09	0.0201274	0.0191162	0.2923888	0.1611417	7	0.77217832
ENSG00000137033	9	IL33	6215805	rs2026991	9	6266440	G	A	0.929423	-0.0103781	0.0164042	0.526963	-0.324673	0.0562216	7.70E-09	0.0319648	0.0508276	0.5294234	0.4682619	14	0.8813815
ENSG00000225706	9	RP11-75C9.1	8858130	rs77301379	9	8858303	G	C	0.128231	-0.0005794	0.0110485	0.958178	1.08066	0.138811	6.97E-15	-0.0005361	0.0102241	0.9581795	0.8355758	9	0.98751784
ENSG00000235448	9	RP11-3L8.3	12700100	rs2209271	9	12745643	A	G	0.596421	0.00508124	0.00842558	0.54646	0.706378	0.0828038	1.45E-17	0.00719337	0.0119576	0.5474593	0.8187775	20	0.88269439
ENSG00000153714	9	LURAP1L	12775020	rs7023927	9	12749596	A	G	0.60338	0.00189998	0.00847578	0.822629	0.406437	0.0638475	1.94E-10	0.00467472	0.0208668	0.8227363	0.7786569	13	0.96379398
ENSG00000272871	9	RP11-408A13.4	14588795	rs10961656	9	14676883	C	T	0.383698	0.0167433	0.00826363	0.0427504	0.410989	0.069776	3.86E-09	0.040739	0.021263	0.05537079	0.6428696	9	0.55189737
ENSG00000164946	9	FREM1	14734664	rs10810271	9	14847175	C	T	0.107356	0.0008771	0.0139231	0.94977	-0.57201	0.0925203	6.31E-10	-0.0015334	0.0243419	0.9497722	0.5097554	6	0.98751784
ENSG00000215237	9	RP11-54D18.2	14993310	rs10810310	9	14989877	C	T	0.505964	-0.0043405	0.00809462	0.591806	1.05777	0.0797748	3.98E-40	-0.0041035	0.00765879	0.5921081	0.1678831	20	0.89572075
ENSG00000164989	9	CCDC171	15552895	rs10810461	9	15876507	T	G	0.468191	0.0186388	0.00806325	0.0208013	0.54543	0.078694	4.18E-12	0.0341727	0.0155838	0.02831929	0.2261329	20	0.42318362
ENSG00000044459	9	CNTLN	17134980	rs2593411	9	17447446	T	C	0.625249	-0.0093779	0.00877511	0.285209	-0.306375	0.0504819	1.29E-09	0.0306092	0.0290824	0.2925713	0.02443916	6	0.77217832
ENSG00000107295	9	SH3GL2	17579080	rs2383044	9	17735707	A	G	0.305169	-0.0064958	0.00835674	0.436977	0.181085	0.0319419	1.43E-08	-0.0358713	0.0465799	0.4412396	0.6802657	14	0.8522258
ENSG00000273226	9	RP11-513M16.8	19375449	rs10964108	9	19355495	G	C	0.0964215	-0.0012596	0.017276	0.941879	0.817439	0.116799	2.58E-12	-0.0015409	0.0211354	0.9418824	0.03882625	15	0.98751784
ENSG00000261402	9	RP11-378I6.1	19926092	rs10811277	9	19896957	G	C	0.611332	-0.0039045	0.00818378	0.633293	-0.596116	0.0654341	8.22E-20	0.00654983	0.0137473	0.6337578	0.8472917	17	0.90818777
ENSG00000099810	9	MTAP	21802542	rs4364717	9	21801530	G	A	0.432406	0.011109	0.00803828	0.166968	-0.336736	0.058438	8.30E-09	-0.0329902	0.0245481	0.1789806	0.2857491	20	0.68323261
ENSG00000096872	9	IFT74	26947037	rs72719536	9	26940153	G	A	0.0457256	0.0182663	0.0134844	0.175536	1.08223	0.168874	1.47E-10	0.0168784	0.0127351	0.1850587	0.9637641	5	0.6858201
ENSG00000147894	9	C9orf72	27546544	rs774358	9	27559997	A	T	0.718688	-0.0039388	0.00900197	0.661718	0.424343	0.0546052	7.78E-15	-0.009282	0.0212475	0.6622192	0.00731536	20	0.91859148
ENSG00000241043	9	GVQW1	32566787	rs17218354	9	32553171	G	A	0.457256	0.00054406	0.00828244	0.947626	-0.500663	0.0835417	2.06E-09	-0.0010867	0.0165439	0.9476289	0.5634426	9	0.98751784
ENSG00000165269	9	AQP7	33384765	rs17251987	9	33388289	T	C	0.10338	-0.0005981	0.0119204	0.959981	1.36427	0.121064	1.87E-29	-0.0004384	0.00873765	0.9599812	0.6092703	12	0.98751784
ENSG00000165271	9	NOL6	33461439	rs2275228	9	33467577	C	T	0.202783	-0.0005614	0.00921918	0.951446	0.768625	0.061578	9.35E-36	-0.0007304	0.0119945	0.9514464	0.8461062	17	0.98751784
ENSG00000226562	9	RP11-255A11.21	33580693	rs12005759	9	33522045	A	G	0.422465	0.00197918	0.00858511	0.817675	0.581169	0.0720272	7.10E-16	0.00340552	0.0147782	0.8177481	0.6568461	9	0.9628767
ENSG00000260947	9	RP11-384P7.7	33697457	rs75597842	9	33732647	G	C	0.0695825	0.0307921	0.0155143	0.0471715	1.51717	0.154366	8.50E-23	0.0202957	0.0104322	0.05171681	0.2556964	16	0.54321388
ENSG00000010438	9	PRSS3	33750515	rs855554	9	33751720	C	G	0.357853	0.0115788	0.00824413	0.160174	-0.340016	0.0501654	1.22E-11	-0.0340537	0.0247614	0.1690464	0.431952	10	0.68081994
ENSG00000164978	9	NUDT2	34329504	rs10971957	9	34151463	T	C	0.590457	-0.0061091	0.0082792	0.460581	0.475913	0.0612717	8.02E-15	-0.0128367	0.0174748	0.4625936	0.393124	7	0.85681817
ENSG00000164967	9	RPP25L	34610483	rs2492364	9	34644523	C	T	0.45825	-0.0095289	0.00808229	0.238404	0.257477	0.0442916	6.13E-09	-0.0370087	0.0320294	0.2479016	0.2331387	7	0.73450129
ENSG00000205143	9	ARID3C	34621376	rs1800866	9	34637690	G	T	0.152087	0.0101557	0.0119211	0.394266	0.924864	0.088372	1.24E-25	0.0109807	0.0129322	0.395825	0.09580975	20	0.82273105
ENSG00000230074	9	RP11-195F19.9	34665662	rs1106069	9	34687033	T	C	0.196819	-0.0137621	0.0124192	0.267806	-0.751658	0.11203	1.95E-11	0.018309	0.0167462	0.2742536	0.1425665	7	0.7558172
ENSG00000137135	9	ARHGEF39	35658872	rs3829078	9	35679251	G	A	0.104374	0.0152758	0.0166142	0.357865	0.880277	0.13855	2.10E-10	0.0173534	0.0190704	0.3628418	0.2668223	7	0.81680835
ENSG00000198467	9	TPM2	35681989	rs3793540	9	35689951	T	A	0.275348	0.0154087	0.00937767	0.100357	-0.761731	0.0750647	3.39E-24	-0.0202285	0.0124713	0.1048031	0.6554338	20	0.63225442
ENSG00000137103	9	TMEM8B	35814448	rs10738948	9	35833448	C	T	0.611332	-0.0127613	0.00813541	0.116738	-0.44137	0.0483526	6.97E-20	0.0289129	0.0187023	0.1221162	0.1952955	15	0.65227447
ENSG00000122696	9	SLC25A51	37879400	rs41278325	9	37880416	C	T	0.153082	-0.0011357	0.0104732	0.913647	1.11271	0.124295	3.49E-19	-0.0010207	0.00941303	0.9136533	0.0767851	9	0.98076095
ENSG00000172014	9	ANKRD20A4	69381812	rs9886728	9	69963534	T	C	0.421471	-0.0147206	0.00994511	0.138824	-0.611403	0.0965847	2.45E-10	0.0240768	0.0167048	0.149498	0.8247555	3	0.66222016
ENSG00000083067	9	TRPM3	73143979	rs60813799	9	73734329	T	C	0.16501	-0.0171521	0.0103907	0.0987984	-0.58175	0.0933227	4.55E-10	0.0294836	0.0184767	0.1105518	0.4563631	6	0.63721688
ENSG00000106733	9	NMRK1	77675489	rs11144225	9	77707300	T	A	0.368787	-0.0056692	0.00889688	0.523986	-1.00904	0.070714	3.40E-46	0.00561842	0.00882596	0.5243992	0.3363295	20	0.87785114
ENSG00000226237	9	RP11-276H19.1	89563614	rs10868523	9	89614617	T	C	0.745527	0.00308692	0.00918761	0.73688	0.586689	0.105521	2.70E-08	0.0052616	0.0156887	0.7373419	0.998443	7	0.93606022
ENSG00000231007	9	CDC20P1	89626567	rs7848189	9	89614241	T	C	0.745527	0.00334592	0.00918764	0.715726	-0.587793	0.0917846	1.51E-10	-0.0056923	0.015656	0.7161651	0.8351538	10	0.93305022
ENSG00000123975	9	CKS2	91926113	rs10119002	9	91963682	A	G	0.915507	-0.007827	0.0178097	0.660315	1.37466	0.142891	6.56E-22	-0.0056938	0.0129692	0.6606466	0.5712057	8	0.9185681
ENSG00000187764	9	SEMA4D	91975702	rs56091496	9	92111757	G	A	0.232604	-0.0037202	0.0101922	0.715112	-0.365354	0.0632499	7.63E-09	0.0101823	0.0279524	0.715654	0.9083796	5	0.93305022
ENSG00000231107	9	RP11-389K14.3	93063184	rs4237225	9	93194746	G	A	0.77336	0.00591126	0.00961958	0.538882	0.631427	0.108922	6.75E-09	0.00936175	0.01532	0.5411471	0.3954366	9	0.8813815
ENSG00000090054	9	SPTLC1	94794281	rs73527329	9	94776932	T	G	0.102386	-0.008204	0.0130343	0.529077	0.509469	0.0688009	1.31E-13	-0.016103	0.0256763	0.5305593	0.920971	20	0.8813815

ENSG00000234537	9	RP11-100G15.7	94894680	rs3901406	9	94896482	A	C	0.32505	-0.0072265	0.00839577	0.389389	0.5954	0.0984248	1.45E-09	-0.0121371	0.0142431	0.394135	0.993527	11	0.82273105
ENSG00000188312	9	CENPP	95087766	rs10820978	9	95220601	T	G	0.175944	-0.0150239	0.0117482	0.200959	0.970448	0.0878994	2.44E-28	-0.0154814	0.0121869	0.2039663	0.7860936	20	0.70391756
ENSG00000165233	9	C9orf89	95858500	rs4743882	9	95865383	T	G	0.771372	0.00892242	0.00987039	0.366018	0.320794	0.0532503	1.70E-09	0.0278136	0.0311131	0.3713485	0.362099	3	0.81739875
ENSG00000227603	9	RP11-165J3.6	96197614	rs59483310	9	96265600	T	C	0.127237	0.0143455	0.0117173	0.220838	0.777612	0.109397	1.18E-12	0.0184481	0.0152902	0.2276113	0.4511308	20	0.72918947
ENSG00000175611	9	LINC00476	98521513	rs689979	9	98718673	C	T	0.554672	0.0171023	0.00828299	0.0389466	0.732502	0.0914801	1.17E-15	0.0233478	0.0116777	0.04557064	0.6145625	18	0.51587164
ENSG00000224848	9	RP11-535M15.1	99449338	rs76481767	9	99468996	A	C	0.128231	0.0179663	0.0119208	0.131774	-1.04323	0.140211	1.00E-13	-0.0172218	0.0116589	0.1396383	0.0304661	9	0.66222016
ENSG00000233820	9	RP11-535M15.2	99488172	rs10739226	9	99453855	C	T	0.128231	0.0181993	0.011913	0.12659	-0.808547	0.113395	1.00E-12	-0.0225086	0.0150682	0.1352322	0.07388467	10	0.66222016
ENSG00000196312	9	HIATL2	99660348	rs28470221	9	99789125	G	A	0.0328032	0.0391186	0.0152052	0.0100904	-1.08535	0.147985	2.23E-13	-0.0360424	0.0148464	0.01519563	0.1016352	14	0.36210503
ENSG00000228376	9	RP11-520B13.4	99837953	rs7869959	9	99983513	T	C	0.503976	-0.0084459	0.00811335	0.297882	0.740793	0.0708775	1.44E-25	-0.0114011	0.0110064	0.3002667	0.1199163	20	0.77657782
ENSG00000228038	9	VN1R51P	99855976	rs10817286	9	100001077	C	G	0.614314	0.00105826	0.00841749	0.899952	0.613981	0.0724486	2.36E-17	0.0017236	0.0137112	0.8999633	0.2372713	18	0.97935195
ENSG00000213612	9	FAM220CP	99883941	rs7022475	9	99983931	T	G	0.528827	-0.0017953	0.00807149	0.823986	0.651246	0.106965	1.14E-09	-0.0027567	0.0124022	0.8241015	0.06223081	6	0.96394856
ENSG00000159712	9	ANKRD18CP	99918852	rs2242187	9	100137394	T	C	0.390656	0.0127503	0.00834736	0.126647	-0.734204	0.072446	3.88E-24	-0.0173662	0.0114977	0.1309399	0.0126784	20	0.66222016
ENSG00000203279	9	RP11-498P14.5	99962757	rs6478095	9	100097095	A	G	0.39165	0.0123882	0.00834157	0.137515	-1.03447	0.10175	2.79E-24	-0.0119754	0.00814919	0.1416917	0.03105526	20	0.66222016
ENSG00000136932	9	C9orf156	100666771	rs1561958	9	100669799	T	G	0.372763	0.00089177	0.0081058	0.912397	0.683616	0.0677686	6.27E-24	0.00130448	0.0118579	0.912402	0.5072656	13	0.98076095
ENSG00000095383	9	TBC1D2	100961311	rs1469802	9	101027345	A	T	0.526839	0.016786	0.00806838	0.0374826	0.310898	0.0434174	8.03E-13	0.053992	0.027025	0.04573267	0.5239598	20	0.51587164
ENSG00000136881	9	BAAT	104122699	rs17765735	9	104104350	G	A	0.0914513	-0.0123348	0.0166695	0.459324	-0.944466	0.126037	6.70E-14	0.0130601	0.0177355	0.461499	0.8871059	14	0.85681817
ENSG00000136824	9	SMC2	106856541	rs4742904	9	106856952	T	C	0.569583	0.00573733	0.00825194	0.486886	-0.657484	0.0605748	1.91E-27	-0.0087262	0.0125765	0.4877773	0.8253745	20	0.86791667
ENSG00000148143	9	ZNF462	109625378	rs16926070	9	109786165	A	G	0.082505	-0.0157991	0.0139624	0.257827	0.379268	0.0667223	1.31E-08	-0.0416568	0.0375364	0.2670976	0.7244541	6	0.75030615
ENSG00000119328	9	FAM206A	111696461	rs838819	9	111701165	T	C	0.497018	0.00995358	0.00808584	0.218327	0.373598	0.0661649	1.64E-08	0.0266425	0.0221515	0.2290775	0.05635909	5	0.7305783
ENSG00000106771	9	TMEM245	111777432	rs79944794	9	111878172	T	G	0.170974	0.0113198	0.0125705	0.367854	0.309575	0.0490278	2.71E-10	0.0365656	0.0410165	0.3726691	0.05691972	15	0.8174555
ENSG00000106853	9	PTGR1	114312002	rs59165439	9	114357952	T	C	0.235586	-0.0154837	0.00906671	0.0876819	-0.473209	0.0659146	7.02E-13	0.0327206	0.0196947	0.09663434	0.1159402	19	0.62977339
ENSG00000204173	9	LRRC37A5P	114353872	rs10817198	9	114393397	C	G	0.276342	0.0239201	0.00842927	0.00454339	-0.636404	0.0875389	3.60E-13	-0.0375863	0.0142184	0.00820554	0.00307858	14	0.29082583
ENSG00000242616	9	GNG10	114423615	rs7045665	9	114434070	G	A	0.609344	0.00097996	0.00889548	0.91228	-0.494584	0.0516038	9.31E-22	-0.0019814	0.017987	0.9122856	0.03129177	20	0.98076095
ENSG00000259953	9	RP11-4O1.2	114794835	rs3860162	9	114938733	A	C	0.328032	0.00455229	0.00817083	0.577432	-0.347342	0.0537177	1.01E-10	-0.0131061	0.023611	0.5788382	0.6319669	7	0.89127357
ENSG00000106868	9	SUSD1	114803065	rs78617913	9	114937234	A	C	0.327038	0.004888	0.00817516	0.5499	-0.359627	0.0434115	1.19E-16	-0.0135919	0.0227915	0.5509364	0.6595778	9	0.88412409
ENSG00000119457	9	SLC46A2	115641200	rs3802492	9	115652836	A	G	0.319085	-0.0071648	0.00880777	0.415956	0.495588	0.0862065	8.99E-09	-0.0144571	0.0179494	0.4205689	0.1788666	12	0.83980935
ENSG00000176386	9	CDC26	116018115	rs10981712	9	116046126	C	G	0.280318	-0.0043153	0.00886331	0.626347	-0.551178	0.0755293	2.93E-13	0.00782927	0.0161164	0.6271128	0.5959886	12	0.90357159
ENSG00000119411	9	BSPRY	116111821	rs6478005	9	116108682	T	G	0.437376	-0.0074439	0.00815189	0.361166	0.808216	0.0986576	2.57E-16	-0.0092102	0.0101487	0.36413	0.9310004	17	0.81680835
ENSG00000136883	9	KIF12	116848406	rs7856692	9	116866605	A	G	0.258449	-0.0051667	0.0096973	0.594176	-0.368686	0.0557316	3.71E-11	0.0140137	0.0263875	0.5953668	0.2767923	4	0.89572075
ENSG00000233569	9	RP11-500B12.1	120410884	rs7020245	9	120413077	C	T	0.49503	0.00775243	0.00831733	0.351294	-0.544262	0.0898389	1.38E-09	-0.0142439	0.0154617	0.3569242	0.5219808	10	0.81588218
ENSG00000226752	9	PSMD5-AS1	123587106	rs4837796	9	123610288	T	C	0.584493	0.00915196	0.00815707	0.261877	-1.14104	0.0728382	2.61E-55	-0.0080207	0.00716711	0.2630975	0.5973395	20	0.74776437
ENSG00000056558	9	TRAF1	123664671	rs2239658	9	123671837	C	T	0.641153	0.0121366	0.00810639	0.134349	0.292801	0.0423977	4.98E-12	0.04145	0.0283288	0.1434192	0.5385774	9	0.66222016
ENSG00000011454	9	RABGAP1	125703112	rs803717	9	125868610	T	A	0.329026	0.00709692	0.00873846	0.416707	0.239305	0.0419017	1.12E-08	0.0296564	0.0368834	0.4213632	0.4321289	5	0.84011824
ENSG00000136856	9	SLC2A8	130159421	rs10819289	9	130172319	T	A	0.636183	0.00311896	0.00855272	0.715354	-0.338565	0.0599609	1.64E-08	-0.0092123	0.0253143	0.7159204	0.5737098	13	0.93305022
ENSG00000197958	9	RPL12	130209953	rs2244468	9	130215279	A	G	0.633201	0.00736778	0.00859518	0.391334	0.361569	0.0345161	1.12E-25	0.0203772	0.0238514	0.3929147	0.532486	20	0.82273105
ENSG00000136908	9	DPM2	130697378	rs2274426	9	130707081	G	A	0.870775	0.0110131	0.0120252	0.359754	-0.714669	0.070864	6.43E-24	-0.0154101	0.0168955	0.3617255	0.08448808	19	0.81680835
ENSG00000228510	9	RP11-339B21.8	131206866	rs2270202	9	131191403	G	A	0.205765	-0.0019944	0.00953682	0.834353	-0.540067	0.0862877	3.88E-10	0.0036928	0.0176684	0.834444	0.8524669	13	0.96762126
ENSG00000167136	9	ENDOG	131580753	rs13297295	9	131659724	C	T	0.128231	-0.0086444	0.0132046	0.512694	-0.574349	0.097508	3.86E-09	0.0150507	0.0231321	0.5152779	0.6489691	13	0.87574629
ENSG00000175287	9	PHYHD1	131683174	rs7870479	9	131724764	G	C	0.407555	0.00384291	0.00834065	0.644983	-0.244518	0.0438191	2.40E-08	-0.0157163	0.0342267	0.6461034	0.1780614	4	0.91263867
ENSG00000095321	9	CRAT	131857089	rs4713	9	131910805	T	A	0.730616	-0.0140822	0.0095392	0.139877	0.242744	0.0436093	2.60E-08	-0.0580126	0.0406559	0.1536041	0.9959608	12	0.66561777
ENSG00000268707	9	RP11-247A12.7	131932713	rs2480452	9	131909736	T	C	0.0666004	0.013533	0.0146664	0.356153	1.57882	0.163238	3.97E-22	0.00857159	0.00933165	0.3583307	0.00824178	20	0.81588218
ENSG00000204055	9	RP11-247A12.2	131939050	rs3118634	9	131905854	A	G	0.0666004	0.0142712	0.014651	0.330017	1.16345	0.165246	1.91E-12	0.0122663	0.0127127	0.3346017	0.00859716	15	0.79724618
ENSG00000136816	9	TOR1B	132565432	rs2296793	9	132585058	A	G	0.275348	-0.000168	0.00942059	0.985769	0.453969	0.0780276	5.95E-09	-0.0003701	0.0207517	0.9857693	0.822851	6	0.99365271
ENSG00000130714	9	POMT1	134378289	rs7867616	9	134406071	G	C	0.837972	0.0143072	0.00982364	0.145282	0.367325	0.0650337	1.62E-08	0.0389497	0.0276185	0.158458	0.4594846	11	0.67619452
ENSG00000125485	9	DDX31	135468384	rs62576216	9	135584299	A	G	0.196819	-0.0037887	0.0095361	0.691143	0.585933	0.0994202	3.78E-09	-0.0064662	0.016312	0.6918069	0.5330061	11	0.92403695
ENSG00000165695	9	AK8	135600965	rs2254289	9	135727409	G	A	0.796223	-0.0078232	0.0105629	0.45892	0.57674	0.104819	3.75E-08	-0.0135645	0.01848	0.4629425	0.5852303	8	0.85681817
ENSG00000175164	9	ABO	136125788	rs62574567	9	136128421	G	C	0.220676	0.0145694	0.0105627	0.167793	-0.653786	0.0898414	3.41E-13	-0.0222847	0.0164439	0.175355	0.4711663	17	0.68257826
ENSG00000148290	9	SURF1	136218610	rs3124747	9	136268084	A	G	0.311133	-0.0007017	0.00950265	0.941135	-0.669638	0.0738752	1.25E-19	0.00104789	0.0141912	0.9411369	0.2652062	20	0.98751784
ENSG00000160323	9	ADAMTS13	136279478	rs1179040	9	136241639	C	T	0.530815	-0.0035294	0.0082457	0.668627	0.323895	0.0474306	8.56E-12	-0.0108968	0.0255079	0.6692386	0.311471	20	0.91884947
ENSG00000123454	9	DBH	136501482	rs1611115	9	136500515	C	T	0.790258	0.00384597	0.0107652	0.720898	0.737918	0.0794721	1.61E-20	0.00521192	0.0145994	0.7210953	0.1468059	4	0.93391705
ENSG00000225756	9	DBH-AS1	136519708	rs2097629	9	136519700	G	A	0.409543	0.0184435	0.00840488	0.0282079	-0.375286	0.0635231	3.47E-09	-0.0491452	0.0238909	0.0396801	0.3707055	7	0.48722943
ENSG00000123453	9	SARDH	136528682	rs129901	9	136552263	G	A	0.400596	0.00485852	0.00881876	0.581681	0.328579	0.0549188	2.19E-09	0.0147865	0.0269526	0.5832738	0.5623503	15	0.89127357
ENSG00000160349	9	LCN1	138413284	rs56239374	9	138415201	G	C	0.429423	0.00418798	0.00812191	0.606107	0.932554	0.0769586	8.52E-34	0.00449087	0.0087172	0.6064317	0.7230075	13	0.89787819
ENSG00000122136	9	OBP2A	138437985	rs432243	9	138430098	T	G	0.722664	-0.0040911	0.00888322	0.645131	-0.657139	0.105614	4.91E-10	0.00622556	0.013555	0.646032	0.2284965	6	0.91263867
ENSG00000107147	9	KCNT1	138594031	rs11103190	9	138679895	C	T	0.235586	-0.0154482	0.0108632	0.155007	-0.302185	0.0420119	6.35E-13	0.0511217	0.0366447	0.1629967	0.521835	20	0.67999547
ENSG00000213221	9	DNLZ	139253932	rs57052773	9	139385701	C	T	0.0367793	-0.0061314	0.0188263	0.744665	1.66526	0.195874	1.87E-17	-0.0036819	0.0113136	0.7448455	0.5233032	9	0.93648451
ENSG00000148384	9	INPP5E	139323071	rs10870065	9	139352946	G	C	0.410537	-0.001532	0.00855844	0.857937	-0.330462	0.0553302	2.34E-09	0.00463584	0.02591	0.8579999	0.3751338	14	0.97475956
ENSG00000233016	9	SNHG7	139615818	rs72761016	9	139620637	A	G	0.120278	0.00819427	0.0159086	0.606493	-1.08308	0.0990907	8.27E-28	-0.0075657	0.0147046	0.6068932	0.2495555	10	0.8981028
ENSG00000204001	9	LCN8	139648838	rs1832146	9	139661238	T	G	0.650099	-0.0071244	0.00821943	0.386063	-0.480075	0.0862962	2.65E-08	0.0148402	0.0173277	0.3917513	0.2437522	6	0.82273105
ENSG00000177984	9	LCN15	139654086	rs4610845	9	139663235	G	A	0.780318	-0.0146997	0.0087389	0.0925508	-0.841987	0.0830272	3.63E-24	0.0174583	0.0105207	0.09702982	0.5946501	20	0.62977339
ENSG00000228544	9	KIAA1984-AS1	139698379	rs2484661	9	139709976	T	C	0.802187	0.00268249	0.0109359	0.806231	-0.575219	0.0939015	9.02E-10	-0.0046634	0.019027	0.8063823	0.2665308	6	0.9596479
ENSG00000184925	9	LCN12	139844003	rs2271870	9	139839297	G	A	0.676938	0.00192132	0.00824515	0.815742	-0.435229	0.0615519	1.54E-12	-0.0044145	0.0189547	0.8158407	0.7736366	20	0.9628767
ENSG00000148362	9	C9orf142	139886870	rs7849705	9	139869608	T	C	0.690855	0.00487337	0.00861239	0.571492	0.273578	0.0333217	2.21E-16	0.0178135	0.0315552	0.5724026	0.5115634	20	0.89127357
ENSG00000268996	9	AL807752.1	139980807	rs7848423	9	139987756	G	A	0.328032	0.00046986	0.00849606	0.955897	0.566395	0.0630188	2.52E-19	0.00082956	0.0150005	0.955898	0.9025678	13	0.98751784
ENSG00000177239	9	MAN1B1	139981379	rs10117795	9	140002220	G	A	0.754473	0.00355333	0.0086432	0.680989	-0.292332	0.0438683	2.67E-11	-0.0121551	0.0296226	0.6815619	0.1443383	19	0.92288062
ENSG00000176978	9	DPP7	140004994	rs7853589	9	140003844	A	G	0.399602	-0.0019313	0.00825865	0.815096	-0.234365	0.0396745	3.48E-09	0.00824074	0.035266	0.8152384	0.7702331	5	0.9628767
ENSG00000188986	9	NELFB	140149625	rs9722478	9	140169249	A	G	0.733598	-0.0012666	0.00890772	0.886931	0.420292	0.0486671	5.82E-18	-0.0030136	0.021197	0.8869468	0.00333479	10	0.9770144
ENSG00000130653	9	PNPLA7	140354404	rs10746563	9	140444078	C	T	0.447316	0.00739088	0.00829792	0.373095	0.460208	0.042952	8.71E-27	0.0160599	0.018093	0.3747404	0.00137133	10	0.81805152
ENSG00000148408	9	CACNA1B	140772241	rs12001881	9	141014140	C	G	0.385686	-0.0061427	0.00916197	0.502566	0.184671	0.0299095	6.64E-10	-0.033263	0.049904	0.5050665	0.5569921	8	0.87138801
ENSG00000159247	9	TUBBP5	141044565	rs11137380	9	141030078	A	G	0.476143	-0.0027205	0.00855546	0.750494	-0.626698	0.0712379	1.40E-18	0.00434107	0.0136606	0.7506509	0.3794425	20	0.93920456
ENSG00000225140	10	RP11-809C18.3	674578	rs10795292	10	688424	C	T	0.905567	0.025426	0.0139276	0.0679125	0.381008	0.06354	2.02E-09	0.0667335	0.0382112	0.08073473	0.8912734	17	0.60486272
ENSG00000107959	10	PITRM1	3179920	rs76088740	10	3193412	T	C	0.0447316	0.0123085	0.0179728	0.493445	-1.52184	0.161136	3.57E-21	-0.0080879	0.0118409	0.4945771	0.6602773	20	0.86791667
ENSG00000237399	10	PITRM1-AS1	3183824	rs7898290	10	3188812	C	G	0.658052	-0.0002183	0.00847057	0.979437	-0.733258	0.0821642	4.49E-19	0.00029774	0.011552	0.9794375	0.9933488	20	0.99106084
ENSG00000187134	10	AKR1C1	4934796	rs7069625	10	5012727	T	G	0.233598	-0.0092324	0.00981568	0.346924	0.618638	0.0967565	1.62E-10	-0.0149237	0.0160374	0.3520825	0.2741297	8	0.81264902
ENSG00000151632	10	AKR1C2	5029967	rs67362530	10	5043504	A	G	0.131213	-0.0031119	0.0120072	0.795503	1.04804	0.130178	8.22E-16	-0.0029693	0.0114627	0.7956067	0.3331072	7	0.95584908
ENSG00000225383	10	SFTA1P	10826400	rs7070632	10	10850543	A	G	0.579523	-0.0148435	0.00809299	0.0666377	-0.55427	0.0686271	6.66E-16	0.0267803	0.0149729	0.07368268	0.6990013	20	0.58550756
ENSG00000086475	10	SEPHS1	13359424	rs7083997	10	13384554	A	C	0.0725646	0.0247286	0.0142381	0.0824233	-0.462373	0.0681479	1.16E-11	-0.0534819	0.0317864	0.09246416	0.6165592	4	0.62509594
ENSG00000148484	10	RSU1	16632610	rs10795430	10	16852184	G	C	0.171968	0.0140617	0.00944058	0.136358	0.456693	0.0773932	3.61E-09	0.0307903	0.02132	0.1486833	0.8356715	12	0.66222016
ENSG00000241058	10	NSUN6	18834490	rs7088214	10	18911846	A	C	0.583499	-0.0008483	0.00819347	0.917541	0.406138	0.0569066	9.54E-13	-0.0020887	0.0201762	0.9175498	0.3309293	20	0.9811959
ENSG00000254635	10	WAC-AS1	28811581	rs55929570	10	28805472	C	T	0.214712	0.00308014	0.0105718	0.770779	0.339183	0.0434812	6.16E-15	0.00908106	0.0311902	0.7709356	0.3669038	20	0.94500732
ENSG00000259994	10	RP11-305E6.4	30591755	rs540994	10	30600226	C	A	0.562624	-0.0062832	0.00808447	0.437044	0.389012	0.0583236	2.56E-11	-0.0161517	0.0209227	0.440131	0.3046035	5	0.8522258
ENSG00000107951	10	MTPAP	30598730	rs7068122	10	30651154	C	T	0.290258	0.00104427	0.0090283	0.907917	-0.415673	0.0689849	1.69E-09	-0.0025122	0.0217237	0.9079339	0.6241331	8	0.98043565
ENSG00000273038	10	RP11-479G22.8	33176189	rs1557150	10	33178307	C	T	0.301193	0.0001987	0.00898512	0.982357	-0.638513	0.0824122	9.35E-15	-0.0003112	0.014072	0.9823569	0.566891	20	0.9924555
ENSG00000233200	10	RP11-324I22.2	35508822	rs2504352	10	35671151	T	C	0.350895	0.00181507	0.00879489	0.836496	0.841225	0.0905386	1.52E-20	0.00215765	0.0104574	0.8365356	0.9838184	15	0.96927126
ENSG00000271335	10	RP11-324I22.4	35603480	rs1043583	10	35858665	C	T	0.327038	0.00360731	0.00892778	0.686172	0.365863	0.0626288	5.16E-09	0.00985973	0.0244603	0.6868809	0.8245668	10	0.92403695
ENSG00000226578	10	RP11-258F22.1	38064299	rs1623969	10	38168760	G	A	0.11332	0.0122642	0.0153894	0.425494	-1.04117	0.156139	2.59E-11	-0.0117792	0.0148861	0.4287723	0.9497722	7	0.84673767
ENSG00000272983	10	RP11-508N22.12	38426265	rs1780145	10	38537070	G	A	0.388668	-0.002238	0.0087596	0.798341	0.574079	0.0853821	1.77E-11	-0.0038985	0.0152695	0.7984843	0.674503	5	0.95632975
ENSG00000215146	10	RP11-313J2.1	42827314	rs4265551	10	42765033	G	C	0.454274	0.012779	0.00805837	0.112784	0.965175	0.0855036	1.50E-29	0.0132401	0.00843111	0.1163258	0.8840174	20	0.64624497
ENSG00000182632	10	CCNYL2	42903616	rs1255411	10	42965636	T	C	0.595427	-0.0029004	0.00844877	0.731378	-0.621376	0.0859838	4.95E-13	0.00466771	0.0136122	0.7316693	0.1203851	20	0.93606022
ENSG00000185904	10	LINC00839	42970991	rs2801951	10	42970831	T	G	0.59841	-0.0020707	0.00843575	0.806091	-0.795466	0.0976339	3.72E-16	0.00260318	0.0106096	0.8061772	0.3612895	20	0.9596479
ENSG00000196693	10	ZNF33B	43084555	rs209381	10	43114560	T	C	0.833996	-0.0114294	0.00928929	0.218555	-0.386094	0.0627874	7.79E-10	0.0296026	0.0245365	0.2276359	0.1839201	6	0.72918947
ENSG00000165733	10	BMS1	43278249	rs6593496	10	43306771	G	A	0.418489	0.00837746	0.00823258	0.308869	-0.395352	0.0528298	7.24E-14	-0.0211899	0.0210151	0.3133013	0.2103459	20	0.78298316
ENSG00000169826	10	CSGALNACT2	43633934	rs715106	10	43616751	A	C	0.823062	-0.007273	0.0100133	0.467631	-0.648269	0.0648652	1.62E-23	0.0112191	0.015487	0.4688047	0.05463387	20	0.85681817
ENSG00000230555	10	RP11-517P14.2	43916186	rs2999222	10	43988635	C	T	0.88668	-0.0216666	0.0128458	0.0916685	0.864733	0.101945	2.21E-17	-0.0250558	0.0151461	0.09807046	0.2167284	11	0.63021019
ENSG00000012779	10	ALOX5	45869661	rs192137532	10	45842269	T	C	0.125249	-0.0098389	0.0111729	0.378534	0.604694	0.0905737	2.45E-11	-0.0162708	0.018637	0.382642	0.7479099	8	0.82149871
ENSG00000172661	10	FAM21C	46222648	rs565409446	10	46237433	A	G	0.0944334	0.0105239	0.0136797	0.441708	-0.993032	0.135022	1.91E-13	-0.0105977	0.0138508	0.4441922	0.2963592	4	0.8522258
ENSG00000188234	10	AGAP4	46321042	rs2279435	10	45923528	A	C	0.558648	0.00046839	0.00813579	0.95409	0.712856	0.107204	2.94E-11	0.00065706	0.0114134	0.9540916	0.3914359	20	0.98751784
ENSG00000239883	10	RP11-175I17.2	46349541	rs4949013	10	46136306	A	C	0.693837	-0.0033318	0.00851426	0.695559	-0.337223	0.0613336	3.84E-08	0.00988014	0.025312	0.6962898	0.107315	5	0.92702227
ENSG00000170324	10	FRMPD2	49364601	rs769009	10	49390449	T	G	0.624254	0.00048934	0.00845063	0.953823	-0.567935	0.0674589	3.80E-17	-0.0008616	0.0148799	0.9538246	0.1098236	10	0.98751784
ENSG00000204152	10	TIMM23B	51371390	rs61846901	10	51056858	T	C	0.328032	0.0057272	0.00846512	0.498682	0.712595	0.0699518	2.27E-24	0.0080371	0.0119055	0.4996266	0.7352905	20	0.8682043
ENSG00000204149	10	AGAP6	51748078	rs56223978	10	51777325	T	G	0.272366	0.00472067	0.00958674	0.622425	-0.319606	0.0555119	8.54E-09	-0.0147703	0.030105	0.6236914	0.9408016	5	0.90296505
ENSG00000188611	10	ASAH2	51942538	rs4497350	10	52499880	G	A	0.747515	0.00157575	0.00851498	0.853185	0.931512	0.0783281	1.30E-32	0.0016916	0.00914214	0.8532025	0.6803743	20	0.97447565
ENSG00000204147	10	ASAH2B	52499078	rs67440360	10	52508516	T	C	0.347913	-0.0005871	0.00840555	0.944312	-0.308903	0.0542002	1.20E-08	0.00190074	0.027213	0.9443158	0.2476764	4	0.98751784
ENSG00000185532	10	PRKG1	52750945	rs7905063	10	52964590	T	C	0.547714	-0.0084137	0.00819214	0.3044	-0.382634	0.0573938	2.61E-11	0.0219889	0.0216624	0.3100725	0.1141881	14	0.78156035
ENSG00000122952	10	ZWINT	58116989	rs72800959	10	58035812	A	T	0.0477137	-0.0112381	0.0269709	0.676916	-1.45193	0.195931	1.26E-13	0.00774011	0.0186052	0.6773969	0.0019371	5	0.92282595
ENSG00000108064	10	TFAM	60144782	rs1049432	10	60155120	T	G	0.178926	-0.009574	0.0130086	0.461746	-0.408032	0.065093	3.65E-10	0.0234639	0.0321003	0.4648069	0.2912229	7	0.85681817
ENSG00000183346	10	C10orf107	63422719	rs12765373	10	63432048	A	T	0.0854871	-0.0191766	0.0112911	0.0894376	1.11597	0.100098	7.26E-29	-0.0171838	0.0102345	0.09314986	0.3914972	18	0.62509594
ENSG00000108187	10	PBLD	70042417	rs78041174	10	70038771	A	G	0.198807	-0.0056364	0.00909113	0.535266	0.438616	0.0621219	1.66E-12	-0.0128504	0.0208066	0.5368323	0.7448298	18	0.8813815
ENSG00000138346	10	DNA2	70173821	rs12220392	10	70246495	C	T	0.106362	-0.0090575	0.0116969	0.438728	-0.887514	0.1063	6.88E-17	0.0102054	0.013236	0.4406849	0.524383	19	0.8522258
ENSG00000122912	10	SLC25A16	70237756	rs142458817	10	70285448	A	G	0.105368	-0.0104958	0.0117051	0.369884	0.552383	0.0755259	2.60E-13	-0.0190009	0.0213489	0.3734541	0.3317533	17	0.81770652
ENSG00000099282	10	TSPAN15	71211229	rs10823398	10	71270363	A	C	0.446322	0.00470692	0.00822371	0.567078	0.200777	0.0366444	4.28E-08	0.0234435	0.0411823	0.5691783	0.3167687	11	0.89127357
ENSG00000042286	10	AIFM2	71857979	rs6480442	10	71900246	T	C	0.406561	0.00746552	0.00815519	0.359966	-0.443304	0.0575663	1.35E-14	-0.0168406	0.0185259	0.3633336	0.5515771	16	0.81680835
ENSG00000079332	10	SAR1A	71907045	rs28391623	10	71917017	A	G	0.440358	0.00129452	0.00805806	0.87237	0.377959	0.0521213	4.12E-13	0.00342503	0.0213252	0.8724008	0.1105005	17	0.97609174
ENSG00000180817	10	PPA1	71962586	rs12771902	10	72002499	A	G	0.368787	0.0120282	0.00812227	0.138636	0.33127	0.0515402	1.30E-10	0.0363094	0.025161	0.148997	0.944493	12	0.66222016
ENSG00000138316	10	ADAMTS14	72432559	rs10823595	10	72422354	A	G	0.23161	0.00786337	0.00910628	0.387856	0.38006	0.0589788	1.16E-10	0.0206898	0.0241743	0.3920748	0.7766273	11	0.82273105
ENSG00000148655	10	C10orf11	77360998	rs61866893	10	78189528	G	A	0.342942	-0.0168092	0.00851726	0.048434	-0.622101	0.0874565	1.13E-12	0.02702	0.0142083	0.0572092	0.923866	4	0.5596292
ENSG00000138326	10	RPS24	79793518	rs2217240	10	79864032	T	A	0.595427	0.00445458	0.00842059	0.596799	0.166072	0.0271505	9.55E-10	0.0268232	0.0508937	0.5981637	0.2045531	4	0.89572075
ENSG00000224596	10	ZMIZ1-AS1	80703085	rs10824709	10	80808527	C	T	0.654076	0.0173416	0.00832037	0.037139	-0.96868	0.0884352	6.39E-28	-0.0179023	0.0087435	0.04060924	0.5986346	8	0.49052578
ENSG00000185303	10	SFTPA2	81315608	rs4794	10	81315872	C	T	0.2833	0.0109417	0.00881523	0.214524	-0.537477	0.0899742	2.32E-09	-0.0203575	0.0167514	0.224263	0.5326976	11	0.72423509
ENSG00000188199	10	NUTM2B	81462983	rs10749148	10	81596500	T	G	0.576541	-0.0043351	0.00821124	0.59754	0.761894	0.0900129	2.58E-17	-0.0056898	0.0107983	0.5982512	0.8409477	20	0.89572075
ENSG00000225484	10	RP11-773D16.1	81563813	rs151093293	10	81512460	G	A	0.133201	-0.0140873	0.0144989	0.331242	-0.822645	0.148201	2.84E-08	0.0171244	0.0178927	0.3385365	0.2345715	9	0.80312382
ENSG00000228570	10	NUTM2E	81601114	rs1834878	10	81432400	C	T	0.202783	0.00692852	0.00892507	0.437572	1.09165	0.103535	5.43E-26	0.00634683	0.00819789	0.4388107	0.9818918	20	0.8522258
ENSG00000133661	10	SFTPD	81697496	rs4335482	10	81743578	C	T	0.600398	0.0134926	0.00820332	0.100016	0.732782	0.0756975	3.65E-22	0.0184128	0.0113552	0.1049032	0.1140519	20	0.63225442
ENSG00000230091	10	TMEM254-AS1	81806616	rs3824727	10	81838656	C	A	0.11829	0.00660767	0.012457	0.595806	0.711075	0.11102	1.50E-10	0.00929251	0.0175785	0.5970632	0.5799787	11	0.89572075
ENSG00000189129	10	PLAC9	81891438	rs3851054	10	81933306	G	A	0.499006	0.0170347	0.00807756	0.0349543	-0.475317	0.0694266	7.58E-12	-0.0358386	0.017782	0.04385841	0.9632393	20	0.50858212
ENSG00000122359	10	ANXA11	81910645	rs9645553	10	81949685	C	T	0.238569	0.0100429	0.00965817	0.298416	-0.483283	0.0646114	7.44E-14	-0.0207806	0.0201767	0.3030428	0.4062624	17	0.77657782
ENSG00000148600	10	CDHR1	85954410	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.682911	0.058423	1.45E-31	-0.0161245	0.0122573	0.188343	0.3315209	17	0.69027352
ENSG00000204033	10	LRIT2	85980254	rs7916271	10	85954220	T	C	0.524851	-0.0110116	0.0083175	0.185534	0.745147	0.0921394	6.11E-16	-0.0147778	0.0113108	0.191377	0.1694743	9	0.69177297
ENSG00000148604	10	RGR	86004809	rs2279227	10	86004873	C	T	0.491054	0.00274504	0.0080485	0.733056	0.64634	0.0671973	6.68E-22	0.00424705	0.0124603	0.7332179	0.9882839	12	0.93606022
ENSG00000122375	10	OPN4	88414314	rs3740341	10	88426042	A	G	0.134195	-0.0159441	0.0106156	0.133109	-1.15693	0.129122	3.25E-19	0.0137814	0.00930368	0.1385313	0.8343027	20	0.66222016
ENSG00000122376	10	FAM35A	88853918	rs11202328	10	88845190	T	C	0.145129	-0.0206115	0.0108289	0.0569902	0.594684	0.100914	3.79E-09	-0.0346596	0.0191358	0.07010296	0.5414585	5	0.5772258
ENSG00000184923	10	NUTM2A	88985205	rs2478639	10	89093624	T	G	0.813121	-0.0060517	0.0106655	0.570432	0.854471	0.106163	8.37E-16	-0.0070824	0.012513	0.5713884	0.967849	11	0.89127357
ENSG00000214562	10	NUTM2D	89117425	rs2475724	10	89136502	A	G	0.210736	0.0122597	0.00977523	0.209784	0.604714	0.108015	2.16E-08	0.0202736	0.0165657	0.2210175	0.6925489	5	0.72154249
ENSG00000026103	10	FAS	90750414	rs6586167	10	90756146	G	T	0.467197	0.00953192	0.00808732	0.238548	0.564622	0.0576462	1.19E-22	0.0168819	0.0144268	0.2419272	0.8068381	17	0.73450129
ENSG00000152778	10	IFIT5	91174343	rs304450	10	91175412	G	A	0.206759	0.0121223	0.00989596	0.220585	-0.701889	0.0904491	8.49E-15	-0.017271	0.0142736	0.2262821	0.5213669	15	0.72807082
ENSG00000232229	10	LINC00865	91589267	rs3802651	10	91599043	T	C	0.168986	-0.0071767	0.0110192	0.514861	1.16262	0.088198	1.12E-39	-0.0061728	0.00948946	0.5153742	0.8625668	20	0.87574629
ENSG00000228701	10	TNKS2-AS1	93542596	rs2487514	10	93633062	G	T	0.578529	0.00127163	0.0087177	0.884026	-0.894717	0.0832249	5.89E-27	-0.0014213	0.00974442	0.8840365	0.9441917	20	0.97615419
ENSG00000187553	10	CYP26C1	94821021	rs12256889	10	94827183	C	A	0.671968	-0.0138368	0.00874677	0.113664	0.70688	0.0849226	8.52E-17	-0.0195745	0.0125952	0.1201569	0.5967742	20	0.65227447
ENSG00000148690	10	FRA10AC1	95427640	rs1998840	10	95460373	G	T	0.132207	-0.0175233	0.0146115	0.230419	1.15645	0.108213	1.17E-26	-0.0151527	0.0127141	0.2333395	0.9894714	20	0.7327307
ENSG00000181274	10	FRAT2	99092255	rs35717991	10	99078483	T	G	0.111332	-0.0050037	0.0125942	0.691148	-0.562996	0.0999379	1.77E-08	0.00888756	0.0224255	0.6918731	0.0776489	19	0.92403695
ENSG00000052749	10	RRP12	99116115	rs6584128	10	99171926	G	T	0.343936	-0.0010784	0.0084319	0.898236	0.301097	0.04751	2.33E-10	-0.0035814	0.0280096	0.8982562	0.1643508	8	0.97900309
ENSG00000171314	10	PGAM1	99185917	rs77309868	10	99195200	T	C	0.05666	0.041998	0.0178285	0.0184897	-0.604305	0.0954618	2.45E-10	-0.069498	0.031479	0.027261	0.9425453	4	0.42271621
ENSG00000171160	10	MORN4	99374310	rs11189303	10	99393234	A	G	0.213718	-0.0270449	0.00977719	0.00567283	-0.585858	0.0567785	5.82E-25	0.0461629	0.0172779	0.00754497	0.2070961	10	0.29082583
ENSG00000119986	10	AVPI1	99437181	rs7072152	10	99445525	G	C	0.248509	-0.0158636	0.00920699	0.0848887	0.283944	0.0431743	4.81E-11	-0.0558688	0.0335197	0.09556514	0.5283948	6	0.62977339
ENSG00000119943	10	PYROXD2	100143322	rs6584192	10	100152373	G	T	0.333996	-0.0041156	0.00827768	0.619053	0.355931	0.0508135	2.48E-12	-0.0115629	0.0233149	0.6199334	0.6581362	14	0.90272968
ENSG00000095485	10	CWF19L1	101992055	rs12784396	10	102027407	T	C	0.427435	-0.0055387	0.00853414	0.516332	0.797463	0.0650834	1.62E-34	-0.0069455	0.0107166	0.5169195	0.01993699	20	0.87590525
ENSG00000196072	10	BLOC1S2	102033713	rs71488053	10	102044312	A	G	0.0487078	0.0174793	0.0182725	0.338776	-0.643488	0.0687281	7.76E-21	-0.0271634	0.0285438	0.3412813	0.00175881	12	0.80555318
ENSG00000107593	10	PKD2L1	102047903	rs646767	10	102084897	T	C	0.120278	0.00526536	0.0130998	0.687725	0.570151	0.0871873	6.18E-11	0.00923503	0.0230194	0.688284	0.01884718	5	0.92403695
ENSG00000075826	10	SEC31B	102246399	rs10509744	10	102271579	T	C	0.191849	0.0295779	0.00955345	0.00196119	-0.387394	0.0570743	1.14E-11	-0.0763509	0.0271051	0.00484981	0.259016	5	0.29082583
ENSG00000107819	10	SFXN3	102790991	rs76529895	10	102795731	A	G	0.105368	0.0137092	0.0151608	0.365862	-0.442671	0.07916	2.24E-08	-0.0309693	0.0346933	0.3720403	0.4725006	7	0.81739875
ENSG00000269609	10	RP11-18I14.10	104209574	rs1133932	10	104215975	G	A	0.0944334	-0.0058032	0.0179323	0.746229	-0.926187	0.143893	1.22E-10	0.00626565	0.0193859	0.7465387	0.7776838	18	0.93648451
ENSG00000138111	10	TMEM180	104221149	rs7081467	10	104231662	C	G	0.563618	0.00683675	0.00807387	0.39712	-0.336221	0.0595942	1.68E-08	-0.0203341	0.0242825	0.4023703	0.3333157	6	0.8240298

ENSG00000166275	10	C10orf32	104613980	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.735208	0.0677855	2.08E-27	0.00510688	0.0133731	0.7025529	0.2926424	20	0.92859872
ENSG00000214435	10	AS3MT	104629273	rs9527	10	104623578	T	C	0.251491	-0.0037546	0.00982593	0.702377	-0.707869	0.0878295	7.66E-16	0.00530412	0.0138966	0.7026952	0.2470072	20	0.92859872
ENSG00000273108	10	RP11-416N2.4	105368376	rs10883886	10	105337994	C	T	0.22664	-0.0174531	0.0104583	0.0951503	0.392826	0.0694122	1.52E-08	-0.0444296	0.0277566	0.1094468	0.19933	8	0.63551762
ENSG00000197748	10	WDR96	105889646	rs581533	10	105933138	C	T	0.362823	-0.0117884	0.00894641	0.187616	0.557534	0.0824195	1.34E-11	-0.0211438	0.016348	0.1958867	0.7568094	14	0.6984939
ENSG00000065621	10	GSTO2	106028631	rs276204	10	106035313	G	C	0.368787	-0.0128347	0.00868268	0.139355	-0.884261	0.0754086	9.35E-32	0.0145146	0.00989685	0.1424879	0.0503666	20	0.66222016
ENSG00000228261	10	RP11-127L20.3	106083127	rs6584592	10	106039780	T	C	0.364811	-0.012865	0.00868279	0.138429	-0.650003	0.106946	1.22E-09	0.0197922	0.0137493	0.1500062	0.2938677	20	0.66222016
ENSG00000232934	10	RP11-324O2.3	114165977	rs7915778	10	114199172	T	C	0.299205	0.0206769	0.00871552	0.0176722	0.755576	0.095457	2.47E-15	0.0273657	0.0120419	0.02305383	0.7285704	9	0.40523733
ENSG00000023041	10	ZDHHC6	114190058	rs11195952	10	114173554	A	G	0.0944334	-0.0070494	0.0153919	0.646956	-0.676242	0.121228	2.43E-08	0.0104244	0.0228375	0.6480596	0.05410704	4	0.91377664
ENSG00000165806	10	CASP7	115438942	rs7918733	10	115439394	T	C	0.39662	0.00469551	0.00841353	0.576782	0.301067	0.0476251	2.59E-10	0.0155962	0.0280544	0.57826	0.151529	4	0.89127357
ENSG00000234393	10	RP11-211N11.5	115470440	rs4523651	10	115546069	T	C	0.38171	-0.0061409	0.00885976	0.488235	0.852837	0.0939365	1.10E-19	-0.0072005	0.0104188	0.4894976	0.9876062	13	0.86791667
ENSG00000151892	10	GFRA1	117816444	rs11197563	10	117926218	A	G	0.398608	0.00460186	0.00829076	0.578854	-0.450786	0.0660373	8.72E-12	-0.0102085	0.0184525	0.5801039	0.1192691	10	0.89127357
ENSG00000238276	10	RP11-245J24.1	120001076	rs12254436	10	120020507	C	T	0.558648	0.0149919	0.00825875	0.06948	-0.370437	0.057257	9.82E-11	-0.0404708	0.0231556	0.08050199	0.5811915	8	0.60486272
ENSG00000183605	10	SFXN4	120900279	rs10749291	10	120920588	C	T	0.437376	0.0110978	0.00815534	0.173576	0.904581	0.0702606	6.25E-38	0.0122684	0.00906582	0.1759715	0.5653247	20	0.68257826
ENSG00000227165	10	WDR11-AS1	122521324	rs10510081	10	122578338	G	A	0.10338	0.00193272	0.013193	0.88353	0.641555	0.117605	4.89E-08	0.00301256	0.0205715	0.8835716	0.3663648	4	0.97615419
ENSG00000120008	10	WDR11	122610687	rs2000378	10	122636139	A	C	0.333996	-0.0054159	0.00883007	0.53965	-0.363178	0.0487961	9.86E-14	0.0149124	0.0243958	0.5410204	0.7738584	17	0.8813815
ENSG00000226864	10	RP11-500G22.2	123687827	rs10887024	10	123688152	T	A	0.296223	0.00301962	0.00839502	0.719078	-1.02555	0.0817499	4.24E-36	-0.0029444	0.00818924	0.7191881	0.2164257	20	0.93305022
ENSG00000203791	10	METTL10	126436718	rs11245387	10	126537825	T	C	0.659046	-0.0050377	0.00856857	0.556584	-0.428834	0.0628975	9.23E-12	0.0117473	0.0200552	0.5580447	0.7567214	20	0.8881112
ENSG00000188690	10	UROS	127477146	rs4256900	10	127511756	T	C	0.44334	0.0199608	0.00814064	0.0142066	-0.634055	0.0469007	1.21E-41	-0.0314812	0.0130485	0.0158378	0.8195874	20	0.36210503
ENSG00000203780	10	FANK1	127585108	rs1278247	10	127722618	C	T	0.652087	0.0151756	0.00916689	0.0978273	-0.555895	0.0848613	5.73E-11	-0.0272994	0.0170088	0.1084897	0.8228948	7	0.63551762
ENSG00000170430	10	MGMT	131265448	rs10741191	10	131307276	G	C	0.581511	-0.0059714	0.00808864	0.460363	0.560537	0.0658065	1.62E-17	-0.0106531	0.0144843	0.4620393	0.7596004	20	0.85681817
ENSG00000188385	10	JAKMIP3	133918175	rs11592585	10	133955427	G	A	0.341948	0.00114395	0.00836815	0.891265	0.568235	0.0529088	6.61E-27	0.00201316	0.0147278	0.8912744	0.1279718	15	0.97809693
ENSG00000235010	10	RP11-140A10.3	133994729	rs2814165	10	133994747	C	T	0.804175	-0.008703	0.0101878	0.392962	-0.84443	0.12128	3.34E-12	0.0103064	0.0121552	0.3964936	0.2456299	8	0.82273105
ENSG00000148814	10	LRRC27	134145614	rs56678407	10	134167502	A	C	0.11829	-0.0091651	0.0115163	0.426127	0.889706	0.090223	6.13E-23	-0.0103013	0.012986	0.427627	0.7111249	19	0.84621731
ENSG00000229081	10	RP11-432J24.6	134334331	rs4412685	10	134294337	G	A	0.468191	-0.0063712	0.00809242	0.431106	0.52692	0.0940595	2.12E-08	-0.0120913	0.0155089	0.4356033	0.4411659	17	0.85152661
ENSG00000232903	10	RP13-137A17.4	134757471	rs9419130	10	134786503	T	C	0.0238569	-0.0027884	0.040957	0.945721	1.22188	0.172171	1.28E-12	-0.0022821	0.0335212	0.9457231	0.2920236	10	0.98751784
ENSG00000240707	10	RP13-137A17.6	134779038	rs6560667	10	134792456	C	T	0.612326	-0.0148304	0.00810471	0.0672729	-0.415805	0.0596646	3.19E-12	0.0356667	0.0201523	0.07675089	0.6425249	11	0.59492201
ENSG00000148824	10	MTG1	135207598	rs2297031	10	135232654	T	C	0.222664	-0.0004777	0.010111	0.962318	0.838016	0.0799573	1.06E-25	-0.00057	0.0120655	0.9623182	0.270156	19	0.98751784
ENSG00000214279	10	RP11-108K14.4	135267432	rs2245170	10	135242873	A	G	0.671968	0.00035221	0.00886877	0.968322	0.63444	0.0807567	3.96E-15	0.00055515	0.0139791	0.968322	0.2307171	12	0.98942165
ENSG00000177963	11	RIC8A	207511	rs6598066	11	243185	G	A	0.730616	-0.004249	0.00944184	0.652698	-0.401224	0.0615849	7.27E-11	0.0105901	0.0235887	0.6534688	0.7747291	13	0.91384759
ENSG00000142082	11	SIRT3	215458	rs2293169	11	211015	T	C	0.45328	0.00144351	0.0081777	0.859887	-0.280725	0.046042	1.08E-09	-0.0051421	0.0291428	0.8599452	0.8567358	8	0.97475956
ENSG00000185627	11	PSMD13	236546	rs10794304	11	246456	A	G	0.729622	-0.0042488	0.00944205	0.65272	-0.494756	0.0536419	2.88E-20	0.00858767	0.019107	0.6531053	0.8368895	20	0.91384759
ENSG00000142102	11	ATHL1	289135	rs7110174	11	296203	G	A	0.737575	-0.0127667	0.00910254	0.160754	0.454653	0.0576643	3.16E-15	-0.0280801	0.0203352	0.1673205	0.06114423	16	0.68031154
ENSG00000251661	11	RP11-326C3.11	318640	rs11246065	11	324170	G	A	0.353877	-0.0084383	0.00927664	0.36302	0.551803	0.0730017	4.07E-14	-0.0152922	0.0169328	0.3664682	0.7547179	16	0.81680835
ENSG00000255328	11	RP11-326C3.12	327171	rs11246067	11	326564	T	A	0.417495	0.00697197	0.00808765	0.388659	0.744314	0.0819379	1.05E-19	0.00936697	0.0109147	0.3907844	0.6663156	15	0.82273105
ENSG00000270972	11	RP11-326C3.15	333192	rs6598038	11	330989	A	G	0.371769	0.0071203	0.00815682	0.382703	0.493371	0.0852625	7.19E-09	0.0144319	0.0167199	0.3880497	0.8764421	8	0.82273105
ENSG00000185187	11	SIGIRR	405716	rs35828848	11	403545	T	C	0.217694	-0.007046	0.00975895	0.47029	-0.524093	0.0600776	2.69E-18	0.0134442	0.0186843	0.4718041	0.2269221	10	0.85748987
ENSG00000174775	11	HRAS	532242	rs12420647	11	538940	A	G	0.326044	-0.0008692	0.00893159	0.922479	-0.290026	0.0455856	1.99E-10	0.0029968	0.0307994	0.9224877	0.8754044	20	0.98319553
ENSG00000161328	11	LRRC56	537527	rs11246178	11	540584	A	G	0.11332	0.0167005	0.0120111	0.164402	-0.667592	0.0981076	1.01E-11	-0.025016	0.0183634	0.1731114	0.2860705	17	0.68081994
ENSG00000177042	11	TMEM80	695428	rs12277188	11	688091	T	C	0.492048	-0.0030327	0.0080503	0.706379	-0.83601	0.0756331	2.11E-28	0.00362762	0.00963502	0.7065422	0.8799304	20	0.92891875
ENSG00000255284	11	AP006621.5	777578	rs7104929	11	784340	G	C	0.445328	0.0004775	0.00809258	0.952948	0.711764	0.0744179	1.13E-21	0.00067087	0.01137	0.9529494	0.2355313	20	0.98751784
ENSG00000177595	11	PIDD	799179	rs10902222	11	810882	T	G	0.644135	0.0106013	0.00881904	0.229327	0.262741	0.0399888	5.02E-11	0.0403489	0.0341227	0.2370213	0.06783148	20	0.73450129
ENSG00000177666	11	PNPLA2	818902	rs7925131	11	820268	G	A	0.692843	0.011214	0.00915735	0.220731	-0.747614	0.0592769	1.81E-36	-0.0149997	0.0123064	0.222898	0.1606808	20	0.72348534
ENSG00000117983	11	MUC5B	1244296	rs4963050	11	1249536	T	G	0.289264	-0.0027456	0.00899713	0.760239	0.726226	0.109738	3.65E-11	-0.0037807	0.012402	0.7604854	0.1711453	10	0.94074281
ENSG00000184545	11	DUSP8	1575274	rs61867511	11	1487046	A	G	0.574553	-0.001542	0.00840891	0.854503	-0.184956	0.0303023	1.04E-09	0.00833706	0.0454849	0.8545681	0.1833925	20	0.97447565
ENSG00000233930	11	KRTAP5-AS1	1592583	rs1809668	11	1619907	A	G	0.527833	-0.0099526	0.00830695	0.230876	-0.812134	0.0517119	1.40E-55	0.0122549	0.0102583	0.2322301	0.8563916	20	0.7327307
ENSG00000214026	11	MRPL23	1968508	rs1104890	11	1962700	T	C	0.177932	0.00050936	0.0109126	0.962771	-0.940705	0.106453	9.85E-19	-0.0005415	0.0116006	0.9627717	0.6835712	6	0.98751784
ENSG00000232987	11	AC051649.6	2012326	rs61868802	11	1925953	G	A	0.292247	0.00440659	0.00889001	0.62012	0.656547	0.0983409	2.45E-11	0.00671177	0.0135778	0.6210814	0.7550063	5	0.90296505
ENSG00000254827	11	SLC22A18AS	2909010	rs413781	11	2925621	T	G	0.619284	-0.0050134	0.00832591	0.547078	-0.454436	0.0824354	3.54E-08	0.0110322	0.0184304	0.5494495	0.6626051	6	0.88412409
ENSG00000110628	11	SLC22A18	2920951	rs450208	11	2931981	T	G	0.803181	-0.0130459	0.010287	0.20473	-0.47731	0.0766628	4.78E-10	0.0273321	0.0219946	0.2139873	0.6754048	10	0.71009944
ENSG00000183562	11	AC131971.1	3011093	rs73425674	11	3026380	G	A	0.0994036	0.0168329	0.0154237	0.275112	0.840253	0.146328	9.34E-09	0.0200331	0.0186846	0.2836424	0.6405852	6	0.76420011
ENSG00000005801	11	ZNF195	3360491	rs3794189	11	3392098	G	C	0.791252	0.00666204	0.00988784	0.500463	0.527253	0.0819226	1.23E-10	0.0126354	0.018856	0.5027947	0.3483101	7	0.87072989
ENSG00000167325	11	RRM1	4115937	rs12806698	11	4115974	A	C	0.2833	0.00289706	0.00844048	0.731422	0.309623	0.0507889	1.09E-09	0.00935673	0.0273037	0.7318307	0.2206852	20	0.93606022
ENSG00000167333	11	TRIM68	4619902	rs75575948	11	4647575	A	T	0.0437376	-0.0530204	0.029607	0.0733247	-0.765112	0.132292	7.32E-09	0.0692976	0.0405089	0.08714105	0.9100306	6	0.61929877
ENSG00000167332	11	OR51E2	4701401	rs75101533	11	4757764	C	A	0.138171	0.0126141	0.0142079	0.374637	1.15588	0.147047	3.82E-15	0.010913	0.01237	0.3776613	0.349057	13	0.82000125
ENSG00000132259	11	CNGA4	6255995	rs77094397	11	6256668	G	A	0.0188867	0.0261372	0.0225678	0.246797	1.83802	0.259724	1.48E-12	0.0142203	0.0124417	0.2530559	0.00132915	5	0.73719186
ENSG00000254595	11	CTD-2010I16.1	6509416	rs960456	11	6617527	C	G	0.395626	0.00379664	0.00824597	0.645211	0.578471	0.0911756	2.23E-10	0.00656323	0.0142923	0.646079	0.447272	7	0.91263867
ENSG00000166341	11	DCHS1	6642556	rs12288043	11	6676285	G	A	0.181909	-0.0168621	0.00917604	0.066118	0.435947	0.0685607	2.04E-10	-0.0386792	0.0219099	0.07750027	0.9358858	3	0.59753533
ENSG00000130413	11	STK33	8413418	rs7118501	11	8520408	A	G	0.267396	0.00092347	0.00907211	0.918921	-0.180027	0.0301234	2.28E-09	-0.0051296	0.0504004	0.9189333	0.7941814	10	0.9811959
ENSG00000166452	11	AKIP1	8932686	rs7948452	11	8877704	C	T	0.303181	0.0140484	0.00900195	0.118618	-0.322416	0.0590558	4.77E-08	-0.0435723	0.0290386	0.1334859	0.2758533	7	0.66222016
ENSG00000254860	11	TMEM9B-AS1	8986222	rs2248245	11	8988350	A	G	0.209742	0.0115929	0.0103642	0.26333	0.947349	0.0965648	1.01E-22	0.0122372	0.0110111	0.2664168	0.529735	20	0.74993584
ENSG00000133805	11	AMPD3	10329860	rs7111970	11	10471680	A	G	0.464215	-0.0088702	0.00813664	0.275647	0.416488	0.0731423	1.24E-08	-0.0212975	0.0198911	0.2843017	0.4759466	12	0.76436273
ENSG00000177112	11	MRVI1-AS1	10562819	rs1462941	11	10563090	T	G	0.0954274	-0.0038471	0.0149741	0.797244	-1.33731	0.141605	3.59E-21	0.00287674	0.0112013	0.7973168	0.2914685	10	0.95632975
ENSG00000197702	11	PARVA	12398732	rs1493966	11	12378512	A	G	0.877734	0.00512694	0.0120528	0.670565	-0.359383	0.057612	4.43E-10	-0.014266	0.0336154	0.671283	0.6784234	8	0.91884947
ENSG00000006071	11	ABCC8	17414432	rs35762444	11	17412769	A	C	0.378728	0.0168497	0.00837498	0.0442293	0.297459	0.0424077	2.31E-12	0.0566455	0.0292904	0.05312206	0.6076889	10	0.54356555
ENSG00000166788	11	SAAL1	18091482	rs11024476	11	18114579	A	G	0.260437	0.00617305	0.008909	0.488372	-0.813093	0.098313	1.33E-16	-0.0075921	0.0109953	0.4898915	0.9985058	16	0.86791667
ENSG00000110768	11	GTF2H1	18343842	rs4150655	11	18375164	T	A	0.71173	-0.0055362	0.00889519	0.533692	0.367263	0.0406321	1.58E-19	-0.0150742	0.0242776	0.5346589	0.2359697	12	0.8813815
ENSG00000166796	11	LDHC	18433854	rs60743577	11	18432375	C	T	0.115308	0.0318772	0.0136274	0.0193255	1.65152	0.145841	9.97E-30	0.0193017	0.00842564	0.02197301	0.6164944	12	0.4006274
ENSG00000109854	11	HTATIP2	20385231	rs11025525	11	20379963	G	C	0.536779	0.00149949	0.0080743	0.852671	0.411183	0.0688755	2.37E-09	0.00364677	0.0196463	0.8527415	0.8484418	3	0.97447565
ENSG00000245573	11	BDNF-AS	27528385	rs12223664	11	27627850	A	C	0.542744	0.00809015	0.0081468	0.320687	0.24135	0.0369081	6.18E-11	0.0335204	0.0341421	0.3262033	0.1514299	17	0.78543469
ENSG00000169519	11	METTL15	28129795	rs7127069	11	28325412	G	A	0.295229	0.0082864	0.00862401	0.336626	-0.383109	0.061322	4.17E-10	-0.0216294	0.0227753	0.3422718	0.9802245	7	0.80555318
ENSG00000152219	11	ARL14EP	30344598	rs4267043	11	30293769	A	T	0.332008	-0.0045312	0.00854425	0.595887	-0.248673	0.044905	3.06E-08	0.0182216	0.0345166	0.5975627	0.01408371	6	0.89572075
ENSG00000242353	11	RP4-710M3.1	30389695	rs12796693	11	30429583	C	A	0.239563	0.00148171	0.00995489	0.881678	-0.763118	0.100771	3.65E-14	-0.0019417	0.0130475	0.8817007	0.3303186	7	0.97615419
ENSG00000060749	11	QSER1	32914724	rs11032074	11	32993887	A	G	0.808151	0.00559949	0.0105919	0.597042	0.298004	0.0478154	4.59E-10	0.01879	0.0356705	0.5983561	0.01277937	5	0.89572075
ENSG00000085063	11	CD59	33719807	rs704701	11	33743679	G	T	0.296223	0.00183693	0.00831211	0.825096	-0.295527	0.0405401	3.11E-13	-0.0062158	0.0281393	0.8251758	0.3177437	12	0.96394856
ENSG00000135372	11	NAT10	34127149	rs2473929	11	34174296	C	T	0.919483	0.00935539	0.012757	0.463341	0.4316	0.0722922	2.37E-09	0.0216761	0.0297796	0.4666854	0.9396778	6	0.85681817
ENSG00000121691	11	CAT	34460472	rs3781711	11	34516626	A	G	0.204771	0.0052916	0.0102536	0.605804	-0.297531	0.0509938	5.39E-09	-0.017785	0.0345968	0.6072062	0.4925125	10	0.89810754
ENSG00000149089	11	APIP	34874641	rs3852516	11	34964491	G	A	0.328032	0.00359698	0.00922847	0.696707	0.944355	0.0751513	3.25E-36	0.00380893	0.00977695	0.6968453	0.06347728	20	0.92702227
ENSG00000149084	11	HSD17B12	43577986	rs57635800	11	43878485	A	G	0.303181	0.0046287	0.00878739	0.598372	-0.616647	0.0584871	5.45E-26	-0.0075062	0.014268	0.5988276	0.1939878	18	0.89572075
ENSG00000166199	11	ALKBH3	43902361	rs2271820	11	43905096	C	T	0.235586	-0.0319491	0.00901883	0.00039637	0.539603	0.0741878	3.50E-13	-0.0592085	0.0185908	0.00144837	0.171598	9	0.24091354
ENSG00000110455	11	ACCS	44087475	rs178505	11	44084849	T	C	0.456262	0.00618176	0.00811163	0.446008	0.56007	0.0714847	4.70E-15	0.0110375	0.0145516	0.448148	0.657616	20	0.85269709
ENSG00000085117	11	CD82	44585977	rs4076854	11	44617749	A	G	0.106362	0.0221339	0.0125466	0.0777106	0.409926	0.0729675	1.93E-08	0.0539949	0.0320806	0.0923553	0.7340538	3	0.62509594
ENSG00000157570	11	TSPAN18	44748015	rs7936009	11	44749649	T	C	0.846918	0.00395349	0.0108209	0.714845	0.661526	0.108199	9.72E-10	0.00597632	0.0163867	0.7153307	0.3523578	6	0.93305022
ENSG00000254427	11	RP11-430H10.1	45376922	rs12418562	11	45373480	C	G	0.185885	-0.0076757	0.0108602	0.479705	1.10822	0.128804	7.70E-18	-0.0069262	0.00983269	0.4811821	0.2769753	17	0.86374422
ENSG00000254746	11	RP11-958J22.1	45511239	rs896327	11	45554661	A	G	0.734592	-0.0015155	0.00889226	0.86467	0.351212	0.0566304	5.58E-10	-0.0043151	0.0253283	0.8647206	0.00342263	8	0.97475956
ENSG00000175264	11	CHST1	45670427	rs4148894	11	45680210	A	G	0.581511	0.0275463	0.00810647	0.00067866	0.258132	0.0447325	7.90E-09	0.106714	0.0364447	0.00341034	0.4144482	7	0.26720498
ENSG00000205106	11	CTD-2210P24.4	45792983	rs11038665	11	45830198	G	A	0.744533	-0.0122416	0.0088845	0.168246	-0.511611	0.0719523	1.16E-12	0.0239276	0.0176888	0.1761525	0.02208382	16	0.68257826
ENSG00000110514	11	MADD	47290712	rs35233100	11	47306630	T	C	0.0516899	0.0282137	0.0202641	0.163831	-0.413463	0.0587711	1.99E-12	-0.0682375	0.0499613	0.1719988	0.7384563	9	0.68081994
ENSG00000196666	11	FAM180B	47608198	rs4752857	11	47655752	T	C	0.353877	-0.0249698	0.0084253	0.00303997	0.542272	0.095065	1.17E-08	-0.0460466	0.0175089	0.00854116	0.05859705	6	0.29082583
ENSG00000109919	11	MTCH2	47638867	rs4752857	11	47655752	T	C	0.353877	-0.0249698	0.0084253	0.00303997	0.391891	0.063556	7.00E-10	-0.0637162	0.0238535	0.00755924	0.05683314	7	0.29082583
ENSG00000205035	11	RP11-707M1.1	49580098	rs7123316	11	49861633	A	G	0.591451	0.00951465	0.00818053	0.244795	0.669484	0.0642045	1.86E-25	0.0142119	0.0122949	0.2477154	0.1240543	15	0.73450129
ENSG00000219061	11	TRIM51FP	49854692	rs4097532	11	50323878	T	C	0.508946	0.0085793	0.00812722	0.291139	0.57796	0.0898159	1.24E-10	0.0148441	0.0142499	0.2975499	0.5631674	11	0.7734327
ENSG00000255190	11	TRIM51DP	49896497	rs7394619	11	49882314	G	A	0.511928	0.00557413	0.00805032	0.488679	0.92285	0.0835526	2.31E-28	0.00604013	0.00874045	0.4895313	0.469993	11	0.86791667
ENSG00000255442	11	RP11-347H15.1	50129327	rs12805220	11	49605237	T	C	0.143141	-0.0138351	0.0127296	0.277104	0.450859	0.0801716	1.87E-08	-0.0306861	0.0287565	0.285927	0.5359994	14	0.76436273
ENSG00000254547	11	RP11-738O11.13	55635045	rs297117	11	55540700	G	A	0.252485	-3.58E-05	0.0088506	0.99677	0.662465	0.109733	1.57E-09	-5.41E-05	0.0133601	0.9967703	0.1161227	16	0.99883757
ENSG00000149150	11	SLC43A1	57252007	rs11229169	11	57703725	G	C	0.140159	-0.0080647	0.0116409	0.488442	0.460137	0.0813937	1.57E-08	-0.0175267	0.025488	0.4916759	0.6194664	14	0.86791667
ENSG00000134809	11	TIMM10	57295936	rs2848626	11	57283988	T	C	0.791252	-0.0046482	0.0102583	0.650462	-0.388002	0.0617149	3.24E-10	0.0119799	0.0265074	0.6513074	0.1114126	19	0.91384759
ENSG00000214872	11	SMTNL1	57308979	rs2729373	11	57325251	A	C	0.44334	-0.0007904	0.00807984	0.922068	0.672415	0.0765921	1.65E-18	-0.0011755	0.0120169	0.9220732	0.3277628	17	0.98319553
ENSG00000166928	11	MS4A14	60146003	rs2233238	11	60145441	C	G	0.659046	-0.0230009	0.00840465	0.00620597	0.452886	0.0717428	2.74E-10	-0.0507874	0.0202269	0.01204283	0.1631672	12	0.34722554
ENSG00000013725	11	CD6	60739115	rs2074227	11	60776781	C	T	0.357853	-0.0147868	0.0093533	0.113896	-1.00443	0.0764628	2.04E-39	0.0147216	0.00937924	0.11651	0.267287	20	0.64624497
ENSG00000149532	11	CPSF7	61170121	rs80264062	11	61183554	G	C	0.05666	0.0131345	0.0267234	0.623075	-0.531986	0.0913249	5.70E-09	-0.0246896	0.0504118	0.6243052	0.057342	3	0.90296505
ENSG00000149485	11	FADS1	61567099	rs174561	11	61582708	C	T	0.303181	0.024811	0.00824121	0.00260723	-0.287316	0.0494129	6.08E-09	-0.0863544	0.0323002	0.00750652	0.545496	7	0.29082583
ENSG00000162174	11	ASRGL1	62104920	rs12792678	11	62085486	G	A	0.588469	-0.0012182	0.00827543	0.882972	-0.239499	0.0345577	4.20E-12	0.00508628	0.0345609	0.8829988	0.9085445	8	0.97615419
ENSG00000255717	11	SNHG1	62619460	rs147861683	11	62640727	G	A	0.0437376	-0.0031642	0.0161171	0.844355	0.587368	0.0948387	5.89E-10	-0.0053871	0.0274533	0.844432	0.9134802	3	0.9729333
ENSG00000149743	11	TRPT1	63991271	rs4980506	11	63878350	G	C	0.0616302	0.00420203	0.0183957	0.819317	-0.633204	0.0809007	5.00E-15	-0.0066361	0.0290641	0.8193918	0.6361978	11	0.9628767
ENSG00000219435	11	TEX40	64067863	rs477895	11	64048912	T	C	0.833002	-0.0147176	0.0110173	0.181594	0.608264	0.0926716	5.25E-11	-0.0241961	0.018484	0.1905254	0.6677466	14	0.69128052
ENSG00000168071	11	CCDC88B	64107695	rs479552	11	64110683	C	G	0.371769	-0.0134796	0.00819479	0.0999908	-0.400605	0.0539264	1.10E-13	0.0336481	0.0209515	0.1082739	0.6845867	20	0.63551762
ENSG00000231680	11	AP003774.6	64161814	rs692813	11	64158706	A	G	0.555666	-0.0110929	0.0080677	0.16914	-0.603527	0.0791565	2.45E-14	0.0183801	0.0135832	0.1760078	0.8929528	10	0.68257826
ENSG00000110025	11	SNX15	64794880	rs947799	11	64851305	T	C	0.636183	0.022837	0.0082282	0.00551239	0.398933	0.0703839	1.45E-08	0.0572452	0.0229656	0.0126793	0.6732803	6	0.34722554
ENSG00000255200	11	AP003068.18	64941588	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-0.762445	0.0922555	1.40E-16	0.0163814	0.0117822	0.1644239	0.02537854	15	0.67999547
ENSG00000254614	11	AP003068.23	64945077	rs12422027	11	64948555	G	A	0.305169	-0.0124899	0.00885527	0.158407	-1.18973	0.0989215	2.56E-33	0.0104981	0.0074941	0.1612595	0.01246823	20	0.67999547
ENSG00000014138	11	POLA2	65029233	rs525141	11	65089792	C	G	0.894632	0.0186317	0.00967886	0.05423	-0.637047	0.105069	1.33E-09	-0.029247	0.0159407	0.06654452	0.0088032	3	0.57158494
ENSG00000245532	11	NEAT1	65190245	rs674485	11	65197393	A	G	0.756461	-0.0025536	0.0109241	0.815172	-0.448267	0.0547157	2.56E-16	0.00569663	0.0243795	0.8152457	0.09866831	14	0.9628767
ENSG00000172922	11	RNASEH2C	65482367	rs3372	11	65485218	A	G	0.355865	0.00230086	0.00896048	0.797349	-0.30197	0.0476393	2.32E-10	-0.0076195	0.0296977	0.7975121	0.877348	4	0.95632975
ENSG00000172803	11	SNX32	65601112	rs17854357	11	65601560	C	G	0.161034	0.0109134	0.012092	0.366773	0.814441	0.0865569	4.99E-21	0.0133999	0.0149151	0.3689685	0.59827	15	0.81680835
ENSG00000172500	11	FIBP	65651212	rs588114	11	65662752	A	G	0.188867	0.00833252	0.0111623	0.455372	0.280681	0.0398715	1.93E-12	0.0296868	0.0399916	0.45789	0.959757	3	0.85681817
ENSG00000087365	11	SF3B2	65818200	rs477280	11	65835251	A	C	0.275348	-0.0004077	0.00874749	0.96283	-0.355235	0.0558376	1.99E-10	0.00114758	0.0246252	0.9628307	0.7063742	4	0.98751784
ENSG00000255320	11	RP11-755F10.1	66012311	rs2155198	11	66014300	T	C	0.173956	-0.0295182	0.0105816	0.00527764	1.20578	0.119562	6.44E-24	-0.0244806	0.00910527	0.00717485	0.1814906	19	0.29082583
ENSG00000174165	11	ZDHHC24	66288108	rs12272545	11	66302724	G	A	0.244533	2.88E-05	0.00833728	0.99724	-0.79921	0.0854356	8.40E-21	-3.61E-05	0.0104319	0.9972396	0.2038977	15	0.99887256
ENSG00000173715	11	C11orf80	66511922	rs35287213	11	66569509	T	G	0.111332	0.0100335	0.0223793	0.653909	-0.636503	0.096271	3.80E-11	-0.0157635	0.0352405	0.6546504	0.1768394	4	0.91470231
ENSG00000173156	11	RHOD	66824289	rs11227678	11	66842469	A	G	0.0745527	0.0125086	0.0161382	0.438284	-0.685661	0.105448	7.91E-11	-0.0182431	0.0237033	0.4415111	0.5159916	11	0.8522258
ENSG00000172830	11	SSH3	67070919	rs1638569	11	67135856	G	A	0.0357853	0.00090048	0.0188251	0.961849	-0.879784	0.122806	7.83E-13	-0.0010235	0.0213979	0.9618494	0.4471081	6	0.98751784
ENSG00000172613	11	RAD9A	67159176	rs61734601	11	67184725	A	G	0.0685885	0.0241226	0.0181297	0.183334	0.687485	0.109399	3.30E-10	0.0350882	0.0269557	0.1930192	0.02832231	9	0.69257289
ENSG00000084207	11	GSTP1	67351066	rs4147581	11	67351585	G	C	0.493042	-0.01812	0.00806624	0.024678	0.263553	0.032161	2.51E-16	-0.0687528	0.0317349	0.03027492	0.006858	20	0.43883497
ENSG00000255306	11	RP5-901A4.1	67792277	rs886701	11	67795066	T	C	0.218688	-0.0164451	0.0116712	0.158826	1.06128	0.131228	6.10E-16	-0.0154955	0.011163	0.1651	0.3838892	9	0.67999547
ENSG00000069482	11	GAL	68451247	rs11228324	11	68451973	C	T	0.833002	-0.0267839	0.0138249	0.0526999	-0.579964	0.10187	1.25E-08	0.046182	0.0251799	0.06664219	0.391468	4	0.57158494
ENSG00000132749	11	MTL5	68474908	rs4460815	11	68479972	A	G	0.663022	-0.0224048	0.010927	0.0403246	0.346483	0.0620348	2.33E-08	-0.0646635	0.0335948	0.05425384	0.03816571	5	0.54611765
ENSG00000250508	11	RP11-757G1.6	68638132	rs11228384	11	68628369	C	T	0.579523	-0.0001029	0.00831693	0.990125	-0.492101	0.084865	6.69E-09	0.00020918	0.0169009	0.9901248	0.4241874	4	0.99631093
ENSG00000197345	11	MRPL21	68658744	rs2444765	11	68655063	A	C	0.300199	-0.0082148	0.00832727	0.323894	-0.765027	0.0548125	2.85E-44	0.0107379	0.0109121	0.3250993	0.4032005	20	0.78543469
ENSG00000132740	11	IGHMBP2	68671310	rs2444765	11	68655063	A	C	0.300199	-0.0082148	0.00832727	0.323894	0.364442	0.0576909	2.66E-10	-0.0225406	0.0231263	0.3297214	0.8809758	20	0.79062228
ENSG00000131626	11	PPFIA1	70116806	rs7942766	11	70238030	C	T	0.347913	0.0014659	0.00820178	0.85815	-0.19424	0.0344507	1.72E-08	-0.0075469	0.0422462	0.8582206	0.00530938	3	0.97475956
ENSG00000254682	11	RP11-660L16.2	71159720	rs11233747	11	71171642	A	G	0.700795	0.00740373	0.00824541	0.369227	0.981792	0.0693627	1.75E-45	0.00754104	0.00841521	0.3701886	0.3307482	20	0.81680835
ENSG00000244411	11	KRTAP5-7	71238313	rs909217	11	71146577	A	G	0.697813	0.00955394	0.00818657	0.2432	0.448383	0.081175	3.32E-08	0.0213075	0.018661	0.2535289	0.8228321	9	0.73719186
ENSG00000254997	11	KRTAP5-9	71259466	rs78300366	11	71205514	G	A	0.188867	-0.0042926	0.00906335	0.635773	0.805263	0.128121	3.27E-10	-0.0053306	0.0112871	0.6367281	0.4232743	4	0.90974606
ENSG00000255562	11	UNC93B6	71314306	rs4245445	11	71345288	G	A	0.672962	0.00021827	0.00839995	0.97927	-0.587341	0.0968686	1.33E-09	-0.0003716	0.0143018	0.9792702	0.5874049	9	0.99106084
ENSG00000214530	11	STARD10	72465774	rs519790	11	72504141	G	C	0.281312	-0.00665	0.00914589	0.467165	0.451722	0.051985	3.64E-18	-0.0147214	0.0203175	0.468717	0.2133478	9	0.85681817
ENSG00000175581	11	MRPL48	73498361	rs3018335	11	73609011	C	T	0.309145	0.00031563	0.00925316	0.972789	-0.324611	0.0581262	2.34E-08	-0.0009723	0.0285059	0.9727897	0.2899642	7	0.99020974
ENSG00000175575	11	PAAF1	73587744	rs60863026	11	73633779	A	G	0.0815109	-0.0106365	0.0179451	0.553365	-0.911222	0.088664	8.92E-25	0.0116728	0.0197262	0.5540239	0.0710445	17	0.88769249
ENSG00000175567	11	UCP2	73685712	rs659366	11	73694754	T	C	0.364811	0.0032556	0.00821191	0.691774	0.278513	0.048881	1.21E-08	0.0116892	0.0295561	0.6924795	0.8559183	7	0.92426246
ENSG00000254974	11	RP11-702H23.2	74196625	rs601904	11	74200739	A	G	0.604374	-0.0047014	0.00820531	0.566667	0.569013	0.102787	3.10E-08	-0.0082623	0.0144973	0.5687304	0.5347086	4	0.89127357
ENSG00000166435	11	XRRA1	74518784	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	1.28568	0.0761684	6.37E-64	0.00073461	0.00666011	0.9121714	0.4596716	20	0.98076095
ENSG00000241170	11	RP11-147I3.1	74587331	rs10793108	11	74695212	G	A	0.286282	0.00094447	0.00856259	0.91217	-0.76903	0.0782219	8.25E-23	-0.0012281	0.011135	0.9121751	0.5532156	20	0.98076095
ENSG00000149273	11	RPS3	75110530	rs373711199	11	75121187	T	G	0.0536779	0.00788547	0.0142476	0.579949	-0.515697	0.0807033	1.66E-10	-0.0152909	0.0277313	0.5813628	0.1241305	3	0.89127357
ENSG00000255135	11	RP11-111M22.3	76152382	rs113130900	11	76152515	T	C	0.0457256	0.0113897	0.0176949	0.519788	-0.934484	0.137583	1.10E-11	-0.0121882	0.0190203	0.5216524	0.8140085	4	0.87741473
ENSG00000159063	11	ALG8	77811982	rs1075202	11	77813207	T	C	0.455268	0.0143265	0.00807036	0.0758665	0.512448	0.0691852	1.29E-13	0.027957	0.0161946	0.08429141	0.2381776	15	0.60963459
ENSG00000246174	11	KCTD21-AS1	77850817	rs7101694	11	77853896	T	C	0.464215	0.0142124	0.00807694	0.0784711	-1.01651	0.0885099	1.57E-30	-0.0139816	0.00803848	0.08197673	0.07362442	20	0.60808371
ENSG00000188997	11	KCTD21	77882295	rs10899439	11	77819618	G	A	0.460239	0.014286	0.00806929	0.0766584	0.48092	0.0736155	6.45E-11	0.0297056	0.0173841	0.08749176	0.08851945	15	0.61929877
ENSG00000137513	11	NARS2	78147007	rs7124803	11	78280822	G	T	0.765408	-0.0036439	0.00888748	0.681805	0.804212	0.0768371	1.23E-25	-0.004531	0.0110596	0.6820354	0.0265024	20	0.92288062
ENSG00000245832	11	RP11-179A16.1	81590893	rs72942468	11	82426736	A	G	0.121272	-0.0014647	0.0125396	0.907013	0.793661	0.135185	4.33E-09	-0.0018455	0.0158028	0.9070309	0.5203351	3	0.98043565
ENSG00000109861	11	CTSC	88026760	rs55897509	11	88066714	C	A	0.082505	-0.0057698	0.0155959	0.711415	0.431278	0.0696378	5.90E-10	-0.0133784	0.0362265	0.7119052	0.9001704	3	0.93305022
ENSG00000182919	11	C11orf54	93474757	rs628661	11	93498126	G	C	0.634195	0.00404591	0.0084527	0.632186	-0.44924	0.0530234	2.40E-17	-0.0090061	0.0188456	0.6327278	0.1273592	6	0.90754256
ENSG00000042429	11	MED17	93517393	rs613610	11	93520726	C	T	0.254473	-0.0068558	0.00988839	0.488111	0.603221	0.0754641	1.31E-15	-0.0113653	0.0164542	0.4897397	0.8960364	10	0.86791667
ENSG00000123901	11	GPR83	94110477	rs11020717	11	93992926	G	A	0.423459	0.001112	0.0081457	0.891416	0.268121	0.0476256	1.80E-08	0.00414738	0.0303896	0.8914469	0.7041402	7	0.97809693

ENSG00000020922	11	MRE11A	94152895	rs680695	11	94212154	G	A	0.33499	-0.009451	0.00848404	0.265291	0.565293	0.0637728	7.71E-19	-0.0167187	0.0151263	0.2690392	0.6517729	20	0.75133905
ENSG00000149231	11	CCDC82	96085933	rs11021562	11	96108105	G	A	0.164016	0.010821	0.0121443	0.372911	0.844892	0.0791133	1.27E-26	0.0128076	0.0144237	0.3745676	0.9818089	12	0.81805152
ENSG00000248027	11	CTD-2383M3.1	100554893	rs79469841	11	100539217	A	T	0.105368	-0.0188185	0.0158335	0.234628	-0.665558	0.121085	3.87E-08	0.0282748	0.0243396	0.2453665	0.08545164	6	0.73450129
ENSG00000170290	11	SLN	107578104	rs693609	11	107575275	G	A	0.577535	-0.002322	0.00816093	0.776011	-0.384413	0.0613114	3.61E-10	0.00604025	0.0212514	0.7762358	0.7973542	9	0.95070029
ENSG00000254890	11	RP11-10A7.1	109357694	rs11600810	11	109356443	A	G	0.318091	-0.0113389	0.00817663	0.165519	0.70954	0.0884602	1.05E-15	-0.0159806	0.0116948	0.1717906	0.4942169	20	0.68081994
ENSG00000204381	11	LAYN	111411005	rs4938792	11	111420936	C	T	0.409543	-0.0091572	0.00868439	0.291681	-0.283541	0.0429727	4.16E-11	0.0322958	0.031017	0.2977686	0.8130709	8	0.7734327
ENSG00000137713	11	PPP2R1B	111597632	rs3829258	11	111642119	A	G	0.338966	0.0105116	0.00820773	0.200303	-0.313447	0.0540268	6.56E-09	-0.0335355	0.0268158	0.2110848	0.6494235	7	0.70733357
ENSG00000197580	11	BCO2	112046190	rs11214138	11	112084061	C	T	0.262425	-0.0020484	0.00914525	0.822767	-0.740577	0.0891814	1.01E-16	0.00276598	0.0123533	0.8228305	0.7866157	13	0.96379398
ENSG00000149292	11	TTC12	113185251	rs11214587	11	113232422	G	T	0.465209	-0.0173888	0.00811857	0.0322055	-0.717236	0.0668219	7.08E-27	0.0242442	0.0115424	0.0356898	0.4276181	20	0.47900338
ENSG00000170209	11	ANKK1	113258513	rs6589371	11	113192797	T	C	0.134195	-0.018913	0.0137542	0.169112	1.02882	0.126108	3.40E-16	-0.0183832	0.0135575	0.1751166	0.5736671	4	0.68257826
ENSG00000166682	11	TMPRSS5	113558272	rs7114297	11	113591402	A	G	0.302187	0.00285356	0.00860488	0.740176	0.516964	0.0665158	7.72E-15	0.00551984	0.0166602	0.740403	0.1546333	18	0.93606022
ENSG00000246100	11	LINC00900	115624966	rs117921077	11	115630835	T	C	0.0487078	-0.0001553	0.0182833	0.993224	0.892404	0.139753	1.71E-10	-0.000174	0.0204877	0.993224	0.7573935	9	0.99666195
ENSG00000254851	11	RP11-109L13.1	117006244	rs634960	11	117072963	C	T	0.260437	-0.006058	0.00884218	0.493269	1.04415	0.0947219	2.95E-28	-0.0058018	0.00848464	0.4941014	0.726848	20	0.86791667
ENSG00000137731	11	FXYD2	117671559	rs516655	11	117709028	A	G	0.790258	-0.0032141	0.0127495	0.800967	-0.529569	0.0926407	1.09E-08	0.00606926	0.0240986	0.8011566	0.9114328	6	0.95663979
ENSG00000255274	11	TMPRSS4-AS1	117886487	rs7924498	11	117960661	A	G	0.298211	0.00287626	0.00860227	0.738106	0.635533	0.102063	4.76E-10	0.00452574	0.013555	0.7384704	0.547796	19	0.93606022
ENSG00000177098	11	SCN4B	118004092	rs3741315	11	118004688	G	A	0.595427	0.00075177	0.00816478	0.926639	-0.25133	0.0455245	3.38E-08	-0.0029912	0.0324908	0.9266492	0.06278594	4	0.98372284
ENSG00000118181	11	RPS25	118886422	rs3802881	11	118890022	T	C	0.0944334	0.00701796	0.0120211	0.559353	-0.331889	0.0557783	2.68E-09	-0.0211455	0.0363942	0.5612313	0.09391032	5	0.89016751
ENSG00000196655	11	TRAPPC4	118889142	rs143660533	11	118892759	C	A	0.227634	-0.004683	0.00953528	0.623339	0.920667	0.0814141	1.19E-29	-0.0050865	0.0103667	0.6236655	0.1221735	20	0.90296505
ENSG00000271751	11	RP11-110I1.14	118935974	rs1307145	11	118950217	G	C	0.358847	-0.0075214	0.00884488	0.395124	-0.559203	0.101187	3.27E-08	0.0134501	0.0160031	0.4006446	0.5605497	3	0.82315287
ENSG00000160695	11	VPS11	118938403	rs4614	11	118952371	G	A	0.360835	-0.0063613	0.00879176	0.469338	-0.368514	0.0448273	2.02E-16	0.0172621	0.0239496	0.4710514	0.1467073	9	0.85733378
ENSG00000137699	11	TRIM29	119981983	rs4938791	11	120055170	A	G	0.117296	0.0280191	0.011736	0.0169652	1.10979	0.168273	4.25E-11	0.0252472	0.0112465	0.02477537	0.7280294	7	0.42271621
ENSG00000184232	11	OAF	120081475	rs1075790	11	119983919	A	C	0.279324	-0.0118334	0.00919756	0.19824	-0.233073	0.0386165	1.58E-09	0.0507712	0.0403488	0.2082799	0.2528189	12	0.70391756
ENSG00000255248	11	RP11-166D19.1	121899063	rs644271	11	121959394	T	C	0.753479	-0.0048473	0.00934259	0.603875	-0.460903	0.0819043	1.83E-08	0.0105169	0.0203562	0.6054043	0.4750452	7	0.89773251
ENSG00000019102	11	VSIG2	124617368	rs2075713	11	124617939	C	A	0.198807	0.00203256	0.0103957	0.844986	0.64694	0.106666	1.32E-09	0.00314181	0.0160774	0.8450659	0.2307412	4	0.9729333
ENSG00000245498	11	RP11-677M14.7	124670346	rs490461	11	124680922	A	G	0.366799	-0.0048443	0.00879282	0.581678	0.606013	0.0622979	2.30E-22	-0.0079937	0.0145325	0.5822828	0.2775902	9	0.89127357
ENSG00000254941	11	RP11-677M14.5	124677718	rs7129296	11	124679630	G	A	0.367793	-0.0046959	0.00876929	0.59231	0.858904	0.069506	4.45E-35	-0.0054673	0.0102194	0.5926564	0.3039352	13	0.89572075
ENSG00000064309	11	CDON	125825691	rs7124748	11	125846293	C	T	0.380716	0.0103081	0.0082365	0.210747	0.754402	0.0717685	7.64E-26	0.0136639	0.010995	0.2139646	0.6169032	20	0.71009944
ENSG00000110074	11	FOXRED1	126138950	rs685409	11	126130232	T	C	0.776342	0.0191431	0.00973529	0.0492572	0.506766	0.0523316	3.54E-22	0.037775	0.0196027	0.05397532	0.8276506	20	0.54611765
ENSG00000150455	11	TIRAP	126152960	rs2962117	11	126168362	C	T	0.764414	0.0191873	0.00973386	0.0487024	-0.475299	0.0774504	8.42E-10	-0.0403689	0.02151	0.06055218	0.8877341	4	0.56204041
ENSG00000175773	11	RP11-121M22.1	130184888	rs747250	11	130271678	G	T	0.494036	-0.0003448	0.00805269	0.965844	0.492259	0.089309	3.55E-08	-0.0007005	0.0163591	0.9658453	0.3192753	5	0.98902087
ENSG00000255455	11	RP11-890B15.3	130736149	rs7110591	11	130771662	T	G	0.643141	0.00151119	0.00872482	0.86249	-0.46668	0.0629051	1.18E-13	-0.0032382	0.0187006	0.8625267	0.1066047	9	0.97475956
ENSG00000120451	11	SNX19	130745331	rs3751033	11	130786345	A	C	0.446322	-0.0023752	0.00808981	0.76906	-0.575089	0.0531541	2.79E-27	0.00413016	0.0140722	0.7691422	0.2803956	20	0.94420356
ENSG00000204241	11	RP11-713P17.3	133902167	rs1144231	11	133909341	C	T	0.164016	-0.0096645	0.0104818	0.356517	0.758561	0.0972708	6.27E-15	-0.0127405	0.0139142	0.3598519	0.8677536	8	0.81588218
ENSG00000255545	11	RP11-627G23.1	134306367	rs4937894	11	134333360	G	A	0.715706	-0.0109829	0.00998614	0.271414	-1.0054	0.0790278	4.46E-37	0.0109239	0.00996955	0.273198	0.5743213	10	0.75500572
ENSG00000251226	11	RP11-469N6.1	134605490	rs12360957	11	134611417	A	T	0.383698	-0.0052189	0.00838416	0.533631	-0.584049	0.0802081	3.30E-13	0.00893574	0.0144076	0.5351191	0.9388352	9	0.8813815
ENSG00000120647	12	CCDC77	498439	rs10774154	12	496695	A	G	0.813121	0.0127127	0.00904095	0.159686	0.646545	0.0863698	7.11E-14	0.0196625	0.014228	0.1669854	0.1399999	20	0.67999547
ENSG00000177406	12	RP11-218M22.1	740057	rs55800929	12	752360	A	G	0.130219	-0.0158232	0.0105756	0.134602	0.836414	0.0961881	3.45E-18	-0.0189179	0.0128298	0.1403388	0.9884254	20	0.66222016
ENSG00000002016	12	RAD52	1021243	rs12812346	12	1068184	C	T	0.176938	-0.0080192	0.00961189	0.404115	-0.584745	0.0786594	1.05E-13	0.0137139	0.0165409	0.4070536	0.2136336	14	0.82985119
ENSG00000078246	12	TULP3	2986389	rs11062404	12	3005685	C	T	0.417495	0.00061189	0.00825813	0.940934	-0.273489	0.033495	3.21E-16	-0.0022374	0.0301967	0.9409366	0.7724038	10	0.98751784
ENSG00000111254	12	AKAP3	4724674	rs113943622	12	4756017	T	C	0.521869	-0.0025574	0.00829097	0.757734	0.613101	0.0707808	4.64E-18	-0.0041713	0.0135316	0.7578822	0.8265538	13	0.94013714
ENSG00000111321	12	LTBR	6484211	rs2364481	12	6497260	G	A	0.734592	-0.0139047	0.00940842	0.139434	-0.351135	0.041798	4.44E-17	0.0395993	0.0272058	0.1455179	0.8198774	11	0.66222016
ENSG00000215039	12	CD27-AS1	6548167	rs111922468	12	6556078	T	C	0.17495	-0.0010177	0.0108375	0.925186	0.491266	0.0761636	1.12E-10	-0.0020716	0.0220627	0.9251937	0.5745721	3	0.98372284
ENSG00000139192	12	TAPBPL	6560856	rs2534709	12	6568572	C	T	0.305169	0.00140302	0.00889568	0.874678	0.430986	0.0477735	1.86E-19	0.00325537	0.0206435	0.874697	0.6228844	16	0.97609174
ENSG00000010610	12	CD4	6896024	rs2707210	12	6902002	T	G	0.465209	0.0148048	0.00809861	0.0675398	0.331244	0.0599798	3.34E-08	0.0446945	0.0257537	0.08265949	0.5822853	3	0.60944745
ENSG00000111664	12	GNB3	6949118	rs1129649	12	6948468	C	T	0.358847	0.0004452	0.00858574	0.958645	-0.544153	0.061224	6.23E-19	-0.0008182	0.0157784	0.9586461	0.1007023	12	0.98751784
ENSG00000111665	12	CDCA3	6953957	rs1047776	12	6948692	G	A	0.645129	-0.0026755	0.00817768	0.743536	-0.413353	0.0583453	1.39E-12	0.00647275	0.0198049	0.7437992	0.2090505	19	0.93648451
ENSG00000111671	12	SPSB2	6980099	rs7294770	12	6987096	A	G	0.301193	-0.0039751	0.00934392	0.670527	0.731361	0.0738649	4.11E-23	-0.0054353	0.0127879	0.6708133	0.599709	13	0.91884947
ENSG00000010626	12	LRRC23	6982733	rs1007923	12	7014107	A	T	0.296223	-0.0047089	0.00939856	0.616355	0.424491	0.0620404	7.80E-12	-0.0110931	0.0222001	0.6172964	0.5454494	12	0.90088656
ENSG00000139197	12	PEX5	7341281	rs11044901	12	7368691	C	G	0.271372	-0.0065046	0.00854597	0.446579	-0.606898	0.0718331	2.95E-17	0.0107178	0.0141384	0.4484146	0.1125198	14	0.85269709
ENSG00000173262	12	SLC2A14	7965108	rs67062785	12	8045077	C	T	0.112326	0.014476	0.0116356	0.213458	1.04006	0.159808	7.61E-11	0.0139184	0.01139	0.221713	0.1801417	3	0.72299886
ENSG00000164845	12	FAM86FP	8385108	rs7136053	12	8384186	G	A	0.833996	0.0219558	0.0107537	0.0411822	-0.745526	0.122263	1.08E-09	-0.0294501	0.0152114	0.05286124	0.1553791	10	0.54356555
ENSG00000139187	12	KLRG1	9102640	rs12826978	12	9158495	T	G	0.263419	-0.000395	0.00906939	0.965264	0.550555	0.0696419	2.67E-15	-0.0007174	0.0164734	0.9652649	0.5242105	12	0.98902087
ENSG00000256069	12	A2MP1	9381129	rs6487748	12	9435768	G	A	0.462227	-0.0034496	0.00809668	0.670071	-0.440774	0.0772191	1.14E-08	0.00782621	0.0184203	0.6709328	0.7982115	5	0.91884947
ENSG00000256427	12	RP11-118B22.4	9399093	rs717179	12	9395908	G	A	0.629225	-0.015046	0.00868071	0.0830482	-0.686849	0.0954643	6.25E-13	0.0219058	0.013	0.0919767	0.5918993	20	0.62509594
ENSG00000111788	12	RP11-22B23.1	9429831	rs7300369	12	9434538	A	G	0.461233	-0.0033164	0.00809349	0.681982	-0.99445	0.0748795	3.00E-40	0.00333489	0.00814253	0.6821258	0.1689521	20	0.92288062
ENSG00000260423	12	RP13-735L24.1	9520060	rs10843459	12	9496402	G	C	0.114314	-0.0109421	0.0128345	0.39391	0.801361	0.146691	4.68E-08	-0.0136544	0.0162097	0.3995879	0.5285015	5	0.82273105
ENSG00000214776	12	RP11-726G1.1	9620148	rs4402390	12	9570798	G	A	0.588469	0.00070122	0.00839422	0.933426	0.683777	0.0976862	2.56E-12	0.00102551	0.0122771	0.9334303	0.1501107	20	0.98651638
ENSG00000225231	12	AC091814.2	10089178	rs74065411	12	10096086	C	G	0.0308151	-0.0138652	0.0190055	0.465675	1.73107	0.201233	7.81E-18	-0.0080096	0.0110185	0.4672708	0.7715636	20	0.85681817
ENSG00000150048	12	CLEC1A	10222153	rs3901532	12	10277171	T	C	0.757455	-0.0163485	0.0094508	0.0836566	0.367375	0.0663669	3.10E-08	-0.0445009	0.0269521	0.09871609	0.8760855	4	0.63021019
ENSG00000183542	12	KLRC4	10559983	rs35522829	12	10642293	T	G	0.153082	-0.0068422	0.0121798	0.574274	0.786123	0.122552	1.41E-10	-0.0087037	0.0155528	0.5757357	0.00203072	7	0.89127357
ENSG00000205810	12	KLRC3	10564911	rs71450045	12	10557389	G	A	0.156064	0.0107883	0.0111209	0.332	0.597508	0.0964525	5.83E-10	0.0180555	0.018839	0.337855	0.04751778	12	0.80216351
ENSG00000205809	12	KLRC2	10579453	rs34992608	12	10634136	A	G	0.152087	-0.0063708	0.0121723	0.600705	1.09339	0.11977	6.91E-20	-0.0058267	0.0111509	0.6013034	0.00533674	18	0.89572075
ENSG00000134545	12	KLRC1	10594863	rs10845150	12	10653211	C	G	0.823062	0.0205384	0.0122025	0.0923507	-1.36046	0.141338	6.24E-22	-0.0150967	0.00910548	0.09732269	0.7621262	8	0.62977339
ENSG00000256667	12	KLRAP1	10741077	rs11053871	12	10735926	C	T	0.230616	-0.0042064	0.00961515	0.66177	0.533848	0.0865435	6.89E-10	-0.0078793	0.0180563	0.6625646	0.1072755	4	0.91859148
ENSG00000111215	12	PRR4	10977559	rs2708335	12	11270704	T	G	0.489066	0.00189935	0.00819914	0.816808	0.51238	0.0822798	4.75E-10	0.00370692	0.0160131	0.8169324	0.829576	10	0.9628767
ENSG00000231887	12	PRH1	11033610	rs10743931	12	11023567	G	A	0.848907	0.00671572	0.0142251	0.636854	-1.00387	0.1228	2.96E-16	-0.0066898	0.0141939	0.6374135	0.2382645	20	0.91019594
ENSG00000212127	12	TAS2R14	11090005	rs10772380	12	11045512	G	T	0.7833	-0.0102113	0.0089931	0.256181	-0.502517	0.0812334	6.17E-10	0.0203203	0.0181951	0.2640789	0.9907444	15	0.74908486
ENSG00000121335	12	PRB2	11544476	rs2416676	12	11559241	C	A	0.649105	0.0214349	0.00855922	0.012269	-0.444868	0.0692298	1.31E-10	-0.0481826	0.0206494	0.01962867	0.8112603	15	0.38709874
ENSG00000255621	12	RP11-377D9.3	13153385	rs3782568	12	13145457	A	C	0.76839	0.015471	0.0100723	0.12454	0.84033	0.121782	5.19E-12	0.0184106	0.0122795	0.1337961	0.7060184	10	0.66222016
ENSG00000182993	12	C12orf60	14956506	rs1012683	12	14951050	G	A	0.586481	0.00564788	0.00809985	0.485626	-0.646206	0.0743514	3.58E-18	-0.0087401	0.0125747	0.4870247	0.5637987	19	0.86791667
ENSG00000121350	12	PYROXD1	21590549	rs9669356	12	21619408	A	G	0.44831	0.00821798	0.00810412	0.310559	-0.403775	0.0604617	2.42E-11	-0.0203529	0.0203009	0.3160744	0.315222	15	0.78450316
ENSG00000247903	12	RP11-421F16.3	27124519	rs147609881	12	27153533	T	C	0.0934394	0.0135619	0.0135482	0.316822	-1.56932	0.131422	7.23E-33	-0.0086419	0.00866345	0.3185158	0.7094618	18	0.78475979
ENSG00000064115	12	TM7SF3	27126128	rs1098528	12	27098202	C	T	0.392644	-0.0003858	0.00817566	0.962361	0.284405	0.0491281	7.08E-09	-0.0013566	0.0287475	0.9623624	0.8740126	6	0.98751784
ENSG00000256377	12	RP11-1060J15.4	27849321	rs17552066	12	27863531	C	T	0.0467197	0.00972878	0.0207537	0.639231	1.61334	0.204863	3.40E-15	0.00603021	0.0128866	0.6398239	0.9769508	3	0.91019594
ENSG00000247934	12	RP11-967K21.1	28316231	rs10843131	12	28358192	T	G	0.305169	0.00782464	0.00871866	0.369474	-0.534784	0.0808695	3.77E-11	-0.0146314	0.0164526	0.3738382	0.8738814	15	0.81792977
ENSG00000257176	12	RP11-996F15.2	29433351	rs966541	12	29491528	G	A	0.284294	0.00613617	0.00887294	0.489213	0.694644	0.0887667	5.06E-15	0.00883355	0.0128231	0.4909018	0.6342534	7	0.86791667
ENSG00000133704	12	IPO8	30781922	rs12830910	12	30890234	C	T	0.243539	0.00786155	0.00881358	0.372403	-0.561788	0.0668227	4.20E-17	-0.0139938	0.0157765	0.3750773	0.9039414	20	0.81817087
ENSG00000110888	12	CAPRIN2	30862486	rs1485345	12	30907740	G	T	0.0964215	-0.0200901	0.016767	0.230844	-0.323291	0.0537032	1.74E-09	0.0621425	0.0528808	0.2399379	0.6534728	7	0.73450129
ENSG00000110900	12	TSPAN11	31079362	rs61916713	12	31056098	C	T	0.140159	0.00761741	0.0128851	0.5544	0.772887	0.0943693	2.61E-16	0.00985579	0.0167148	0.5554283	0.08879997	9	0.88769249
ENSG00000013573	12	DDX11	31226779	rs7953706	12	31226835	A	T	0.431412	-0.0110887	0.00815072	0.173685	-1.17209	0.0664208	1.08E-69	0.00946062	0.00697464	0.174962	0.973483	20	0.68257826
ENSG00000177359	12	RP11-551L14.1	31264586	rs11545332	12	31256995	A	G	0.290258	0.00683022	0.00885741	0.440629	0.601234	0.102861	5.06E-09	0.0113603	0.0148597	0.4445656	0.7953598	7	0.85237809
ENSG00000165966	12	PDZRN4	41582250	rs3110389	12	41826563	A	G	0.228628	0.00565837	0.00899468	0.529298	0.42775	0.0634014	1.51E-11	0.0132282	0.0211191	0.5310771	0.1584668	10	0.8813815
ENSG00000257261	12	RP11-96H19.1	46777462	rs4768697	12	46748965	G	C	0.293241	-0.0104216	0.00908293	0.251224	0.569674	0.0834315	8.61E-12	-0.018294	0.0161676	0.2578368	0.9146403	10	0.74227297
ENSG00000240399	12	RP1-228P16.1	48448596	rs12306451	12	48483241	C	T	0.218688	0.0420794	0.0116091	0.00028932	-0.62638	0.109491	1.06E-08	-0.0671787	0.0219406	0.00219976	0.7238851	13	0.24408023
ENSG00000177981	12	ASB8	48541571	rs61918810	12	48494334	T	C	0.217694	0.0420792	0.0116091	0.00028933	0.584386	0.0706354	1.30E-16	0.0720058	0.0216884	0.00090012	0.3337608	18	0.23528574
ENSG00000239617	12	RP11-302B13.1	49297201	rs4760647	12	49278643	A	G	0.416501	0.00164023	0.00821404	0.841726	0.458631	0.0738194	5.20E-10	0.00357636	0.0179192	0.8418067	0.6120315	10	0.9729333
ENSG00000139537	12	CCDC65	49297893	rs10875893	12	49312593	G	A	0.409543	0.00157121	0.00825412	0.849032	-0.530944	0.0633122	5.02E-17	-0.0029593	0.0155501	0.8490697	0.5946888	16	0.97367605
ENSG00000134285	12	FKBP11	49315301	rs4760662	12	49370857	A	G	0.419483	0.00185526	0.00838615	0.824914	-0.432056	0.0570595	3.67E-14	-0.004294	0.0194182	0.8249876	0.5659451	16	0.96394856
ENSG00000169884	12	WNT10B	49359123	rs2070940	12	49351493	G	C	0.470179	0.00545153	0.00802734	0.497061	-0.3052	0.0414623	1.83E-13	-0.0178622	0.0264136	0.498883	0.3255357	14	0.8682043
ENSG00000167550	12	RHEBL1	49458468	rs10875917	12	49467330	T	G	0.417495	-0.0084925	0.00804604	0.291202	0.297094	0.0454851	6.50E-11	-0.0285852	0.0274338	0.297425	0.9513567	8	0.7734327
ENSG00000167553	12	TUBA1C	49582519	rs7957983	12	49508987	T	C	0.337972	-0.0039725	0.00836552	0.634885	0.420339	0.0741306	1.43E-08	-0.0094506	0.0199715	0.6360664	0.9287328	8	0.90969733
ENSG00000257464	12	RP11-161H23.8	49836207	rs10875958	12	49846208	G	A	0.801193	-0.0244318	0.00906528	0.00703672	0.795444	0.105111	3.80E-14	-0.0307147	0.0120977	0.0111203	0.5702375	14	0.34295478
ENSG00000161798	12	AQP5	50355653	rs3759129	12	50354437	C	A	0.177932	0.0161868	0.0113103	0.152385	-0.547259	0.0880155	5.04E-10	-0.029578	0.0212076	0.16311	0.8421429	4	0.67999547
ENSG00000272368	12	RP4-605O3.4	50505980	rs706791	12	50465355	G	A	0.4334	0.0035239	0.00815625	0.665705	0.463422	0.0685309	1.36E-11	0.00760408	0.0176359	0.6663448	0.909877	12	0.91884947
ENSG00000139624	12	CERS5	50523575	rs34309034	12	50573500	G	A	0.360835	-0.0027297	0.00881478	0.756807	-0.44731	0.0615037	3.52E-13	0.00610257	0.0197241	0.7570194	0.9352027	20	0.93994618
ENSG00000050426	12	LETMD1	51441745	rs55897461	12	51459319	C	T	0.140159	0.0138971	0.0109393	0.203946	0.426367	0.0699451	1.09E-09	0.0325942	0.0262083	0.2136239	0.04019236	8	0.71009944
ENSG00000139629	12	GALNT6	51745031	rs2241545	12	51754629	G	A	0.2833	-0.0028563	0.00857962	0.739197	-0.379795	0.0560131	1.20E-11	0.00752066	0.0226173	0.7394986	0.1587796	5	0.93606022
ENSG00000257542	12	OR7E47P	52473480	rs61915175	12	52461649	A	G	0.0705765	0.00476299	0.0150801	0.75212	1.18204	0.191607	6.87E-10	0.00402947	0.0127744	0.752433	0.220657	6	0.93994618
ENSG00000205426	12	KRT81	52679697	rs2857673	12	52707973	G	C	0.406561	0.0100339	0.00849766	0.237691	0.698222	0.0863191	6.02E-16	0.0143706	0.0122994	0.2426452	0.2080763	12	0.73450129
ENSG00000170523	12	KRT83	52708085	rs2857673	12	52707973	G	C	0.406561	0.0100339	0.00849766	0.237691	-0.718611	0.0823768	2.70E-18	-0.0139629	0.011933	0.2419553	0.1210816	20	0.73450129
ENSG00000111077	12	TENC1	53440753	rs6580927	12	53450000	T	C	0.349901	0.0152538	0.00840257	0.0694672	-0.280922	0.0424795	3.76E-11	-0.0542991	0.0310172	0.0800129	0.4103238	9	0.60486272
ENSG00000135390	12	ATP5G2	54026510	rs916134	12	54069803	G	A	0.299205	0.013923	0.0094409	0.140279	0.374387	0.0494807	3.84E-14	0.0371888	0.0256915	0.147753	0.01423	9	0.66222016
ENSG00000248265	12	RP11-834C11.3	54452038	rs2233921	12	54575800	A	C	0.477137	0.00299254	0.00811907	0.71244	0.73113	0.100589	3.64E-13	0.00409303	0.0111191	0.7127922	0.2393782	12	0.93305022
ENSG00000197728	12	RPS26	56435637	rs1131017	12	56435929	G	C	0.591451	-0.0199899	0.00816424	0.0143466	-1.05595	0.0623306	2.24E-64	0.0189307	0.00781199	0.01538056	0.5697043	20	0.36210503
ENSG00000257303	12	RP11-977G19.11	56693926	rs2066818	12	56753822	A	C	0.0636183	-0.0053403	0.0177429	0.763428	-1.25394	0.121586	6.14E-25	0.00425882	0.0141557	0.7635252	0.7791899	16	0.94111413
ENSG00000025423	12	HSD17B6	57145945	rs747906	12	57233350	G	C	0.0735586	-0.0174617	0.0153258	0.254549	0.481855	0.0710183	1.16E-11	-0.0362385	0.0322512	0.2611684	0.01576705	6	0.74447118
ENSG00000166881	12	TMEM194A	57449426	rs62621200	12	57472544	T	C	0.0159046	0.0546971	0.0285217	0.0551442	1.16956	0.185231	2.72E-10	0.0467672	0.0254867	0.06651072	0.8216834	3	0.57158494
ENSG00000123427	12	METTL21B	58165275	rs10431552	12	58178148	A	G	0.319085	-0.0215716	0.008472	0.0108896	0.680477	0.0661558	8.15E-25	-0.0317007	0.0128259	0.0134502	0.1825794	20	0.35447391
ENSG00000123297	12	TSFM	58176372	rs3782130	12	58161898	C	G	0.318091	-0.021779	0.00847513	0.0101772	-0.535853	0.0666781	9.25E-16	0.0406436	0.0166051	0.01437858	0.2587743	20	0.36098048
ENSG00000166896	12	XRCC6BP1	58335324	rs3751325	12	58335626	T	A	0.313121	-0.0296233	0.00857862	0.00055408	-0.845282	0.08173	4.53E-25	0.0350455	0.0106996	0.00105509	0.6916482	20	0.23528574
ENSG00000177990	12	DPY19L2	63952693	rs61934992	12	63929150	C	T	0.293241	0.0102625	0.00899082	0.253686	0.356118	0.0639705	2.59E-08	0.0288177	0.025772	0.2634905	0.5286161	14	0.74814785
ENSG00000255693	12	RP11-766N7.3	65277174	rs1147083	12	65277530	T	A	0.383698	-0.0049242	0.00807617	0.542045	-0.34754	0.0540668	1.29E-10	0.0141688	0.0233424	0.5438517	0.5297999	5	0.8813815
ENSG00000155957	12	TMBIM4	66517709	rs4328252	12	66503562	C	T	0.4334	0.0142186	0.00805741	0.0776211	-0.254143	0.043951	7.36E-09	-0.0559472	0.0331477	0.09144674	0.01983139	5	0.62509594
ENSG00000239335	12	RP11-745O10.2	66524531	rs1370126	12	66546892	G	A	0.435388	0.0130862	0.00806503	0.104679	-1.15203	0.0836693	3.92E-43	-0.0113593	0.00704915	0.107085	0.09564814	14	0.63551762
ENSG00000127311	12	HELB	66696325	rs7308068	12	66696706	T	C	0.532803	-0.0040243	0.00821583	0.624264	0.5761	0.0676684	1.69E-17	-0.0069853	0.0142847	0.6248361	0.3474541	18	0.90299095
ENSG00000111581	12	NUP107	69080514	rs191151603	12	69080771	T	C	0.0328032	0.0290945	0.0255291	0.254429	-1.37154	0.189235	4.24E-13	-0.021213	0.0188422	0.2602387	0.7121481	3	0.74447118
ENSG00000127337	12	YEATS4	69753483	rs76304565	12	69784251	G	T	0.0457256	-0.0439027	0.0306926	0.152602	1.28752	0.149751	8.13E-18	-0.0340987	0.0241662	0.1582428	0.5470554	9	0.67619452
ENSG00000166268	12	MYRFL	70219084	rs55967505	12	70145471	A	G	0.0606362	0.00794011	0.0148628	0.593183	1.53633	0.180263	1.56E-17	0.00516823	0.00969321	0.5939086	0.304316	14	0.89572075
ENSG00000180481	12	GLIPR1L2	75784850	rs11180484	12	75790817	C	T	0.37674	0.0037979	0.00839701	0.651058	-0.874717	0.0618673	2.20E-45	-0.0043419	0.0096046	0.6512253	0.4818448	20	0.91384759
ENSG00000111615	12	KRR1	75890684	rs1501634	12	75890333	G	A	0.234592	0.00907255	0.00985204	0.357113	0.58793	0.0641647	5.06E-20	0.0154313	0.0168416	0.3595282	0.3892804	20	0.81588218
ENSG00000179941	12	BBS10	76738254	rs17259712	12	77049242	C	A	0.229622	-0.0015251	0.0101628	0.880716	-0.351477	0.0491452	8.56E-13	0.004339	0.0289209	0.880741	0.07993765	13	0.97615419
ENSG00000257431	12	RP11-263K4.3	82906456	rs4561274	12	82779837	T	G	0.754473	0.00487732	0.0101555	0.631042	-0.554055	0.0939076	3.63E-09	-0.008803	0.01839	0.6321658	0.2054339	9	0.90754256
ENSG00000246363	12	RP11-13A1.1	89404458	rs7294645	12	89413399	A	G	0.0298211	0.015211	0.0282361	0.590088	-0.652129	0.0938279	3.65E-12	-0.0233251	0.0434282	0.5912009	0.5126682	7	0.89572075
ENSG00000166130	12	IKBIP	99007183	rs11109545	12	99001794	T	C	0.175944	-0.002697	0.00958046	0.77832	0.602605	0.0848095	1.20E-12	-0.0044756	0.0159109	0.7784889	0.09548791	15	0.95093618
ENSG00000111666	12	CHPT1	102090725	rs2695296	12	102085487	C	T	0.60835	0.0176523	0.00811961	0.0297023	0.276403	0.041674	3.30E-11	0.0638644	0.0309138	0.03883964	0.07765162	12	0.48722943
ENSG00000171759	12	PAH	103230663	rs9782	12	103351826	C	T	0.324056	0.00992789	0.00891863	0.265638	0.6146	0.0669573	4.35E-20	0.0161534	0.0146176	0.2691307	0.3157611	6	0.75133905
ENSG00000257681	12	RP11-341G23.4	104140093	rs11111765	12	104172519	C	G	0.247515	-0.0100726	0.00986399	0.307185	0.83765	0.0996523	4.25E-17	-0.0120248	0.0118624	0.3107278	0.3630709	20	0.78156035
ENSG00000204954	12	C12orf73	104343980	rs2700508	12	104346464	A	C	0.335984	-0.0032438	0.00897644	0.717822	-0.421204	0.0653315	1.14E-10	0.0077013	0.0213448	0.7182459	0.5682225	8	0.93305022
ENSG00000139433	12	GLTP	110288748	rs2193534	12	110297222	A	G	0.450298	0.00920525	0.00812479	0.257221	-0.192229	0.0343488	2.19E-08	-0.0478869	0.0431237	0.2668029	0.08737661	16	0.75020524
ENSG00000139405	12	C12orf52	113623331	rs2303617	12	113711264	G	A	0.0924453	0.00693782	0.0110691	0.530807	-0.469229	0.0857747	4.49E-08	-0.0147856	0.0237443	0.5334818	0.4453337	3	0.8813815
ENSG00000122965	12	RBM19	114254543	rs7970186	12	114256137	C	T	0.383698	-0.0117403	0.00838039	0.161236	0.515191	0.0691066	8.99E-14	-0.0227882	0.0165513	0.168566	0.1589312	9	0.68081994
ENSG00000196668	12	LINC00173	116971227	rs1394802	12	116975822	C	T	0.0576541	-0.0142006	0.0227147	0.531857	-0.688011	0.115593	2.65E-09	0.0206401	0.0331966	0.534105	0.4417326	3	0.8813815
ENSG00000088992	12	TESC	117476728	rs7978725	12	117477816	A	G	0.139165	-0.0143028	0.0123038	0.245047	-0.456672	0.0714961	1.69E-10	0.0313196	0.0273849	0.2527548	0.7498536	20	0.73719186
ENSG00000089250	12	NOS1	117645947	rs10774924	12	117882100	G	A	0.423459	-0.0041023	0.00806582	0.611035	-0.352393	0.0636532	3.09E-08	0.0116411	0.0229851	0.6125309	0.5364178	4	0.89981582
ENSG00000089220	12	PEBP1	118573663	rs1051175	12	118582967	A	G	0.5	-0.0047132	0.00807791	0.559581	-0.3015	0.0431032	2.66E-12	0.0156324	0.0268855	0.5609407	0.1016922	14	0.89016751
ENSG00000255618	12	RP11-357K6.1	119210837	rs2730429	12	119211113	T	C	0.879722	0.0120576	0.0112452	0.283612	-0.775315	0.111588	3.70E-12	-0.0155519	0.0146757	0.2892813	0.9876988	5	0.7693821
ENSG00000257218	12	GATC	120884241	rs606443	12	120910630	A	C	0.649105	0.00930793	0.008767	0.288371	0.991525	0.0767571	3.58E-38	0.00938749	0.00887175	0.2899949	0.09954925	20	0.77057307
ENSG00000110871	12	COQ5	120941077	rs603574	12	120998443	G	A	0.279324	-0.0012958	0.00863711	0.880741	0.550636	0.0699114	3.37E-15	-0.0023533	0.0156885	0.8807629	0.5152476	6	0.97615419
ENSG00000167272	12	POP5	121016567	rs3742049	12	120954490	T	C	0.10835	0.00321073	0.0117441	0.784552	0.407914	0.0747655	4.87E-08	0.0078711	0.0288267	0.7848161	0.335861	5	0.95332026
ENSG00000122971	12	ACADS	121163538	rs998727	12	121149064	G	T	0.423459	0.0131226	0.00819968	0.109515	0.284172	0.0401113	1.39E-12	0.0461784	0.0295817	0.118513	0.3705946	16	0.64702295
ENSG00000089041	12	P2RX7	121570622	rs71454691	12	121786739	T	C	0.0119284	-0.0484951	0.0928515	0.60147	-1.45953	0.200369	3.24E-13	0.0332265	0.0637807	0.6024021	0.7958728	5	0.89572075
ENSG00000135124	12	P2RX4	121647660	rs28360467	12	121648132	T	G	0.0924453	-0.0077819	0.012544	0.535015	-1.05752	0.166916	2.36E-10	0.00735863	0.0119184	0.5369607	0.4722432	4	0.8813815
ENSG00000212694	12	AC084018.1	122233173	rs1667579	12	122239074	A	C	0.810139	0.00039814	0.00984558	0.967744	0.344624	0.0554009	4.95E-10	0.00115529	0.0285697	0.9677442	0.1128153	3	0.98941756
ENSG00000272849	12	RP11-347I19.8	122235417	rs2707066	12	122231573	T	C	0.812127	0.00035501	0.00984573	0.971237	0.445368	0.0814095	4.48E-08	0.00079711	0.0221074	0.9712377	0.07046283	3	0.98965412
ENSG00000256092	12	hsa-mir-8072	123848415	rs3759113	12	123664438	C	A	0.0506958	-0.0134508	0.0224716	0.54946	-1.06695	0.159241	2.08E-11	0.0126068	0.0211454	0.5510453	0.4665997	9	0.88412409
ENSG00000111364	12	DDX55	124086624	rs7316613	12	124045580	C	T	0.885686	-0.0171903	0.0142602	0.228022	1.02293	0.109442	9.04E-21	-0.016805	0.014056	0.2318638	0.910872	20	0.7327307
ENSG00000168778	12	TCTN2	124155660	rs7303409	12	124143546	G	A	0.0427435	-0.0066619	0.0197294	0.735617	-0.830904	0.13742	1.48E-09	0.00801763	0.0237815	0.7360134	0.4962198	3	0.93606022
ENSG00000250091	12	DNAH10OS	124410971	rs4930724	12	124423817	C	T	0.357853	0.0252048	0.00877444	0.00407202	0.376214	0.0571187	4.50E-11	0.0669959	0.0254445	0.00846303	0.7319718	6	0.29082583
ENSG00000255595	12	RP4-809F18.1	126843848	rs7304231	12	126833888	G	A	0.615308	-0.0054491	0.00821695	0.507234	-0.885863	0.0787818	2.46E-29	0.00615115	0.00929176	0.5079706	0.6433767	12	0.87138801
ENSG00000214043	12	RP5-944M2.3	126927027	rs17577161	12	126842742	A	G	0.616302	-0.0077354	0.00829979	0.351339	0.415545	0.0680041	9.93E-10	-0.018615	0.0202042	0.3568718	0.4771953	5	0.81588218
ENSG00000151948	12	GLT1D1	129337972	rs74693681	12	129338781	G	A	0.144135	-0.0150522	0.0109073	0.167585	0.259247	0.0446801	6.54E-09	-0.0580612	0.0432466	0.1794141	0.4653553	10	0.68323261
ENSG00000249926	12	RP11-495K9.6	132147141	rs7313017	12	132150870	C	T	0.402584	0.00333008	0.00812438	0.681888	-0.788618	0.0893253	1.06E-18	-0.0042227	0.0103131	0.6822122	0.5514998	16	0.92288062

ENSG00000185684	12	EP400NL	132568828	rs61942869	12	132593606	A	G	0.136183	0.0132556	0.00959571	0.167154	-0.668432	0.0962362	3.76E-12	-0.0198309	0.0146367	0.1754582	0.02424603	7	0.68257826
ENSG00000256576	12	RP13-977J11.2	132671287	rs7310028	12	132678582	G	C	0.506958	0.01202	0.00812964	0.139263	0.565451	0.0628475	2.32E-19	0.0212574	0.0145701	0.144573	0.05423434	20	0.66222016
ENSG00000255916	12	RP13-895J2.7	132906436	rs58012118	12	132909888	C	G	0.413519	-0.0081606	0.00847731	0.335727	0.286409	0.0493768	6.61E-09	-0.0284929	0.0300035	0.3422883	0.07313688	8	0.80555318
ENSG00000187848	12	P2RX2	133195366	rs4883541	12	133205655	A	G	0.434394	1.98E-05	0.00811745	0.99805	-0.677242	0.0896965	4.34E-14	-2.93E-05	0.011986	0.9980499	0.01070479	20	0.99887256
ENSG00000177084	12	POLE	133200348	rs7308250	12	133259525	T	C	0.434394	-0.0122698	0.00814612	0.132012	0.823785	0.0667076	4.92E-35	-0.0148944	0.00996193	0.1348795	0.4232662	20	0.66222016
ENSG00000176894	12	PXMP2	133264192	rs118132909	12	133287321	T	G	0.101392	0.0235743	0.0128652	0.0668914	0.532639	0.0879957	1.42E-09	0.0442594	0.0252362	0.07946355	0.375897	7	0.60486272
ENSG00000072609	12	CHFR	133398773	rs957800	12	133403542	G	A	0.166998	0.0128683	0.0096914	0.184241	0.471013	0.0771611	1.03E-09	0.0273205	0.0210568	0.1944709	0.4711132	8	0.69515554
ENSG00000250790	12	RP11-46H11.3	133488056	rs77927866	12	133487774	A	G	0.281312	0.00170113	0.00891233	0.848624	0.459	0.0824924	2.63E-08	0.00370617	0.0194283	0.8487124	0.05099422	7	0.97367605
ENSG00000196458	12	ZNF605	133498019	rs115680663	12	133525343	T	C	0.2167	0.00695026	0.00998968	0.486589	0.312168	0.0544333	9.76E-09	0.0222645	0.0322356	0.4897668	0.2998471	14	0.86791667
ENSG00000090612	12	ZNF268	133707570	rs73162457	12	133704006	A	G	0.296223	0.00419868	0.00930105	0.651687	-0.401019	0.0603313	2.99E-11	-0.01047	0.023247	0.6524346	0.9879777	12	0.91384759
ENSG00000227879	13	PSPC1P1	19775777	rs9512591	13	19902411	T	G	0.517893	0.0178775	0.00828261	0.0308937	-0.707326	0.089377	2.49E-15	-0.0252748	0.0121375	0.03730803	0.02499465	20	0.48016086
ENSG00000237636	13	ANKRD26P3	19864733	rs9551360	13	19909181	T	C	0.398608	-0.0162126	0.00879907	0.0653973	0.701228	0.0970524	5.00E-13	-0.0231203	0.0129497	0.07419708	0.0192364	20	0.58550756
ENSG00000236834	13	LINC00421	19919189	rs9554041	13	19919317	T	C	0.400596	-0.0149344	0.0087085	0.0863595	0.576124	0.0941096	9.25E-10	-0.0259222	0.0156976	0.09866674	0.01088072	20	0.63021019
ENSG00000032742	13	IFT88	21140585	rs2497480	13	21196126	A	T	0.175944	0.0222501	0.0119504	0.0626224	0.404813	0.0673438	1.84E-09	0.0549639	0.0309044	0.07531983	0.154657	3	0.59014105
ENSG00000232977	13	LINC00327	24040710	rs28531761	13	24047950	G	C	0.385686	-0.0105065	0.00829221	0.205143	-0.464747	0.0803494	7.29E-09	0.0226069	0.0182655	0.2158328	0.3719166	8	0.71102192
ENSG00000205863	13	C1QTNF9B	24465238	rs9580817	13	24529552	T	A	0.170974	0.00107852	0.0138059	0.937732	0.767995	0.120526	1.87E-10	0.00140433	0.0179779	0.9377371	0.4846895	13	0.98751784
ENSG00000196593	13	ANKRD20A19P	24513696	rs9580817	13	24529552	T	A	0.170974	0.00107852	0.0138059	0.937732	0.726011	0.113963	1.88E-10	0.00148554	0.0190175	0.9377371	0.2635848	5	0.98751784
ENSG00000240654	13	C1QTNF9	24881304	rs112214548	13	24472715	A	G	0.135189	-0.0248269	0.0139231	0.0745641	1.11768	0.15724	1.18E-12	-0.0222129	0.0128431	0.08371008	0.9738783	11	0.60963459
ENSG00000205822	13	TPTE2P6	24982295	rs943049	13	25180151	T	C	0.4334	-0.0015088	0.00820766	0.854147	0.704823	0.0931445	3.82E-14	-0.0021407	0.0116484	0.8541888	0.9388854	12	0.97447565
ENSG00000151849	13	CENPJ	25457171	rs2483398	13	25560752	C	T	0.414513	0.00848752	0.00873418	0.331171	-0.519825	0.067233	1.06E-14	-0.0163276	0.0169343	0.3349589	0.7735735	20	0.79724618
ENSG00000253771	13	TPTE2P1	25498815	rs12862994	13	25530088	C	T	0.132207	-0.0017468	0.0123256	0.887302	0.970429	0.117685	1.64E-16	-0.0018	0.0127031	0.8873186	0.8411233	20	0.9770144
ENSG00000139505	13	MTMR6	25802307	rs9319210	13	25825639	A	G	0.05666	0.00984749	0.0171852	0.566631	0.283928	0.0517075	4.00E-08	0.0346831	0.0608553	0.5687274	0.1968668	7	0.89127357
ENSG00000122025	13	FLT3	28577411	rs12429639	13	28612382	A	G	0.190855	0.0172482	0.010913	0.113988	0.878046	0.0861777	2.23E-24	0.0196438	0.0125774	0.1183259	0.8920467	12	0.64702295
ENSG00000238121	13	LINC00426	30914407	rs9506300	13	30953893	T	G	0.463221	0.0144791	0.00841499	0.0853179	-0.5346	0.0677386	2.97E-15	-0.027084	0.0161105	0.09273547	0.1826468	18	0.62509594
ENSG00000120669	13	SOHLH2	36742345	rs9531684	13	36836802	A	G	0.470179	0.0153024	0.00822013	0.0626628	1.12785	0.0903629	9.44E-36	0.0135678	0.00736894	0.06559081	0.9966848	20	0.57158494
ENSG00000242715	13	CCDC169	36801182	rs9547079	13	36863336	C	T	0.217694	0.0134856	0.0102612	0.18877	-0.547744	0.0843765	8.49E-11	-0.0246203	0.0191136	0.197711	0.6219359	14	0.70154735
ENSG00000236354	13	LINC00437	39107480	rs9532275	13	39338062	G	A	0.378728	-0.0115547	0.00820503	0.159057	-0.532106	0.0936792	1.35E-08	0.021715	0.0158868	0.1716681	0.1167194	7	0.68081994
ENSG00000150893	13	FREM2	39261266	rs9532275	13	39338062	G	A	0.378728	-0.0115547	0.00820503	0.159057	-0.584628	0.0580353	7.22E-24	0.0197642	0.0141711	0.1631112	0.06851413	9	0.67999547
ENSG00000102738	13	MRPS31	41303432	rs6563850	13	41403148	C	T	0.0974155	-0.0103007	0.0126127	0.414105	-0.568981	0.100628	1.56E-08	0.0181038	0.0223972	0.4189152	0.3083592	8	0.83980935
ENSG00000168852	13	TPTE2P5	41396432	rs9525397	13	41425711	C	G	0.747515	-0.0051466	0.00945122	0.586071	0.628644	0.114703	4.24E-08	-0.0081868	0.0151083	0.587908	0.1844105	6	0.89420005
ENSG00000176268	13	CYCSP34	41437735	rs9525420	13	41456764	T	C	0.71173	-0.0077335	0.0087464	0.376589	0.773228	0.104719	1.54E-13	-0.0100016	0.0113924	0.3799845	0.09199053	7	0.8205763
ENSG00000023516	13	AKAP11	42846289	rs146061909	13	42861622	A	G	0.235586	0.00766311	0.00885825	0.386994	-0.282101	0.0365201	1.12E-14	-0.0271644	0.0315973	0.3899504	0.695581	17	0.82273105
ENSG00000120675	13	DNAJC15	43597339	rs17553284	13	43597706	T	C	0.252485	0.00145706	0.00954491	0.878671	-0.920331	0.0658959	2.50E-44	-0.0015832	0.0103718	0.878679	0.1242451	18	0.97615419
ENSG00000179630	13	LACC1	44453420	rs895265	13	44515421	A	T	0.259443	-0.0189143	0.00949616	0.0463949	-0.368911	0.0670528	3.76E-08	0.0512706	0.027376	0.06109138	0.05697477	10	0.56204041
ENSG00000227258	13	SMIM2-AS1	44716682	rs76367685	13	44717742	T	C	0.707753	-0.0127751	0.00906909	0.15894	-1.01506	0.115386	1.40E-18	0.0125856	0.00904835	0.1642488	0.3601543	12	0.67999547
ENSG00000235903	13	CPB2-AS1	46626941	rs56088819	13	46685361	C	T	0.262425	0.00186818	0.00896576	0.834942	1.06206	0.076743	1.48E-43	0.00175902	0.00844282	0.8349599	0.1066491	17	0.96783237
ENSG00000102547	13	CAB39L	49882786	rs35214871	13	49918175	T	G	0.142147	-0.02939	0.0109095	0.00706025	-0.768408	0.108398	1.35E-12	0.0382479	0.0151882	0.01179357	0.08349444	12	0.34722554
ENSG00000123179	13	EBPL	50234859	rs9562915	13	50283389	C	T	0.215706	-0.0025155	0.00980292	0.797486	-0.765525	0.0703852	1.50E-27	0.00328591	0.0128091	0.7975411	0.3425311	20	0.95632975
ENSG00000233672	13	RNASEH2B-AS1	51450822	rs9526708	13	51500691	A	G	0.318091	-0.0057386	0.00866177	0.507637	-0.840382	0.106013	2.24E-15	0.00682859	0.0103429	0.509112	0.5219608	11	0.87138801
ENSG00000136104	13	RNASEH2B	51483814	rs9535526	13	51484445	T	C	0.606362	-0.003777	0.00820362	0.645226	0.77117	0.0596638	3.24E-38	-0.0048977	0.0106446	0.6454348	0.4900851	20	0.91263867
ENSG00000136108	13	CKAP2	53029564	rs11148252	13	53009048	T	C	0.604374	-0.0032994	0.00820595	0.687627	-0.400254	0.0578545	4.57E-12	0.00824334	0.0205365	0.6881253	0.00763907	20	0.92403695
ENSG00000139675	13	HNRNPA1L2	53191605	rs9526975	13	53255804	T	C	0.417495	-0.0055945	0.00815771	0.492845	-0.64462	0.0658119	1.18E-22	0.00867873	0.012686	0.4939021	0.1409875	20	0.86791667
ENSG00000250299	13	MRPS31P4	53191693	rs9536190	13	53181044	C	T	0.408549	-0.0096741	0.00827749	0.242515	-0.379782	0.0565294	1.84E-11	0.0254727	0.0221227	0.2495554	0.01056642	20	0.73465091
ENSG00000139734	13	DIAPH3	60239717	rs341540	13	60353411	T	A	0.739563	0.0296714	0.0102425	0.00376877	-0.382935	0.0613679	4.38E-10	-0.0774842	0.0294892	0.00860033	0.5889107	20	0.29082583
ENSG00000083535	13	PIBF1	73356197	rs9573069	13	73519628	G	C	0.267396	-0.0186782	0.00875855	0.032961	-0.572684	0.0809846	1.53E-12	0.0326152	0.0159742	0.04117692	0.8479879	14	0.49521365
ENSG00000118939	13	UCHL3	76123619	rs9565177	13	76195403	G	T	0.117296	-0.0039257	0.0129695	0.762132	-0.645823	0.0807174	1.23E-15	0.00607852	0.0200965	0.7622962	0.5849006	12	0.941095
ENSG00000261105	13	RP11-173B14.5	76178836	rs735822	13	76209961	G	T	0.554672	0.00500676	0.00810548	0.536772	-0.724709	0.0889388	3.69E-16	-0.0069087	0.0112166	0.5379385	0.2409748	6	0.8813815
ENSG00000227354	13	RBM26-AS1	79980444	rs17511364	13	80252595	C	G	0.0715706	0.0120456	0.0134137	0.369182	1.44818	0.169535	1.32E-17	0.00831775	0.0093135	0.3718113	0.04904603	11	0.81739875
ENSG00000080166	13	DCT	95089558	rs9590030	13	95171058	C	G	0.306163	-0.014985	0.00837686	0.0736377	0.623622	0.0872706	8.94E-13	-0.024029	0.0138471	0.08268615	0.4500489	8	0.60944745
ENSG00000165621	13	OXGR1	97637973	rs9556649	13	97646583	C	A	0.59841	-0.0051114	0.00831274	0.538627	-0.488027	0.0689108	1.42E-12	0.0104737	0.0170974	0.5401498	0.04349986	10	0.8813815
ENSG00000260992	13	DOCK9-AS2	99740073	rs6491483	13	99753828	A	G	0.271372	-0.0076872	0.00901631	0.393887	-0.582135	0.0807897	5.78E-13	0.0132052	0.0155964	0.3971725	0.1914453	10	0.82273105
ENSG00000139780	13	METTL21C	103338094	rs966725	13	103347519	G	A	0.621272	0.00049955	0.00856437	0.953487	0.68458	0.0885181	1.04E-14	0.00072972	0.0125108	0.9534882	0.3303655	10	0.98751784
ENSG00000134897	13	BIVM	103451399	rs4743	13	103493825	G	C	0.476143	-0.0054449	0.00821484	0.507452	-0.368589	0.0530763	3.80E-12	0.0147722	0.0223885	0.5093746	0.7310845	6	0.87138801
ENSG00000250878	13	METTL21EP	103532449	rs9554903	13	103542220	T	C	0.249503	-0.0048787	0.00939455	0.603543	-0.666896	0.0807165	1.43E-16	0.00731556	0.0141148	0.6042552	0.139489	12	0.89694615
ENSG00000272274	13	LINC00551	107270158	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-0.884434	0.0916394	4.86E-22	0.00098661	0.00943418	0.9167105	0.06977262	12	0.9811959
ENSG00000230156	13	LINC00443	107306264	rs3759453	13	107220853	A	G	0.628231	-0.0008726	0.00834342	0.916706	-1.0562	0.0835911	1.35E-36	0.00082616	0.00789974	0.9167085	0.06032297	13	0.9811959
ENSG00000213995	13	CARKD	111267881	rs113257991	13	111285509	T	C	0.173956	0.0129018	0.0101005	0.201481	0.714751	0.100302	1.03E-12	0.0180508	0.0143567	0.2086439	0.9086599	15	0.70391756
ENSG00000134905	13	CARS2	111293759	rs9521913	13	111382058	C	T	0.703777	-0.0144052	0.00857985	0.0931601	0.31331	0.0566111	3.12E-08	-0.0459775	0.0286169	0.1081305	0.9745986	6	0.63551762
ENSG00000153495	13	TEX29	111968531	rs942650	13	111980150	C	T	0.314115	-0.0027611	0.00892069	0.756929	0.744545	0.0862329	5.92E-18	-0.0037084	0.0119891	0.7570798	0.3261122	9	0.93994618
ENSG00000224243	13	LINC00403	112761433	rs9549667	13	112627625	A	G	0.518887	0.00823468	0.00807149	0.307625	-0.282668	0.0510199	3.02E-08	-0.029132	0.0290348	0.3156926	0.6628045	5	0.78450316
ENSG00000267868	13	RP11-120K24.3	113619149	rs4907571	13	113618496	C	T	0.282306	-0.0029886	0.00839015	0.721686	0.56235	0.0790759	1.15E-12	-0.0053145	0.0149385	0.7220205	0.7561262	8	0.93391705
ENSG00000235280	13	MCF2L-AS1	113621798	rs3011547	13	113635963	T	C	0.709742	0.00124282	0.00836095	0.881833	-0.566397	0.0754106	5.87E-14	-0.0021943	0.0147645	0.8818561	0.9639485	12	0.97615419
ENSG00000057593	13	F7	113760105	rs2774033	13	113765235	A	G	0.115308	0.00807955	0.0155941	0.604376	-0.525468	0.0644197	3.44E-16	-0.0153759	0.0297364	0.6051047	0.5746752	10	0.89773251
ENSG00000150403	13	TMCO3	114145310	rs9577570	13	114216310	T	C	0.167992	0.00916405	0.0112657	0.415961	-0.393792	0.0633143	4.98E-10	-0.0232713	0.0288519	0.4199097	0.05243798	4	0.83980935
ENSG00000184497	13	TMEM255B	114462216	rs11259842	13	114513969	C	T	0.624254	0.0166843	0.00842411	0.047642	0.482143	0.0818597	3.86E-09	0.0346045	0.0184336	0.06048374	0.7693255	4	0.56204041
ENSG00000100814	14	CCNB1IP1	20779527	rs1889361	14	20797836	A	G	0.496024	0.0088533	0.00807895	0.273145	-0.45722	0.071453	1.57E-10	-0.0193633	0.017927	0.2800874	0.8468268	8	0.76113949
ENSG00000092094	14	OSGEP	20914570	rs1760944	14	20923149	G	T	0.641153	0.0136603	0.00874546	0.11829	0.696011	0.056902	2.10E-34	0.0196266	0.0126672	0.1212843	0.2830589	17	0.65227447
ENSG00000258515	14	RP11-203M5.7	20919464	rs2275006	14	20920340	G	A	0.632207	0.0101428	0.00861767	0.239205	0.400669	0.0587012	8.76E-12	0.0253147	0.0218256	0.246106	0.00799439	7	0.73450129
ENSG00000165794	14	SLC39A2	21467414	rs2149666	14	21468156	G	T	0.628231	0.017484	0.00860939	0.0422746	-0.752975	0.108488	3.90E-12	-0.0232199	0.0119132	0.05128515	0.3968816	3	0.54321388
ENSG00000092203	14	TOX4	21944756	rs933192	14	21963809	C	A	0.507952	-0.0133621	0.00807863	0.0981273	0.259694	0.0398565	7.23E-11	-0.0514532	0.0320949	0.1088995	0.2736786	3	0.63551762
ENSG00000100461	14	RBM23	23369854	rs2005133	14	23437729	T	C	0.0308151	-0.0103015	0.0263884	0.696256	-1.16745	0.20936	2.46E-08	0.00882393	0.0226588	0.6969605	0.495864	5	0.92702227
ENSG00000257285	14	RP11-298I3.1	23398818	rs34026312	14	23398995	A	G	0.342942	-0.0041446	0.00875226	0.635823	0.752999	0.0996971	4.26E-14	-0.0055042	0.011646	0.6364839	0.2388027	11	0.90974606
ENSG00000092036	14	HAUS4	23415437	rs1951120	14	23429713	C	T	0.473161	0.00549303	0.0080847	0.496862	0.438078	0.0443445	5.14E-23	0.0125389	0.0184985	0.497877	0.05627782	20	0.86791667
ENSG00000215256	14	DHRS4-AS1	24407940	rs10148822	14	24421152	T	C	0.0506958	-0.0317794	0.0464148	0.493544	-0.831966	0.0967127	7.80E-18	0.038198	0.0559657	0.4949076	0.307306	14	0.86791667
ENSG00000157326	14	DHRS4	24422795	rs2273944	14	24423090	G	A	0.0874751	-0.0117573	0.0193213	0.542848	-0.547846	0.0983994	2.58E-08	0.021461	0.0354778	0.545237	0.4235627	7	0.8813815
ENSG00000187630	14	DHRS4L2	24439148	rs7156226	14	24428798	T	C	0.0516899	0.0147934	0.0417246	0.722928	-1.09259	0.110039	3.11E-23	-0.0135398	0.038213	0.723097	0.274917	20	0.93391705
ENSG00000100889	14	PCK2	24563262	rs2759409	14	24567304	A	C	0.738569	0.0119094	0.0102765	0.246496	-0.356118	0.0644183	3.24E-08	-0.0334423	0.0294843	0.2566932	0.8725584	4	0.74022824
ENSG00000092295	14	TGM1	24718320	rs941504	14	24733467	T	C	0.944334	0.010418	0.0170707	0.541674	0.903253	0.113822	2.09E-15	0.0115339	0.0189549	0.5428634	0.6564077	10	0.8813815
ENSG00000157379	14	DHRS1	24759804	rs55982310	14	24768952	C	A	0.498012	0.0103281	0.00805705	0.199888	-0.494425	0.0774144	1.69E-10	-0.0208891	0.0166208	0.2088237	0.4433292	7	0.70391756
ENSG00000129465	14	RIPK3	24805227	rs11844732	14	24808961	G	T	0.0616302	-0.0085383	0.0138125	0.536474	-0.838451	0.142195	3.71E-09	0.0101834	0.0165641	0.5386964	0.1617053	8	0.8813815
ENSG00000139899	14	CBLN3	24895738	rs7143804	14	24903245	T	C	0.756461	0.00397978	0.00848907	0.639203	0.925401	0.0980894	3.94E-21	0.0043006	0.00918472	0.6396169	0.1235053	7	0.91019594
ENSG00000100441	14	KHNYN	24898492	rs10134603	14	24904154	G	A	0.193837	0.0188904	0.0110951	0.0886441	0.277813	0.049073	1.50E-08	0.0679968	0.0417043	0.1030065	0.2710449	4	0.63021019
ENSG00000092108	14	SCFD1	31091318	rs10142331	14	31197026	C	T	0.371769	0.0166051	0.00854026	0.0518561	0.273968	0.0483029	1.41E-08	0.0606096	0.0329532	0.06587639	0.5159935	10	0.57158494
ENSG00000203546	14	RP11-176H8.1	31803518	rs34024670	14	31896969	A	G	0.387674	-0.0043272	0.00808191	0.592358	0.622387	0.0775678	1.03E-15	-0.0069527	0.0130142	0.5931791	0.7659282	17	0.89572075
ENSG00000092020	14	PPP2R3C	35554673	rs8019351	14	35588296	C	A	0.313121	-0.0220902	0.0087175	0.0112766	-0.55586	0.0648298	9.98E-18	0.0397406	0.0163535	0.01509465	0.4491301	19	0.36210503
ENSG00000259129	14	LINC00648	48234157	rs4499140	14	48264208	G	C	0.379722	-0.0010228	0.00806236	0.899047	0.819926	0.0928394	1.03E-18	-0.0012475	0.00983405	0.8990568	0.2160756	7	0.97902365
ENSG00000165502	14	RPL36AL	50085237	rs3007042	14	50095335	G	A	0.760437	-0.0096268	0.00961837	0.316887	0.390362	0.0451958	5.76E-18	-0.0246612	0.0248045	0.3201147	0.6128663	17	0.78475979
ENSG00000100483	14	VCPKMT	50575350	rs59466182	14	50587922	G	A	0.145129	0.01993	0.0101762	0.0501718	-0.430842	0.0538901	1.30E-15	-0.0462583	0.0243177	0.05713902	0.935242	15	0.5596292
ENSG00000258711	14	RP11-218E20.3	51422977	rs79822782	14	51430887	G	A	0.202783	0.0138663	0.0108608	0.201697	0.769443	0.11399	1.48E-11	0.0180212	0.0143654	0.2096651	0.8267753	11	0.70430953
ENSG00000237356	14	AL163953.3	53635772	rs56744189	14	53694210	A	C	0.233598	-0.0143143	0.00953104	0.133133	0.588669	0.104453	1.74E-08	-0.0243164	0.0167559	0.14672	0.433255	5	0.66222016
ENSG00000258413	14	RP11-665C16.6	55729485	rs943590	14	55738596	C	T	0.44334	0.00174436	0.0080655	0.828775	-0.668369	0.0899749	1.10E-13	-0.0026099	0.0120725	0.8288454	0.7752078	20	0.96460169
ENSG00000126775	14	ATG14	55833110	rs7146748	14	55747086	A	G	0.442346	0.00200641	0.0080637	0.8035	0.368284	0.0661735	2.62E-08	0.005448	0.0219172	0.8036921	0.6843274	6	0.95841357
ENSG00000131966	14	ACTR10	58666798	rs117786767	14	58749267	C	A	0.0487078	-0.0713079	0.01985	0.00032773	-0.486572	0.0698759	3.32E-12	0.146552	0.0459044	0.00141029	0.00056783	10	0.24091354
ENSG00000257621	14	RP11-349A22.5	58732083	rs75303210	14	58856132	T	G	0.0894632	0.00267497	0.0146002	0.854629	0.573962	0.098479	5.60E-09	0.00466054	0.0254501	0.8547006	0.2852604	4	0.97447565
ENSG00000126790	14	L3HYPDH	59927081	rs1268584	14	59950417	G	T	0.418489	-0.0076637	0.00883194	0.385546	-0.621313	0.0673668	2.89E-20	0.0123346	0.0142777	0.387639	0.08600429	20	0.82273105
ENSG00000126773	14	PCNXL4	60558629	rs160231	14	60575240	C	T	0.88171	-0.0103815	0.0129831	0.42393	0.389562	0.0703181	3.02E-08	-0.0266492	0.0336728	0.4287017	0.279055	6	0.84673767
ENSG00000100612	14	DHRS7	60610838	rs368229	14	60612766	A	G	0.150099	0.00933626	0.0127522	0.464089	-0.540176	0.064141	3.71E-17	-0.0172837	0.0236965	0.4657702	0.3269781	10	0.85681817
ENSG00000258289	14	CHURC1	65381079	rs10142016	14	65375444	G	T	0.186879	0.00764242	0.0096039	0.42617	1.0078	0.0737323	1.57E-42	0.00758327	0.00954571	0.4269527	0.9457416	20	0.84621731
ENSG00000100564	14	PIGH	68048672	rs10131404	14	68065844	A	G	0.576541	-0.0024454	0.00810328	0.762825	0.462257	0.0584274	2.54E-15	-0.00529	0.0175426	0.7629915	0.2127874	8	0.94111413
ENSG00000259038	14	CTD-2325P2.4	69093883	rs2273485	14	69095099	T	G	0.124254	0.0154448	0.0104419	0.13911	0.506041	0.0768376	4.52E-11	0.0305208	0.0211485	0.1489731	0.4198872	7	0.66222016
ENSG00000175985	14	PLEKHD1	69951409	rs10150434	14	69951377	C	G	0.143141	0.01399	0.0122456	0.253264	0.509629	0.0741318	6.22E-12	0.0274513	0.024358	0.2597446	0.3331457	10	0.74447118
ENSG00000133983	14	COX16	70791798	rs67417438	14	70845490	C	T	0.106362	0.011689	0.0118322	0.3232	-0.638737	0.0857116	9.18E-14	-0.0183002	0.0186864	0.3274171	0.7590671	18	0.78770305
ENSG00000184227	14	ACOT1	74003818	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.626567	0.0973636	1.23E-10	-0.0302951	0.0138105	0.02826277	0.1106557	17	0.42318362
ENSG00000258408	14	NT5CP2	74005925	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.692706	0.0944078	2.18E-13	-0.0274025	0.0123233	0.02617311	0.3173915	16	0.42271621
ENSG00000119673	14	ACOT2	74034324	rs11626972	14	74033594	G	A	0.44831	0.0189819	0.00813499	0.0196291	-0.463452	0.0677101	7.67E-12	-0.0409576	0.018545	0.02720543	0.4195977	11	0.42271621
ENSG00000177465	14	ACOT4	74058410	rs2108465	14	74029698	C	A	0.702783	0.0169371	0.00916495	0.0645981	0.486948	0.069742	2.91E-12	0.0347822	0.0194693	0.07401646	0.05305069	20	0.58550756
ENSG00000205669	14	ACOT6	74077649	rs10134911	14	74095256	A	G	0.466203	0.0006402	0.00829992	0.938518	-0.490446	0.0780203	3.25E-10	-0.0013053	0.0169245	0.9385221	0.1001274	7	0.98751784
ENSG00000119661	14	DNAL1	74111578	rs11627457	14	74192247	T	A	0.260437	0.00544012	0.00885625	0.539038	0.345251	0.0538513	1.44E-10	0.015757	0.0257691	0.5408893	0.1800254	11	0.8813815
ENSG00000259065	14	RP5-1021I20.1	74254063	rs12890741	14	74261657	C	G	0.125249	-0.0143658	0.0106419	0.177038	0.955035	0.0860175	1.22E-28	-0.0150422	0.011225	0.180226	0.6889512	20	0.68323261
ENSG00000258586	14	RP5-1021I20.2	74289262	rs17182607	14	74275989	G	A	0.125249	-0.0142003	0.0106366	0.181863	0.80496	0.103862	9.17E-15	-0.017641	0.0134084	0.1882867	0.9965258	17	0.69027352
ENSG00000140043	14	PTGR2	74318547	rs8020267	14	74318714	G	A	0.90159	-0.0144917	0.0156902	0.355688	-0.514523	0.069133	9.88E-14	0.0281653	0.0307286	0.3593609	0.8968913	10	0.81588218
ENSG00000205659	14	LIN52	74551499	rs4899502	14	74669893	A	G	0.66501	0.00193609	0.00894018	0.828551	-0.427331	0.0668317	1.61E-10	-0.0045307	0.020933	0.8286476	0.9626377	7	0.96460169
ENSG00000119682	14	AREL1	75120140	rs35641442	14	75207263	A	G	0.472167	0.0215166	0.00837917	0.0102327	-0.168775	0.0274239	7.54E-10	-0.127487	0.0537953	0.0177953	0.5785345	10	0.38205274
ENSG00000119718	14	EIF2B2	75469614	rs56329719	14	75484681	A	T	0.538767	-0.000904	0.00807487	0.910865	0.360034	0.059215	1.20E-09	-0.0025108	0.0224319	0.9108799	0.0655234	11	0.98076095
ENSG00000259319	14	RP11-293M10.6	75890386	rs8021779	14	75883647	T	A	0.572565	0.0223437	0.00817135	0.00624942	0.255649	0.0459866	2.71E-08	0.0873999	0.0356204	0.0141416	0.4569415	10	0.36040521
ENSG00000119685	14	TTLL5	76099968	rs2360035	14	76297093	T	A	0.663022	-0.013746	0.00926786	0.138024	0.445394	0.0567821	4.37E-15	-0.0308626	0.021177	0.1450155	0.4376138	20	0.66222016
ENSG00000269883	14	AC007375.1	77607026	rs754119	14	77609319	G	A	0.628231	0.0119187	0.00814244	0.143255	-0.461121	0.0683954	1.56E-11	-0.0258472	0.0180693	0.1525882	0.3080511	4	0.66419398
ENSG00000009830	14	POMT2	77741299	rs71413458	14	77760444	A	G	0.189861	-0.0142701	0.0105738	0.177153	0.328411	0.0599729	4.35E-08	-0.043452	0.0331602	0.190073	0.9570214	8	0.69088256
ENSG00000100577	14	GSTZ1	77787227	rs2270421	14	77787088	T	C	0.287276	-0.0004271	0.00837072	0.959308	0.467458	0.0706344	3.64E-11	-0.0009136	0.0179074	0.9593094	0.2199163	16	0.98751784
ENSG00000100591	14	AHSA1	77924213	rs11620921	14	77939965	G	A	0.559642	-0.0147605	0.00814027	0.0697895	0.223258	0.0408286	4.55E-08	-0.0661141	0.0384137	0.08523103	0.9832233	4	0.61159593
ENSG00000063761	14	ADCK1	78266426	rs74566901	14	78282935	A	G	0.0477137	0.0196102	0.0183551	0.285348	0.48375	0.085903	1.79E-08	0.0405379	0.0386202	0.2938766	0.5945437	8	0.77217832
ENSG00000042317	14	SPATA7	88851268	rs3179969	14	88862529	A	G	0.300199	-0.0076194	0.00893211	0.393639	-0.580101	0.0566066	1.21E-24	0.0131346	0.0154508	0.3952712	0.8362683	20	0.82273105
ENSG00000258983	14	RP11-507K2.2	88965678	rs2297128	14	88936254	G	A	0.228628	-0.0102702	0.00942596	0.275905	0.66416	0.101973	7.36E-11	-0.0154634	0.0143895	0.2825394	0.9345047	12	0.76264592
ENSG00000260711	14	RP11-747H7.3	92223103	rs58763793	14	92297571	T	C	0.447316	0.00271395	0.008096	0.737459	0.579184	0.0697206	9.80E-17	0.00468582	0.0139897	0.7376639	0.9009666	12	0.93606022
ENSG00000165929	14	TC2N	92246095	rs1884840	14	92309325	G	A	0.553678	-0.0027152	0.00809477	0.737301	-0.593417	0.0653779	1.12E-19	0.00457557	0.0136503	0.7374741	0.9321841	14	0.93606022
ENSG00000165934	14	CPSF2	92588281	rs61976605	14	92637243	T	C	0.171968	0.00748415	0.0102748	0.466368	-0.376544	0.0617851	1.10E-09	-0.0198759	0.0274813	0.4695256	0.1220299	3	0.85715032
ENSG00000119632	14	IFI27L2	94594116	rs2273514	14	94595989	C	T	0.16501	-0.0038338	0.00979191	0.695409	-0.362964	0.050756	8.60E-13	0.0105625	0.027018	0.695841	0.976069	8	0.92702227
ENSG00000119698	14	PPP4R4	94612465	rs1956457	14	94649825	T	G	0.833002	0.00841522	0.0102245	0.410481	0.301474	0.0502231	1.94E-09	0.0279136	0.0342323	0.4148345	0.591866	8	0.83746881
ENSG00000250366	14	LINC00617	96342729	rs12888779	14	96356164	A	G	0.0427435	0.0195567	0.0230585	0.396365	-0.504851	0.0902693	2.24E-08	-0.0387376	0.0461961	0.4017238	0.8044567	8	0.8240298
ENSG00000258702	14	RP11-433J8.1	97059070	rs75564413	14	97059591	A	G	0.109344	0.0180405	0.0125989	0.152168	-0.926567	0.102623	1.73E-19	-0.0194703	0.0137673	0.1572926	0.5058697	7	0.67454327
ENSG00000100749	14	VRK1	97263641	rs76226562	14	97341007	T	G	0.131213	0.00441757	0.0133278	0.7403	-0.494943	0.0809196	9.57E-10	-0.0089254	0.0269675	0.7406674	0.7759511	7	0.93606022
ENSG00000271780	14	RP11-1017G21.5	102414684	rs2448241	14	102414767	A	G	0.084493	0.00781294	0.0125819	0.534621	0.764734	0.113041	1.33E-11	0.0102165	0.0165218	0.5363334	0.1198024	4	0.8813815
ENSG00000156381	14	ANKRD9	102973179	rs2403058	14	102964654	G	A	0.648111	-0.004052	0.0081981	0.621121	0.386471	0.0503037	1.56E-14	-0.0104847	0.0212566	0.6218405	0.01927493	18	0.90296505
ENSG00000259775	14	RP11-45P15.4	103798011	rs7156555	14	103782962	A	G	0.2833	-0.0183748	0.00897212	0.0405611	0.60976	0.0824729	1.43E-13	-0.0301345	0.0152683	0.04841939	0.2259515	14	0.52638815
ENSG00000075413	14	MARK3	103851729	rs3759584	14	103990799	C	T	0.367793	0.00873648	0.00873645	0.317309	0.335937	0.0615759	4.88E-08	0.0260063	0.0264395	0.3253042	0.140034	5	0.78543469
ENSG00000166166	14	TRMT61A	103995521	rs2756119	14	104001517	A	G	0.400596	-0.0337093	0.00833567	5.25E-05	-0.269295	0.0465444	7.22E-09	0.125176	0.0377652	0.00091779	0.08132912	9	0.23528574
ENSG00000256053	14	APOPT1	104029299	rs861531	14	104172807	A	C	0.39662	-0.0058311	0.00873076	0.504212	0.342016	0.0602289	1.36E-08	-0.0170491	0.0257033	0.5071347	0.00663681	4	0.87138801
ENSG00000156414	14	TDRD9	104394799	rs10149651	14	104394440	G	A	0.713718	0.00808245	0.00914405	0.376749	-0.486526	0.0855649	1.30E-08	-0.0166126	0.0190203	0.3824382	0.5234967	5	0.82149871
ENSG00000184990	14	SIVA1	105219437	rs4983541	14	105208986	A	G	0.189861	-0.0072571	0.0105222	0.490387	0.310219	0.0554534	2.22E-08	-0.0233935	0.0341754	0.493651	0.4450238	7	0.86791667
ENSG00000140104	14	C14orf79	105452112	rs2819460	14	105448809	G	A	0.224652	0.0117112	0.00903595	0.194953	0.571734	0.0586934	2.02E-22	0.0204837	0.0159437	0.1988813	0.5478037	20	0.70207968
ENSG00000183828	14	NUDT14	105639275	rs10140111	14	105644282	G	C	0.622266	-0.0094388	0.00833304	0.257341	0.554884	0.0495713	4.38E-29	-0.0170104	0.0150943	0.2597665	0.7435204	18	0.74447118
ENSG00000259905	15	PWRN1	24738284	rs8035846	15	24780449	G	A	0.440358	-0.0013193	0.00813575	0.871177	0.65537	0.0995515	4.60E-11	-0.0020131	0.0124177	0.871216	0.3156491	16	0.97609174
ENSG00000206187	15	RP11-1084I9.1	26147507	rs11637522	15	26278561	G	C	0.134195	0.0198046	0.0111779	0.0764328	0.72821	0.117253	5.28E-10	0.0271963	0.0159622	0.08842066	0.07905218	9	0.62201511
ENSG00000206149	15	HERC2P9	28834638	rs200980827	15	28899626	C	G	0.0218688	0.0199746	0.0840178	0.812081	-0.864793	0.151734	1.20E-08	-0.0230976	0.0972381	0.8122411	0.951259	4	0.96203978
ENSG00000261377	15	RP11-578F21.12	29034810	rs7179973	15	29078589	C	G	0.167992	-0.0015469	0.014208	0.913303	-1.16493	0.0853308	1.97E-42	0.00132786	0.0121968	0.9133064	0.504472	17	0.98076095
ENSG00000215302	15	CTD-3092A11.1	30762982	rs4779771	15	31027561	C	T	0.540755	-0.0169177	0.00810166	0.0367815	-0.722854	0.093597	1.14E-14	0.023404	0.0116103	0.04382167	0.2050097	18	0.50858212
ENSG00000270055	15	CTD-3092A11.2	30780166	rs78884938	15	31510885	T	C	0.0347913	0.0319157	0.0263781	0.226305	-1.45799	0.232623	3.67E-10	-0.0218902	0.0184261	0.2348342	0.1625705	20	0.73360382
ENSG00000270015	15	RP11-540B6.6	31218717	rs2955777	15	31219788	C	A	0.61829	0.015388	0.00818175	0.0600026	0.489975	0.0637116	1.47E-14	0.0314057	0.0171904	0.06771002	0.1605121	19	0.57396564
ENSG00000134160	15	TRPM1	31293264	rs3809579	15	31394322	T	C	0.584493	0.006059	0.00808677	0.453708	-0.956069	0.0841403	6.41E-30	-0.0063374	0.00847672	0.4546864	0.916432	10	0.85681817
ENSG00000206127	15	GOLGA8O	32737307	rs12594943	15	32899868	T	C	0.355865	0.003767	0.00874843	0.666765	0.617009	0.0956176	1.10E-10	0.00610526	0.0142103	0.6674604	0.3244024	4	0.91884947
ENSG00000254912	15	RP11-632K20.2	32786204	rs62003030	15	32815816	A	G	0.224652	-2.48E-05	0.00960548	0.997937	1.01174	0.0946481	1.14E-26	-2.45E-05	0.00949402	0.9979369	0.8552999	6	0.99887256
ENSG00000223509	15	RP11-632K20.7	32812049	rs11637626	15	32810421	A	G	0.224652	0.00047472	0.00959922	0.960558	-0.623235	0.0867299	6.68E-13	-0.0007617	0.0154026	0.9605587	0.9888723	5	0.98751784

ENSG00000232653	15	GOLGA8N	32885657	rs4530105	15	32901701	C	A	0.755467	0.011664	0.0099113	0.239262	-0.77128	0.100559	1.72E-14	-0.0151229	0.0130008	0.2447379	0.6894689	7	0.73450129
ENSG00000259446	15	RP11-489D6.2	33595858	rs2251110	15	33598537	T	G	0.512922	-0.0089013	0.00807647	0.270408	-0.731975	0.0691494	3.48E-26	0.0121606	0.0110934	0.272992	0.7620727	20	0.75500572
ENSG00000184984	15	CHRM5	34260921	rs499167	15	34348338	C	A	0.714712	0.0207176	0.00875269	0.0179329	-0.706135	0.120464	4.58E-09	-0.0293394	0.0133676	0.02817691	0.2470642	8	0.42318362
ENSG00000182405	15	PGBD4	34394274	rs4780215	15	34400939	C	G	0.885686	-0.0185825	0.0136011	0.17186	-0.334168	0.0592907	1.74E-08	0.0556083	0.0418802	0.1842461	0.175771	4	0.68478134
ENSG00000215252	15	GOLGA8B	34817408	rs144215799	15	34890377	G	A	0.0109344	0.0695257	0.0757013	0.358398	-1.25197	0.214587	5.40E-09	-0.055533	0.0612103	0.3642749	0.6676298	3	0.81680835
ENSG00000250007	15	RP11-814P5.1	35047285	rs35063221	15	35073833	T	G	0.317097	-0.0210709	0.00872655	0.015754	0.479082	0.0802231	2.35E-09	-0.0439818	0.0196477	0.02518704	0.2549187	7	0.42271621
ENSG00000128944	15	KNSTRN	40674922	rs7166991	15	40671957	G	A	0.0994036	-0.025456	0.0113439	0.0248308	1.4619	0.103535	2.86E-45	-0.017413	0.00785708	0.026677	0.635086	18	0.42271621
ENSG00000128928	15	IVD	40697686	rs7165012	15	40654038	G	A	0.532803	-0.0027433	0.00851829	0.747412	0.371883	0.0500499	1.08E-13	-0.0073769	0.0229273	0.7476415	0.0227148	14	0.93730503
ENSG00000128891	15	C15orf57	40820882	rs34824658	15	40894153	T	C	0.457256	0.0298589	0.00830464	0.00032384	-0.577527	0.0632618	6.90E-20	-0.0517013	0.0154547	0.0008218	0.02222507	20	0.23528574
ENSG00000223313	15	RNU6-516P	40821769	rs12913739	15	40882965	A	G	0.457256	0.0295534	0.00829489	0.00036686	-0.68377	0.100244	9.04E-12	-0.0432213	0.0136863	0.00158857	0.00115237	10	0.24091354
ENSG00000104140	15	RHOV	41164412	rs28441210	15	41178874	C	T	0.269384	0.0296785	0.00948647	0.00175695	0.259229	0.0438283	3.33E-09	0.114488	0.0413989	0.005684	0.2563894	7	0.29082583
ENSG00000137804	15	NUSAP1	41624892	rs28463309	15	41666716	G	A	0.260437	0.0116171	0.0091964	0.206511	0.872627	0.100719	4.56E-18	0.0133128	0.0106502	0.2112973	0.03735325	20	0.70733357
ENSG00000137806	15	NDUFAF1	41679551	rs2730056	15	41735785	G	A	0.269384	0.0225806	0.00882653	0.0105196	-0.746944	0.0822874	1.11E-19	-0.0302306	0.0122772	0.0138033	0.1117742	20	0.35964166
ENSG00000103932	15	RPAP1	41809374	rs7178957	15	41817662	G	A	0.530815	0.00593649	0.00806606	0.461741	-0.44616	0.060578	1.77E-13	-0.0133057	0.0181689	0.4639632	0.7206413	20	0.85681817
ENSG00000243708	15	PLA2G4B	42120283	rs4924580	15	42137773	A	G	0.356859	0.015671	0.00827423	0.0582304	0.204135	0.0359595	1.37E-08	0.0767678	0.0427295	0.07239898	0.6228009	6	0.58463689
ENSG00000168803	15	ADAL	43622872	rs884704	15	43691150	C	T	0.137177	0.00626048	0.0134223	0.640911	-0.975533	0.105953	3.35E-20	-0.0064175	0.0137766	0.6413397	0.1592665	20	0.91019594
ENSG00000140265	15	ZSCAN29	43650370	rs11637572	15	43685140	C	A	0.33996	-0.0208267	0.00945952	0.0276892	0.440486	0.0749293	4.14E-09	-0.0472812	0.0229319	0.0392257	0.7300124	12	0.48722943
ENSG00000242866	15	STRC	43891596	rs62018890	15	43900153	T	C	0.185885	-0.0312194	0.0128676	0.0152581	0.691619	0.0862895	1.10E-15	-0.0451396	0.0194387	0.02022513	0.2377759	20	0.39016878
ENSG00000249839	15	AC011330.5	43955852	rs2927085	15	43989530	C	T	0.315109	-0.0137628	0.00929531	0.13871	-0.764894	0.101359	4.47E-14	0.0179931	0.0123841	0.1462469	0.02930074	20	0.66222016
ENSG00000205771	15	CATSPER2P1	44019116	rs117091329	15	44036768	A	T	0.0357853	-0.0047462	0.0168625	0.778354	-1.43411	0.201812	1.19E-12	0.00330952	0.0117674	0.7785226	0.6140058	15	0.95093618
ENSG00000185880	15	TRIM69	45021186	rs17588305	15	45021766	T	C	0.107356	-0.0123024	0.0138973	0.376028	-0.690521	0.100755	7.21E-12	0.0178161	0.020293	0.3799745	0.6408433	8	0.8205763
ENSG00000259479	15	CTD-2008A1.2	45118569	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	1.14634	0.188027	1.08E-09	0.00599811	0.0182729	0.7427218	0.4777556	5	0.93615239
ENSG00000140263	15	SORD	45315302	rs4774514	15	45374055	T	C	0.0467197	0.00687587	0.0209166	0.742361	-1.00641	0.152255	3.84E-11	-0.0068321	0.0208091	0.7426681	0.7509077	4	0.93615239
ENSG00000138606	15	SHF	45459412	rs2467838	15	45489814	T	A	0.635189	-0.0126886	0.00825856	0.124437	0.425299	0.0667667	1.89E-10	-0.0298345	0.0199751	0.1352838	0.2647223	8	0.66222016
ENSG00000259520	15	CTD-2651B20.3	45543884	rs8039153	15	45579813	C	T	0.635189	-0.0056476	0.00823333	0.492752	0.92458	0.0892496	3.79E-25	-0.0061082	0.00892444	0.4936974	0.4683754	20	0.86791667
ENSG00000259433	15	CTD-2651B20.4	45622407	rs2433601	15	45716425	C	T	0.408549	0.00525935	0.00818119	0.520316	-0.782063	0.0929826	4.07E-17	-0.006725	0.0104915	0.5215297	0.3319522	17	0.87741473
ENSG00000171763	15	SPATA5L1	45694529	rs7402632	15	45701913	T	A	0.27336	0.0112056	0.0087015	0.197822	0.68297	0.103073	3.45E-11	0.0164072	0.0129791	0.2061851	0.8421661	7	0.70391756
ENSG00000244879	15	GABPB1-AS1	50647525	rs504781	15	50648339	C	T	0.400596	0.00615968	0.00923785	0.504909	0.895371	0.0551465	2.80E-59	0.00687947	0.010326	0.5052669	0.2761591	20	0.87138801
ENSG00000259577	15	RP11-430B1.2	52472290	rs12595160	15	52463485	C	A	0.145129	0.00235216	0.012166	0.846694	-0.520195	0.0734931	1.46E-12	-0.0045217	0.0233961	0.8467501	0.8914401	20	0.97328151
ENSG00000047346	15	FAM214A	52873514	rs11633933	15	52948357	C	T	0.777336	0.00983111	0.0104499	0.346815	0.430895	0.0735776	4.73E-09	0.0228156	0.0245625	0.3529534	0.7831438	5	0.8132045
ENSG00000069974	15	RAB27A	55495164	rs11635532	15	55600692	G	C	0.121272	-0.0110709	0.0125068	0.376052	0.717632	0.0908235	2.76E-15	-0.015427	0.0175369	0.3790287	0.3618495	9	0.8205763
ENSG00000069943	15	PIGB	55611158	rs28799296	15	55597411	C	T	0.342942	0.0032646	0.00899507	0.716656	0.538209	0.0846222	2.02E-10	0.00606567	0.0167402	0.717096	0.4600117	4	0.93305022
ENSG00000103642	15	LACTB	63413999	rs2292038	15	63449680	G	C	0.492048	-0.0068655	0.00805254	0.393886	0.541434	0.0697338	8.21E-15	-0.0126803	0.014962	0.3967185	0.4741217	15	0.82273105
ENSG00000185088	15	RPS27L	63418071	rs8036501	15	63449865	T	G	0.0745527	0.015606	0.0132999	0.240639	-0.444518	0.0582346	2.29E-14	-0.0351077	0.0302713	0.2461427	0.932807	18	0.73450129
ENSG00000074410	15	CA12	63613577	rs28372792	15	63674295	C	T	0.727634	-0.0024116	0.00859222	0.778967	0.499898	0.0654969	2.30E-14	-0.0048241	0.0171996	0.7791115	0.6813304	8	0.95093618
ENSG00000035664	15	DAPK2	64199235	rs4776296	15	64337280	C	T	0.153082	0.010596	0.011958	0.375561	0.432718	0.0680018	1.97E-10	0.0244871	0.0279013	0.3801428	0.3590508	4	0.8205763
ENSG00000103671	15	TRIP4	64679947	rs673931	15	64814293	A	G	0.892644	-0.0167371	0.0125588	0.182631	-0.598872	0.0938443	1.75E-10	0.0279477	0.0214232	0.1920444	0.1079037	8	0.6923312
ENSG00000166831	15	RBPMS2	65032091	rs7166363	15	65097770	G	C	0.89165	-0.01715	0.012598	0.173411	-0.782171	0.119648	6.26E-11	0.0219262	0.016452	0.182618	0.2407838	6	0.6842715
ENSG00000090487	15	SPG21	65255362	rs17229765	15	65258834	A	G	0.425447	-0.0172551	0.00820972	0.0355713	-0.400427	0.0579761	4.96E-12	0.0430917	0.0214307	0.04435204	0.9855479	14	0.51022446
ENSG00000166938	15	DIS3L	66585555	rs907893	15	66681027	G	A	0.313121	-0.0184946	0.00890998	0.0379193	-0.403493	0.0682552	3.39E-09	0.0458362	0.0234038	0.05017229	0.6052153	7	0.53474069
ENSG00000075131	15	TIPIN	66628544	rs4483802	15	66679819	C	G	0.106362	-0.0003002	0.0148735	0.983897	1.34181	0.139036	4.88E-22	-0.0002237	0.0110847	0.9838969	0.3879452	7	0.9924555
ENSG00000260657	15	RP11-315D16.4	68560130	rs16951723	15	68570011	C	T	0.356859	0.0009175	0.00901394	0.918926	0.842161	0.0930108	1.37E-19	0.00108946	0.010704	0.9189313	0.9987651	17	0.9811959
ENSG00000067221	15	STOML1	74275547	rs4886820	15	74267320	C	T	0.599404	0.0143351	0.0084941	0.0914766	-0.168033	0.0308131	4.94E-08	-0.0853112	0.0529156	0.1069153	0.6249862	9	0.63551762
ENSG00000261543	15	RP11-665J16.1	74445141	rs12912578	15	74473073	G	A	0.192843	0.013786	0.00901288	0.126119	-0.693117	0.091965	4.82E-14	-0.0198899	0.0132685	0.1338662	0.3548387	9	0.66222016
ENSG00000137868	15	STRA6	74471807	rs12911385	15	74493886	T	C	0.338966	-0.0001479	0.00885422	0.986675	0.711965	0.121754	4.99E-09	-0.0002077	0.0124364	0.9866749	0.03922081	5	0.9938744
ENSG00000178802	15	MPI	75182346	rs6495124	15	75154779	T	C	0.666004	0.00485842	0.00843195	0.564486	0.40143	0.0584899	6.73E-12	0.0121028	0.0210787	0.5658515	0.1434857	20	0.89127357
ENSG00000140400	15	MAN2C1	75648133	rs4243033	15	75694678	T	C	0.279324	0.00152656	0.00978842	0.876068	0.438324	0.0556787	3.48E-15	0.00348272	0.0223359	0.876092	0.1720931	13	0.97609174
ENSG00000167196	15	FBXO22	76196200	rs4886747	15	76151081	A	G	0.802187	0.00937049	0.0103566	0.365579	0.414253	0.0756792	4.40E-08	0.0226202	0.0253399	0.372033	0.8932169	3	0.81739875
ENSG00000169752	15	NRG4	76228310	rs2959852	15	76351704	G	C	0.82008	0.0076321	0.0106331	0.472902	1.08843	0.092174	3.53E-32	0.00701203	0.00978724	0.4737161	0.5831338	19	0.85935571
ENSG00000140368	15	PSTPIP1	77285700	rs61483316	15	77834147	T	C	0.327038	0.0045814	0.00873117	0.59978	0.320914	0.0578015	2.82E-08	0.0142761	0.0273284	0.6013989	0.1795004	5	0.89572075
ENSG00000173517	15	PEAK1	77400471	rs7176875	15	77832675	A	G	0.375746	-0.0114188	0.0082542	0.166545	0.336532	0.0476876	1.70E-12	-0.0339308	0.0249941	0.1746051	0.09011489	20	0.68257826
ENSG00000260776	15	RP11-114H24.2	78206559	rs62008593	15	78234461	A	G	0.484095	0.00414169	0.00814108	0.610935	0.959221	0.0851901	2.07E-29	0.00431776	0.00849584	0.6112983	0.2620853	20	0.89918729
ENSG00000136425	15	CIB2	78396948	rs11547207	15	78423596	C	A	0.252485	-0.0012041	0.0091425	0.895219	0.686267	0.0701613	1.35E-22	-0.0017546	0.0133233	0.8952282	0.2847681	11	0.97900309
ENSG00000259562	15	RP11-762H8.2	78582869	rs8032417	15	78569930	G	A	0.274354	0.00761982	0.00894446	0.394268	0.595548	0.0915804	7.87E-11	0.0127946	0.0151472	0.3982858	0.9589851	9	0.82273105
ENSG00000166426	15	CRABP1	78632666	rs1127472	15	78632830	G	C	0.632207	0.00869037	0.00846618	0.304665	0.524597	0.0959201	4.52E-08	0.0165658	0.0164202	0.3130394	0.4532151	5	0.78298316
ENSG00000169684	15	CHRNA5	78857862	rs4887062	15	78837801	A	G	0.619284	-0.0059848	0.00824885	0.468123	-0.893749	0.0795365	2.68E-29	0.00669633	0.00924871	0.4690481	0.6289558	20	0.85681817
ENSG00000103811	15	CTSH	79213400	rs62013199	15	79229644	G	A	0.101392	-0.014343	0.0120083	0.232312	0.499214	0.0742902	1.82E-11	-0.0287312	0.0244314	0.2395984	0.4102999	7	0.73450129
ENSG00000136371	15	MTHFS	80125927	rs7177659	15	80158042	C	A	0.522863	0.00177066	0.00807285	0.826389	-0.301714	0.0510656	3.46E-09	-0.0058687	0.0267751	0.8265066	0.4709506	6	0.96459043
ENSG00000180953	15	ST20	80191182	rs8024713	15	80206958	G	C	0.366799	0.00445421	0.00811026	0.582864	-0.891744	0.0962693	1.99E-20	-0.0049949	0.0091108	0.5835244	0.6033499	13	0.89127357
ENSG00000259495	15	RP11-210M15.2	80637195	rs3743408	15	80690335	T	C	0.150099	-0.0005613	0.0103554	0.956777	-0.88169	0.0866111	2.44E-24	0.00063657	0.0117451	0.9567769	0.6034079	12	0.98751784
ENSG00000117899	15	MESDC2	81239667	rs74028151	15	81280534	C	T	0.139165	0.00490096	0.0148972	0.742166	0.463653	0.0833189	2.62E-08	0.0105703	0.0321862	0.7426002	0.2581008	4	0.93615239
ENSG00000188659	15	FAM154B	82555151	rs113413540	15	82581577	G	A	0.0337972	-0.0098845	0.0178084	0.578862	1.43924	0.178423	7.24E-16	-0.0068679	0.0124027	0.5797584	0.7581945	16	0.89127357
ENSG00000197978	15	GOLGA6L9	82722223	rs202209146	15	83040687	C	G	0.478131	-0.0050558	0.00863691	0.558295	-0.571503	0.0788864	4.34E-13	0.00884657	0.0151619	0.559574	0.5575344	20	0.88985465
ENSG00000255769	15	RP11-152F13.3	82765134	rs12439619	15	82546946	G	T	0.307157	-0.0016398	0.00895693	0.854738	-0.553302	0.0955261	6.95E-09	0.00296368	0.0161962	0.8548091	0.2938577	4	0.97447565
ENSG00000259429	15	UBE2Q2P3	83023847	rs8025353	15	82581805	A	G	0.333996	-0.0003171	0.00834708	0.969696	0.511524	0.0913679	2.16E-08	-0.0006199	0.0163184	0.9696965	0.4722309	8	0.98951095
ENSG00000182774	15	RPS17L	83205504	rs698500	15	83237769	C	T	0.418489	0.00406203	0.00811267	0.616581	-0.216687	0.0334089	8.82E-11	-0.0187461	0.037551	0.6176268	0.3595054	13	0.90088656
ENSG00000169609	15	C15orf40	83657193	rs1037403	15	83664191	G	C	0.481113	-0.0102745	0.00806234	0.202527	-0.794987	0.0713947	8.47E-29	0.0129241	0.0102077	0.2054712	0.6553271	20	0.70391756
ENSG00000064726	15	BTBD1	83685174	rs4843071	15	83789908	C	T	0.911531	-0.0071065	0.0157462	0.651763	-0.459307	0.0807877	1.31E-08	0.0154721	0.0343904	0.6527844	0.6437646	18	0.91384759
ENSG00000259511	15	RP11-182J1.16	84841242	rs62028145	15	84944192	G	C	0.483101	0.00988261	0.00804981	0.219566	0.758416	0.120117	2.72E-10	0.0130306	0.0108128	0.2281596	0.04024256	5	0.73006035
ENSG00000225151	15	AC103965.1	84867600	rs12902973	15	85105982	C	G	0.2833	-0.019552	0.00893224	0.0286022	-0.715586	0.100545	1.10E-12	0.0273231	0.0130594	0.03642006	0.2299692	20	0.48016086
ENSG00000184206	15	GOLGA6L4	84904525	rs62029643	15	85062472	A	G	0.177932	0.0071849	0.0103427	0.487252	0.921576	0.126111	2.72E-13	0.00779632	0.0112734	0.4892103	0.1794725	15	0.86791667
ENSG00000235370	15	DNM1P51	84953014	rs62028145	15	84944192	G	C	0.483101	0.00988261	0.00804981	0.219566	-0.463875	0.0695069	2.49E-11	-0.0213045	0.0176446	0.2272693	0.5902467	20	0.72918947
ENSG00000230373	15	GOLGA6L5	85051116	rs2879974	15	85112461	A	C	0.764414	-0.0065364	0.00962903	0.497251	-0.645278	0.0855087	4.48E-14	0.0101296	0.0149825	0.4989826	0.572088	15	0.8682043
ENSG00000176700	15	SCAND2P	85174682	rs72630464	15	85298126	A	G	0.140159	0.00266709	0.0110756	0.809705	0.626773	0.0811669	1.14E-14	0.00425527	0.0176794	0.8097948	0.3460646	20	0.96094766
ENSG00000259295	15	CSPG4P12	85734669	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.818094	0.0932072	1.68E-18	0.0025311	0.00997084	0.799611	0.8986575	20	0.95632975
ENSG00000229212	15	RP11-561C5.4	85747141	rs6496801	15	85728399	A	G	0.567594	-0.0020707	0.00815367	0.799529	-0.77136	0.100153	1.34E-14	0.00268445	0.0105763	0.7996355	0.7627136	15	0.95632975
ENSG00000170776	15	AKAP13	85923802	rs338526	15	86261840	T	C	0.702783	0.00295537	0.00860675	0.731314	-0.432624	0.0648487	2.54E-11	-0.0068313	0.0199206	0.7316555	0.4901675	17	0.93606022
ENSG00000259407	15	RP11-158M2.3	86287340	rs62025262	15	86293233	A	G	0.205765	0.00351071	0.0100395	0.726571	-0.571827	0.103588	3.39E-08	-0.0061395	0.0175921	0.7270967	0.7585569	8	0.93570456
ENSG00000259416	15	RP11-158M2.5	86298172	rs56388190	15	86314896	G	C	0.199801	0.00322589	0.0100609	0.748485	-0.605376	0.097503	5.34E-10	-0.0053287	0.0166414	0.7488094	0.9482599	20	0.93730503
ENSG00000181026	15	AEN	89164527	rs12908122	15	89155270	G	A	0.280318	-0.0091122	0.00892066	0.307034	-0.52088	0.0804681	9.60E-11	0.0174938	0.0173381	0.3129839	0.7025457	6	0.78298316
ENSG00000140511	15	HAPLN3	89420519	rs118061445	15	89428889	A	G	0.132207	0.0247459	0.0144744	0.0873333	-0.711082	0.0997112	9.93E-13	-0.0348003	0.0209322	0.09640745	0.2861845	7	0.62977339
ENSG00000261478	15	RP11-429B14.4	90052192	rs12101521	15	90043983	G	A	0.345924	0.0019938	0.008381	0.811962	0.744918	0.0714599	1.92E-25	0.00267654	0.0112538	0.8120104	0.9523518	18	0.96203978
ENSG00000157823	15	AP3S2	90373831	rs2165069	15	90407119	T	C	0.743539	0.0133056	0.00929156	0.152141	-0.55431	0.0694879	1.50E-15	-0.0240039	0.0170303	0.1586937	0.3826909	5	0.67619452
ENSG00000185043	15	CIB1	90773207	rs3935948	15	90778781	C	G	0.250497	-0.0018398	0.00938869	0.844641	0.254843	0.0381326	2.34E-11	-0.0072194	0.0368569	0.8447072	0.5571694	8	0.9729333
ENSG00000183208	15	GDPGP1	90777040	rs11629778	15	90796772	C	T	0.444334	-0.0058404	0.00830486	0.481897	0.326405	0.0588046	2.85E-08	-0.0178932	0.0256468	0.4853784	0.903852	10	0.86791667
ENSG00000140575	15	IQGAP1	90931450	rs16944424	15	90983465	G	A	0.17495	-0.0124461	0.0101313	0.219267	0.415306	0.0502093	1.32E-16	-0.0299685	0.0246624	0.2243084	0.02772902	20	0.72423509
ENSG00000166965	15	RCCD1	91498100	rs3826033	15	91548601	A	G	0.138171	0.00349931	0.0112857	0.756511	0.697079	0.0717005	2.43E-22	0.00501996	0.0161982	0.7566307	0.416286	20	0.93994618
ENSG00000260361	15	CTD-2313J17.5	93322987	rs12593373	15	93324046	A	G	0.329026	0.0049259	0.0084585	0.560324	0.688304	0.107765	1.69E-10	0.00715658	0.0123399	0.5619448	0.9963092	7	0.89020654
ENSG00000103852	15	TTC23	99676528	rs1567418	15	99829531	G	A	0.476143	0.00195906	0.00811753	0.809294	-0.283921	0.0371872	2.26E-14	-0.0069	0.0286051	0.8093873	0.1673959	20	0.9608574
ENSG00000183060	15	LYSMD4	100255902	rs35747287	15	100273607	C	G	0.682903	-0.0006434	0.00862168	0.940509	-0.685198	0.0647841	3.82E-26	0.00093906	0.0125831	0.9405101	0.3906769	20	0.98751784
ENSG00000182397	15	DNM1P46	100330361	rs9972364	15	100350667	C	T	0.406561	0.00409602	0.0081982	0.617339	-0.503622	0.0790789	1.91E-10	-0.0081331	0.0163285	0.6184179	0.4392956	11	0.90135419
ENSG00000259363	15	CTD-2054N24.2	100347228	rs1963944	15	100342212	C	T	0.531809	0.00740861	0.00816853	0.364423	-0.806108	0.0977293	1.61E-16	-0.0091906	0.0101944	0.3673033	0.9136343	20	0.81680835
ENSG00000270127	15	RP11-526I2.5	101087972	rs12904576	15	101094127	C	T	0.427435	-0.0029202	0.0081189	0.719088	-0.847578	0.074647	7.05E-30	0.00344533	0.00958375	0.7192228	0.1278039	20	0.93305022
ENSG00000259205	15	PRKXP1	101093734	rs28729874	15	101100242	G	A	0.297217	0.00818916	0.0089501	0.360203	-0.933385	0.0990074	4.20E-21	-0.0087736	0.00963392	0.3624532	0.08554446	18	0.81680835
ENSG00000259755	15	RP11-505E24.2	101590937	rs17161174	15	101625651	G	A	0.154076	-0.0088226	0.01106	0.425044	0.699497	0.0976894	8.04E-13	-0.0126128	0.0159092	0.4278955	0.9447163	9	0.84621731
ENSG00000185596	15	WASH3P	102501356	rs2203348	15	102366849	A	G	0.759443	0.0197164	0.00914337	0.0310556	-0.593797	0.100176	3.07E-09	-0.0332039	0.0163854	0.0427201	0.6580478	5	0.50441198
ENSG00000231439	16	WASIR2	72910	rs2562131	16	83887	A	C	0.238569	-0.004956	0.0105609	0.638875	-1.03796	0.0883108	6.78E-32	0.00477471	0.0101828	0.6391405	0.5812008	13	0.91019594
ENSG00000161981	16	SNRNP25	103010	rs10266	16	107162	G	C	0.124254	-0.0041273	0.0174353	0.812876	-0.397819	0.0646911	7.77E-10	0.0103747	0.0438597	0.8130115	0.499617	9	0.96204877
ENSG00000103148	16	NPRL3	134273	rs2562191	16	178543	A	G	0.382704	0.00270923	0.00818324	0.740592	-0.593341	0.0672078	1.06E-18	-0.0045661	0.0138015	0.7407668	0.7551558	14	0.93606022
ENSG00000268836	16	LA16c-OS12.2	235747	rs3859140	16	234710	C	T	0.472167	0.0129844	0.00808651	0.108343	0.769743	0.0861042	3.90E-19	0.0168685	0.0106736	0.1140162	0.7670643	20	0.64557219
ENSG00000086504	16	MRPL28	417384	rs1984409	16	420723	G	T	0.524851	0.0172371	0.00809602	0.0332476	-0.214081	0.0337749	2.32E-10	-0.0805167	0.039894	0.04356349	0.07253573	16	0.50858212
ENSG00000242612	16	DECR2	451826	rs3743890	16	456416	G	T	0.531809	-0.0119872	0.00811066	0.139419	-0.393327	0.0674876	5.60E-09	0.0304764	0.0212734	0.1519693	0.05444723	10	0.66349247
ENSG00000007541	16	PIGQ	616995	rs2269560	16	682442	C	A	0.435388	0.0210429	0.00806275	0.00905712	-0.357051	0.0411494	4.07E-18	-0.0589353	0.0235809	0.01244452	0.2424322	17	0.34722554
ENSG00000127578	16	WFIKKN1	679239	rs35915772	16	679274	A	G	0.254473	0.0232637	0.00860796	0.0068805	0.864768	0.0761855	7.35E-30	0.0269017	0.0102323	0.00856146	0.2342588	20	0.29082583
ENSG00000161999	16	JMJD8	731671	rs9932631	16	741837	A	G	0.153082	0.0154033	0.0125166	0.218464	0.475161	0.0756853	3.43E-10	0.032417	0.0268431	0.2271829	0.4333016	12	0.72918947
ENSG00000162004	16	CCDC78	772582	rs11540049	16	771286	T	C	0.455268	0.00481412	0.00817699	0.556036	-0.392681	0.0547723	7.54E-13	-0.0122596	0.0208936	0.5573617	0.7587225	6	0.8881112
ENSG00000103245	16	NARFL	779753	rs12051245	16	783865	C	T	0.266402	0.00500546	0.0085171	0.556737	0.369129	0.0536907	6.19E-12	0.0135602	0.0231577	0.5581713	0.4943703	12	0.8881112
ENSG00000162006	16	MSLNL	819428	rs9746539	16	820143	C	T	0.196819	-0.0161679	0.00983283	0.100119	-0.609106	0.0818941	1.02E-13	0.0265437	0.0165328	0.1083811	0.9675119	20	0.63551762
ENSG00000103227	16	LMF1	903634	rs3809674	16	1030002	A	G	0.183897	-0.0196593	0.0127001	0.121631	0.633588	0.0714007	7.08E-19	-0.0310285	0.0203474	0.1272752	0.2152339	20	0.661238
ENSG00000260316	16	LA16c-306A4.2	950520	rs12448994	16	989381	T	C	0.159046	0.00119974	0.0118334	0.919244	-0.494896	0.0897996	3.57E-08	-0.0024242	0.0239149	0.9192577	0.1744367	8	0.9811959
ENSG00000260807	16	RP11-161M6.2	1025761	rs12932842	16	1033116	G	C	0.135189	-0.0143144	0.0151156	0.343639	-0.637335	0.0731573	2.99E-18	0.0224598	0.0238566	0.3464746	0.4346972	20	0.80555318
ENSG00000197253	16	TPSB2	1277272	rs9927989	16	1297145	C	A	0.736581	0.00599158	0.00978719	0.540415	-1.01052	0.111572	1.34E-19	-0.0059292	0.0097074	0.5413371	0.7826818	15	0.8813815
ENSG00000095917	16	TPSD1	1306060	rs3874639	16	1294822	G	A	0.511928	0.00219776	0.00841389	0.793933	0.786577	0.0862467	7.51E-20	0.00279408	0.0107012	0.7940161	0.6880106	15	0.95536852
ENSG00000260182	16	RP11-616M22.5	1307340	rs2745084	16	1294025	G	A	0.513917	0.00219709	0.00841346	0.793984	0.741225	0.0887687	6.82E-17	0.00296413	0.0113563	0.794083	0.7609695	14	0.95536852
ENSG00000007516	16	BAIAP3	1383602	rs7185635	16	1383327	A	G	0.44831	0.00608973	0.00807172	0.450578	0.279539	0.0453284	6.96E-10	0.0217849	0.0290904	0.4539359	0.9627227	11	0.85681817
ENSG00000197599	16	CCDC154	1484384	rs4984837	16	1481865	G	C	0.890656	-0.0187417	0.0156759	0.231861	-1.0371	0.104359	2.85E-23	0.0180713	0.0152241	0.2352218	0.2025694	20	0.73402368
ENSG00000100726	16	TELO2	1543345	rs2745107	16	1542406	C	T	0.38668	0.00974579	0.00809582	0.228665	-0.461519	0.054407	2.20E-17	-0.0211168	0.0177174	0.2333148	0.60342	10	0.7327307
ENSG00000095906	16	NUBP2	1832902	rs11540961	16	1838703	A	G	0.0715706	0.0415043	0.0182235	0.0227557	0.508575	0.0790825	1.27E-10	0.081609	0.0380132	0.03180446	0.2710308	10	0.45644124
ENSG00000063854	16	HAGH	1845621	rs113041534	16	1856368	C	G	0.132207	-0.0141931	0.0112134	0.205609	0.450016	0.0452401	2.59E-23	-0.0315391	0.0251187	0.20926	0.2668537	20	0.70391756
ENSG00000180185	16	FAHD1	1876968	rs10903011	16	1894005	G	T	0.180915	-0.0006848	0.00929307	0.941258	0.861127	0.0738053	1.87E-31	-0.0007952	0.010792	0.9412589	0.4717873	20	0.98751784
ENSG00000255513	16	AC005363.9	2013746	rs72764893	16	2013756	C	T	0.130219	-0.0005729	0.0118637	0.961482	0.988271	0.116747	2.56E-17	-0.0005797	0.0120047	0.9614828	0.4408848	8	0.98751784
ENSG00000255198	16	SNHG9	2014960	rs2302177	16	2014979	T	G	0.549702	-0.0014375	0.00806743	0.858578	0.312231	0.0522741	2.33E-09	-0.004604	0.0258495	0.8586394	0.7619273	4	0.97475956
ENSG00000167965	16	MLST8	2254249	rs3160	16	2259191	C	T	0.449304	-0.0054342	0.00809891	0.502232	0.331134	0.0464286	9.88E-13	-0.016411	0.0245661	0.5041125	0.1061448	12	0.87138801
ENSG00000205937	16	RNPS1	2303117	rs11642797	16	2317778	G	T	0.407555	-0.0125407	0.00824143	0.128093	-0.172415	0.0287354	1.97E-09	0.0727355	0.0493132	0.1402201	0.4941145	5	0.66222016
ENSG00000260778	16	MIR940	2318156	rs12386039	16	2321036	G	A	0.403579	-0.011406	0.00822951	0.165751	0.464499	0.0604476	1.54E-14	-0.0245555	0.0180028	0.1725742	0.5078727	7	0.68081994
ENSG00000261613	16	RP11-20I23.13	2604061	rs4785898	16	2716142	A	G	0.260437	0.00710618	0.00917356	0.438554	1.30927	0.114055	1.68E-30	0.00542759	0.00702256	0.4395938	0.3319311	12	0.8522258
ENSG00000269937	16	RP11-20I23.8	2611472	rs11646366	16	2711822	G	A	0.144135	0.00501706	0.01447	0.728801	0.766986	0.138148	2.83E-08	0.00654127	0.0189028	0.7293071	0.8439747	7	0.93606022
ENSG00000215154	16	AC141586.5	2653351	rs4786310	16	2710942	C	T	0.392644	0.00775956	0.00846648	0.359403	0.444953	0.0748385	2.76E-09	0.0174391	0.0192526	0.3650392	0.7156226	6	0.81680835
ENSG00000205918	16	PDPK2	2666122	rs4238839	16	2706036	C	T	0.406561	0.00729092	0.00846105	0.388851	-0.584317	0.101176	7.68E-09	-0.0124777	0.0146405	0.3940646	0.9159031	3	0.82273105
ENSG00000260176	16	CTD-3126B10.4	2694085	rs4786313	16	2711865	T	C	0.404573	0.00783769	0.00846943	0.354753	-0.825623	0.0969375	1.64E-17	-0.0094931	0.0103186	0.3575755	0.2963726	7	0.81588218
ENSG00000260565	16	ERVK13-1	2710350	rs11642790	16	2725094	G	C	0.413519	0.00782442	0.00846901	0.355545	-0.890432	0.0667857	1.49E-40	-0.0087872	0.00953393	0.3566965	0.4511889	13	0.81588218
ENSG00000172460	16	PRSS30P	2889569	rs17659759	16	2892961	G	A	0.297217	0.00549928	0.00954634	0.564574	-0.612332	0.102601	2.40E-09	-0.0089809	0.0156626	0.5663761	0.4725363	4	0.89127357
ENSG00000263280	16	LA16c-325D7.2	2916349	rs886287	16	2916791	C	G	0.409543	0.00287241	0.00858827	0.738035	0.661656	0.0786029	3.84E-17	0.00434124	0.0129902	0.7382334	0.4831378	13	0.93606022
ENSG00000059122	16	FLYWCH1	2961938	rs9928222	16	2986323	C	T	0.49503	0.00821077	0.00819323	0.316276	0.929902	0.0679447	1.23E-42	0.00882972	0.00883444	0.3175695	0.4501789	20	0.78475979
ENSG00000127564	16	PKMYT1	3018025	rs2526269	16	3056584	T	G	0.632207	-0.0092705	0.00828492	0.263158	0.59228	0.0965107	8.41E-10	-0.0156522	0.0142188	0.270979	0.7209162	20	0.75500572
ENSG00000272079	16	LA16c-380H5.5	3056121	rs2717706	16	3056462	A	T	0.612326	-0.0111437	0.00821263	0.174814	1.03528	0.0795923	1.11E-38	-0.0107639	0.00797581	0.1771525	0.5467487	20	0.68288197
ENSG00000213937	16	CLDN9	3062457	rs2526272	16	3053912	T	G	0.626243	-0.0074388	0.00821996	0.365482	0.443723	0.0578802	1.77E-14	-0.0167645	0.0186536	0.3687971	0.2936768	12	0.81680835
ENSG00000162069	16	CCDC64B	3077683	rs112166693	16	3087380	A	C	0.349901	0.010215	0.00849442	0.229149	0.315446	0.0542021	5.89E-09	0.0323827	0.0274971	0.2389259	0.8577479	4	0.73450129
ENSG00000008517	16	IL32	3115298	rs45499297	16	3115272	C	T	0.112326	0.00804293	0.0190773	0.673319	-0.60824	0.102798	3.28E-09	-0.0132233	0.0314443	0.6740978	0.9946628	4	0.92006098
ENSG00000263072	16	RP11-473M20.14	3166043	rs1053871	16	3181963	C	T	0.374751	0.0155342	0.00852027	0.0682732	0.787164	0.0717904	5.65E-28	0.0197344	0.0109726	0.07209599	0.1983692	20	0.58381641
ENSG00000010539	16	ZNF200	3272325	rs8054015	16	3288829	G	A	0.588469	-0.0046068	0.00811379	0.570193	0.520007	0.0842278	6.67E-10	-0.008859	0.0156691	0.5718138	0.5462882	12	0.89127357
ENSG00000103351	16	CLUAP1	3550924	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	0.880826	0.102069	6.15E-18	0.0210827	0.0160854	0.1899689	0.0003488	20	0.69088256
ENSG00000167984	16	NLRC3	3589033	rs12933120	16	3634746	A	C	0.138171	0.0185702	0.0140041	0.184822	-1.15909	0.135899	1.48E-17	-0.0160214	0.0122271	0.1900902	0.00019255	20	0.69088256
ENSG00000126602	16	TRAP1	3701640	rs4786429	16	3728517	T	C	0.715706	0.00050418	0.00957198	0.957993	0.405191	0.0634577	1.71E-10	0.00124429	0.0236242	0.9579946	0.01811257	6	0.98751784
ENSG00000262246	16	CORO7	4404543	rs4550451	16	4472609	C	T	0.751491	0.00276481	0.00918332	0.763361	0.436733	0.0570156	1.86E-14	0.00633066	0.0210435	0.7635393	0.506159	20	0.94111413
ENSG00000153406	16	NMRAL1	4511681	rs8053770	16	4539030	A	T	0.709742	0.00121208	0.00925035	0.895751	-0.410179	0.0465321	1.20E-18	-0.002955	0.0225545	0.8957625	0.2679538	18	0.97900309
ENSG00000102858	16	MGRN1	4666494	rs1045518	16	4740441	C	G	0.555666	0.00470808	0.00814237	0.563116	0.60204	0.054781	4.27E-28	0.00782021	0.0135433	0.563655	0.07685242	20	0.89096829
ENSG00000103199	16	ZNF500	4798240	rs9673738	16	4809008	T	C	0.597416	0.0154717	0.00825914	0.0610295	-0.407079	0.0679796	2.12E-09	-0.0380066	0.0212584	0.07380114	0.1951162	20	0.58550756
ENSG00000140623	16	12-Sep	4827670	rs1982515	16	4847524	C	T	0.501988	0.00395813	0.0081379	0.626696	0.838709	0.0872075	6.75E-22	0.00471931	0.00971529	0.6271363	0.0845079	20	0.90357159
ENSG00000267795	16	SMIM22	4838398	rs3827528	16	4853092	C	T	0.417495	0.00114422	0.0082951	0.890288	0.565789	0.0987878	1.02E-08	0.00202234	0.0146654	0.89032	0.03899776	13	0.97766579
ENSG00000267077	16	RP11-127I20.5	4845266	rs62036088	16	4846336	A	G	0.282306	-0.0207835	0.0101667	0.040928	0.94693	0.109857	6.72E-18	-0.0219483	0.0110343	0.04669053	0.01223627	20	0.51860478
ENSG00000103174	16	NAGPA	5074845	rs62036223	16	5089193	T	C	0.552684	0.0179077	0.00825913	0.0301405	-0.243068	0.0421525	8.10E-09	-0.0736736	0.0363013	0.04240719	0.06115234	6	0.50441198

ENSG00000067365	16	METTL22	8715540	rs1620091	16	8755147	T	C	0.120278	0.00905983	0.016298	0.578288	-0.81538	0.0899029	1.19E-19	-0.0111112	0.0200257	0.5790008	0.557256	20	0.89127357
ENSG00000260276	16	RP11-77H9.2	8941962	rs11647985	16	8949455	A	T	0.493042	-0.009529	0.00806904	0.237629	-0.543768	0.0961829	1.57E-08	0.017524	0.0151594	0.2476886	0.2906801	8	0.73450129
ENSG00000261810	16	RP11-895K13.2	10127541	rs2650427	16	10114558	C	T	0.61332	0.0140377	0.00817204	0.0858381	0.696257	0.0920664	3.95E-14	0.0201617	0.0120361	0.093914	0.2283833	17	0.62876833
ENSG00000175643	16	RMI2	11343476	rs12149160	16	11439303	T	G	0.519881	-0.0031603	0.00813255	0.697572	-0.927295	0.0759698	2.88E-34	0.0034081	0.00877463	0.6977176	0.0615442	20	0.92737562
ENSG00000234719	16	RP11-166B2.1	12021230	rs393329	16	12070422	C	T	0.580517	-0.005511	0.00807327	0.494846	-1.21465	0.0883001	4.69E-43	0.0045371	0.00665476	0.4953763	0.04987354	20	0.86791667
ENSG00000183426	16	NPIPA1	15016659	rs78127107	16	15279867	T	C	0.562624	-0.0125511	0.00830393	0.130669	-0.537276	0.0851421	2.78E-10	0.0233606	0.0158928	0.1415919	0.2723341	8	0.66222016
ENSG00000260735	16	RP11-72I8.1	15188268	rs200674936	16	15265656	A	G	0.684891	-0.0048637	0.00895997	0.587253	-0.6416	0.0862576	1.02E-13	0.00758053	0.0140022	0.588244	0.03428506	20	0.8942393
ENSG00000188599	16	NPIPP1	15198178	rs2665222	16	15255251	T	C	0.152087	0.0335247	0.01227	0.00629014	0.459942	0.0746481	7.21E-10	0.072889	0.0291825	0.01250053	0.00590984	9	0.34722554
ENSG00000183793	16	NPIPA5	15457516	rs78127107	16	15279867	T	C	0.562624	-0.0125511	0.00830393	0.130669	0.930956	0.0982978	2.78E-21	-0.0134819	0.00903267	0.135548	0.3451808	20	0.66222016
ENSG00000072864	16	NDE1	15737124	rs55871015	16	15810211	A	G	0.294235	-0.0004519	0.00884349	0.959249	-0.333598	0.0369146	1.61E-19	0.00135451	0.0265098	0.95925	0.3837959	20	0.98751784
ENSG00000263335	16	AF001548.5	15820531	rs12596141	16	15821246	T	C	0.28827	0.00154601	0.00919485	0.866474	0.724649	0.0673296	5.16E-27	0.00213346	0.0126902	0.8664903	0.3244323	20	0.97475956
ENSG00000103226	16	NOMO3	16326352	rs144648477	16	16326171	A	G	0.210736	0.0159086	0.0108158	0.141328	-0.985823	0.0958748	8.46E-25	-0.0161374	0.011083	0.1453802	0.993758	12	0.66222016
ENSG00000227827	16	RP11-958N24.2	16450081	rs406751	16	16361275	A	G	0.214712	0.0138754	0.012481	0.266259	0.95383	0.125669	3.20E-14	0.014547	0.0132248	0.2713386	0.508137	8	0.75500572
ENSG00000103544	16	C16orf62	19566562	rs112132917	16	19657776	T	C	0.262425	-0.0262629	0.00854402	0.00211325	-0.495995	0.0683895	4.09E-13	0.0529499	0.0187093	0.00465285	0.810548	15	0.29082583
ENSG00000103550	16	KNOP1	19714902	rs55996374	16	19724020	G	A	0.16004	0.0277878	0.0114991	0.0156693	1.04845	0.08969	1.44E-31	0.0265037	0.0111996	0.01795796	0.1011529	20	0.38205274
ENSG00000261195	16	CTD-2380F24.1	19772494	rs2047889	16	19777705	A	C	0.16004	0.0211608	0.0115078	0.0659417	-0.682591	0.0732924	1.24E-20	-0.0310007	0.0171845	0.07123196	0.04580353	20	0.5804276
ENSG00000066654	16	THUMPD1	20744986	rs9930741	16	20695486	T	C	0.578529	0.00995176	0.00816198	0.222737	0.315289	0.0537643	4.51E-09	0.0315639	0.0264409	0.2325746	0.1954082	9	0.7327307
ENSG00000260306	16	RP11-645C24.5	21805416	rs4783352	16	21822469	G	A	0.199801	-0.0374486	0.00908361	3.75E-05	-0.858036	0.0998777	8.63E-18	0.0436446	0.0117424	0.00020174	0.0451692	17	0.18710479
ENSG00000261090	16	RP11-20G6.2	23031658	rs7500029	16	23045609	C	T	0.602386	-0.0075083	0.00824432	0.362444	0.56569	0.0867823	7.10E-11	-0.0132727	0.0147155	0.3670794	0.06054099	20	0.81680835
ENSG00000103356	16	EARS2	23533335	rs9924663	16	23564198	C	T	0.849901	0.0100712	0.0098025	0.304229	0.744943	0.0776014	8.02E-22	0.0135194	0.0132339	0.3069811	0.08325287	20	0.77791801
ENSG00000259954	16	IL21R-AS1	27458990	rs2097692	16	27593587	A	T	0.841948	-0.0377699	0.0122808	0.00210136	1.11354	0.0906243	1.06E-34	-0.0339188	0.0113688	0.00284984	0.06025154	20	0.24408023
ENSG00000233232	16	NPIPB7	28467693	rs112366001	16	28561785	A	T	0.316103	-0.0097481	0.00813209	0.230636	-0.568929	0.0955944	2.66E-09	0.0171341	0.0145807	0.2399463	0.8973464	16	0.73450129
ENSG00000197165	16	SULT1A2	28603264	rs56169261	16	28619178	A	G	0.296223	-0.0105774	0.00820159	0.197162	0.714993	0.103565	5.06E-12	-0.0147937	0.0116693	0.2048885	0.8938697	20	0.70391756
ENSG00000196993	16	NPIPB9	28763108	rs12446008	16	28644459	T	C	0.238569	-0.0064091	0.00898062	0.475441	-0.679591	0.118763	1.05E-08	0.00943075	0.0133171	0.4788414	0.7321958	9	0.86167673
ENSG00000178952	16	TUFM	28853732	rs8049439	16	28837515	C	T	0.343936	-0.0100184	0.008127	0.217678	0.268522	0.0478068	1.95E-08	-0.0373094	0.030986	0.2285615	0.9845533	7	0.73054001
ENSG00000103472	16	RRN3P2	29086163	rs2253253	16	29128185	G	A	0.328032	0.00686015	0.00811242	0.397756	0.416607	0.0719127	6.90E-09	0.0164667	0.019679	0.4027231	0.8208048	15	0.8240298
ENSG00000260953	16	RP11-426C22.6	29273594	rs28635424	16	29278498	A	G	0.377734	0.00389159	0.00834223	0.640863	-0.708302	0.0879832	8.25E-16	-0.0054943	0.0117975	0.641422	0.3533393	8	0.91019594
ENSG00000183336	16	BOLA2	29464914	rs7404371	16	30340870	T	C	0.44334	-0.0074462	0.00815455	0.361173	-0.535097	0.0713026	6.16E-14	0.0139156	0.0153518	0.3646989	0.1154108	11	0.81680835
ENSG00000103485	16	QPRT	29674600	rs9933310	16	29690904	G	A	0.39165	0.0138543	0.00815579	0.0893738	-0.499483	0.0649295	1.44E-14	-0.0277373	0.0167218	0.0971668	0.4693374	5	0.62977339
ENSG00000214725	16	CDIPT-AS1	29874914	rs747973	16	29875241	G	A	0.27833	-0.01041	0.00887794	0.240968	-0.603916	0.0902968	2.26E-11	0.0172375	0.0149248	0.2481095	0.4222428	8	0.73450129
ENSG00000149922	16	TBX6	30097114	rs3809627	16	30103160	A	C	0.416501	0.0231229	0.00805391	0.00409157	-0.442947	0.0654024	1.26E-11	-0.0522024	0.0197488	0.00820981	0.467262	5	0.29082583
ENSG00000102886	16	GDPD3	30116131	rs148788997	16	30323168	C	G	0.115308	-0.0083012	0.0129279	0.5208	-0.504441	0.0902766	2.30E-08	0.0164562	0.0257968	0.5235283	0.0189422	5	0.87779557
ENSG00000102882	16	MAPK3	30125426	rs55732507	16	30141985	C	T	0.437376	0.0225022	0.00814491	0.00573205	0.379945	0.052231	3.48E-13	0.0592249	0.0229311	0.00980209	0.1143059	19	0.31573618
ENSG00000180096	16	1-Sep	30389454	rs62055459	16	30398408	C	T	0.672962	0.00069825	0.00864899	0.935655	0.351995	0.0616009	1.10E-08	0.00198368	0.0245738	0.9356618	0.0124613	6	0.98743486
ENSG00000196118	16	C16orf93	30768744	rs3747486	16	30786927	T	C	0.277336	-0.0103679	0.00931918	0.265908	-0.344876	0.0535165	1.16E-10	0.0300627	0.0274216	0.2729405	0.1088166	4	0.75500572
ENSG00000103496	16	STX4	31044210	rs12445568	16	31004812	C	T	0.364811	-0.003414	0.00831507	0.681381	-0.287806	0.0473999	1.26E-09	0.0118622	0.0289572	0.682066	0.8097174	9	0.92288062
ENSG00000103510	16	KAT8	31127075	rs1549299	16	31154146	A	G	0.697813	0.00992255	0.00860795	0.249026	-0.396786	0.0605314	5.56E-11	-0.0250073	0.0220271	0.2562501	0.7100771	19	0.7399094
ENSG00000178226	16	PRSS36	31150246	rs1549299	16	31154146	A	G	0.697813	0.00992255	0.00860795	0.249026	-0.668195	0.0929443	6.52E-13	-0.0148498	0.0130469	0.2550448	0.6193019	4	0.73863624
ENSG00000177238	16	TRIM72	31225342	rs7186832	16	31230463	T	C	0.683897	-0.005332	0.00828843	0.520028	0.520804	0.0834998	4.46E-10	-0.0102379	0.0159991	0.5222331	0.7371559	3	0.87741473
ENSG00000197302	16	ZNF720	31724550	rs59943641	16	31860423	T	C	0.0864811	0.00903849	0.0122719	0.461415	-0.551322	0.0730883	4.58E-14	-0.0163942	0.0223649	0.4635381	0.3355587	8	0.85681817
ENSG00000171241	16	SHCBP1	46614466	rs698416	16	46738418	C	T	0.837972	0.0068078	0.010664	0.523221	0.659588	0.0963232	7.51E-12	0.0103213	0.0162378	0.5250146	0.4295669	11	0.87785114
ENSG00000155393	16	HEATR3	50099852	rs2287197	16	50106594	C	T	0.709742	0.00101991	0.00953666	0.914832	0.756468	0.0742074	2.11E-24	0.00134825	0.0126075	0.9148363	0.02181818	20	0.98076095
ENSG00000103479	16	RBL2	53467889	rs1072911	16	53499725	C	T	0.466203	0.00121661	0.0084037	0.884892	-0.406219	0.0388209	1.26E-25	-0.002995	0.0206896	0.8849028	0.6439804	20	0.97615419
ENSG00000166971	16	AKTIP	53524952	rs4002164	16	53525633	C	A	0.166998	0.0226174	0.0133605	0.0904836	-0.480378	0.0660904	3.64E-13	-0.0470825	0.0285568	0.09920305	0.07385211	12	0.63021019
ENSG00000103494	16	RPGRIP1L	53631595	rs11075984	16	53737000	G	A	0.323062	0.00461277	0.00985339	0.639683	0.280753	0.0386231	3.62E-13	0.01643	0.035169	0.6403764	0.9351996	20	0.91019594
ENSG00000245694	16	CRNDE	54952775	rs76923873	16	54929895	A	G	0.197813	0.00867344	0.00958338	0.365438	0.718196	0.107984	2.91E-11	0.0120767	0.0134667	0.3698335	0.7794768	11	0.81680835
ENSG00000087253	16	LPCAT2	55542910	rs2241148	16	55543647	A	G	0.539761	0.0109217	0.00806583	0.175712	0.332432	0.0507882	5.93E-11	0.0328539	0.0247768	0.1848417	0.9816656	18	0.6858201
ENSG00000198848	16	CES1	55836763	rs12149359	16	55866900	C	T	0.125249	-0.0082915	0.0109782	0.45009	0.851102	0.104683	4.28E-16	-0.009742	0.0129543	0.4520342	0.7502261	9	0.85658884
ENSG00000169715	16	MT1E	56659387	rs1610215	16	56659525	G	C	0.548708	-0.0160147	0.00812368	0.0486833	0.343458	0.0533387	1.20E-10	-0.0466278	0.0247362	0.05942985	0.4376539	4	0.56175527
ENSG00000102900	16	NUP93	56764017	rs12933363	16	56894104	C	T	0.303181	-0.0088161	0.00859971	0.305289	0.284162	0.03854	1.67E-13	-0.0310248	0.0305545	0.3099199	0.4360335	7	0.78156035
ENSG00000088682	16	COQ9	57481337	rs184401	16	57506801	T	C	0.748509	-0.0208939	0.00871845	0.0165516	-0.322499	0.0579733	2.65E-08	0.0647875	0.029436	0.02773872	0.190596	14	0.42318362
ENSG00000103021	16	CCDC113	58265061	rs56371652	16	58339245	G	A	0.126243	-0.0177073	0.0099572	0.0753477	-0.428409	0.0742146	7.81E-09	0.0413327	0.0243202	0.08922088	0.06875887	10	0.62325622
ENSG00000103023	16	PRSS54	58313901	rs2288012	16	58327646	G	A	0.777336	-0.0239055	0.0100985	0.0179217	-0.935685	0.142745	5.57E-11	0.0255487	0.0114749	0.02598125	0.1753549	11	0.42271621
ENSG00000261502	16	RP11-96H17.1	63090690	rs197172	16	63092217	T	G	0.176938	0.00374573	0.0103633	0.717768	-0.641254	0.0973826	4.55E-11	-0.0058413	0.0161853	0.7181753	0.9806136	18	0.93305022
ENSG00000246898	16	LINC00920	66442427	rs2289149	16	66442406	T	C	0.650099	-0.0146176	0.00839875	0.0817805	0.649673	0.0873551	1.03E-13	-0.0224999	0.0132769	0.09013934	0.1611046	8	0.62509594
ENSG00000141084	16	RANBP10	67757005	rs5923	16	67973953	A	G	0.0377734	-0.0292727	0.024512	0.232392	-0.618053	0.10562	4.87E-09	0.0473628	0.0404775	0.2419604	0.3487353	20	0.73450129
ENSG00000102904	16	TSNAXIP1	67840668	rs10468274	16	67922342	A	G	0.177932	0.0135246	0.0104776	0.19677	0.38069	0.0544333	2.68E-12	0.0355265	0.0279875	0.2043087	0.2350635	15	0.70391756
ENSG00000167264	16	DUS2	68021649	rs2166768	16	68406907	T	G	0.498012	0.00259521	0.00807879	0.748032	-0.463212	0.0754969	8.49E-10	-0.0056026	0.0174647	0.7483634	0.1353938	15	0.93730503
ENSG00000132600	16	PRMT7	68344877	rs1532211	16	68394307	A	G	0.49503	0.00254172	0.00807384	0.752906	-0.311397	0.0458955	1.16E-11	-0.0081623	0.0259557	0.7531633	0.04220426	20	0.93994618
ENSG00000184939	16	ZFP90	68563993	rs1728778	16	68628851	A	G	0.557654	0.00903641	0.00833211	0.278131	-0.368367	0.0573832	1.37E-10	-0.024531	0.0229396	0.2849009	0.2322264	18	0.76436273
ENSG00000141076	16	CIRH1A	69165194	rs79141311	16	69417047	T	C	0.0308151	0.0475852	0.0245356	0.0524493	-1.05421	0.118043	4.23E-19	-0.0451383	0.0238164	0.05805803	0.2783112	18	0.5596292
ENSG00000132612	16	VPS4A	69345259	rs11075714	16	69356695	G	A	0.28827	0.00374456	0.00912549	0.681557	0.375791	0.0531245	1.51E-12	0.00996447	0.0243242	0.6820612	0.1574169	9	0.92288062
ENSG00000157322	16	CLEC18A	69984810	rs1862664	16	70048383	C	A	0.397614	-0.0045533	0.00809757	0.573909	-0.949501	0.0980658	3.59E-22	0.00479547	0.00854261	0.5745531	0.08751757	20	0.89127357
ENSG00000226232	16	RP11-419C5.2	70010291	rs3874545	16	70024547	T	G	0.377734	-0.0004413	0.00845209	0.958363	-0.790527	0.0747952	4.14E-26	0.00055819	0.0106918	0.9583637	0.09316642	20	0.98751784
ENSG00000255185	16	PDXDC2P	70044654	rs62052494	16	70125270	T	C	0.408549	-0.0059512	0.00806957	0.460828	-0.575301	0.0611935	5.39E-21	0.0103445	0.0140698	0.4622022	0.02751367	20	0.85681817
ENSG00000261556	16	RP11-296I10.6	70253477	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.479871	0.0510411	5.37E-21	0.0503617	0.0179831	0.00510244	0.06603825	20	0.29082583
ENSG00000223496	16	EXOSC6	70284134	rs4985407	16	70285901	G	A	0.538767	-0.0241671	0.00823785	0.00334989	-0.615822	0.0548895	3.28E-29	0.0392436	0.0138268	0.00453631	0.02317608	20	0.29082583
ENSG00000102967	16	DHODH	72042487	rs7195958	16	72036577	G	A	0.491054	-0.0046513	0.00807793	0.564752	-0.391821	0.0605676	9.86E-11	0.0118709	0.0206979	0.5662859	0.00147677	18	0.89127357
ENSG00000261701	16	HPR	72088522	rs2000999	16	72108093	A	G	0.191849	0.008817	0.0102156	0.388089	1.06338	0.0959591	1.54E-28	0.00829149	0.00963582	0.3895213	0.03194239	20	0.82273105
ENSG00000168411	16	RFWD3	74655292	rs62051918	16	74613781	C	T	0.187873	-0.0042956	0.010818	0.691312	0.592345	0.097966	1.48E-09	-0.0072518	0.0183023	0.6919421	0.5960303	5	0.92403695
ENSG00000184517	16	ZFP1	75182390	rs12445784	16	75196208	G	A	0.0198807	0.0577172	0.0298824	0.0534244	-1.31221	0.156685	5.53E-17	-0.0439847	0.0233704	0.05982613	0.3986723	8	0.56175527
ENSG00000065457	16	ADAT1	75630879	rs74024804	16	75679181	T	A	0.202783	0.0173803	0.00978751	0.0757705	0.456162	0.0727088	3.52E-10	0.0381012	0.0222991	0.0875178	0.0415965	15	0.61929877
ENSG00000205078	16	SYCE1L	77233294	rs59418549	16	77244179	G	T	0.271372	-0.014877	0.00882003	0.0916558	0.897855	0.0875186	1.08E-24	-0.0165695	0.00995533	0.09603589	0.3817358	20	0.62977339
ENSG00000140873	16	ADAMTS18	77281710	rs1318021	16	77389088	A	T	0.590457	0.00177687	0.00806273	0.825574	-0.906648	0.098769	4.33E-20	-0.0019598	0.00889546	0.8256241	0.6021112	14	0.96394856
ENSG00000140876	16	NUDT7	77756411	rs11646710	16	77776651	C	T	0.570577	0.00380742	0.00834975	0.648396	0.49455	0.0857215	7.96E-09	0.00769876	0.0169362	0.6494154	0.8784013	12	0.91384759
ENSG00000261707	16	RP11-264M12.2	77775365	rs4523944	16	77777022	T	G	0.470179	0.00547904	0.00805358	0.4963	-0.850849	0.106562	1.41E-15	-0.0064395	0.00949964	0.4978558	0.6247535	10	0.86791667
ENSG00000261390	16	RP11-345M22.2	79750622	rs11642836	16	79753625	A	G	0.405567	0.0131196	0.00849012	0.12228	-0.710462	0.0862613	1.78E-16	-0.0184663	0.0121587	0.1288184	0.5757554	15	0.66222016
ENSG00000260213	16	RP11-303E16.3	81050397	rs2167890	16	81021920	C	G	0.823062	-0.0031427	0.00949147	0.740561	0.713939	0.0922196	9.81E-15	-0.004402	0.0133067	0.7407891	0.8319648	20	0.93606022
ENSG00000261061	16	RP11-303E16.2	81064375	rs3743503	16	81056441	G	T	0.126243	-0.010609	0.0105125	0.312892	-0.622318	0.106934	5.90E-09	0.0170476	0.0171446	0.3200574	0.1273556	8	0.78475979
ENSG00000260788	16	RP11-298D21.1	83754724	rs17700786	16	83805953	G	A	0.312127	-0.007281	0.00925685	0.431545	0.374875	0.0605156	5.84E-10	-0.0194224	0.0248914	0.4352227	0.1779648	8	0.85152661
ENSG00000166558	16	SLC38A8	84043272	rs9928085	16	84074978	T	C	0.228628	0.00527853	0.00926687	0.568941	-0.740744	0.0868784	1.51E-17	-0.007126	0.0125381	0.5698	0.06275426	20	0.89127357
ENSG00000103168	16	TAF1C	84211458	rs2278043	16	84213965	A	G	0.454274	0.00277071	0.00807893	0.731633	-0.572387	0.0563015	2.80E-24	-0.0048406	0.0141225	0.7317789	0.1930137	20	0.93606022
ENSG00000261286	16	RP11-517C16.2	84492865	rs57267064	16	84500050	T	G	0.149105	-0.0173381	0.0108858	0.111222	0.713373	0.10836	4.60E-11	-0.0243044	0.0156998	0.1216064	0.3592468	6	0.65227447
ENSG00000135686	16	KLHL36	84682131	rs72797510	16	84690467	T	C	0.348907	0.00311655	0.00924106	0.735929	-0.283451	0.0518157	4.49E-08	-0.010995	0.0326639	0.73641	0.542726	3	0.93606022
ENSG00000270020	16	RP11-463O9.9	86553989	rs74502137	16	86559940	C	T	0.602386	0.00253353	0.00846715	0.764772	-0.793353	0.0862001	3.46E-20	-0.0031935	0.0106783	0.7648937	0.3489646	20	0.94208871
ENSG00000104731	16	KLHDC4	87730091	rs55950332	16	87770469	A	G	0.457256	0.0100022	0.00829856	0.22809	0.442824	0.0522215	2.26E-17	0.0225873	0.0189284	0.2327521	0.1023667	20	0.7327307
ENSG00000174990	16	CA5A	87921625	rs12921873	16	87933057	T	C	0.201789	0.00299389	0.0110095	0.78567	0.546254	0.0940036	6.21E-09	0.00548077	0.0201766	0.7858991	0.2868173	16	0.95332026
ENSG00000205037	16	RP11-863P13.4	88121647	rs8045717	16	88121130	A	G	0.965209	-0.0211837	0.0376433	0.573606	0.597085	0.107878	3.12E-08	-0.0354785	0.0633702	0.5755737	0.7106289	8	0.89127357
ENSG00000260630	16	SNAI3-AS1	88729706	rs11076696	16	88739988	T	G	0.28827	-0.0015451	0.00856631	0.856862	-0.345532	0.0461251	6.82E-14	0.00447168	0.0247988	0.8569027	0.02265064	20	0.97475956
ENSG00000174177	16	CTU2	88772871	rs8050715	16	88780923	G	C	0.894632	-0.0177506	0.0124477	0.153865	0.473406	0.074105	1.68E-10	-0.0374955	0.026941	0.1639946	0.2497222	10	0.67999547
ENSG00000182376	16	RP5-1142A6.8	88809175	rs8050504	16	88797568	A	G	0.383698	0.00618363	0.0081045	0.445471	-0.450664	0.0754159	2.29E-09	-0.0137212	0.0181295	0.449144	0.2838834	6	0.85269709
ENSG00000176715	16	ACSF3	89154783	rs57558972	16	89167066	G	C	0.777336	0.0137067	0.00956181	0.15172	-0.560532	0.0866096	9.68E-11	-0.024453	0.0174719	0.1616438	0.5501347	20	0.67999547
ENSG00000259877	16	RP11-46C24.7	89281638	rs3803722	16	89284286	G	A	0.0626243	-0.013969	0.0182129	0.443091	-0.890197	0.125043	1.09E-12	0.015692	0.0205778	0.4457193	0.09496227	12	0.85269709
ENSG00000170100	16	ZNF778	89284118	rs117884871	16	89292039	A	G	0.0188867	0.0198618	0.0227373	0.382372	1.76049	0.242631	3.99E-13	0.011282	0.0130086	0.3857933	0.3644733	9	0.82273105
ENSG00000167523	16	SPATA33	89724210	rs2010623	16	89729025	G	A	0.407555	-0.0111875	0.00813763	0.169196	0.352676	0.0595953	3.26E-09	-0.0317217	0.0236884	0.1805299	0.2506557	14	0.68323261
ENSG00000075399	16	VPS9D1	89773542	rs1110331	16	89774396	A	G	0.54672	-0.0073935	0.00849741	0.38425	0.246701	0.0397921	5.66E-10	-0.0299696	0.0347817	0.3888819	0.5271503	20	0.82273105
ENSG00000261373	16	VPS9D1-AS1	89778264	rs76924017	16	89856702	A	G	0.0626243	-0.011156	0.0171102	0.514398	0.653951	0.108837	1.87E-09	-0.0170594	0.0263179	0.5168533	0.1329664	13	0.87590525
ENSG00000204991	16	SPIRE2	89884587	rs2077001	16	89802090	A	G	0.574553	-0.0098834	0.00820891	0.228598	0.251036	0.042874	4.76E-09	-0.0393703	0.0333843	0.2382768	0.5428656	19	0.73450129
ENSG00000141013	16	GAS8	90086037	rs12930631	16	90084157	A	G	0.247515	0.00954573	0.0100723	0.343272	-0.4561	0.0715106	1.79E-10	-0.020929	0.022326	0.3485381	0.1734244	8	0.80768341
ENSG00000221819	16	C16orf3	90095316	rs76265950	16	90085139	C	A	0.084493	0.0142478	0.0167695	0.395533	1.27208	0.195921	8.42E-11	0.0112004	0.0132951	0.3995396	0.4577663	17	0.82273105
ENSG00000262061	17	RP11-1260E13.4	180996	rs11871632	17	180923	T	G	0.395626	0.00321397	0.00843247	0.703098	0.467893	0.0804645	6.07E-09	0.00686903	0.0180609	0.7037034	0.3859086	8	0.92891875
ENSG00000187624	17	C17orf97	260118	rs7502594	17	260182	C	T	0.239563	0.0118285	0.00932382	0.204573	0.652788	0.0606089	4.74E-27	0.01812	0.0143818	0.2076973	0.5613998	15	0.70391756
ENSG00000183688	17	FAM101B	289769	rs72477027	17	438650	A	G	0.0218688	-0.009835	0.0260263	0.705515	0.958006	0.175519	4.81E-08	-0.0102661	0.0272322	0.7061854	0.6838757	6	0.92891875
ENSG00000141252	17	VPS53	411908	rs79481894	17	445194	G	A	0.0397614	-0.0079981	0.0234557	0.733111	0.444739	0.0805776	3.40E-08	-0.0179839	0.0528409	0.7336006	0.9641051	11	0.93606022
ENSG00000167695	17	FAM57A	635652	rs2657621	17	635080	C	A	0.472167	0.0121618	0.008267	0.141258	0.567933	0.0709424	1.19E-15	0.0214141	0.0148	0.1479253	0.2630104	16	0.66222016
ENSG00000231784	17	DBIL5P	655900	rs2740345	17	667377	A	G	0.0337972	0.0197491	0.0229735	0.389985	1.44978	0.245515	3.53E-09	0.0136221	0.0160132	0.3949471	0.3406555	3	0.82273105
ENSG00000177370	17	TIMM22	900357	rs2586304	17	910636	G	A	0.753479	-0.0002487	0.00893391	0.977788	-0.359532	0.0518156	3.96E-12	0.00069185	0.0248489	0.977788	0.1436475	7	0.99106084
ENSG00000167711	17	SERPINF2	1646130	rs2070862	17	1648294	T	C	0.223658	-0.0023051	0.00992405	0.816323	0.583655	0.0816559	8.82E-13	-0.0039495	0.0170123	0.8164187	0.8998139	5	0.9628767
ENSG00000108963	17	DPH1	1933404	rs869020	17	1945225	G	T	0.331014	3.69E-05	0.0082015	0.996414	0.252864	0.0415791	1.19E-09	0.00014579	0.0324344	0.9964136	0.00574295	5	0.99882539
ENSG00000167720	17	SRR	2206677	rs3744270	17	2207326	A	G	0.341948	0.0117644	0.00853037	0.167857	-0.763348	0.0711639	7.63E-27	-0.0154116	0.0112669	0.1713558	0.04857887	18	0.68081994
ENSG00000197417	17	SHPK	3511556	rs62069928	17	3514598	T	C	0.241551	0.0136324	0.00925157	0.140611	0.876184	0.0803843	1.15E-27	0.0155588	0.010655	0.1442241	0.628644	10	0.66222016
ENSG00000040531	17	CTNS	3539762	rs2235104	17	3564815	G	A	0.227634	-0.0084626	0.00916791	0.355975	-0.50672	0.0747958	1.25E-11	0.0167007	0.0182598	0.3603951	0.2890591	5	0.81623859
ENSG00000262165	17	RP11-81A22.5	4704454	rs11654690	17	4704678	A	G	0.0785288	-0.0139116	0.0133943	0.298979	-0.869123	0.107599	6.61E-16	0.0160065	0.0155382	0.3029443	0.8464707	4	0.77657782
ENSG00000108556	17	CHRNE	4801069	rs72835061	17	4805437	A	C	0.0944334	-0.0205841	0.0117664	0.0802232	1.0477	0.142755	2.15E-13	-0.0196469	0.0115453	0.08880777	0.6109626	13	0.62201511
ENSG00000205710	17	C17orf107	4802713	rs74251398	17	4748139	G	T	0.119284	0.00101785	0.0121291	0.933122	0.382655	0.0691493	3.13E-08	0.00265997	0.0317009	0.9331293	0.5267418	8	0.98651638
ENSG00000091640	17	SPAG7	4862521	rs16954304	17	4871518	C	T	0.082505	0.00772859	0.0134213	0.564718	0.626052	0.0786402	1.71E-15	0.012345	0.021494	0.5657347	0.4553911	16	0.89127357
ENSG00000167842	17	MIS12	5389605	rs1805452	17	5385296	C	T	0.124254	-0.0088266	0.0123311	0.474115	0.454049	0.0826974	4.01E-08	-0.0194398	0.0273879	0.4778323	0.6100539	5	0.86100048
ENSG00000091622	17	PITPNM3	6354584	rs2137796	17	6360102	A	C	0.319085	-0.0152382	0.0081678	0.0620912	-0.170086	0.0294842	7.99E-09	0.0895911	0.0504705	0.07587813	0.6332817	18	0.59145965
ENSG00000256806	17	AC004706.1	6555059	rs4796538	17	6569392	C	T	0.0536779	0.00911193	0.0229343	0.691142	-0.609015	0.108022	1.72E-08	-0.0149618	0.0377514	0.6918668	0.962773	8	0.92403695
ENSG00000132507	17	EIF5A	7210318	rs28636077	17	7209386	A	G	0.558648	0.00829132	0.00869057	0.340053	-0.388262	0.0506602	1.80E-14	-0.021355	0.022556	0.3437652	0.01605491	11	0.80555318
ENSG00000174292	17	TNK1	7283853	rs7220814	17	7290695	G	A	0.0685885	-0.0001123	0.0188601	0.995247	-1.14959	0.183745	3.94E-10	9.77E-05	0.0164059	0.9952474	0.1463297	5	0.99834679
ENSG00000170175	17	CHRNB1	7348380	rs67328311	17	7352976	T	G	0.341948	0.00634632	0.00816542	0.43703	0.349632	0.0565937	6.49E-10	0.0181514	0.0235384	0.4406236	0.8938545	8	0.8522258
ENSG00000141504	17	SAT2	7529552	rs858520	17	7530271	T	C	0.388668	0.00513286	0.00835688	0.539078	0.320807	0.0530296	1.45E-09	0.0159998	0.0261835	0.5411557	0.2136498	6	0.8813815
ENSG00000184619	17	KRBA2	8271955	rs1695213	17	8279324	C	T	0.715706	-0.0091577	0.00836322	0.273517	0.478886	0.0617711	9.00E-15	-0.0191229	0.0176372	0.2782605	0.3134105	10	0.76030335
ENSG00000065325	17	GLP2R	9725523	rs9895039	17	9726783	A	G	0.115308	0.0182625	0.0124157	0.141312	-0.660357	0.0958	5.46E-12	-0.0276555	0.0192248	0.1502831	0.060324	4	0.66222016
ENSG00000109047	17	RCVRN	9799637	rs1801760	17	9817874	A	G	0.533797	-0.0150309	0.00808355	0.0629651	-1.1136	0.0886939	3.71E-36	0.0134976	0.00733811	0.06585917	0.01570114	20	0.57158494
ENSG00000109063	17	MYH3	10531843	rs56121112	17	10577573	C	A	0.511928	0.0098821	0.00807854	0.221235	0.29305	0.0478652	9.22E-10	0.0337216	0.028112	0.2303162	0.9122936	6	0.73131069
ENSG00000133028	17	SCO1	10583654	rs11078857	17	10586023	C	T	0.471173	0.0104221	0.00815915	0.201479	0.457159	0.0514807	6.67E-19	0.0227975	0.0180312	0.2061087	0.9906589	13	0.70391756
ENSG00000170222	17	ADPRM	10600911	rs2662944	17	10594879	A	G	0.456262	0.00851057	0.00818117	0.298217	0.566989	0.0767863	1.54E-13	0.0150101	0.0145716	0.3029673	0.8935582	10	0.77657782
ENSG00000187824	17	TMEM220	10602332	rs3826448	17	10633181	G	A	0.488072	0.0121459	0.00809316	0.133418	-0.335569	0.0377195	5.77E-19	-0.0361949	0.0244585	0.1389126	0.9808957	16	0.66222016
ENSG00000006744	17	ELAC2	12895708	rs1044564	17	12895984	C	G	0.607356	0.00702664	0.00825115	0.394439	0.642094	0.0642545	1.64E-23	0.0109433	0.012897	0.3961486	0.1497816	15	0.82273105
ENSG00000239704	17	CDRT4	15339332	rs9914680	17	15455582	G	C	0.586481	-0.0066254	0.00813217	0.415237	0.339304	0.0614284	3.32E-08	-0.0195264	0.0242265	0.420248	0.7930911	5	0.83980935
ENSG00000187607	17	ZNF286A	15602891	rs4792656	17	15630601	C	T	0.764414	-0.0203794	0.0094576	0.031176	-0.418722	0.0704982	2.86E-09	0.0486705	0.0240273	0.04280281	0.5906585	10	0.50441198
ENSG00000214946	17	TBC1D26	15635561	rs110675	17	15578852	A	G	0.737575	-0.0211469	0.00875033	0.0156617	0.622249	0.0655912	2.38E-21	-0.0339846	0.0145115	0.01918567	0.3605345	20	0.38577673
ENSG00000233002	17	AC005324.6	15638337	rs12452362	17	15636015	T	C	0.619284	-0.0115947	0.00834214	0.16456	0.590365	0.0846866	3.14E-12	-0.0196399	0.0144086	0.1728613	0.1509717	11	0.68081994
ENSG00000179277	17	MEIS3P1	15689932	rs534861	17	15690793	C	T	0.303181	-0.0069952	0.00864396	0.418364	-0.525188	0.0642144	2.87E-16	0.0133195	0.0165392	0.4206289	0.383474	10	0.83980935
ENSG00000265519	17	CTD-3157E16.1	15691101	rs534861	17	15690793	C	T	0.303181	-0.0069952	0.00864396	0.418364	-0.576195	0.0784024	1.99E-13	0.0121404	0.0150925	0.4211653	0.3411685	10	0.84011824
ENSG00000170425	17	ADORA2B	15848231	rs1045599	17	15879910	T	C	0.570577	-0.0009432	0.00822599	0.908719	-0.181288	0.0310778	5.43E-09	0.00520251	0.045384	0.908736	0.8390364	9	0.98043565
ENSG00000214941	17	ZSWIM7	15879874	rs1045599	17	15879910	T	C	0.570577	-0.0009432	0.00822599	0.908719	-0.662132	0.0634719	1.77E-25	0.00142442	0.0124242	0.908724	0.7072491	20	0.98043565
ENSG00000166582	17	CENPV	16245848	rs3112527	17	16248906	T	C	0.464215	0.00336313	0.00804952	0.676089	0.619531	0.0606443	1.68E-24	0.00542851	0.0130038	0.6763449	0.5721322	20	0.92182598
ENSG00000187688	17	TRPV2	16318856	rs3813769	17	16318932	C	T	0.33002	0.00655966	0.00903515	0.467829	-0.904367	0.0782353	6.60E-31	-0.0072533	0.0100103	0.4687049	0.9444655	13	0.85681817
ENSG00000131885	17	KRT17P1	16744057	rs654177	17	16689971	T	G	0.0387674	-0.0109204	0.0204293	0.592965	-0.814693	0.138988	4.58E-09	0.0134043	0.0251801	0.5944926	0.9096175	6	0.89572075
ENSG00000154803	17	FLCN	17115526	rs9908150	17	17114061	A	G	0.594433	-0.0015268	0.00896477	0.864769	0.324475	0.0536929	1.51E-09	-0.0047053	0.0276395	0.8648221	0.148587	17	0.97475956
ENSG00000273018	17	CTD-2303H24.2	18414535	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.928178	0.0779235	1.03E-32	-0.0058225	0.0088158	0.5089562	0.9386222	18	0.87138801
ENSG00000233327	17	USP32P2	18414576	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.981388	0.0767696	2.03E-37	-0.0055068	0.00833612	0.5088704	0.9389446	20	0.87138801
ENSG00000213077	17	FAM106A	18427880	rs9892882	17	18501596	G	A	0.54175	-0.0054043	0.00817004	0.508303	0.599237	0.0901186	2.94E-11	-0.0090187	0.0137014	0.5103887	0.7550875	6	0.87138801
ENSG00000154874	17	CCDC144B	18441117	rs62072802	17	18490410	G	A	0.465209	0.00584692	0.00816813	0.474101	-0.599357	0.0876185	7.89E-12	-0.0097553	0.0137026	0.4765058	0.6042516	11	0.86100048
ENSG00000171928	17	TVP23B	18684308	rs113034979	17	18681122	C	T	0.496024	0.00394562	0.008105	0.62639	-0.444225	0.0559228	1.96E-15	-0.008882	0.0182795	0.627037	0.1731656	20	0.90357159
ENSG00000141127	17	PRPSAP2	18743398	rs4924947	17	18846818	C	T	0.634195	0.00127509	0.00814613	0.875618	0.428001	0.0595923	6.86E-13	0.00297918	0.0190375	0.8756469	0.2984793	19	0.97609174
ENSG00000235979	17	AC004448.5	19342456	rs4924994	17	19364961	T	A	0.73161	-0.000179	0.00835403	0.982903	-0.457178	0.0686559	2.76E-11	0.00039158	0.0182731	0.9829033	0.5224777	8	0.9924555
ENSG00000261033	17	RP11-209D14.2	19911364	rs112726114	17	20462164	C	A	0.150099	0.00855669	0.0123378	0.487973	0.517006	0.0785588	4.67E-11	0.0165505	0.0239961	0.4903732	0.2247408	20	0.86791667
ENSG00000230528	17	NOS2P3	20339650	rs4924808	17	20026548	G	A	0.430417	0.00995777	0.00829282	0.229841	-0.575581	0.0677683	2.01E-17	-0.0173004	0.014551	0.2344606	0.5926072	20	0.73322684

ENSG00000226981	17	ABHD17AP6	20717933	rs1999866	17	20741402	A	G	0.312127	-0.0033713	0.00839877	0.688121	-0.471782	0.0827589	1.19E-08	0.00714593	0.0178463	0.6888509	0.8612254	3	0.92403695
ENSG00000205212	17	CCDC144NL	20739760	rs66762238	17	20792822	C	T	0.496024	-0.0096841	0.00806616	0.229912	0.587482	0.101736	7.72E-09	-0.0164841	0.0140237	0.2398148	0.7820369	5	0.73450129
ENSG00000266369	17	RP11-344E13.4	20759259	rs35202842	17	20801239	A	G	0.151093	-0.0118761	0.0108968	0.275772	0.726832	0.109229	2.85E-11	-0.0163395	0.0151919	0.2821332	0.967105	5	0.76264592
ENSG00000232859	17	LYRM9	26205340	rs3751972	17	26206414	A	C	0.757455	-0.009749	0.00977898	0.318799	0.668599	0.0647861	5.72E-25	-0.0145812	0.0146942	0.3210464	0.4031516	12	0.78475979
ENSG00000004142	17	POLDIP2	26673659	rs11080054	17	26645991	A	G	0.570577	0.00219138	0.00808949	0.786473	0.276883	0.0437292	2.42E-10	0.00791446	0.029243	0.7866643	0.927319	8	0.95332026
ENSG00000221995	17	TIAF1	27400537	rs1472081	17	27395890	T	C	0.326044	0.00476538	0.00853932	0.576809	-0.385557	0.0583476	3.90E-11	-0.0123597	0.0222268	0.5781616	0.6438636	10	0.89127357
ENSG00000108587	17	GOSR1	28804380	rs4795554	17	28804996	C	T	0.517893	-0.0062193	0.00805241	0.439908	-0.473422	0.060804	6.91E-15	0.0131368	0.0170924	0.4421453	0.5970731	20	0.8522258
ENSG00000231421	17	AC006050.2	28900489	rs216410	17	28903831	G	C	0.883698	-0.0043542	0.0138887	0.753895	-1.12243	0.106767	7.53E-26	0.00387928	0.0123793	0.7540005	0.995576	14	0.93994618
ENSG00000264538	17	SUZ12P	29036317	rs55638872	17	29149552	C	G	0.107356	0.00391371	0.0142582	0.783709	-0.766125	0.0979521	5.22E-15	-0.0051085	0.0186223	0.7838391	0.8757974	13	0.95316676
ENSG00000176390	17	CRLF3	29096406	rs2627124	17	28966437	C	T	0.117296	0.00024365	0.0141419	0.986254	-0.775135	0.102913	5.00E-14	-0.0003143	0.0182445	0.9862543	0.9716743	19	0.99379604
ENSG00000266490	17	CTD-2349P21.9	29119390	rs7504112	17	29073773	C	T	0.275348	-0.0128973	0.0089406	0.149145	0.744774	0.0933552	1.49E-15	-0.0173171	0.0121991	0.1557433	0.2065851	9	0.67087641
ENSG00000266718	17	RP11-466A19.1	30822554	rs75372503	17	30746382	A	G	0.138171	-0.0177742	0.0112914	0.115455	0.710717	0.0957088	1.12E-13	-0.0250088	0.0162404	0.1235805	0.9301564	17	0.65256807
ENSG00000197322	17	C17orf102	32901142	rs117721431	17	32906038	C	G	0.0506958	-0.0105077	0.0140495	0.454519	0.617224	0.103383	2.37E-09	-0.0170241	0.0229403	0.4580235	0.06879292	6	0.85681817
ENSG00000181291	17	TMEM132E	32907768	rs59155213	17	32895211	A	G	0.33996	0.0252047	0.00851975	0.00309257	-0.398455	0.0555326	7.22E-13	-0.0632561	0.0231281	0.00623748	0.2559245	8	0.29082583
ENSG00000132141	17	CCT6B	33254878	rs234811	17	33201866	C	A	0.375746	-0.0066906	0.00817969	0.413384	-0.317105	0.048264	5.02E-11	0.021099	0.025994	0.4169713	0.4567475	9	0.83980935
ENSG00000005156	17	LIG3	33307513	rs1003918	17	33332177	A	G	0.477137	-0.0013321	0.00812145	0.869715	-0.512148	0.0619173	1.32E-16	0.00260097	0.0158607	0.8697408	0.2350351	8	0.97609174
ENSG00000166750	17	SLFN5	33570055	rs11080327	17	33571546	A	G	0.508946	-0.0054739	0.00809876	0.499109	0.396419	0.0638995	5.51E-10	-0.0138084	0.0205507	0.5016362	0.461221	5	0.86976277
ENSG00000008838	17	MED24	38175350	rs2270401	17	38176256	T	A	0.367793	-0.020888	0.00856262	0.0147102	-0.434828	0.0584877	1.05E-13	0.0480374	0.0207249	0.02045728	0.3558097	20	0.39016878
ENSG00000108352	17	RAPGEFL1	38333263	rs7221536	17	38350730	G	C	0.16998	-0.0145443	0.0110514	0.188156	-0.261153	0.0450305	6.65E-09	0.0556926	0.0433936	0.199342	0.6026542	5	0.70207968
ENSG00000141698	17	NT5C3B	39981335	rs1865841	17	39991988	A	G	0.728628	-0.0079007	0.00853003	0.354331	-0.278525	0.0392861	1.34E-12	0.0283662	0.030886	0.3584004	0.2896794	12	0.81588218
ENSG00000187595	17	ZNF385C	40177594	rs60110245	17	40189830	T	C	0.0934394	0.0281435	0.0149079	0.05905	-1.10279	0.147829	8.66E-14	-0.0255203	0.0139445	0.06723019	0.410291	10	0.57336388
ENSG00000267222	17	RP11-194N12.2	40647885	rs12603201	17	40595927	T	C	0.60338	-0.0023395	0.00811568	0.773138	-0.44001	0.0779025	1.62E-08	0.00531699	0.0184683	0.7734247	0.3092929	5	0.94765774
ENSG00000108785	17	HSD17B1P1	40698782	rs113343986	17	40778189	A	G	0.427435	-0.011595	0.00835245	0.16507	0.367357	0.0643703	1.15E-08	-0.0315633	0.0233996	0.177375	0.7496433	13	0.68288197
ENSG00000037042	17	TUBG2	40811323	rs3760384	17	40835451	C	A	0.526839	0.0053462	0.00808338	0.508368	-0.265651	0.0357882	1.15E-13	-0.0201249	0.0305491	0.5100422	0.1187016	13	0.87138801
ENSG00000198496	17	NBR2	41277627	rs8176193	17	41231516	T	C	0.357853	0.0199626	0.00829017	0.0160406	-1.20066	0.0775624	4.74E-54	-0.0166264	0.00698772	0.0173423	0.7255475	20	0.38205274
ENSG00000167941	17	SOST	41831099	rs1877633	17	41775043	A	G	0.373757	-0.0196965	0.00819193	0.0162002	-0.566111	0.0855179	3.60E-11	0.0347926	0.0153955	0.02382572	0.4202952	5	0.41608893
ENSG00000108852	17	MPP2	41952725	rs117706021	17	42010991	C	G	0.0715706	-0.0024015	0.0146158	0.869487	-0.450073	0.0758707	2.99E-09	0.00533582	0.0324867	0.8695373	0.8527623	8	0.97609174
ENSG00000267080	17	ASB16-AS1	42253341	rs7214540	17	42256604	G	A	0.297217	-0.0264597	0.00865247	0.00222777	-0.387489	0.0701561	3.33E-08	0.068285	0.0255237	0.00746498	0.5306674	3	0.29082583
ENSG00000013306	17	SLC25A39	42396993	rs34365655	17	42398802	A	G	0.0854871	0.00275537	0.0135375	0.838716	-0.514393	0.0847625	1.29E-09	-0.0053566	0.0263322	0.8388054	0.06630592	3	0.9703499
ENSG00000030582	17	GRN	42422614	rs5848	17	42430244	T	C	0.301193	-0.011573	0.00845813	0.171227	-0.347198	0.05918	4.44E-09	0.0333326	0.0250149	0.1826927	0.4638592	3	0.6842715
ENSG00000161692	17	DBF4B	42785976	rs75840576	17	42812777	G	A	0.146123	0.0252359	0.0116461	0.0302434	-0.846236	0.0920763	3.91E-20	-0.0298214	0.0141396	0.0349386	0.01097451	20	0.47330374
ENSG00000172992	17	DCAKD	43100708	rs4793181	17	43122016	C	T	0.576541	0.0165076	0.00816234	0.043134	0.391271	0.054758	8.97E-13	0.0421897	0.0216806	0.05165865	0.06444778	12	0.54321388
ENSG00000233175	17	CTD-2020K17.3	43315395	rs1023995	17	43316520	C	T	0.697813	-0.0193415	0.00867591	0.0257917	-0.977593	0.0767631	3.77E-37	0.0197848	0.00900972	0.02809609	0.202539	18	0.42318362
ENSG00000225190	17	PLEKHM1	43513266	rs79172804	17	43828764	A	G	0.213718	-0.0038846	0.0156056	0.803418	0.410709	0.0694625	3.37E-09	-0.0094584	0.0380304	0.8035884	0.5800399	15	0.95841357
ENSG00000214425	17	LRRC37A4P	43578685	rs62057151	17	43903842	T	C	0.246521	-0.0081981	0.0145995	0.574435	-1.19409	0.0824464	1.55E-47	0.00686556	0.0122357	0.5747216	1.46E-05	11	0.89127357
ENSG00000264070	17	DND1P1	43663237	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.0566	0.105646	1.50E-23	-0.0054103	0.0141788	0.7027753	0.08002013	12	0.92859872
ENSG00000263503	17	RP11-707O23.5	43678235	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.24273	0.111166	5.16E-29	-0.0046	0.0120534	0.7027341	0.1472671	10	0.92859872
ENSG00000204650	17	CRHR1-IT1	43697694	rs34739559	17	43949342	A	G	0.239563	-0.0034166	0.0151622	0.821716	0.55972	0.0524957	1.53E-26	-0.0061042	0.027095	0.8217544	0.9981795	7	0.96369984
ENSG00000214401	17	KANSL1-AS1	44270942	rs199533	17	44828931	A	G	0.222664	0.00401367	0.0144763	0.781581	1.18596	0.0898149	8.27E-40	0.00338432	0.0122091	0.7816289	0.2607496	10	0.95247675
ENSG00000262500	17	RP11-259G18.2	44320972	rs55974014	17	43757450	A	C	0.23161	-0.0057165	0.0149704	0.702569	1.22064	0.113779	7.51E-27	-0.0046832	0.0122722	0.7027483	0.7329093	10	0.92859872
ENSG00000262539	17	RP11-259G18.3	44336917	rs199456	17	44797919	T	C	0.224652	0.0017693	0.0145909	0.903485	1.26621	0.104398	7.45E-34	0.00139732	0.0115239	0.9034895	0.3097958	9	0.98024553
ENSG00000261575	17	RP11-259G18.1	44344403	rs62063281	17	44038785	G	A	0.241551	-0.0029719	0.014977	0.842709	0.843079	0.108778	9.16E-15	-0.003525	0.0177705	0.8427598	0.9972345	9	0.9729333
ENSG00000228696	17	ARL17B	44352150	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.08031	0.11268	9.03E-22	-0.0067754	0.00776389	0.3828371	0.4581169	6	0.82149871
ENSG00000176681	17	LRRC37A	44370099	rs62072141	17	44569237	C	T	0.5	0.00710678	0.00816579	0.384131	-1.05088	0.081145	2.33E-38	-0.0067627	0.00778796	0.3852012	0.2831876	20	0.82273105
ENSG00000260075	17	NSFP1	44450221	rs144462017	17	44443036	G	A	0.738569	0.00731953	0.00835259	0.380856	-1.06483	0.0958085	1.07E-28	-0.0068739	0.0078684	0.3823322	0.6654877	16	0.82149871
ENSG00000238083	17	LRRC37A2	44588877	rs4074462	17	43855228	T	G	0.240557	-0.005597	0.0148362	0.705984	1.21659	0.0948759	1.22E-37	-0.0046006	0.0122002	0.7061059	0.998621	7	0.92891875
ENSG00000185829	17	ARL17A	44594068	rs62056812	17	43987154	A	G	0.239563	-0.0044037	0.0148507	0.766821	1.15978	0.107985	6.59E-27	-0.003797	0.0128096	0.7669089	0.9911505	4	0.94286213
ENSG00000108379	17	WNT3	44839872	rs9904865	17	44908263	T	C	0.627237	-0.0051733	0.00879554	0.556416	-1.05626	0.0742034	5.58E-46	0.00489774	0.00833417	0.5567535	0.4298689	15	0.8881112
ENSG00000262879	17	RP11-156P1.3	45061411	rs76048354	17	45180518	T	C	0.106362	0.0355339	0.0151706	0.0191664	1.57307	0.120122	3.49E-39	0.0225889	0.00979699	0.02112761	0.3313425	20	0.39515446
ENSG00000178852	17	EFCAB13	45400656	rs9912450	17	45402208	T	C	0.642147	0.00999215	0.00848823	0.239124	0.547184	0.0745617	2.16E-13	0.018261	0.0157109	0.2451061	0.8155856	20	0.73450129
ENSG00000141295	17	SCRN2	45915058	rs59715174	17	45931413	G	A	0.158052	0.0228392	0.0120512	0.0580684	-0.325509	0.0537401	1.39E-09	-0.0701646	0.0387925	0.0704956	0.1666013	9	0.57730719
ENSG00000264920	17	RP11-6N17.4	45968621	rs34064155	17	45969849	A	G	0.557654	0.00021412	0.00817948	0.979116	-0.447094	0.0713887	3.78E-10	-0.0004789	0.0182949	0.9791158	0.1335319	8	0.99106084
ENSG00000170703	17	TTLL6	46839597	rs4793602	17	46879964	A	G	0.65507	0.0151951	0.00828922	0.0667852	0.433882	0.0750491	7.41E-09	0.0350213	0.0200422	0.08057136	0.00071962	8	0.60486272
ENSG00000248278	17	RP11-463M16.4	46952222	rs595767	17	46957987	G	A	0.540755	0.035317	0.00805939	1.18E-05	0.553031	0.094082	4.15E-09	0.0638608	0.018177	0.00044262	0.08275838	11	0.23528574
ENSG00000159199	17	ATP5G1	46970127	rs1058018	17	47000251	T	C	0.604374	0.0259698	0.00819687	0.00153356	0.177284	0.030354	5.20E-09	0.146487	0.0526005	0.00535443	0.1953257	15	0.29082583
ENSG00000159210	17	SNF8	47006678	rs55917610	17	47012551	G	C	0.683897	0.0287493	0.0086293	0.00086352	0.37215	0.0525183	1.38E-12	0.0772519	0.0256227	0.00256992	0.2982912	20	0.24408023
ENSG00000108823	17	SGCA	48241575	rs2412299	17	48243736	A	G	0.632207	0.00629808	0.00838341	0.452499	-0.776288	0.0888282	2.35E-18	-0.0081131	0.0108392	0.4541619	0.8082808	15	0.85681817
ENSG00000136457	17	CHAD	48541857	rs2898945	17	48553916	G	C	0.577535	0.0125614	0.00807607	0.119853	0.647229	0.0767152	3.26E-17	0.019408	0.0126882	0.1261137	0.9649645	10	0.65637992
ENSG00000136444	17	RSAD1	48556161	rs557	17	48563234	T	C	0.218688	0.0126625	0.0112578	0.260684	-0.395755	0.0609012	8.12E-11	-0.0319958	0.0288694	0.2677338	0.9324851	12	0.75063857
ENSG00000006282	17	SPATA20	48620419	rs9890200	17	48624523	C	A	0.349901	0.0139272	0.00857001	0.10414	-0.769302	0.0628573	1.93E-34	-0.0181037	0.0112378	0.1071864	0.4053899	20	0.63551762
ENSG00000229980	17	TOB1-AS1	48944040	rs34700818	17	48945753	T	C	0.260437	-0.0013087	0.00889131	0.882985	0.525745	0.0877178	2.05E-09	-0.0024892	0.0169169	0.8830199	0.01582061	10	0.97615419
ENSG00000239672	17	NME1	49230897	rs7207370	17	49231180	G	A	0.377734	-0.0121792	0.00831593	0.14304	0.371193	0.0339809	8.89E-28	-0.032811	0.0226037	0.1466201	0.526967	20	0.66222016
ENSG00000243678	17	NME1-NME2	49230920	rs12943083	17	49312929	T	C	0.529821	0.0126962	0.00805982	0.1152	0.315831	0.0406723	8.15E-15	0.0401993	0.0260392	0.1226364	0.4809983	20	0.65233564
ENSG00000011260	17	UTP18	49337889	rs175384	17	49389875	T	C	0.481113	0.0139792	0.00805559	0.0826818	0.389191	0.0504651	1.24E-14	0.0359186	0.0212158	0.09045348	0.2801365	18	0.62509594
ENSG00000166260	17	COX11	53029263	rs35573927	17	53031889	C	G	0.269384	0.00552494	0.00901827	0.540116	-0.481861	0.0572769	4.00E-17	-0.0114658	0.0187651	0.541186	0.218498	18	0.8813815
ENSG00000214226	17	C17orf67	54869274	rs117486106	17	54911028	G	C	0.102386	0.00786886	0.0123259	0.523214	0.893183	0.116523	1.78E-14	0.00880991	0.0138477	0.5246475	0.5817405	4	0.87785114
ENSG00000153933	17	DGKE	54911460	rs9906601	17	54949047	T	C	0.691849	0.00213625	0.00860821	0.804008	0.26021	0.0407368	1.69E-10	0.00820971	0.0331067	0.8041521	0.6706302	3	0.95844932
ENSG00000108384	17	RAD51C	56769934	rs10515159	17	56802693	C	G	0.181909	0.00310719	0.00921815	0.736061	-0.699392	0.0546611	1.75E-37	-0.0044427	0.0131848	0.73615	0.1089534	20	0.93606022
ENSG00000265702	17	RP11-156L14.1	60776605	rs4968627	17	60802824	T	C	0.379722	0.00091487	0.00842325	0.91351	-0.590964	0.0979951	1.63E-09	-0.0015481	0.0142557	0.9135243	0.4733908	13	0.98076095
ENSG00000008283	17	CYB561	61509665	rs4968644	17	61468052	C	G	0.488072	-0.0205599	0.00811402	0.0112808	-0.651198	0.0459653	1.46E-45	0.0315724	0.0126579	0.01262086	0.5664689	20	0.34722554
ENSG00000198231	17	DDX42	61850963	rs7207569	17	61867787	A	C	0.265408	-0.0016952	0.00959015	0.859695	-0.393515	0.0582283	1.40E-11	0.00430779	0.0243788	0.8597423	0.69999	10	0.97475956
ENSG00000108592	17	FTSJ3	61896793	rs2859619	17	61917686	C	T	0.59841	-0.0057224	0.00841823	0.496653	0.785654	0.0630637	1.26E-35	-0.0072836	0.0107309	0.4972928	0.4507221	20	0.86791667
ENSG00000087191	17	PSMC5	61904512	rs59596917	17	61806264	A	T	0.597416	-0.0063575	0.00840711	0.44953	0.242803	0.0409423	3.02E-09	-0.0261836	0.0349056	0.4531792	0.3734872	20	0.85681817
ENSG00000176809	17	LRRC37A3	62850430	rs41410147	17	62962184	T	C	0.084493	-0.0205939	0.0172927	0.233694	1.11537	0.147883	4.62E-14	-0.0184637	0.0156961	0.2394639	0.169481	5	0.73450129
ENSG00000154229	17	PRKCA	64298754	rs4791035	17	64807228	G	C	0.513917	0.0119762	0.00812855	0.140657	-0.285648	0.0507629	1.83E-08	-0.0419264	0.0294158	0.1540694	0.629878	8	0.6666376
ENSG00000267731	17	RP11-147L13.8	66186025	rs2058109	17	66142440	T	C	0.180915	0.0133978	0.00993445	0.177457	0.586196	0.0842027	3.36E-12	0.0228555	0.0172624	0.1855011	0.00306474	7	0.68592817
ENSG00000237560	17	AC004562.1	67957848	rs6501357	17	67962004	A	C	0.340954	-0.0160945	0.00866201	0.0631611	0.684497	0.0947898	5.15E-13	-0.0235129	0.0130668	0.07194855	0.1375709	7	0.58381641
ENSG00000256124	17	RP11-84E24.3	70026432	rs34091987	17	70025587	T	C	0.343936	-0.0059072	0.0094806	0.533229	-0.363476	0.0626891	6.71E-09	0.016252	0.0262333	0.5355765	0.1878779	6	0.8813815
ENSG00000172794	17	RAB37	72666717	rs2280177	17	72667520	T	G	0.109344	0.0160938	0.0117976	0.172517	-0.585532	0.0805752	3.68E-13	-0.0274858	0.0205005	0.180005	0.3849842	4	0.68323261
ENSG00000161513	17	FDXR	72858619	rs492095	17	72869078	A	G	0.724652	-0.0038639	0.0096991	0.690354	0.367705	0.0653445	1.83E-08	-0.0105081	0.0264434	0.6910876	0.1934486	6	0.92403695
ENSG00000125450	17	NUP85	73201754	rs1478785	17	73222865	A	G	0.754473	0.0184148	0.0110806	0.0965339	-0.535373	0.0611702	2.09E-18	-0.0343962	0.0210668	0.1025275	0.1299038	15	0.63021019
ENSG00000132471	17	WBP2	73841780	rs74410877	17	73832384	T	C	0.140159	0.0217626	0.0141948	0.125243	-0.411142	0.0644366	1.76E-10	-0.0529321	0.035508	0.1360379	0.1731482	3	0.66222016
ENSG00000132481	17	TRIM47	73870242	rs116044941	17	73874684	C	G	0.161034	0.0242811	0.0141952	0.0871726	-0.421283	0.0678406	5.30E-10	-0.0576361	0.0349501	0.09912759	0.9083453	6	0.63021019
ENSG00000141569	17	TRIM65	73876416	rs9302994	17	73906934	A	G	0.349901	0.00942634	0.00941358	0.316655	0.527036	0.0646422	3.55E-16	0.0178856	0.0179956	0.3202777	0.8612382	20	0.78475979
ENSG00000188878	17	FBF1	73905655	rs11077798	17	73953404	C	T	0.762425	-0.0138778	0.0105666	0.189061	-0.495601	0.0584209	2.19E-17	0.028002	0.0215748	0.1943209	0.8899629	20	0.69515554
ENSG00000257949	17	TEN1	73975301	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.570489	0.0599185	1.71E-21	0.0194444	0.018882	0.3031125	0.9087925	13	0.77657782
ENSG00000250506	17	CDK3	73996987	rs1135531	17	74002056	G	T	0.725646	0.0110928	0.0107088	0.300268	0.413462	0.0486601	1.95E-17	0.0268291	0.0260921	0.3038343	0.5011066	17	0.77675425
ENSG00000161542	17	PRPSAP1	74305567	rs379503	17	74308358	C	A	0.300199	0.0154591	0.00923222	0.0940373	-0.523247	0.0655713	1.47E-15	-0.0295446	0.0180284	0.1012587	0.4881547	7	0.63021019
ENSG00000163597	17	SNHG16	74553848	rs3180348	17	74560569	A	G	0.171968	-0.0177767	0.0104366	0.0885095	-0.483975	0.0859916	1.82E-08	0.0367306	0.0225302	0.1030423	0.2564818	6	0.63021019
ENSG00000182534	17	MXRA7	74668633	rs7223751	17	74682885	G	A	0.807157	0.00479533	0.0101764	0.637482	-1.10506	0.0964021	2.02E-30	-0.0043394	0.00921669	0.6377671	0.4763584	20	0.91019594
ENSG00000267065	17	CTD-2246P4.1	74795126	rs62086057	17	74819228	G	A	0.0864811	-0.007793	0.0145054	0.591099	1.44602	0.216201	2.26E-11	-0.0053893	0.0100636	0.5922895	0.05443475	6	0.89572075
ENSG00000234912	17	LINC00338	75082798	rs11868249	17	75085322	G	A	0.148111	-0.0032294	0.0140318	0.817979	-0.86124	0.107053	8.63E-16	0.00374965	0.0162992	0.8180522	0.8630516	4	0.9628767
ENSG00000267665	17	RP11-13K12.2	75523080	rs35281353	17	75532209	C	T	0.412525	-0.0008188	0.00804596	0.918942	-0.393903	0.0606755	8.47E-11	0.00207872	0.0204288	0.9189516	0.4166224	11	0.9811959
ENSG00000267432	17	RP11-559N14.5	76480964	rs691912	17	76490083	A	G	0.296223	-0.0141519	0.00863913	0.101398	-0.516957	0.0812845	2.02E-10	0.0273754	0.017257	0.1126622	0.6408622	9	0.64284556
ENSG00000055483	17	USP36	76783463	rs7213204	17	76831800	C	T	0.543738	0.0124374	0.0081837	0.128567	0.313079	0.0566501	3.27E-08	0.0397261	0.0271098	0.1428176	0.1736303	6	0.66222016
ENSG00000141519	17	CCDC40	78010435	rs7212117	17	78021529	G	A	0.223658	0.0141638	0.00890158	0.111575	0.90062	0.0835532	4.33E-27	0.0157267	0.00999094	0.1154648	0.03537387	11	0.64624497
ENSG00000171298	17	GAA	78075355	rs2304849	17	78075462	C	G	0.244533	-0.0182603	0.0101836	0.0729558	-0.463606	0.0602125	1.37E-14	0.0393875	0.0225539	0.08074573	0.08020418	18	0.60486272
ENSG00000262580	17	RP11-334C17.5	78174472	rs6565646	17	78181132	C	T	0.693837	-0.0106021	0.00843769	0.208928	-0.659392	0.0653764	6.37E-24	0.0160786	0.0128951	0.2124421	0.4572623	20	0.70958937
ENSG00000173821	17	RNF213	78234665	rs62074445	17	78251696	T	C	0.204771	-0.0036767	0.0120737	0.760731	0.458851	0.067999	1.50E-11	-0.0080128	0.0263397	0.7609665	0.2619455	8	0.94074281
ENSG00000261924	17	CTD-2561B21.5	78940039	rs6565507	17	78944840	C	T	0.752485	0.00861469	0.00924923	0.351649	-0.933221	0.107399	3.65E-18	-0.0092311	0.00996786	0.354399	0.03017319	20	0.81410674
ENSG00000262873	17	CTD-2561B21.11	78991769	rs1137044	17	79003691	A	G	0.256461	0.0235616	0.00981622	0.0163829	0.593713	0.0951971	4.47E-10	0.0396852	0.0177158	0.02508465	0.5779699	5	0.42271621
ENSG00000262223	17	RP11-1055B8.3	79349801	rs67242913	17	79357397	A	G	0.375746	-0.0001375	0.00872568	0.987424	0.328517	0.054676	1.87E-09	-0.0004187	0.0265609	0.9874242	0.3095889	5	0.99393846
ENSG00000262877	17	RP11-1055B8.4	79361930	rs62072954	17	79369165	T	C	0.124254	-0.0095588	0.0125093	0.444784	0.87135	0.0834866	1.68E-25	-0.0109701	0.0143947	0.446002	0.528836	9	0.85269709
ENSG00000185298	17	CCDC137	79633394	rs7503139	17	79641534	T	C	0.191849	-0.0108572	0.0110913	0.327633	0.505376	0.0824763	8.93E-10	-0.0214834	0.0222249	0.3337259	0.7745522	7	0.79627274
ENSG00000214087	17	ARL16	79648204	rs7503637	17	79649515	A	G	0.202783	-0.0100982	0.0104595	0.334316	-0.738348	0.073246	6.75E-24	0.0136767	0.0142309	0.3365223	0.4071253	20	0.80031021
ENSG00000185105	17	MYADML2	79897521	rs9915949	17	79903462	G	C	0.583499	0.00756617	0.00839088	0.367209	-0.494214	0.0546342	1.48E-19	-0.0153095	0.0170624	0.3695766	0.7522884	15	0.81680835
ENSG00000235296	17	AC137723.5	79899745	rs9915949	17	79903462	G	C	0.583499	0.00756617	0.00839088	0.367209	-0.413757	0.0703929	4.16E-09	-0.0182865	0.020517	0.3727755	0.8121805	16	0.8174555
ENSG00000169689	17	STRA13	79976578	rs9895872	17	79972901	T	C	0.558648	-0.004855	0.00835221	0.561054	0.618287	0.0569088	1.70E-27	-0.0078523	0.0135279	0.5616131	0.02167367	9	0.89016751
ENSG00000169750	17	RAC3	79989500	rs4969469	17	79978005	G	A	0.126243	0.00803972	0.0115107	0.484892	0.2614	0.0475968	3.97E-08	0.0307564	0.0443895	0.4883878	0.00723289	4	0.86791667
ENSG00000169738	17	DCXR	79993012	rs56169754	17	79996746	C	A	0.0994036	0.0340808	0.0113357	0.00264271	0.234655	0.0427106	3.93E-08	0.145238	0.055068	0.00835376	0.8065708	7	0.29082583
ENSG00000176155	17	CCDC57	80059336	rs3935816	17	80137173	T	C	0.484095	-0.0123511	0.00809232	0.126942	-0.245422	0.0351858	3.06E-12	0.050326	0.0337533	0.1359626	0.7754696	10	0.66222016
ENSG00000181396	17	OGFOD3	80347099	rs4789769	17	80373452	T	C	0.251491	-0.0003183	0.0101285	0.974928	-0.591363	0.0710162	8.28E-17	0.00053829	0.0171275	0.9749277	0.02803936	16	0.99106084
ENSG00000178927	17	C17orf62	80400465	rs9303029	17	80408815	T	C	0.127237	-0.0239175	0.0107878	0.0266171	-0.394515	0.0719341	4.15E-08	0.0606251	0.0294943	0.03983214	0.7071836	6	0.48722943
ENSG00000263063	17	RP11-388C12.1	80671784	rs12941965	17	80677407	C	A	0.242545	-0.0130062	0.0101935	0.201979	0.719155	0.122489	4.33E-09	-0.0180854	0.0145051	0.2124607	0.2028945	6	0.70958937
ENSG00000141560	17	FN3KRP	80674559	rs58867683	17	80679455	A	T	0.406561	0.00284553	0.00848782	0.737437	-0.629961	0.0558953	1.84E-29	-0.004517	0.0134795	0.7375493	0.4261694	20	0.93606022
ENSG00000175711	17	B3GNTL1	80900031	rs57923322	17	81009636	G	T	0.229622	0.00156324	0.00869716	0.857356	-0.548303	0.0689817	1.89E-15	-0.0028511	0.015866	0.8573916	0.950892	11	0.97475956
ENSG00000261888	17	AC144831.1	81061205	rs34843029	17	81071421	C	G	0.457256	-0.0025146	0.00828074	0.761384	-0.416969	0.0728079	1.02E-08	0.00603054	0.0198873	0.7617096	0.9301492	3	0.94103875
ENSG00000263006	18	ROCK1P1	109065	rs55665716	18	104374	A	T	0.298211	0.00218301	0.00840388	0.795047	0.95139	0.0938323	3.70E-24	0.00229455	0.00883616	0.795113	0.4086393	20	0.95565198
ENSG00000079101	18	CLUL1	596988	rs12955797	18	589353	C	G	0.28827	-0.0042813	0.00851332	0.615039	0.746262	0.0939633	1.99E-15	-0.005737	0.0114308	0.6157463	0.4637757	13	0.90062993
ENSG00000266456	18	RP11-806L2.2	650229	rs11662536	18	587730	C	T	0.293241	-0.0022029	0.00874391	0.801089	0.655222	0.0933977	2.29E-12	-0.0033621	0.0133536	0.8012147	0.6195867	9	0.95663979
ENSG00000101574	18	METTL4	2537524	rs7245104	18	2556623	T	A	0.510934	-0.0168183	0.00806843	0.0371185	0.39513	0.0670179	3.73E-09	-0.042564	0.0216583	0.04938518	0.2410561	5	0.53025051
ENSG00000266513	18	RP11-874J12.3	3770017	rs4798127	18	3770469	T	G	0.529821	0.00395012	0.00825469	0.632274	-0.535194	0.0709154	4.46E-14	-0.0073807	0.0154547	0.6329553	0.586889	20	0.90754256
ENSG00000263753	18	LINC00667	5232875	rs9948693	18	5247432	T	C	0.387674	0.00299857	0.00830116	0.717933	0.649623	0.072792	4.48E-19	0.00461586	0.0127889	0.7181537	0.6955161	20	0.93305022
ENSG00000261738	18	RP11-945C19.1	5748818	rs9963191	18	5724014	C	T	0.238569	0.0266963	0.0103103	0.00961723	-0.865635	0.0737399	8.04E-32	-0.0308401	0.012197	0.01145487	0.7477585	20	0.34601618
ENSG00000266441	18	RP11-91I8.3	6728820	rs12458555	18	6713505	T	C	0.487078	-0.0010357	0.00806343	0.897797	-0.580148	0.0926304	3.78E-10	0.00178525	0.0139018	0.8978179	0.3517678	4	0.97900309
ENSG00000088756	18	ARHGAP28	6729717	rs72882524	18	6729258	T	C	0.342942	0.00332855	0.00867483	0.7012	0.522387	0.0871913	2.08E-09	0.00637181	0.0166402	0.7017809	0.6241547	9	0.92859872
ENSG00000263797	18	RP11-146G7.2	6873398	rs6506449	18	6880179	T	C	0.296223	0.00778236	0.00931705	0.40356	0.693907	0.0884299	4.26E-15	0.0112153	0.0135028	0.4062058	0.3217538	15	0.82870557
ENSG00000128791	18	TWSG1	9334765	rs16954996	18	9357199	A	G	0.100398	0.020973	0.0193558	0.278565	-0.403905	0.0661633	1.03E-09	-0.0519256	0.0486707	0.2860279	0.3614772	6	0.76436273
ENSG00000263627	18	RP11-692N5.1	9615262	rs589559	18	9623052	A	G	0.73161	-0.0043888	0.0106231	0.679507	-0.874431	0.0976218	3.33E-19	0.005019	0.0121615	0.6798295	0.2383283	16	0.92288062
ENSG00000154856	18	APCDD1	10454625	rs473877	18	10520309	G	C	0.349901	0.00535368	0.00869165	0.537923	0.192441	0.0343744	2.16E-08	0.0278199	0.0454378	0.5403644	0.6044687	6	0.8813815
ENSG00000134265	18	NAPG	10525902	rs516472	18	10556672	A	G	0.393638	0.00690445	0.00862348	0.423331	-0.150415	0.026218	9.63E-09	-0.0459027	0.0578869	0.4277941	0.1530384	13	0.84621731
ENSG00000267079	18	RP11-820I16.1	11910633	rs604427	18	11948554	G	A	0.337972	-0.0014514	0.00836774	0.862298	0.854	0.0966522	9.94E-19	-0.0016995	0.00980018	0.8623235	0.8171599	15	0.97475956
ENSG00000267108	18	RP11-861E21.1	12432896	rs34448712	18	12439062	C	A	0.152087	0.0218674	0.0134036	0.102795	0.960226	0.116805	2.02E-16	0.0227732	0.014231	0.1095434	0.939024	7	0.63551762
ENSG00000267199	18	RP11-861E21.2	12438889	rs59992891	18	12440858	C	G	0.428429	-0.0023139	0.00825618	0.779277	-0.694036	0.0766335	1.35E-19	0.00333395	0.0119016	0.7793806	0.40442	20	0.95093618
ENSG00000267336	18	RP11-773H22.2	12912843	rs4797717	18	12911423	C	T	0.698807	-0.0087416	0.00825784	0.289792	-0.937484	0.108083	4.18E-18	0.00932449	0.00887387	0.2933595	0.1861422	8	0.77217832
ENSG00000101639	18	CEP192	12991361	rs482360	18	13137992	C	G	0.61829	-0.0027098	0.00820364	0.741163	-0.837632	0.0740772	1.20E-29	0.00323505	0.00979803	0.7412689	0.9729735	20	0.93606022
ENSG00000175322	18	ZNF519	14057456	rs9958799	18	14132402	C	G	0.229622	0.00025724	0.00989117	0.979252	0.290075	0.0458288	2.46E-10	0.00088679	0.034099	0.9792523	0.1112975	9	0.99106084
ENSG00000180777	18	ANKRD30B	14728271	rs56197653	18	14800467	G	A	0.544732	0.0064773	0.00821026	0.430154	-0.445098	0.0732463	1.23E-09	-0.0145525	0.0186008	0.4340021	0.2936622	10	0.85025809
ENSG00000141452	18	C18orf8	21083473	rs1652343	18	21131929	C	T	0.475149	-0.0102833	0.00806329	0.202196	0.392886	0.0549922	9.04E-13	-0.0261737	0.0208476	0.2093056	0.03854437	16	0.70391756
ENSG00000141458	18	NPC1	21086148	rs1652376	18	21109466	T	G	0.445328	-0.0125116	0.00806634	0.120881	0.201279	0.0355226	1.46E-08	-0.0621605	0.0415498	0.1346415	0.02386426	7	0.66222016
ENSG00000266489	18	RP11-178F10.3	22096847	rs1791270	18	22123778	T	C	0.392644	0.0201557	0.00851826	0.0179726	1.27986	0.0789923	4.86E-59	0.0157484	0.00672622	0.01921466	0.4917907	11	0.38577673
ENSG00000260372	18	AQP4-AS1	24235706	rs232346	18	24510922	T	A	0.530815	0.00171184	0.00813354	0.833303	-1.00199	0.0804315	1.27E-35	-0.0017084	0.00811855	0.8333268	0.5205017	15	0.9675662
ENSG00000134765	18	DSC1	28709199	rs2851996	18	28723232	C	T	0.692843	-0.0054096	0.00928012	0.559945	0.759244	0.106675	1.10E-12	-0.007125	0.0122638	0.5612544	0.6718477	5	0.89016751
ENSG00000134779	18	TPGS2	34359987	rs1662922	18	34829958	G	A	0.145129	0.00942132	0.0109192	0.388235	0.258428	0.0424954	1.19E-09	0.0364563	0.0426755	0.3929576	0.9914928	10	0.82273105
ENSG00000152223	18	EPG5	43427574	rs11082496	18	43476386	C	G	0.550696	0.0104134	0.00807386	0.197131	-0.317566	0.0448598	1.45E-12	-0.0327913	0.0258427	0.2044842	0.7041622	10	0.70391756
ENSG00000152240	18	HAUS1	43684298	rs72903449	18	43684561	A	C	0.0536779	0.00272876	0.0178673	0.878616	0.80532	0.146015	3.48E-08	0.00338842	0.0221951	0.8786623	0.1803176	3	0.97615419
ENSG00000270112	18	RP11-742D12.2	44336450	rs60202374	18	44342705	G	C	0.492048	-0.0177736	0.00812199	0.0286451	0.552308	0.0522345	3.95E-26	-0.0321806	0.0150172	0.03211967	0.1776785	20	0.45725743
ENSG00000078043	18	PIAS2	44388353	rs641366	18	44430326	T	C	0.479125	0.00412179	0.00808	0.609965	0.277896	0.0480455	7.29E-09	0.0148321	0.0291885	0.6113481	0.2119296	10	0.89918729
ENSG00000101751	18	POLI	51795774	rs34162186	18	51825773	G	C	0.428429	-0.0003254	0.0080909	0.967915	-0.442514	0.0632	2.53E-12	0.00073543	0.0182842	0.9679159	0.4907336	9	0.98941756
ENSG00000197563	18	PIGN	59710800	rs7232010	18	59816120	C	T	0.625249	-0.0007824	0.0082458	0.92441	-0.387927	0.0540542	7.14E-13	0.00201677	0.0212579	0.9244168	0.1432628	20	0.98372284
ENSG00000267390	18	RP11-635N19.1	61034561	rs61734938	18	61034790	G	T	0.131213	-0.0052246	0.0122898	0.670755	0.658564	0.0998473	4.23E-11	-0.0079333	0.0187002	0.6713957	0.7253194	4	0.91884947
ENSG00000263958	18	RP11-676J15.1	70535623	rs7233078	18	70555287	T	C	0.0904573	0.0240349	0.0149256	0.107328	1.24831	0.144987	7.32E-18	0.019254	0.012164	0.1134519	0.5534121	9	0.64363416

ENSG00000133313	18	CNDP2	72163051	rs1365249	18	72164097	A	G	0.301193	0.0036411	0.00874838	0.677262	0.399294	0.0630121	2.35E-10	0.00911885	0.0219568	0.6779165	0.6959613	10	0.92288062
ENSG00000264247	18	LINC00909	72259010	rs7505289	18	72264406	G	A	0.852883	0.00502044	0.0118153	0.670902	-0.463817	0.0747119	5.36E-10	-0.0108242	0.0255337	0.6716254	0.9301455	7	0.91884947
ENSG00000166377	18	ATP9B	76829285	rs2015612	18	77112916	C	A	0.291252	-0.002325	0.00872548	0.789889	0.358426	0.0636699	1.81E-08	-0.0064866	0.0243711	0.7901181	0.3685465	7	0.95382821
ENSG00000267127	18	RP11-795F19.5	77794346	rs72976317	18	77848209	T	C	0.861829	0.00662401	0.0131125	0.613441	-0.926378	0.133569	4.05E-12	-0.0071504	0.0141921	0.6143788	0.3887569	20	0.89999199
ENSG00000261126	18	RBFADN	77806900	rs613847	18	77845644	A	G	0.143141	-0.0060675	0.0129341	0.638991	0.960599	0.109475	1.71E-18	-0.0063164	0.0134838	0.6394701	0.6603045	20	0.91019594
ENSG00000267251	18	AC139100.3	77941563	rs1050919	18	77906500	T	C	0.16998	-0.0026805	0.00984046	0.785319	0.673293	0.107047	3.18E-10	-0.0039812	0.0146291	0.7855146	0.9102621	14	0.95332026
ENSG00000099866	19	MADCAM1	489176	rs3999751	19	488476	C	G	0.440358	-0.0036035	0.00820386	0.66049	-0.621664	0.0816462	2.65E-14	0.00579646	0.0132186	0.6610171	0.4314477	8	0.91859148
ENSG00000266933	19	AC005775.2	490046	rs10424907	19	488506	G	A	0.402584	-0.0035636	0.00823997	0.665399	-0.752295	0.0906335	1.04E-16	0.00473692	0.010968	0.6658238	0.1073583	12	0.91884947
ENSG00000267751	19	AC009005.2	567212	rs12608452	19	563639	C	T	0.162028	-0.0025021	0.00960194	0.794415	-0.975359	0.135974	7.33E-13	0.0025653	0.00985101	0.7945476	0.6921332	6	0.95536852
ENSG00000065268	19	WDR18	983174	rs2240149	19	990819	A	G	0.59841	-0.0056639	0.00817986	0.488673	-0.597485	0.058499	1.72E-24	0.0094796	0.0137219	0.4896681	0.1532448	20	0.86791667
ENSG00000182087	19	TMEM259	1009647	rs2240160	19	1011215	A	G	0.172962	0.0102974	0.0097719	0.291983	0.428567	0.0480275	4.52E-19	0.0240275	0.0229598	0.295328	0.022402	14	0.77270386
ENSG00000207357	19	RNU6-2	1021521	rs117481827	19	1021627	C	T	0.132207	0.0238256	0.0144659	0.0995543	0.926936	0.122361	3.58E-14	0.0257036	0.0159707	0.1075248	0.08515336	13	0.63551762
ENSG00000099817	19	POLR2E	1086594	rs6843	19	1088285	C	T	0.755467	0.00190824	0.00911844	0.834235	-0.46518	0.0497788	9.19E-21	-0.0041022	0.0196069	0.8342764	0.02510577	11	0.96762126
ENSG00000160953	19	MUM1	1285890	rs713042	19	1357082	C	T	0.76839	0.00780822	0.00859599	0.36369	-0.55235	0.0743056	1.06E-13	-0.0141364	0.0156783	0.3672432	0.9033924	8	0.81680835
ENSG00000115266	19	APC2	1446300	rs3894776	19	1457370	T	C	0.582505	-0.0003327	0.00854577	0.968943	0.391862	0.0660288	2.94E-09	-0.0008491	0.0218086	0.9689438	0.9754376	3	0.98942165
ENSG00000115255	19	REEP6	1491165	rs791470	19	1490703	A	G	0.37674	-0.0065759	0.00833822	0.43032	-0.32787	0.0482108	1.04E-11	0.0200564	0.0256019	0.4333955	0.6833832	6	0.85025809
ENSG00000065000	19	AP3D1	2100988	rs12609225	19	2100346	G	A	0.209742	-0.0130506	0.00902345	0.148092	-0.238984	0.0382868	4.32E-10	0.0546087	0.0387579	0.1588439	0.4536904	4	0.67619452
ENSG00000104899	19	AMH	2249308	rs4807216	19	2248683	T	C	0.838966	-0.0159906	0.0108075	0.138984	1.12644	0.10377	1.89E-27	-0.0141957	0.0096831	0.1426406	0.2839541	10	0.66222016
ENSG00000130332	19	LSM7	2321516	rs12977961	19	2326897	T	C	0.619284	-0.0014032	0.00818766	0.863922	0.391694	0.046958	7.34E-17	-0.0035825	0.0209076	0.8639506	0.08179065	17	0.97475956
ENSG00000099800	19	TIMM13	2425622	rs6945	19	2426828	C	G	0.44831	0.020336	0.00808891	0.0119349	0.404685	0.0438763	2.88E-20	0.0502514	0.0207174	0.01528453	0.5484018	14	0.36210503
ENSG00000176533	19	GNG7	2511217	rs56211570	19	2518483	C	A	0.314115	0.00529215	0.00928701	0.568784	-0.243952	0.037675	9.47E-11	-0.0216934	0.0382161	0.5702724	0.6203288	6	0.89127357
ENSG00000172006	19	ZNF554	2819872	rs10424313	19	2824116	C	T	0.751491	-0.0118473	0.0117062	0.311514	-0.370873	0.0603421	7.94E-10	0.0319444	0.031989	0.3179857	0.637397	14	0.78475979
ENSG00000060558	19	GNA15	3136191	rs170159	19	3149990	C	G	0.765408	-0.0017659	0.0097744	0.856629	-0.858214	0.0856575	1.26E-23	0.00205766	0.0113911	0.8566521	0.2209167	14	0.97475956
ENSG00000183397	19	C19orf71	3539152	rs7253540	19	3539488	A	G	0.146123	-0.0202958	0.0119674	0.0899001	-0.495113	0.0864801	1.03E-08	0.0409923	0.0252092	0.1039324	0.9517741	5	0.63225442
ENSG00000126934	19	MAP2K2	4090319	rs111772780	19	4125199	T	C	0.0745527	0.00349946	0.0163156	0.830168	0.495929	0.0830827	2.39E-09	0.00705637	0.0329203	0.8302763	0.7900919	3	0.96549177
ENSG00000077463	19	SIRT6	4174106	rs2159982	19	4186215	C	A	0.135189	-0.0172083	0.0117079	0.141615	0.568542	0.0767735	1.31E-13	-0.0302674	0.0209945	0.1493924	0.3509237	7	0.66222016
ENSG00000105248	19	CCDC94	4247076	rs34674639	19	4257378	T	C	0.308151	0.0171587	0.0087544	0.0499942	0.466933	0.0637218	2.34E-13	0.0367477	0.0194078	0.05829873	0.9108476	15	0.5596292
ENSG00000178078	19	STAP2	4324040	rs11882358	19	4328860	C	T	0.517893	0.0179933	0.00805945	0.025577	0.508568	0.0870954	5.25E-09	0.0353803	0.0169662	0.03703795	0.3780817	15	0.48016086
ENSG00000267980	19	AC007292.6	4363786	rs11666453	19	4368797	A	G	0.239563	-0.0025136	0.0108971	0.817573	-0.656194	0.0945704	3.96E-12	0.00383057	0.0166157	0.8176726	0.02833541	9	0.9628767
ENSG00000167670	19	CHAF1A	4402659	rs11670503	19	4458063	G	A	0.264414	-0.0145322	0.0103175	0.158981	-0.450108	0.0611976	1.91E-13	0.032286	0.0233388	0.1665538	0.00304366	12	0.67999547
ENSG00000167671	19	UBXN6	4444996	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.396521	0.0463648	1.21E-17	0.0123698	0.0277986	0.6563352	0.03697093	12	0.91470231
ENSG00000267769	19	CTB-50L17.9	4454011	rs56153949	19	4457518	G	C	0.239563	-0.0049049	0.0110078	0.655898	-0.809437	0.101894	1.96E-15	0.00605962	0.0136207	0.6564044	0.08131966	9	0.91470231
ENSG00000176840	19	MIR7-3HG	4769117	rs3760955	19	4772202	C	A	0.333996	-0.0106249	0.00850479	0.211562	-0.631822	0.0526532	3.57E-33	0.0168163	0.0135335	0.2140269	0.1298697	20	0.71009944
ENSG00000196365	19	LONP1	5691845	rs3892355	19	5696962	A	G	0.314115	0.00181731	0.00865393	0.833669	-0.494009	0.0636534	8.43E-15	-0.0036787	0.0175242	0.833729	0.6423591	17	0.9675662
ENSG00000141994	19	DUS3L	5784843	rs113649884	19	5795083	G	A	0.196819	-0.0070684	0.00965774	0.464233	-0.57764	0.0613435	4.66E-21	0.0122368	0.0167697	0.4655778	0.4341547	13	0.85681817
ENSG00000266983	19	CTC-232P5.1	5978414	rs2067089	19	5942090	A	C	0.422465	0.0133539	0.00837342	0.110758	-0.651502	0.103655	3.27E-10	-0.0204971	0.0132598	0.1221501	0.9351952	8	0.65227447
ENSG00000181240	19	SLC25A41	6426048	rs2860181	19	6436305	T	C	0.487078	-0.017558	0.00829139	0.0342074	0.832168	0.0755287	3.13E-28	-0.0210991	0.010146	0.03756617	0.5456727	17	0.48016086
ENSG00000205744	19	DENND1C	6467218	rs3745571	19	6475613	C	T	0.601392	0.00142257	0.00813298	0.861148	0.438934	0.0750829	5.04E-09	0.00324097	0.0185372	0.8612089	0.1001588	4	0.97475956
ENSG00000125734	19	GPR108	6729925	rs340135	19	6737239	C	T	0.322068	0.00414335	0.00835337	0.619888	-0.795034	0.0643076	4.14E-35	-0.0052115	0.0105154	0.6201691	0.05421756	13	0.90272968
ENSG00000268758	19	EMR4P	6952511	rs7252712	19	7003499	T	G	0.593439	0.00530996	0.00827461	0.521057	-0.701511	0.0843585	9.11E-17	-0.0075693	0.0118305	0.5222928	0.9724027	11	0.87741473
ENSG00000104883	19	PEX11G	7541761	rs34970001	19	7550844	A	G	0.303181	-0.0111607	0.00929583	0.229901	-0.33754	0.0566494	2.55E-09	0.0330648	0.0280935	0.2392123	0.00326451	4	0.73450129
ENSG00000104938	19	CLEC4M	7828035	rs868876	19	7831226	T	A	0.293241	0.0144448	0.00874744	0.0986734	-0.697012	0.0935374	9.21E-14	-0.0207239	0.0128544	0.1069172	0.03109089	5	0.63551762
ENSG00000268297	19	CLEC4GP1	7852435	rs77872764	19	7853275	A	G	0.240557	-0.0103806	0.0105176	0.323655	1.11383	0.0890271	6.49E-36	-0.0093197	0.00947207	0.3251561	0.3136306	19	0.78543469
ENSG00000269139	19	CTD-3193O13.8	7990886	rs7899	19	7991679	A	T	0.302187	0.00605874	0.00858081	0.480138	0.801834	0.0985768	4.15E-16	0.0075561	0.0107417	0.4817847	0.06490675	10	0.86429075
ENSG00000267939	19	CTD-2325M2.1	8073613	rs34470441	19	8084529	T	G	0.407555	0.0202803	0.00813135	0.0126282	-0.526211	0.0835024	2.94E-10	-0.0385402	0.0166189	0.02039158	0.09471118	11	0.39016878
ENSG00000233927	19	RPS28	8386042	rs2972572	19	8390313	G	A	0.535785	0.00852923	0.00808756	0.291603	-0.358524	0.0343997	1.96E-25	-0.0237898	0.0226731	0.2940617	0.6156564	10	0.77217832
ENSG00000269386	19	RAB11B-AS1	8439257	rs72996752	19	8454236	G	A	0.265408	-0.0012485	0.00854806	0.883881	-0.462203	0.0645651	8.14E-13	0.00270109	0.018498	0.8839054	0.685657	10	0.97615419
ENSG00000099785	19	2-Mar	8478154	rs17160489	19	8508391	A	G	0.67495	-0.0280355	0.00921028	0.00233507	-0.455552	0.0547304	8.54E-17	0.0615418	0.0215274	0.00425287	0.4465203	20	0.28555348
ENSG00000130803	19	ZNF317	9251056	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	-0.839624	0.118048	1.14E-12	0.0303771	0.0172706	0.07859605	0.8043858	8	0.60277764
ENSG00000188000	19	OR7D2	9296279	rs73494602	19	9264401	A	G	0.0656064	-0.0255053	0.0140504	0.0694816	1.6212	0.166262	1.83E-22	-0.0157324	0.00881557	0.07432452	0.9074633	11	0.58550756
ENSG00000188321	19	ZNF559	9434448	rs28384491	19	9434872	T	C	0.0864811	-0.0028244	0.0173061	0.870359	-1.29428	0.12359	1.16E-25	0.00218222	0.0133728	0.8703741	0.4164361	10	0.97609174
ENSG00000174652	19	ZNF266	9523272	rs11673364	19	9528277	A	C	0.559642	0.00140206	0.00809189	0.862441	0.896258	0.0625681	1.54E-46	0.00156435	0.00902919	0.8624513	0.8967736	20	0.97475956
ENSG00000267289	19	CTD-2623N2.11	9944755	rs730554	19	9961546	A	G	0.657058	-0.0067318	0.00848688	0.427658	-0.634885	0.0977171	8.18E-11	0.0106032	0.0134668	0.4310714	0.03831688	4	0.84896467
ENSG00000129347	19	KRI1	10663761	rs3218222	19	10676681	C	T	0.777336	-0.0139953	0.00948008	0.139867	0.638603	0.0604877	4.69E-26	-0.0219155	0.0149895	0.1437247	0.100877	18	0.66222016
ENSG00000267100	19	ILF3-AS1	10762538	rs10408721	19	10758319	T	C	0.61829	0.0141	0.00857009	0.0999148	0.404973	0.0675463	2.03E-09	0.0348171	0.0219445	0.1126028	0.4409114	3	0.64284556
ENSG00000267174	19	CTC-510F12.4	11411453	rs322159	19	11412773	C	T	0.293241	0.0114288	0.00891793	0.2	-0.655967	0.0913422	6.90E-13	-0.0174228	0.0138099	0.2070849	0.4856573	9	0.70391756
ENSG00000242852	19	ZNF709	12571998	rs10424999	19	12537550	C	T	0.494036	0.0049032	0.00807902	0.543914	0.498618	0.080316	5.36E-10	0.00983358	0.0162801	0.5458264	0.8735814	10	0.8813815
ENSG00000269560	19	CTD-2192J16.21	12640582	rs7252992	19	12641060	T	A	0.700795	0.0151389	0.00925534	0.101905	-0.636095	0.0999165	1.94E-10	-0.0237997	0.0150228	0.1131395	0.6108607	6	0.64312041
ENSG00000213290	19	PGK1P2	12670385	rs2059850	19	12664147	A	C	0.647117	0.00456166	0.00824773	0.580208	-0.685146	0.103048	2.95E-11	-0.0066579	0.0120795	0.5815124	0.8232243	11	0.89127357
ENSG00000105607	19	GCDH	13001840	rs2965216	19	13071082	A	G	0.484095	0.00364131	0.00810126	0.65309	-0.472526	0.0461862	1.44E-24	-0.0077061	0.0171611	0.6534018	0.06042125	15	0.91384759
ENSG00000179218	19	CALR	13049392	rs3111316	19	13038415	A	G	0.625249	-0.0072088	0.0086519	0.404731	0.307431	0.0524074	4.46E-09	-0.0234484	0.028425	0.4094162	0.5385739	6	0.83183077
ENSG00000037757	19	MRI1	13875346	rs62111893	19	13874258	T	G	0.414513	-0.0047543	0.00815023	0.55967	-0.653326	0.0745169	1.83E-18	0.00727704	0.0125026	0.5605371	0.7464045	4	0.89016751
ENSG00000104979	19	C19orf53	13884982	rs11671697	19	13886829	G	T	0.255467	0.00176435	0.00899444	0.844485	-0.374212	0.046338	6.71E-16	-0.0047148	0.0240428	0.8445302	0.3007686	4	0.9729333
ENSG00000141854	19	hsa-mir-1199	14183348	rs73508199	19	14174535	C	T	0.37674	0.01036	0.0083102	0.212524	0.459705	0.0576666	1.56E-15	0.0225362	0.018297	0.2180647	0.938347	16	0.71593382
ENSG00000105143	19	SLC1A6	15060846	rs62113320	19	15091008	C	T	0.314115	-0.0007637	0.00839397	0.92751	0.212187	0.036136	4.31E-09	-0.003599	0.0395641	0.9275189	0.8909601	4	0.9842157
ENSG00000105127	19	AKAP8	15464196	rs8107077	19	15494566	C	A	0.739563	-0.0158676	0.0100212	0.113328	-0.483597	0.0779544	5.52E-10	0.0328116	0.0213866	0.1249764	0.5218791	6	0.65409865
ENSG00000186529	19	CYP4F3	15751707	rs1290617	19	15751897	G	T	0.426441	-0.0041973	0.00851787	0.622179	-0.77645	0.0949829	2.97E-16	0.00540578	0.0109902	0.6228087	0.06121405	12	0.90296505
ENSG00000267594	19	CYP4F24P	15871051	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	-1.08634	0.0793696	1.21E-42	0.00517625	0.0075207	0.4912844	0.8187376	20	0.86791667
ENSG00000268673	19	LLNLR-249E10.1	15871185	rs56180406	19	15890800	G	A	0.59841	-0.0056232	0.0081597	0.490736	0.775502	0.105544	2.02E-13	-0.007251	0.010568	0.4926323	0.6468816	7	0.86791667
ENSG00000105072	19	C19orf44	16607122	rs9989671	19	16608211	G	A	0.841948	0.0105515	0.00989169	0.286103	0.714062	0.0931735	1.81E-14	0.0147767	0.0139862	0.2907314	0.2593366	4	0.77182265
ENSG00000188039	19	NWD1	16830787	rs12983375	19	16831060	T	C	0.435388	0.00295434	0.00846322	0.727029	-0.466292	0.047714	1.48E-22	-0.0063358	0.0181616	0.7271964	0.1381009	9	0.93570456
ENSG00000099330	19	OCEL1	17337013	rs736128	19	17339435	A	G	0.326044	0.00159342	0.00847892	0.850933	0.437727	0.064177	9.06E-12	0.00364021	0.0193777	0.8509896	0.9959165	7	0.97447029
ENSG00000130312	19	MRPL34	17403418	rs7253389	19	17415781	T	G	0.426441	-0.0009474	0.00826353	0.908724	0.471027	0.0484836	2.60E-22	-0.0020114	0.0175449	0.9087304	0.3107196	14	0.98043565
ENSG00000248099	19	INSL3	17927321	rs3212779	19	17941827	A	G	0.198807	-0.019941	0.00904952	0.0275569	0.81673	0.139416	4.68E-09	-0.0244157	0.0118381	0.03916358	0.2833641	3	0.48722943
ENSG00000096996	19	IL12RB1	18169805	rs404733	19	18169997	T	A	0.505964	0.00619222	0.00808226	0.443587	-0.358521	0.062169	8.08E-09	-0.0172716	0.0227414	0.4475676	0.07325354	4	0.85269709
ENSG00000130518	19	KIAA1683	18367908	rs12983444	19	18386367	G	A	0.529821	0.0156013	0.00814835	0.0555367	-0.448043	0.0697666	1.34E-10	-0.034821	0.0189776	0.06652844	0.6883864	13	0.57158494
ENSG00000254901	19	MEF2BNB	19287712	rs11669860	19	19277296	A	G	0.511928	-0.0132928	0.0081856	0.104393	0.223366	0.0387998	8.57E-09	-0.0595113	0.0380767	0.1180685	0.7277652	4	0.64702295
ENSG00000181896	19	ZNF101	19779605	rs56129543	19	19820475	C	G	0.341948	-0.0011623	0.00905096	0.897817	0.584405	0.0928953	3.15E-10	-0.0019889	0.0154907	0.8978381	0.3538224	14	0.97900309
ENSG00000266904	19	LINC00663	19868175	rs247783	19	19867394	C	T	0.416501	0.00769092	0.00806985	0.340568	0.41991	0.0695733	1.58E-09	0.0183156	0.0194562	0.3465103	0.8692138	4	0.80555318
ENSG00000081665	19	ZNF506	19896648	rs7248808	19	19923100	G	A	0.380716	0.00143816	0.0080961	0.859009	0.450894	0.071061	2.22E-10	0.00318957	0.0179627	0.8590634	0.9470371	17	0.97475956
ENSG00000197124	19	ZNF682	20107867	rs2286922	19	20150175	C	G	0.816103	-0.0084921	0.00983378	0.387829	-0.470266	0.0860485	4.63E-08	0.018058	0.0211705	0.3936714	0.7408817	6	0.82273105
ENSG00000188171	19	ZNF626	20802867	rs4644960	19	20831268	C	T	0.22664	0.00979987	0.00941814	0.298093	0.442119	0.0693749	1.85E-10	0.0221657	0.0215843	0.304452	0.9760887	18	0.77675425
ENSG00000172687	19	ZNF738	21541732	rs8099863	19	21571691	G	A	0.257455	-0.0157244	0.00888589	0.0767945	-0.685288	0.0851776	8.60E-16	0.0229457	0.0132766	0.08393802	0.04581669	20	0.60963459
ENSG00000213976	19	CTD-2561J22.2	21565667	rs1827225	19	21567360	G	A	0.444334	-0.0204693	0.00806048	0.0111025	-0.447356	0.0743179	1.75E-09	0.0457562	0.0195558	0.01929549	0.08591622	9	0.38577673
ENSG00000196268	19	ZNF493	21579921	rs2173728	19	21599880	G	A	0.7167	0.00237698	0.00890252	0.789469	0.386761	0.0651113	2.85E-09	0.00614586	0.0230414	0.7896759	0.06777395	16	0.95382821
ENSG00000268658	19	LINC00664	21666176	rs6511238	19	21584508	C	A	0.517893	0.00936377	0.00806826	0.245817	-0.674801	0.0949873	1.21E-12	-0.0138763	0.012115	0.2520497	0.3174942	19	0.73719186
ENSG00000268555	19	RP11-678G14.3	21753624	rs67876192	19	21753089	C	A	0.333996	0.00610305	0.0084794	0.471679	-0.694082	0.0883028	3.83E-15	-0.008793	0.0122678	0.4735274	0.9299496	20	0.85935571
ENSG00000268535	19	RP11-420K14.3	21892324	rs6511291	19	21950402	C	T	0.558648	-0.0002329	0.00806833	0.976969	-0.955346	0.0834413	2.37E-30	0.00024381	0.00844548	0.9769695	0.1708843	20	0.99106084
ENSG00000160321	19	ZNF208	22115760	rs699639	19	22120805	C	G	0.457256	-0.008177	0.00806618	0.310707	0.714821	0.115675	6.43E-10	-0.0114392	0.011435	0.3171321	0.5055511	15	0.78475979
ENSG00000197134	19	ZNF257	22235254	rs191067451	19	22288201	A	G	0.269384	0.0148269	0.00920148	0.107102	-0.859229	0.123633	3.66E-12	-0.0172561	0.0109931	0.1164801	0.8854274	19	0.64624497
ENSG00000197360	19	ZNF98	22573821	rs2935281	19	22630650	A	G	0.177932	0.00303561	0.0102624	0.767384	0.428137	0.078305	4.56E-08	0.00709028	0.024005	0.7677133	0.07715363	7	0.94307627
ENSG00000270947	19	AC025811.3	22638790	rs2957817	19	22637364	A	G	0.17992	0.00305197	0.010266	0.766246	0.553701	0.0927757	2.40E-09	0.00551195	0.0185637	0.7665268	0.4737045	3	0.94279219
ENSG00000269332	19	CTC-457E21.3	22779059	rs1807159	19	22778183	G	C	0.0646123	-0.0059895	0.0204844	0.769988	1.25859	0.172915	3.37E-13	-0.0047589	0.0162888	0.7701676	0.662409	9	0.94446526
ENSG00000269416	19	CTB-175P5.4	23582035	rs687611	19	23632060	C	G	0.252485	-0.0074773	0.00933646	0.423205	0.735168	0.084639	3.76E-18	-0.0101709	0.0127536	0.4251663	0.138967	20	0.84537524
ENSG00000196172	19	ZNF681	23921997	rs62114213	19	24095640	G	T	0.181909	0.021982	0.0102652	0.0322411	-0.646076	0.0905656	9.76E-13	-0.0340239	0.0165889	0.04026715	0.5315403	14	0.49048096
ENSG00000261770	19	CTC-459F4.1	28248092	rs2080080	19	28334082	T	C	0.838966	0.013692	0.00916493	0.135186	-1.43194	0.107774	2.77E-40	-0.0095619	0.00644069	0.1376498	0.8225715	14	0.66222016
ENSG00000267264	19	CTC-459F4.6	28294446	rs12976414	19	28335731	G	A	0.837972	0.0138116	0.00916794	0.131935	0.677375	0.0981972	5.27E-12	0.0203899	0.0138535	0.1410696	0.7993858	15	0.66222016
ENSG00000267623	19	AC022153.1	28393503	rs12976414	19	28335731	G	A	0.837972	0.0138116	0.00916794	0.131935	0.720922	0.0953083	3.91E-14	0.0191582	0.0129667	0.1395438	0.8947854	20	0.66222016
ENSG00000264515	19	CTC-525D6.1	29777918	rs11671079	19	29900846	A	G	0.544732	0.00954947	0.00812932	0.240116	0.398172	0.0649126	8.57E-10	0.0239833	0.0207876	0.2486113	0.3234918	4	0.73465091
ENSG00000267213	19	AC007773.2	32880956	rs10409835	19	32888660	A	G	0.162028	0.0118241	0.0096783	0.221816	-0.725843	0.113305	1.49E-10	-0.0162902	0.0135742	0.230107	0.5080484	12	0.73131069
ENSG00000105185	19	PDCD5	33071974	rs34040260	19	33074614	C	A	0.374751	0.00106248	0.0080843	0.895439	0.647904	0.063961	4.08E-24	0.00163987	0.0124787	0.8954478	0.1484421	15	0.97900309
ENSG00000105186	19	ANKRD27	33087913	rs446899	19	33111584	C	T	0.699801	-0.0154823	0.0086325	0.0728937	0.666953	0.0912711	2.72E-13	-0.0232135	0.0133273	0.08154427	0.02642332	20	0.60808371
ENSG00000021488	19	SLC7A9	33321415	rs61743316	19	33366829	G	C	0.186879	0.0068217	0.0102418	0.505371	-0.756748	0.0787553	7.34E-22	-0.0090145	0.0135664	0.5063895	0.6139523	20	0.87138801
ENSG00000121289	19	CEP89	33369902	rs10425372	19	33418589	A	C	0.393638	0.00198135	0.00811142	0.807024	-0.391207	0.0662907	3.60E-09	-0.0050647	0.0207521	0.8071861	0.9310793	7	0.9602103
ENSG00000131941	19	RHPN2	33469499	rs10411739	19	33616327	C	T	0.356859	-0.0044364	0.00873081	0.611361	-0.233055	0.0399494	5.42E-09	0.0190358	0.0376043	0.6127066	0.7711138	16	0.89981582
ENSG00000166359	19	WDR88	33622996	rs11666137	19	33635043	T	C	0.0815109	0.00694285	0.0133057	0.601812	1.23762	0.167806	1.64E-13	0.00560984	0.0107779	0.6027192	0.4696515	20	0.89572075
ENSG00000124299	19	PEPD	33877856	rs1061338	19	33878198	G	A	0.254473	-0.0111023	0.00941832	0.238477	0.699728	0.0851689	2.11E-16	-0.0158666	0.0135978	0.2432714	0.7080722	20	0.73450129
ENSG00000268751	19	SCGB1B2P	35067638	rs2862790	19	35222814	C	T	0.963221	0.0208117	0.03047	0.494593	0.912115	0.1633	2.33E-08	0.022817	0.0336547	0.4977892	0.03506543	8	0.86791667
ENSG00000197841	19	ZNF181	35225060	rs4806052	19	35243100	G	A	0.317097	-0.0127216	0.00861651	0.13983	-0.471202	0.0642546	2.24E-13	0.0269982	0.0186532	0.1477908	0.8058247	10	0.66222016
ENSG00000105668	19	UPK1A	36157715	rs113878408	19	36177746	T	C	0.195825	0.00487795	0.0087381	0.576681	0.974705	0.124841	5.83E-15	0.00500454	0.00898775	0.577652	0.2587821	12	0.89127357
ENSG00000225872	19	AC002398.5	36279778	rs75120684	19	36288595	C	G	0.028827	0.0221798	0.0202265	0.272829	-1.28967	0.114684	2.44E-29	-0.017198	0.0157579	0.2750992	0.7879754	19	0.75641258
ENSG00000105258	19	POLR2I	36604612	rs10419924	19	36614462	C	A	0.709742	0.00059916	0.00951878	0.94981	0.25753	0.0441451	5.42E-09	0.00232656	0.036964	0.9498134	0.09631685	5	0.98751784
ENSG00000161281	19	COX7A1	36641824	rs1227916	19	37235887	A	G	0.402584	0.00208439	0.00810935	0.797152	0.399675	0.0696671	9.64E-09	0.00521521	0.0203102	0.7973503	0.7336879	5	0.95632975
ENSG00000232677	19	LINC00665	36803969	rs2967501	19	36825029	C	T	0.631213	0.00377864	0.00838207	0.652134	-0.558565	0.0748449	8.46E-14	-0.0067649	0.0150338	0.6527248	0.6228323	17	0.91384759
ENSG00000233527	19	AC092295.7	37063972	rs3108186	19	37184970	C	T	0.599404	-0.0001717	0.00835614	0.983604	-0.813825	0.0881606	2.68E-20	0.00021101	0.0102678	0.9836041	0.5447632	16	0.9924555
ENSG00000198453	19	ZNF568	37407231	rs10420859	19	37470033	C	G	0.15507	0.00956122	0.0107473	0.373659	0.54768	0.0887986	6.93E-10	0.0174577	0.0198264	0.3785742	0.4458844	13	0.8205763
ENSG00000226686	19	AC012309.5	37742814	rs73025481	19	37837339	A	G	0.372763	-0.0063589	0.00850274	0.454543	1.41548	0.0937737	1.76E-51	-0.0044924	0.00601433	0.4550953	0.06141892	20	0.85681817
ENSG00000196381	19	ZNF781	38158652	rs56374286	19	38116793	C	T	0.578529	0.0031468	0.00806033	0.696237	-0.552925	0.0722132	1.91E-14	-0.0056912	0.0145966	0.696611	0.03111059	20	0.92702227
ENSG00000198182	19	ZNF607	38187264	rs62108355	19	38228211	A	G	0.212724	-0.0138275	0.00963408	0.151209	0.535998	0.0915264	4.74E-09	-0.0257977	0.018506	0.1633137	0.151754	9	0.67999547
ENSG00000267422	19	CTD-2554C21.1	38270326	rs2909100	19	38212680	T	C	0.83002	-0.016527	0.00977474	0.0908783	0.809043	0.123172	5.09E-11	-0.0204278	0.0124757	0.1015451	0.421334	20	0.63021019
ENSG00000268055	19	AC067969.2	39026157	rs73032627	19	39029132	G	A	0.0447316	0.00951624	0.0268273	0.722798	-1.0589	0.16262	7.44E-11	-0.0089869	0.0253726	0.7231912	0.0901667	12	0.93391705
ENSG00000187994	19	RINL	39358470	rs8110393	19	39360720	A	G	0.464215	-0.0121137	0.00806787	0.133232	-0.46691	0.0835588	2.30E-08	0.0259444	0.0178922	0.1470479	0.9362239	10	0.66222016
ENSG00000104825	19	NFKBIB	39390340	rs3136642	19	39398416	G	A	0.405567	-0.0054068	0.00822182	0.510784	0.298034	0.0462189	1.13E-10	-0.0181417	0.0277299	0.5129661	0.9963352	4	0.87373016
ENSG00000269486	19	CTC-360G5.9	39425976	rs12985277	19	39405559	T	C	0.267396	-0.0067314	0.00967931	0.486779	-0.639942	0.103122	5.45E-10	0.0105188	0.01522	0.4894933	0.9014507	17	0.86791667
ENSG00000105341	19	ATP5SL	41937223	rs878083	19	41897688	A	G	0.585487	-0.0031252	0.00839741	0.709771	0.403105	0.0599193	1.73E-11	-0.0077529	0.0208637	0.7101932	0.6443385	4	0.93202811
ENSG00000176531	19	PHLDB3	43979106	rs2021091	19	43963333	T	C	0.588469	0.00280861	0.00847106	0.740227	0.387812	0.0678882	1.11E-08	0.00724219	0.02188	0.7406471	0.6547611	6	0.93606022
ENSG00000073050	19	XRCC1	44047192	rs2682588	19	44087726	G	C	0.187873	-0.0085778	0.0105162	0.414683	0.34067	0.0605945	1.89E-08	-0.0251793	0.0311924	0.4195356	0.8860476	6	0.83980935
ENSG00000104783	19	KCNN4	44270685	rs8109812	19	44298494	A	C	0.419483	0.00607261	0.0081441	0.455882	-0.72553	0.0828215	1.95E-18	-0.0083699	0.0112656	0.4575066	0.773591	20	0.85681817
ENSG00000268601	19	AC115522.3	44298461	rs1386502	19	44293356	C	T	0.420477	0.00616788	0.00814384	0.44883	-0.4439	0.0762908	5.94E-09	-0.0138948	0.0185009	0.4526334	0.9699962	5	0.85658884
ENSG00000159871	19	LYPD5	44300081	rs12611428	19	44299420	A	G	0.422465	0.00591067	0.00814629	0.468105	-0.292218	0.0445012	5.15E-11	-0.0202269	0.0280471	0.4708008	0.2564463	17	0.85733378
ENSG00000176222	19	ZNF404	44376515	rs108775	19	44405922	C	G	0.512922	-0.0039527	0.00806048	0.623866	-0.517012	0.0590176	1.95E-18	0.00764526	0.0156149	0.6244081	0.7780374	20	0.90296505
ENSG00000267058	19	RP11-15A1.3	44395956	rs411803	19	44432840	C	T	0.516899	-0.0048563	0.00809066	0.548349	-0.434274	0.0699139	5.25E-10	0.0111826	0.0187171	0.5502046	0.675724	10	0.88412409
ENSG00000167384	19	ZNF180	44979854	rs2571115	19	44997046	C	A	0.65507	-0.0059105	0.00827977	0.47532	0.546415	0.0756415	5.06E-13	-0.0108169	0.0152267	0.4774627	0.4741765	20	0.86100048
ENSG00000266903	19	CTB-171A8.1	45135500	rs79638902	19	45221767	C	T	0.849901	0.00628818	0.0101281	0.534689	-1.34218	0.119777	3.82E-29	-0.0046851	0.00755758	0.5353145	0.4785992	13	0.8813815
ENSG00000073008	19	PVR	45147098	rs2919845	19	45181228	G	A	0.767396	0.00226478	0.00913589	0.804212	0.351529	0.0598976	4.39E-09	0.00644265	0.0260122	0.8043833	0.9975752	6	0.95844932
ENSG00000142252	19	GEMIN7	45582453	rs3178166	19	45594170	G	A	0.463221	0.00099062	0.00807698	0.902387	-0.451484	0.0539615	5.92E-17	-0.0021941	0.0178918	0.9023972	0.9483201	9	0.98018796
ENSG00000117877	19	CD3EAP	45909467	rs11882642	19	45933493	C	T	0.365805	-0.0186026	0.00841135	0.0269942	-0.390805	0.0700732	2.45E-08	0.0476007	0.0231537	0.03979593	0.4664776	4	0.48722943
ENSG00000204866	19	IGFL2	46646363	rs2080619	19	46641771	T	G	0.650099	-0.003161	0.00810978	0.6967	-0.85734	0.116751	2.08E-13	0.00368701	0.00947255	0.6971054	0.08485876	12	0.92702227
ENSG00000169515	19	CCDC8	46913629	rs12052159	19	46929619	A	G	0.332008	-0.0022207	0.00892099	0.803419	-0.318716	0.0531973	2.08E-09	0.00696752	0.0280146	0.8035846	0.1320312	6	0.95841357
ENSG00000230510	19	PPP5D1	46984053	rs181383459	19	47122571	C	G	0.0129225	0.0431353	0.0301657	0.152733	-1.51751	0.272549	2.58E-08	-0.0284251	0.0205235	0.1660527	0.2741079	4	0.67999547
ENSG00000204851	19	PNMAL2	46990163	rs7247674	19	46986345	C	A	0.259443	-0.0076518	0.00866796	0.377361	-0.227407	0.0335776	1.27E-11	0.033648	0.0384389	0.3813761	0.5624128	12	0.82149871
ENSG00000105287	19	PRKD2	47177532	rs62134780	19	47188303	A	G	0.347913	-0.0228947	0.00824037	0.00546349	-0.494632	0.0628421	3.52E-15	0.0462863	0.017667	0.00879482	0.00472447	13	0.29305964
ENSG00000134815	19	DHX34	47852538	rs2694542	19	47894509	C	T	0.356859	0.00041951	0.00853304	0.960789	0.312289	0.0489628	1.79E-10	0.00134335	0.027325	0.9607903	0.5665259	6	0.98751784
ENSG00000105486	19	LIG1	48618702	rs16981519	19	48651190	T	C	0.39165	0.00031905	0.00816422	0.968828	0.342556	0.0617531	2.90E-08	0.00093137	0.0238338	0.9688286	0.8269354	5	0.98942165
ENSG00000105483	19	CARD8	48684027	rs116950953	19	48732930	T	C	0.0427435	0.0637044	0.0283751	0.0247628	-0.471196	0.080481	4.78E-09	-0.135197	0.064495	0.03606048	0.3936763	3	0.47953822
ENSG00000105479	19	CCDC114	48799714	rs2690847	19	48855082	A	T	0.73161	0.0004847	0.00895997	0.956859	0.620098	0.0942794	4.79E-11	0.00078164	0.0144498	0.9568605	0.9647471	15	0.98751784
ENSG00000105447	19	GRWD1	48949030	rs1799273	19	48951879	C	T	0.884692	0.0187294	0.0121339	0.122695	0.398341	0.0707857	1.83E-08	0.0470185	0.0315862	0.1365986	0.5491479	5	0.66222016
ENSG00000182324	19	KCNJ14	48958766	rs1643481	19	48984178	C	G	0.87674	0.00983345	0.0112253	0.381026	-0.708362	0.0965382	2.17E-13	-0.013882	0.0159594	0.3843928	0.2883806	15	0.82273105
ENSG00000232871	19	SEC1P	49141328	rs4365394	19	49145513	T	C	0.732604	0.00254457	0.00841135	0.762258	0.521296	0.0867111	1.83E-09	0.00488124	0.0161559	0.7625499	0.1118537	3	0.941095
ENSG00000142233	19	NTN5	49164664	rs660745	19	49219459	C	T	0.491054	0.00793334	0.00813777	0.32962	0.384877	0.0695999	3.21E-08	0.0206127	0.0214699	0.3370181	0.9023263	9	0.80083235
ENSG00000183207	19	RUVBL2	49496705	rs181408618	19	49511736	T	C	0.0954274	-0.0160316	0.0116118	0.167392	-0.446383	0.0668098	2.37E-11	0.0359145	0.0265627	0.1763543	0.4814485	4	0.68257826
ENSG00000074219	19	TEAD2	49843852	rs184790	19	49816519	G	A	0.722664	0.0102282	0.00870144	0.239811	-0.328765	0.0568523	7.35E-09	-0.031111	0.0270083	0.2493604	0.1840921	7	0.73465091

ENSG00000268686	19	AC010524.2	49871962	rs10408609	19	49896049	G	A	0.235586	0.0139887	0.0108159	0.195894	-0.522543	0.0850055	7.89E-10	-0.0267704	0.0211518	0.2056433	0.5067283	7	0.70391756
ENSG00000161618	19	ALDH16A1	49956426	rs7259076	19	49956274	G	C	0.752485	-0.0141522	0.00873578	0.105226	-0.689337	0.0676216	2.11E-24	0.0205302	0.0128318	0.1096098	0.00150222	9	0.63551762
ENSG00000126464	19	PRR12	50094900	rs3745475	19	50100295	G	A	0.215706	0.00938822	0.00975539	0.335868	0.275683	0.0414302	2.85E-11	0.0340544	0.0357544	0.3408674	0.00733641	17	0.80555318
ENSG00000126456	19	IRF3	50162826	rs112226575	19	50176187	T	C	0.167992	-0.0069038	0.0110728	0.532962	0.360409	0.0655476	3.83E-08	-0.0191554	0.0309198	0.535574	0.2980299	3	0.8813815
ENSG00000169169	19	CPT1C	50194155	rs113717727	19	50199154	A	G	0.16004	-0.0339178	0.0128789	0.00844851	-0.321341	0.0550506	5.31E-09	0.105551	0.043969	0.01636932	0.01365836	4	0.36786557
ENSG00000039650	19	PNKP	50364461	rs2257103	19	50370066	T	C	0.406561	0.00596491	0.00831595	0.473198	0.491163	0.0572852	1.00E-17	0.0121445	0.0169903	0.4747397	0.4526355	12	0.85935571
ENSG00000131401	19	NAPSB	50837053	rs4802696	19	50849211	A	G	0.306163	-0.0095307	0.00877496	0.277425	-0.706439	0.0711971	3.33E-23	0.0134911	0.0124956	0.2802882	0.1170519	11	0.76113949
ENSG00000086967	19	MYBPC2	50936160	rs1726808	19	50960201	C	T	0.664016	0.00118218	0.00836912	0.887669	-0.613753	0.110698	2.95E-08	-0.0019262	0.0136404	0.8877047	0.2202514	4	0.9770144
ENSG00000204653	19	ASPDH	51014857	rs12327751	19	50968890	T	G	0.590457	0.00156921	0.00813157	0.846977	-0.371259	0.0587564	2.64E-10	-0.0042267	0.0219129	0.847047	0.7017835	14	0.97328151
ENSG00000180279	19	CTD-2568A17.5	51320937	rs7258582	19	51308225	T	A	0.27336	0.00735378	0.00920792	0.424501	0.982858	0.0967546	3.04E-24	0.00748204	0.00939742	0.4259277	0.925527	7	0.84602828
ENSG00000129451	19	KLK10	51515995	rs2569451	19	51520200	T	C	0.553678	-0.0069231	0.00818022	0.397372	-0.729988	0.0952828	1.84E-14	0.00948388	0.0112741	0.4002318	0.8319925	8	0.82288793
ENSG00000254415	19	SIGLEC14	52145806	rs73052830	19	52160765	C	A	0.130219	-0.0085021	0.0100876	0.399328	-0.831899	0.115099	4.91E-13	0.0102201	0.0122082	0.4025081	0.09256343	11	0.8240298
ENSG00000161551	19	ZNF577	52359055	rs60088244	19	52401444	A	G	0.188867	0.00855429	0.00989565	0.387341	-0.531198	0.0720815	1.71E-13	-0.0161038	0.0187567	0.3905817	0.7743114	15	0.82273105
ENSG00000198093	19	ZNF649	52392477	rs59911578	19	52385597	C	G	0.0924453	0.00645664	0.0128788	0.616131	-0.652472	0.0913256	9.04E-13	-0.0098957	0.019787	0.6169984	0.7174473	20	0.90088656
ENSG00000269235	19	HCCAT3	52452387	rs7258701	19	52445069	T	C	0.107356	-0.007703	0.0141462	0.586079	1.05568	0.123137	1.01E-17	-0.0072967	0.0134271	0.5868333	0.7913977	20	0.89350301
ENSG00000221923	19	ZNF880	52873170	rs8104812	19	52887437	C	A	0.420477	0.00917225	0.00827603	0.267736	0.983213	0.0705924	4.28E-44	0.00932885	0.00844394	0.2692467	0.1739323	18	0.75133905
ENSG00000167555	19	ZNF528	52901102	rs1585207	19	52915816	C	G	0.770378	-0.0011893	0.00917112	0.896819	0.609659	0.0686696	6.80E-19	-0.0019508	0.0150446	0.8968298	0.449569	15	0.97900309
ENSG00000198633	19	ZNF534	52932440	rs17836094	19	52922410	A	G	0.0874751	-0.0099118	0.0163217	0.543667	1.10541	0.156007	1.38E-12	-0.0089666	0.0148194	0.54514	0.3890066	12	0.8813815
ENSG00000167766	19	ZNF83	53097313	rs62118479	19	53119965	A	G	0.348907	-0.0170462	0.00834363	0.0410506	0.444393	0.0552916	9.19E-16	-0.0383584	0.0193724	0.04769779	0.6483477	17	0.52276179
ENSG00000213020	19	ZNF611	53206066	rs3929241	19	53204870	T	C	0.240557	-0.0209322	0.00991807	0.0348137	-0.519073	0.0813386	1.75E-10	0.0403261	0.0201251	0.04509424	0.1808239	10	0.51467796
ENSG00000268225	19	CTD-2331H12.5	53365060	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.587004	0.067876	5.23E-18	-0.0197476	0.0143701	0.1693753	0.3161112	17	0.68081994
ENSG00000182986	19	ZNF320	53367043	rs3810115	19	53400760	A	C	0.513917	0.0115919	0.00832812	0.163955	-0.739769	0.0627762	4.71E-32	-0.0156696	0.011336	0.1668827	0.7797091	13	0.67999547
ENSG00000242779	19	ZNF702P	53471504	rs329744	19	53541112	A	C	0.827038	-0.0097736	0.010364	0.345663	-0.586174	0.0815432	6.55E-13	0.0166736	0.0178323	0.349775	0.1409379	4	0.80990234
ENSG00000269001	19	ZNF818P	53716241	rs11673357	19	53700807	C	T	0.798211	-0.0108801	0.00952774	0.253481	-0.661203	0.08246	1.07E-15	0.016455	0.0145551	0.258252	0.03031127	14	0.7427307
ENSG00000241015	19	TPM3P9	53935237	rs8102802	19	53948000	G	A	0.803181	-0.0038324	0.0103182	0.710322	-0.869335	0.103372	4.11E-17	0.00440846	0.0118806	0.7105909	0.692053	20	0.93212806
ENSG00000213777	19	CTD-2224J9.8	54006646	rs1284534	19	54010958	T	C	0.248509	0.00533026	0.0091639	0.560797	0.78386	0.121209	9.99E-11	0.00680002	0.0117379	0.5623733	0.4581465	11	0.8903988
ENSG00000130433	19	CACNG6	54495542	rs415129	19	54514785	A	G	0.306163	-0.0011873	0.00857498	0.889881	0.680742	0.0847573	9.62E-16	-0.0017441	0.0125984	0.889897	0.08411282	11	0.97766034
ENSG00000170906	19	NDUFA3	54606036	rs661676	19	54603173	G	A	0.10338	0.0176434	0.0131139	0.178496	0.344846	0.0599379	8.75E-09	0.0511631	0.0390542	0.1901774	0.01810839	6	0.69088256
ENSG00000167608	19	TMC4	54663846	rs36641	19	54643387	C	A	0.205765	0.00245162	0.0095875	0.798174	0.616936	0.0911999	1.34E-11	0.00397386	0.0155516	0.7983157	0.3245372	14	0.95632975
ENSG00000170889	19	RPS9	54704610	rs2304524	19	54705340	G	C	0.420477	-0.0060312	0.00821989	0.463115	-0.263702	0.0359225	2.12E-13	0.0228711	0.0313264	0.4653361	0.1210492	6	0.85681817
ENSG00000268496	19	CTD-2587H19.2	54945363	rs7247430	19	54981255	G	A	0.342942	0.0009872	0.00811118	0.90313	0.39309	0.0633522	5.48E-10	0.00251138	0.0206384	0.9031484	0.9446865	15	0.98024231
ENSG00000267838	19	AC008746.12	54949847	rs8106697	19	54954429	T	A	0.304175	0.00117408	0.00937173	0.900303	-0.465044	0.0713193	7.00E-11	-0.0025247	0.0201561	0.9003211	0.9494378	4	0.97937368
ENSG00000022556	19	NLRP2	55464498	rs514148	19	55474502	G	A	0.432406	-0.0026768	0.00823073	0.745013	0.676563	0.0850297	1.77E-15	-0.0039565	0.0121757	0.7452197	0.8830932	20	0.93648451
ENSG00000088053	19	GP6	55525073	rs1654409	19	55524620	G	T	0.593439	-1.62E-05	0.0083176	0.998441	0.465022	0.0734876	2.49E-10	-3.49E-05	0.0178865	0.9984413	0.8906489	11	0.99887256
ENSG00000180089	19	TMEM86B	55738007	rs10419308	19	55739813	A	G	0.184891	-0.0147959	0.0111418	0.18419	0.514614	0.0732302	2.10E-12	-0.0287515	0.022034	0.1919374	0.499754	8	0.6923312
ENSG00000108107	19	RPL28	55896713	rs17700376	19	55897327	G	A	0.37674	0.0024536	0.008364	0.769253	-0.266447	0.035381	5.04E-14	-0.0092086	0.0314147	0.7694227	0.8285576	8	0.94420356
ENSG00000142409	19	ZNF787	56598732	rs2279413	19	56614768	G	C	0.125249	-0.0080097	0.010618	0.450642	0.484906	0.081151	2.30E-09	-0.0165179	0.0220708	0.4542152	0.03288944	10	0.85681817
ENSG00000266907	19	AC006116.22	56831159	rs12978696	19	56895496	T	C	0.138171	0.0164073	0.0111887	0.142535	0.670174	0.115751	7.05E-09	0.0244821	0.0172224	0.1551626	0.630079	8	0.66936961
ENSG00000267454	19	ZNF582-AS1	56905025	rs12610115	19	56915855	A	C	0.492048	-0.0024952	0.00819003	0.760624	-0.66035	0.0795468	1.03E-16	0.00377859	0.0124109	0.7607798	0.1664616	11	0.94074281
ENSG00000198046	19	ZNF667	56950694	rs60732696	19	56982610	C	T	0.170974	-0.0149993	0.0128798	0.244196	0.339027	0.0564799	1.94E-09	-0.0442422	0.0386989	0.2529376	0.2932158	4	0.73719186
ENSG00000166770	19	ZNF667-AS1	56988619	rs3971706	19	57006069	A	G	0.72167	-0.008557	0.00831014	0.303147	-0.622339	0.0737666	3.27E-17	0.0137498	0.0134522	0.3067226	0.06590815	20	0.77791801
ENSG00000269696	19	AC007228.11	57056935	rs2286422	19	57047859	T	C	0.281312	-0.0204452	0.00898737	0.0229129	0.735255	0.0800406	4.08E-20	-0.027807	0.0125927	0.02723195	0.129942	20	0.42271621
ENSG00000267871	19	CTC-444N24.6	57778588	rs10404485	19	57790063	C	T	0.26839	-0.0010114	0.00981578	0.917931	0.77566	0.104849	1.38E-13	-0.001304	0.012656	0.917939	0.8980459	11	0.9811959
ENSG00000131845	19	ZNF304	57862675	rs12973051	19	57877882	G	A	0.439364	-0.0010365	0.00807224	0.897831	-0.433206	0.0690511	3.53E-10	0.0023926	0.0186376	0.8978523	0.4531097	9	0.97900309
ENSG00000186272	19	ZNF17	57922531	rs11667293	19	57942588	G	T	0.634195	-0.0043077	0.00823519	0.600918	0.646325	0.0981024	4.45E-11	-0.0066649	0.0127817	0.6020604	0.5977185	5	0.89572075
ENSG00000186230	19	ZNF749	57946697	rs7255035	19	57943697	G	A	0.505964	-0.0019558	0.00808678	0.808893	1.15222	0.0749689	2.63E-53	-0.0016974	0.0070193	0.8089165	0.8183431	20	0.9606919
ENSG00000178201	19	VN1R1	57966542	rs7254867	19	57989075	T	G	0.360835	-0.0272628	0.00887893	0.00213693	0.488179	0.0858764	1.31E-08	-0.0558459	0.0206714	0.0069007	0.3568068	5	0.29082583
ENSG00000268266	19	AC003005.2	57989017	rs67586127	19	57969810	G	A	0.359841	-0.0262137	0.00888697	0.00318105	-0.687281	0.106409	1.06E-10	0.0381412	0.0142152	0.00729393	0.9729096	6	0.29082583
ENSG00000105136	19	ZNF419	57999079	rs12461717	19	58009020	G	A	0.682903	-0.0020721	0.00913606	0.820578	-0.717737	0.0894668	1.04E-15	0.00288696	0.0127341	0.8206479	0.1188012	18	0.96361351
ENSG00000121406	19	ZNF549	58038693	rs2285668	19	58062274	T	C	0.271372	-0.0001998	0.00988255	0.983872	0.379752	0.0586179	9.27E-11	-0.0005261	0.0260238	0.9838724	0.00642418	5	0.9924555
ENSG00000083828	19	ZNF586	58281023	rs11668314	19	58378516	G	A	0.435388	-0.0081633	0.00813234	0.315472	-0.444348	0.0680456	6.57E-11	0.0183714	0.0185167	0.3211233	0.203871	20	0.78475979
ENSG00000204514	19	ZNF814	58360099	rs58209649	19	58378924	G	A	0.362823	0.00932773	0.00823622	0.257413	-0.509632	0.0606348	4.28E-17	-0.0183029	0.0163072	0.2616999	0.134147	20	0.74525345
ENSG00000270804	19	CTD-2583A14.11	58379253	rs10406133	19	58379986	T	C	0.287276	0.00582301	0.0084775	0.49216	0.594617	0.080824	1.88E-13	0.00979287	0.0143191	0.4940359	0.112532	12	0.86791667
ENSG00000173480	19	ZNF417	58411664	rs28374851	19	58361328	C	G	0.289264	0.0121378	0.00832495	0.144839	0.419634	0.0763131	3.82E-08	0.0289247	0.0205241	0.158745	0.7492968	7	0.67619452
ENSG00000196724	19	ZNF418	58433252	rs60861531	19	58426783	T	C	0.243539	0.0103512	0.00874936	0.236779	-0.597193	0.0649861	3.95E-20	-0.0173331	0.0147717	0.2406368	0.230582	20	0.73450129
ENSG00000176593	19	CTD-2368P22.1	58513429	rs8105738	19	58495660	C	G	0.703777	0.0156433	0.0088611	0.0774997	-0.635946	0.0696204	6.57E-20	-0.0245985	0.0141916	0.08303958	0.06787227	20	0.60944745
ENSG00000121413	19	ZSCAN18	58595205	rs2014592	19	58593174	G	A	0.765408	-0.0022319	0.00919611	0.808236	0.426999	0.067757	2.94E-10	-0.005227	0.0215526	0.8083759	0.9779053	10	0.9606919
ENSG00000171574	19	ZNF584	58912871	rs893187	19	58963018	G	C	0.250497	0.00595604	0.00891681	0.504162	0.428728	0.0599682	8.73E-13	0.0138924	0.0208889	0.5060121	0.2198915	20	0.87138801
ENSG00000213753	19	RPL23AP79	59084870	rs895374	19	59066918	C	A	0.596421	-0.0073105	0.00848721	0.389044	0.466304	0.045913	3.11E-24	-0.0156775	0.0182664	0.3907426	0.69681	20	0.82273105
ENSG00000269600	19	AC016629.3	59105263	rs2305122	19	59056752	C	G	0.215706	-0.0212471	0.0101363	0.0360703	-0.744749	0.120341	6.07E-10	0.0285292	0.0143699	0.04710559	0.376162	6	0.51923614
ENSG00000101255	20	TRIB3	361261	rs62191440	20	360225	C	A	0.437376	0.00621094	0.00809408	0.442877	0.508466	0.0810736	3.57E-10	0.0122151	0.0160373	0.4462607	0.8050236	7	0.85269709
ENSG00000125818	20	PSMF1	1093906	rs6032877	20	1094698	T	C	0.122266	0.0157585	0.0138798	0.256227	-0.650466	0.112601	7.62E-09	-0.0242265	0.0217465	0.265261	0.6628713	4	0.74950452
ENSG00000101307	20	SIRPB1	1544167	rs6136377	20	1896288	G	A	0.374751	-0.0020542	0.00836397	0.805994	1.19798	0.0806521	6.59E-50	-0.0017147	0.00698268	0.8060198	0.999966	20	0.9596479
ENSG00000230839	20	RP5-968J1.1	1784662	rs687913	20	1785597	C	T	0.658052	-0.0163918	0.00833145	0.0491292	0.408964	0.0623569	5.44E-11	-0.0400813	0.021269	0.05949857	0.09325244	6	0.56175527
ENSG00000101365	20	IDH3B	2639041	rs6115486	20	2654190	C	T	0.266402	0.0137103	0.0092879	0.139904	-0.208948	0.0374576	2.43E-08	-0.0656158	0.0459808	0.1535721	0.9010369	5	0.66561777
ENSG00000125877	20	ITPA	3189514	rs7270101	20	3193893	C	A	0.129225	-0.0024956	0.0146584	0.864813	-0.891976	0.0834578	1.16E-26	0.00279783	0.0164357	0.8648301	0.1680506	20	0.97475956
ENSG00000088836	20	SLC4A11	3208063	rs1043159	20	3232031	T	C	0.292247	0.0213112	0.00938532	0.0231659	0.508828	0.0932505	4.85E-08	0.0418829	0.0199783	0.03604509	0.1793594	5	0.47953822
ENSG00000101236	20	RNF24	3907956	rs6116153	20	3996208	T	C	0.446322	-0.0211003	0.00807461	0.00897078	-0.392853	0.0614137	1.59E-10	0.0537104	0.0222026	0.01555894	0.2568262	11	0.36210503
ENSG00000089063	20	TMEM230	5080486	rs6053109	20	5077437	C	T	0.549702	0.00113687	0.00813993	0.888924	0.452832	0.0665773	1.03E-11	0.00251058	0.0179794	0.8889473	0.2700677	11	0.97750036
ENSG00000101290	20	CDS2	5107432	rs6053188	20	5174039	T	C	0.457256	-0.0074023	0.00826433	0.37042	0.271548	0.0463738	4.75E-09	-0.0272595	0.0307881	0.375947	0.6408411	8	0.81823339
ENSG00000230563	20	RP5-828H9.1	5451853	rs2423103	20	5483406	T	A	0.227634	0.00327026	0.00986192	0.740188	1.13694	0.124741	7.91E-20	0.00287637	0.00867983	0.7403533	0.8094458	6	0.93606022
ENSG00000125885	20	MCM8	5931298	rs236126	20	5978141	T	C	0.172962	-0.0031933	0.00987013	0.746292	-0.541076	0.0694612	6.72E-15	0.00590176	0.0182574	0.7465036	0.2743782	20	0.93648451
ENSG00000125827	20	TMX4	7957995	rs2294247	20	7999537	A	C	0.418489	0.0082748	0.0081581	0.310437	0.145353	0.0254921	1.18E-08	0.056929	0.0570072	0.3179753	0.2179712	9	0.78475979
ENSG00000089091	20	DZANK1	18364011	rs62217022	20	18693080	G	A	0.415507	0.0244478	0.00849723	0.00401282	0.268309	0.0486785	3.55E-08	0.0911181	0.0357246	0.01075463	0.3630631	20	0.33888774
ENSG00000101310	20	SEC23B	18488137	rs6081259	20	18610874	T	A	0.925447	0.00743421	0.0148231	0.616	-0.588141	0.0904376	7.86E-11	-0.0126402	0.0252781	0.6170442	0.5342333	7	0.90088656
ENSG00000232388	20	LINC00493	18548064	rs6045469	20	18546812	G	C	0.111332	-0.0031397	0.0120355	0.794193	-0.611815	0.0812269	4.99E-14	0.00513178	0.0196836	0.7943134	0.1354977	17	0.95536852
ENSG00000089101	20	C20orf26	20033158	rs6081861	20	20047266	A	T	0.585487	0.0256454	0.00818655	0.00173249	-0.500968	0.0725107	4.88E-12	-0.0511917	0.0179428	0.00433024	0.5730384	14	0.28555348
ENSG00000270001	20	RP11-218C14.8	23612463	rs2424582	20	23622550	A	G	0.781312	0.0199378	0.0098192	0.0423058	0.399367	0.0656254	1.16E-09	0.0499235	0.0259194	0.05409117	0.4631386	6	0.54611765
ENSG00000175170	20	FAM182B	25744102	rs449801	20	25491847	T	C	0.542744	-0.0015962	0.0081314	0.844376	0.852083	0.102094	7.06E-17	-0.0018733	0.00954561	0.8444192	0.1867052	20	0.9729333
ENSG00000125804	20	FAM182A	26035291	rs6138803	20	26096555	G	T	0.258449	-0.0047226	0.0101304	0.641083	-1.04448	0.124565	5.07E-17	0.0045215	0.00971397	0.6415991	0.4221451	20	0.91019594
ENSG00000198547	20	C20orf203	31219428	rs113955932	20	31284638	C	T	0.236581	-0.0027093	0.0100495	0.78747	0.66768	0.0772492	5.47E-18	-0.0040578	0.0150587	0.7875723	0.3780364	13	0.95332026
ENSG00000101460	20	MAP1LC3A	33134658	rs6088548	20	33215745	C	T	0.387674	-0.0120803	0.00864428	0.162265	-0.172688	0.027594	3.90E-10	0.0699545	0.0512901	0.1725996	0.0953016	20	0.68081994
ENSG00000126005	20	MMP24-AS1	33804265	rs2297789	20	33867248	T	A	0.200795	0.0204524	0.00965069	0.0340675	-0.710378	0.0661137	6.27E-27	-0.0287909	0.013847	0.03759797	0.7258326	10	0.48016086
ENSG00000224497	20	RPL36P4	34132175	rs7261820	20	34160840	A	G	0.147117	0.00105748	0.0139684	0.939653	1.22217	0.120558	3.76E-24	0.00086525	0.0114295	0.9396553	0.3012817	20	0.98751784
ENSG00000214078	20	CPNE1	34213953	rs6058374	20	34525838	C	G	0.10338	0.00843984	0.015302	0.581254	-1.02387	0.0890239	1.30E-30	-0.0082431	0.0149624	0.5816897	0.7137592	20	0.89127357
ENSG00000149636	20	DSN1	35380194	rs115694726	20	35423437	A	G	0.0407555	0.0302212	0.0206205	0.14276	-1.02329	0.16253	3.05E-10	-0.0295334	0.0206899	0.153457	0.6114469	4	0.66561777
ENSG00000101353	20	MROH8	35729629	rs1632309	20	35743143	C	A	0.467197	0.00789357	0.00817499	0.334257	0.437762	0.0701929	4.47E-10	0.0180316	0.018897	0.339979	0.09491849	14	0.80555318
ENSG00000224635	20	RP4-564F22.5	37034658	rs1000675	20	37043873	T	C	0.213718	0.00396149	0.0110458	0.719862	1.16288	0.0998811	2.50E-31	0.00340662	0.00950316	0.71999	0.2517254	20	0.93347541
ENSG00000196756	20	SNHG17	37049235	rs752774	20	37055015	A	G	0.159046	0.0113965	0.0110919	0.304203	1.25185	0.0981466	2.93E-37	0.00910373	0.00888911	0.3057673	0.6826415	20	0.77687941
ENSG00000101052	20	IFT52	42219571	rs73272191	20	42214362	T	C	0.0367793	0.00255787	0.0172698	0.882254	-0.945816	0.173326	4.85E-08	-0.0027044	0.0182659	0.8822972	0.8525031	14	0.97615419
ENSG00000101076	20	HNF4A	42984340	rs3746575	20	43058096	G	C	0.591451	-0.0040519	0.00825601	0.623583	0.433789	0.0645857	1.86E-11	-0.0093407	0.0190831	0.6245067	0.06170317	6	0.90296505
ENSG00000101104	20	PABPC1L	43538703	rs4931	20	43530234	C	A	0.290258	-0.0296176	0.00940345	0.00163467	-0.458871	0.068174	1.69E-11	0.0645445	0.0226252	0.00433403	0.9773369	7	0.28555348
ENSG00000124116	20	WFDC3	44376583	rs3746493	20	44418564	G	A	0.656064	-0.0072242	0.00853616	0.397382	1.03407	0.0919138	2.30E-29	-0.0069862	0.00827824	0.3987134	0.05517252	20	0.82273105
ENSG00000225849	20	MKRN7P	45092541	rs7266119	20	45100761	T	C	0.0576541	0.00111505	0.0183064	0.951431	1.20769	0.178545	1.34E-11	0.00092329	0.0151588	0.9514325	0.5296077	6	0.98751784
ENSG00000158296	20	SLC13A3	45186463	rs2745728	20	45191364	T	C	0.814115	-0.0018351	0.0114977	0.87319	-0.672157	0.0808676	9.42E-17	0.0027302	0.0171088	0.8732134	0.5127613	15	0.97609174
ENSG00000231742	20	RP11-112L6.4	48789087	rs6012867	20	48789745	C	T	0.34493	0.00748702	0.00845137	0.375675	0.904709	0.0980207	2.71E-20	0.00827561	0.00938447	0.3778625	0.3643018	12	0.82000125
ENSG00000124243	20	BCAS4	49411431	rs55742973	20	49491768	A	G	0.225646	0.00060269	0.0085666	0.943913	0.245225	0.0437453	2.07E-08	0.00245768	0.0349364	0.9439172	0.1330288	3	0.98751784
ENSG00000019186	20	CYP24A1	52769988	rs2248137	20	52789743	G	C	0.404573	-0.0048393	0.00840198	0.564639	-0.63995	0.0816759	4.68E-15	0.00756192	0.0131645	0.5656866	0.08218193	8	0.89127357
ENSG00000124164	20	VAPB	56964178	rs2268914	20	57015075	G	C	0.301193	-0.0138937	0.00811781	0.0869861	0.255716	0.0452287	1.57E-08	-0.0543325	0.0331681	0.1014012	0.03661681	5	0.63021019
ENSG00000215440	20	NPEPL1	57264187	rs8115194	20	57281809	T	C	0.242545	-0.0024027	0.0104325	0.817855	-0.306183	0.0487237	3.30E-10	0.0078471	0.0340956	0.8179753	0.279948	9	0.9628767
ENSG00000101158	20	NELFCD	57556263	rs17851253	20	57564695	T	C	0.119284	0.00182028	0.0108145	0.866332	-0.459848	0.0783615	4.40E-09	-0.0039584	0.0235272	0.8663872	0.8508468	3	0.97475956
ENSG00000101181	20	MTG2	60758085	rs6062133	20	60768615	A	G	0.135189	-0.0132231	0.0104603	0.206189	0.816775	0.0830989	8.45E-23	-0.0161894	0.0129123	0.2099164	0.7113237	11	0.70433755
ENSG00000130701	20	RBBP8NL	60985293	rs4925233	20	60998081	C	T	0.446322	0.00028835	0.0080671	0.971486	0.803289	0.0758841	3.47E-26	0.00035897	0.0100426	0.9714863	0.3314056	9	0.98965412
ENSG00000101190	20	TCFL5	61472467	rs1980500	20	61473841	C	T	0.274354	0.0195559	0.00915807	0.0327303	0.464816	0.0814378	1.15E-08	0.0420723	0.0210363	0.04550176	0.2885273	7	0.51587164
ENSG00000101191	20	DIDO1	61509090	rs6011447	20	61519232	T	C	0.298211	0.0170344	0.00873346	0.0511199	-0.273598	0.046775	4.94E-09	-0.0622607	0.0336487	0.06426829	0.728895	7	0.57130238
ENSG00000231133	20	HAR1B	61726845	rs74177992	20	61733718	C	T	0.246521	-0.0185472	0.00969712	0.055793	-0.591541	0.0997441	3.02E-09	0.031354	0.0172244	0.06870945	0.5505348	9	0.57403082
ENSG00000225978	20	HAR1A	61733483	rs750699	20	61735660	T	C	0.247515	-0.0150239	0.00944859	0.111818	-0.655927	0.0769241	1.50E-17	0.0229048	0.0146533	0.1180237	0.2933183	9	0.64702295
ENSG00000101197	20	BIRC7	61867235	rs6011653	20	61808584	G	A	0.610338	0.00454577	0.00824721	0.581504	0.784983	0.103993	4.41E-14	0.00579092	0.0105342	0.5825079	0.1986728	17	0.89127357
ENSG00000101198	20	NKAIN4	61872136	rs75829408	20	61883367	T	C	0.0914513	-0.0212714	0.0172104	0.216471	0.749457	0.0985794	2.90E-14	-0.0283824	0.0232653	0.2224854	0.2406183	12	0.72348534
ENSG00000101204	20	CHRNA4	61975420	rs45577639	20	61983311	A	G	0.230616	0.0294331	0.0101616	0.00377355	0.361135	0.0579715	4.68E-10	0.0815017	0.0310308	0.00862747	0.04002506	6	0.29082583
ENSG00000130584	20	ZBTB46	62375019	rs4809370	20	62470872	T	C	0.393638	0.00145674	0.00841188	0.862513	0.37502	0.0603308	5.10E-10	0.00388443	0.0224392	0.8625655	0.2313614	12	0.97475956
ENSG00000203880	20	PCMTD2	62887094	rs60461814	20	62887012	T	C	0.180915	-0.0163396	0.0123878	0.187168	-0.390125	0.0613794	2.07E-10	0.041883	0.0324299	0.1965335	0.5976763	4	0.69978378
ENSG00000149656	20	LINC00266-1	62921738	rs117793083	20	62911605	A	G	0.05666	0.0569029	0.019809	0.00407136	1.6433	0.209065	3.83E-15	0.0346272	0.0128342	0.00697473	0.3280909	4	0.29082583
ENSG00000228314	21	CYP4F29P	15215454	rs11701072	21	15352691	T	C	0.28827	0.0112765	0.00863359	0.191514	0.693324	0.102238	1.19E-11	0.0162644	0.0126813	0.1996505	0.8067938	3	0.70207968
ENSG00000183249	21	NF1P3	15373248	rs11701072	21	15352691	T	C	0.28827	0.0112765	0.00863359	0.191514	0.562553	0.0873547	1.20E-10	0.0200452	0.0156596	0.200525	0.3610404	3	0.70207968
ENSG00000224905	21	AP001347.6	15399742	rs1115648	21	15491398	G	A	0.323062	0.0019892	0.00861225	0.817336	0.590616	0.0873507	1.37E-11	0.00336801	0.0145903	0.8174401	0.9087331	18	0.9628767
ENSG00000224924	21	LINC00320	22114908	rs6518002	21	22163584	G	A	0.104374	0.00459396	0.0114246	0.687603	0.454616	0.0742601	9.24E-10	0.0101051	0.0251844	0.6882386	0.5769647	13	0.92403695
ENSG00000273492	21	AP000230.1	27543189	rs2045	21	27600057	C	T	0.234592	-0.0074507	0.00930951	0.423518	1.09921	0.0901868	3.59E-34	-0.0067782	0.00848751	0.4245153	0.2123362	20	0.84524028
ENSG00000156239	21	N6AMT1	30244513	rs2776210	21	30268558	G	A	0.671968	0.0023748	0.00886506	0.788789	0.461527	0.0559693	1.64E-16	0.00514553	0.0192182	0.788898	0.02657214	20	0.95332026
ENSG00000156253	21	RWDD2B	30376705	rs6516886	21	30393664	T	A	0.712724	-0.0216312	0.0106884	0.0429903	-0.742146	0.0667947	1.11E-28	0.0291468	0.014639	0.04647623	0.4702017	20	0.51856509
ENSG00000142207	21	URB1	33683329	rs11909249	21	33784580	T	C	0.0815109	0.0206885	0.0206263	0.315853	0.606874	0.0907154	2.23E-11	0.0340903	0.0343677	0.3212323	0.4282822	11	0.78475979
ENSG00000256073	21	C21orf119	33765439	rs8131844	21	33770087	G	A	0.114314	-0.0278884	0.015967	0.0807012	-0.535117	0.0943337	1.41E-08	0.0521165	0.0312207	0.09506003	0.00257389	3	0.62977339
ENSG00000243646	21	IL10RB	34638663	rs2834167	21	34640788	G	A	0.26839	-0.0158345	0.00867906	0.0680848	0.628929	0.0727343	5.29E-18	-0.0251769	0.0141036	0.0742377	0.1042515	6	0.58550756
ENSG00000241837	21	ATP5O	35275757	rs2834294	21	35280630	G	A	0.38668	-0.010546	0.00831616	0.204749	0.217079	0.0377556	8.95E-09	-0.0485814	0.0392301	0.2155791	0.2159241	10	0.7109941
ENSG00000159212	21	CLIC6	36041688	rs717579	21	36062986	G	A	0.183897	-0.0035926	0.010749	0.73821	0.713567	0.111802	1.74E-10	-0.0050347	0.0150844	0.7385552	0.1633631	6	0.93606022
ENSG00000231106	21	AP000688.8	37377636	rs61738607	21	37377631	A	G	0.348907	0.00376144	0.00841153	0.654748	0.716317	0.0935853	1.95E-14	0.00525108	0.0117628	0.6552972	0.3812864	12	0.91470231
ENSG00000185917	21	SETD4	37406839	rs2835263	21	37430245	A	G	0.371769	0.00257221	0.00825377	0.755313	-0.479066	0.064601	1.21E-13	-0.0053692	0.0172441	0.7555225	0.4816624	12	0.93994618
ENSG00000159228	21	CBR1	37442239	rs62229260	21	37437566	A	G	0.614314	0.0128833	0.00821009	0.116602	-0.237249	0.0417635	1.34E-08	-0.0543029	0.0359014	0.1303921	0.8371248	11	0.66222016
ENSG00000233393	21	AP000688.29	37477179	rs7280982	21	37468223	A	G	0.247515	-0.0161743	0.00954845	0.0902797	0.358786	0.0573847	4.04E-10	-0.0450806	0.0275727	0.102054	0.5781477	18	0.63021019
ENSG00000159231	21	CBR3	37507210	rs7283730	21	37495374	A	G	0.32505	0.00605172	0.00896622	0.499709	-0.505921	0.0679215	9.43E-14	-0.0119618	0.0177952	0.5014611	0.2454189	15	0.86976277
ENSG00000224790	21	AP000704.5	38338812	rs62225531	21	38346533	T	C	0.430417	0.00938889	0.00807649	0.245034	-1.05132	0.087545	3.19E-33	-0.0089306	0.00771815	0.2472366	0.2685444	20	0.73450129
ENSG00000185808	21	PIGP	38431470	rs2298682	21	38444890	G	A	0.49503	-0.002874	0.00819992	0.725967	-0.34187	0.0583396	4.63E-09	0.00840679	0.0240284	0.7264365	0.1991317	20	0.93555727
ENSG00000182670	21	TTC3	38445526	rs1003721	21	38492657	G	T	0.537773	0.00379382	0.00816842	0.642325	0.269704	0.0382813	1.85E-12	0.0140666	0.0303523	0.6430463	0.6476136	19	0.91158495
ENSG00000157542	21	KCNJ6	38979678	rs73220495	21	38989712	A	G	0.329026	-0.0144612	0.00838594	0.0846253	-0.248829	0.0395504	3.15E-10	0.058117	0.0349447	0.09628935	0.8253497	11	0.62977339
ENSG00000157578	21	LCA5L	40777770	rs8130246	21	40785851	G	A	0.526839	-0.0040669	0.00808821	0.615088	-1.03101	0.10029	8.65E-25	0.00394462	0.00785432	0.6155108	0.06407769	20	0.90062993
ENSG00000226496	21	LINC00323	42513427	rs9974272	21	42521711	G	A	0.193837	0.0251611	0.0113042	0.0260262	-0.661985	0.120086	3.54E-08	-0.0380086	0.0184156	0.03902458	0.4928698	8	0.48722943
ENSG00000141956	21	PRDM15	43218385	rs7281720	21	43285059	G	C	0.707753	-0.0149387	0.00971302	0.124047	-0.461037	0.0753465	9.42E-10	0.0324024	0.0217231	0.1358013	0.01249388	10	0.66222016
ENSG00000184385	21	C21orf128	43522244	rs12627413	21	43526510	G	C	0.277336	0.00944561	0.00892842	0.290089	0.487342	0.054287	2.78E-19	0.0193819	0.0184474	0.2934167	0.08373072	12	0.77217832
ENSG00000160188	21	RSPH1	43892596	rs4919990	21	43938673	C	T	0.372763	0.0145336	0.00831434	0.0804618	0.527968	0.0786297	1.89E-11	0.0275274	0.0162727	0.09071593	0.70933	8	0.62509594
ENSG00000160200	21	CBS	44473301	rs234728	21	44448775	A	G	0.372763	0.00043497	0.0081349	0.957358	-0.79239	0.0909058	2.87E-18	-0.0005489	0.0102665	0.957359	0.7663221	20	0.98751784
ENSG00000241945	21	PWP2	45527171	rs6518345	21	45477100	A	G	0.2833	0.00450114	0.00962377	0.639991	1.25696	0.101029	1.55E-35	0.00358097	0.00766179	0.6402276	0.4029647	17	0.91019594
ENSG00000160221	21	C21orf33	45553487	rs35985715	21	45490684	A	G	0.161034	-0.0074208	0.011636	0.523639	1.41699	0.111709	7.20E-37	-0.005237	0.00822214	0.5241637	0.1230249	18	0.87785114
ENSG00000141959	21	PFKL	45719934	rs1972269	21	45725524	A	G	0.326044	0.00319374	0.00849133	0.70683	-0.393798	0.0567591	3.98E-12	-0.0081101	0.0215943	0.7072393	0.8596106	7	0.92899263
ENSG00000160226	21	C21orf2	45748827	rs73374031	21	45759197	C	G	0.238569	-0.003711	0.0100537	0.712041	0.507695	0.0629664	7.45E-16	-0.0073095	0.0198234	0.7123292	0.8591063	3	0.93305022
ENSG00000142185	21	TRPM2	45770046	rs9975366	21	45773265	G	C	0.157058	-0.0089182	0.00931785	0.338515	-0.263249	0.0461653	1.18E-08	0.0338772	0.0358907	0.3452205	0.6460833	6	0.80555318
ENSG00000184787	21	UBE2G2	46188955	rs235269	21	46211664	G	A	0.586481	-0.0059195	0.00855375	0.488913	-0.314614	0.0575872	4.67E-08	0.0188152	0.0274053	0.4923659	0.8465059	7	0.86791667
ENSG00000273027	21	LL21NC02-1C16.1	46349568	rs11088974	21	46375051	G	A	0.494036	0.00868648	0.00806617	0.281524	0.480089	0.0772063	5.03E-10	0.0180935	0.0170515	0.288641	0.6814011	9	0.76838408
ENSG00000183250	21	C21orf67	46352729	rs4818989	21	46356816	G	A	0.356859	-0.004873	0.00848587	0.5658	-0.463946	0.0639272	3.95E-13	0.0105034	0.0183478	0.5670107	0.5736241	12	0.89127357
ENSG00000215447	21	BX322557.10	46707967	rs2838867	21	46713092	T	C	0.294235	0.0136848	0.0091233	0.13362	-0.621725	0.0577716	5.22E-27	-0.022011	0.014816	0.137379	0.2578176	20	0.66222016
ENSG00000223768	21	LINC00205	46713200	rs2838867	21	46713092	T	C	0.294235	0.0136848	0.0091233	0.13362	-1.07491	0.0730379	5.00E-49	-0.0127311	0.00853147	0.1356329	0.2209239	20	0.66222016
ENSG00000183570	21	PCBP3	47063608	rs4819134	21	47041631	A	T	0.186879	-0.0104885	0.0120666	0.384729	0.619481	0.0980734	2.68E-10	-0.0169311	0.0196621	0.3891816	0.9489832	15	0.82273105
ENSG00000142156	21	COL6A1	47401651	rs13046144	21	47390775	A	G	0.0735586	0.00766861	0.0191189	0.688345	0.825152	0.109324	4.43E-14	0.00929357	0.0232028	0.6887619	0.9910263	20	0.92403695

ENSG00000160282	21	FTCD	47556176	rs2839137	21	47592524	C	G	0.766402	0.00746734	0.0113374	0.510122	0.65252	0.0804963	5.22E-16	0.0114438	0.0174321	0.5115133	0.6636199	20	0.87180736
ENSG00000160284	21	SPATC1L	47581062	rs62214043	21	47582241	A	G	0.0785288	-0.0208745	0.0139554	0.134705	-1.0525	0.138856	3.46E-14	0.0198333	0.013515	0.1422403	0.2818951	16	0.66222016
ENSG00000239415	21	AP001469.9	47671463	rs59613587	21	47712171	A	G	0.107356	-0.0042682	0.0142766	0.764966	0.772779	0.14108	4.31E-08	-0.0055232	0.0185019	0.7653049	0.2123575	8	0.94208871
ENSG00000182362	21	YBEY	47706251	rs12626184	21	47715296	C	T	0.678926	-0.0148714	0.00897511	0.0975282	-0.8168	0.0930351	1.64E-18	0.0182069	0.0111821	0.1034791	0.7118683	20	0.63154929
ENSG00000160299	21	PCNT	47744036	rs60407402	21	47855509	A	G	0.390656	-0.0060961	0.00846317	0.471338	-0.305903	0.0497588	7.86E-10	0.019928	0.0278554	0.474356	0.7752874	20	0.85935571
ENSG00000237438	22	CECR7	17517460	rs2537972	22	17538082	A	C	0.71173	-0.0158339	0.00928028	0.0879731	-1.09283	0.0934514	1.37E-31	0.0144889	0.00858188	0.09135124	0.4148523	20	0.62509594
ENSG00000177663	22	IL17RA	17565844	rs947822	22	17529814	C	T	0.586481	-0.015832	0.00818026	0.052942	0.419669	0.0612979	7.57E-12	-0.037725	0.020256	0.06254588	0.5057236	11	0.57019027
ENSG00000235478	22	AC006946.15	17602476	rs35914026	22	17620405	G	A	0.0457256	-0.0171923	0.0185	0.352726	-0.835803	0.138823	1.74E-09	0.0205698	0.0223965	0.3583902	0.1661268	10	0.81588218
ENSG00000093072	22	CECR1	17660194	rs1807518	22	17685358	T	C	0.489066	-0.011438	0.00809526	0.157679	0.352984	0.0532518	3.39E-11	-0.0324037	0.023449	0.1670082	0.3094238	7	0.67999547
ENSG00000015475	22	BID	18216906	rs13058451	22	18167859	C	T	0.16004	-0.0139462	0.010073	0.166202	-0.405233	0.0660096	8.30E-10	0.0344153	0.0254816	0.1768263	0.2167309	12	0.68258248
ENSG00000237517	22	DGCR5	18958027	rs2540626	22	18954191	C	T	0.322068	-0.0055612	0.0094633	0.55676	-0.440783	0.0629325	2.49E-12	0.0126167	0.0215447	0.5581422	0.5185265	16	0.8881112
ENSG00000273032	22	DGCR9	19005347	rs1210642	22	18985726	A	T	0.724652	0.00885626	0.00890048	0.319721	-0.320627	0.049271	7.65E-11	-0.0276217	0.0280823	0.3253124	0.00708515	20	0.78543469
ENSG00000273164	22	DGCR10	19010569	rs28757280	22	19009723	C	A	0.286282	0.0142016	0.00868107	0.101854	-0.951637	0.0843199	1.54E-29	-0.0149233	0.00921758	0.1054457	0.07582682	20	0.63390206
ENSG00000070413	22	DGCR2	19023795	rs2238757	22	19104324	T	C	0.186879	0.0170735	0.0110308	0.12167	0.421405	0.0527656	1.39E-15	0.0405157	0.0266633	0.1286296	0.01948441	15	0.66222016
ENSG00000273311	22	DGCR11	19033675	rs2238746	22	19050010	G	A	0.171968	0.0166388	0.011738	0.156333	0.761558	0.115624	4.50E-11	0.0218484	0.0157661	0.1658124	0.8351617	6	0.67999547
ENSG00000070371	22	CLTCL1	19166986	rs112641399	22	19279558	T	C	0.084493	0.010409	0.0192269	0.588247	1.36859	0.144889	3.53E-21	0.00760564	0.0140717	0.5888592	0.0760249	20	0.8942393
ENSG00000215012	22	C22orf29	19833661	rs8138689	22	19812973	T	C	0.435388	0.00341557	0.00824345	0.678627	-0.28664	0.0487553	4.12E-09	-0.0119159	0.0288302	0.6793778	0.34287	11	0.92288062
ENSG00000184470	22	TXNRD2	19863040	rs13056219	22	19860846	T	C	0.146123	0.0184765	0.0138902	0.183458	-0.571145	0.0753976	3.59E-14	-0.0323499	0.024692	0.1901496	0.07702849	13	0.69088256
ENSG00000250261	22	AC007050.18	20941783	rs165785	22	20954866	A	G	0.164016	-0.0085529	0.0102893	0.405837	0.70571	0.126394	2.36E-08	-0.0121196	0.0147408	0.4109736	0.4202616	3	0.8337386
ENSG00000229107	22	ABHD17AP4	21022124	rs853148	22	21033724	A	T	0.499006	-0.0052035	0.00862867	0.546473	0.553131	0.094088	4.13E-09	-0.0094074	0.0156815	0.54857	0.2713177	13	0.88399357
ENSG00000099940	22	SNAP29	21213271	rs5761460	22	21297251	C	T	0.0745527	0.0191239	0.017046	0.261905	-0.894987	0.128706	3.56E-12	-0.0213678	0.0192924	0.2680445	0.1540544	6	0.75078358
ENSG00000230513	22	THAP7-AS1	21356175	rs12165467	22	21366206	T	C	0.212724	0.00809254	0.00951854	0.395221	-0.970606	0.116683	8.92E-17	-0.0083376	0.00985789	0.3976749	0.4287631	13	0.82273105
ENSG00000099957	22	P2RX6	21364097	rs2073599	22	21372467	G	C	0.622266	-0.0103196	0.00816147	0.206074	-0.36607	0.0579679	2.70E-10	0.0281902	0.0227373	0.2150416	0.05970437	7	0.7109941
ENSG00000206145	22	P2RX6P	21389532	rs396953	22	21399187	C	G	0.937376	-0.0076695	0.0178672	0.667744	-1.68336	0.143683	1.06E-31	0.00455604	0.0106211	0.6679526	0.8064797	13	0.91884947
ENSG00000187905	22	AC002472.13	21400249	rs9625422	22	21404113	G	A	0.0854871	0.00302774	0.0142522	0.831764	1.43371	0.183283	5.18E-15	0.00211182	0.00994445	0.8318247	0.3911111	4	0.96651696
ENSG00000183506	22	PI4KAP2	21827289	rs1061064	22	21213416	G	A	0.524851	-0.0041181	0.00877603	0.638899	-0.671392	0.0721395	1.32E-20	0.0061336	0.013088	0.6393248	0.6918416	20	0.91019594
ENSG00000224086	22	LL22NC03-86G7.1	22292609	rs240066	22	22292995	A	C	0.473161	0.00109458	0.00833513	0.895521	-0.949215	0.0666705	5.37E-46	-0.0011531	0.00878145	0.8955256	0.1313384	20	0.97900309
ENSG00000228050	22	TOP3BP1	22577580	rs5756324	22	22335125	C	T	0.256461	-0.0006001	0.00931467	0.948635	0.879765	0.08997	1.39E-22	-0.0006821	0.0105879	0.9486359	0.2081104	20	0.98751784
ENSG00000211643	22	IGLV5-52	22673082	rs9619903	22	22661150	C	T	0.217694	-0.003582	0.00888339	0.686785	0.534912	0.077058	3.87E-12	-0.0066964	0.0166352	0.6872848	0.08830551	9	0.92403695
ENSG00000128266	22	GNAZ	23412540	rs2267000	22	23455366	T	C	0.451292	0.0192203	0.00806753	0.0171993	0.258701	0.0402174	1.25E-10	0.0742954	0.0332549	0.02547529	0.3821684	12	0.42271621
ENSG00000186716	22	BCR	23521891	rs180806	22	23655219	A	G	0.37674	-0.008206	0.00822411	0.318376	-0.499546	0.0541758	2.95E-20	0.016427	0.0165593	0.3211925	0.09306126	18	0.78475979
ENSG00000133519	22	ZDHHC8P1	23732793	rs4822390	22	23728799	G	C	0.483101	-0.0033023	0.00822946	0.688213	0.380026	0.0551862	5.73E-12	-0.0086897	0.0216917	0.6887141	0.2642302	20	0.92403695
ENSG00000234928	22	AP000344.3	23775751	rs56806351	22	23776219	A	G	0.158052	-0.001095	0.0103144	0.915454	0.544428	0.0917939	3.01E-09	-0.0020113	0.0189484	0.9154671	0.501076	4	0.98076095
ENSG00000272733	22	KB-208E9.1	23923067	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.514393	0.0742095	4.16E-12	0.00836018	0.0169504	0.6218611	0.3729398	11	0.90296505
ENSG00000189269	22	C22orf43	23950639	rs6003823	22	23991420	T	C	0.363817	-0.0043004	0.00869707	0.620976	-0.894679	0.105735	2.64E-17	0.00480666	0.00973747	0.6215707	0.7376135	9	0.90296505
ENSG00000234353	22	AP000347.4	23980679	rs35973846	22	23992780	T	G	0.167992	-0.0037353	0.0139255	0.788517	-0.386329	0.0570449	1.27E-11	0.00966881	0.036074	0.7886783	0.5059958	18	0.95332026
ENSG00000272578	22	AP000347.2	24000281	rs35973846	22	23992780	T	G	0.167992	-0.0037353	0.0139255	0.788517	-0.508268	0.0640244	2.04E-15	0.00734915	0.0274136	0.7886343	0.4452256	10	0.95332026
ENSG00000128218	22	VPREB3	24094930	rs131441	22	24108756	C	T	0.83996	-0.0086888	0.0105722	0.411159	-0.911541	0.115861	3.62E-15	0.00953198	0.0116613	0.4136971	0.05741555	10	0.83633744
ENSG00000218537	22	AP000350.4	24236613	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	0.926158	0.0965995	9.02E-22	0.00947322	0.00906963	0.2962542	0.2643893	20	0.7734327
ENSG00000273295	22	AP000350.5	24243619	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	1.21713	0.0770077	2.86E-56	0.00720852	0.00687547	0.2944362	0.2604325	20	0.77246203
ENSG00000225282	22	AP000350.6	24269087	rs4822458	22	24265659	T	C	0.559642	0.0121956	0.00828108	0.140831	0.983463	0.103723	2.50E-21	0.0124007	0.00852129	0.1455981	0.5619723	20	0.66222016
ENSG00000133433	22	GSTT2B	24299601	rs5760120	22	24266867	A	G	0.609344	0.0087737	0.00834991	0.293372	-0.970621	0.0939177	4.90E-25	-0.0090393	0.008647	0.2958544	0.1656944	20	0.77338314
ENSG00000099977	22	DDT	24313554	rs5751775	22	24266726	C	T	0.609344	0.00863968	0.00835042	0.300837	0.435833	0.0565826	1.33E-14	0.0198234	0.0193318	0.30516	0.3425783	15	0.77675425
ENSG00000250470	22	AP000351.3	24319095	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	0.755756	0.0957737	3.00E-15	0.0163845	0.0110923	0.139648	0.8415552	12	0.66222016
ENSG00000099984	22	GSTT2	24322339	rs62232147	22	24335085	C	T	0.83002	0.0128436	0.0108965	0.238521	-1.3042	0.130434	1.54E-23	-0.0098479	0.00841278	0.2417655	0.5607616	20	0.73450129
ENSG00000224205	22	AP000351.4	24329511	rs5751792	22	24401542	A	G	0.542744	0.0123827	0.00823492	0.132662	1.02767	0.0904559	6.54E-30	0.0120493	0.00808308	0.136045	0.8096522	20	0.66222016
ENSG00000197077	22	KIAA1671	25348697	rs7284432	22	25504760	G	A	0.282306	-0.0066577	0.00941748	0.479599	-0.348298	0.0611929	1.26E-08	0.0191149	0.0272463	0.4829552	0.1919359	10	0.86585475
ENSG00000272942	22	CTA-246H3.12	25830291	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-0.774251	0.136343	1.36E-08	0.0517628	0.022112	0.01923545	0.6742202	3	0.38577673
ENSG00000100058	22	CRYBB2P1	25844072	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	0.850096	0.106405	1.36E-15	-0.0471446	0.019274	0.0144442	0.5045085	14	0.36098048
ENSG00000272977	22	CTA-390C10.10	25872185	rs6004655	22	25855629	A	G	0.0735586	-0.0400774	0.0155979	0.0101871	-1.12482	0.13202	1.59E-17	0.0356301	0.0144839	0.0138944	0.2645742	9	0.35964166
ENSG00000100099	22	HPS4	26839389	rs5752325	22	26842818	C	T	0.910537	-0.0059487	0.0179438	0.740254	0.633807	0.10742	3.63E-09	-0.0093856	0.0283558	0.7406493	0.1571144	8	0.93606022
ENSG00000230051	22	CTA-929C8.8	27727748	rs494702	22	27740843	C	T	0.306163	-0.0048447	0.00861961	0.574075	0.525631	0.0845438	5.06E-10	-0.009217	0.0164655	0.575632	0.6245742	7	0.89127357
ENSG00000235954	22	TTC28-AS1	28315364	rs5762399	22	28306607	C	T	0.202783	0.00086556	0.00963379	0.928409	0.443213	0.0704411	3.13E-10	0.00195292	0.0217385	0.9284167	0.04919421	20	0.98480791
ENSG00000185340	22	GAS2L1	29702572	rs909798	22	29654004	T	C	0.616302	-0.0083576	0.00816091	0.305788	-0.275902	0.0449139	8.10E-10	0.0302918	0.0299872	0.3124198	0.3710105	3	0.78298316
ENSG00000225465	22	RFPL1S	29832818	rs2106107	22	29835987	T	C	0.171968	0.00098069	0.0113072	0.930885	-0.42158	0.0440339	1.03E-21	-0.0023262	0.0268221	0.9308876	0.00355312	13	0.98590744
ENSG00000187860	22	CCDC157	30752624	rs59731356	22	30764664	C	T	0.33996	-0.0061436	0.00942928	0.514699	-0.339521	0.0578037	4.26E-09	0.0180948	0.0279426	0.5172645	0.9699831	6	0.87590525
ENSG00000214491	22	SEC14L6	30918786	rs5753190	22	30934816	C	T	0.756461	-0.0084834	0.00891618	0.34137	0.570085	0.0900474	2.44E-10	-0.014881	0.0158157	0.3467582	0.8158835	6	0.80555318
ENSG00000237977	22	EIF4HP2	31298206	rs7288964	22	31419209	G	A	0.740557	-0.0088358	0.00955391	0.355054	0.708329	0.0919716	1.34E-14	-0.0124741	0.0135849	0.3584958	0.5422411	14	0.81588218
ENSG00000241878	22	PISD	32014477	rs131233	22	32117100	A	C	0.204771	0.00456084	0.00988786	0.644614	0.317976	0.0511639	5.14E-10	0.0143433	0.0311818	0.6455224	0.4349083	20	0.91263867
ENSG00000100191	22	SLC5A4	32614465	rs35207231	22	32753786	A	G	0.0417495	0.0022348	0.019614	0.909286	1.10455	0.165989	2.85E-11	0.00202327	0.0177601	0.9092994	0.9211119	10	0.9806767
ENSG00000100348	22	TXN2	36863083	rs56221252	22	36864990	A	G	0.0298211	-0.0096381	0.0172405	0.576135	0.754884	0.0976517	1.07E-14	-0.0127677	0.0228983	0.5771281	0.1540826	20	0.89127357
ENSG00000100350	22	FOXRED2	36883237	rs146532334	22	36903096	T	C	0.0377734	0.00927211	0.0202896	0.647679	1.11011	0.186265	2.52E-09	0.00835242	0.0183308	0.6486411	0.6077191	8	0.91384759
ENSG00000234688	22	RP1-293L6.1	37099963	rs2071755	22	37141105	A	T	0.134195	-0.0021955	0.0112248	0.844931	0.734978	0.108835	1.45E-11	-0.0029871	0.0152787	0.8449945	0.1463067	9	0.9729333
ENSG00000100360	22	IFT27	37154246	rs1048015	22	37163080	T	C	0.752485	-0.0089149	0.00891641	0.317393	-0.391422	0.0594178	4.47E-11	0.0227756	0.0230404	0.322904	0.3740715	5	0.78504313
ENSG00000133466	22	C1QTNF6	37576207	rs229525	22	37580334	A	G	0.212724	-0.0224902	0.0102391	0.0280569	-0.561455	0.0589884	1.76E-21	0.040057	0.018716	0.03233452	0.9883916	15	0.45725743
ENSG00000243902	22	RP1-63G5.5	37735624	rs968743	22	37774901	C	T	0.767396	0.00779744	0.00929405	0.401486	-0.39489	0.0661949	2.44E-09	-0.0197459	0.0237674	0.4060892	0.08738936	10	0.82870557
ENSG00000184949	22	FAM227A	38974125	rs1569716	22	38998519	A	C	0.311133	-0.0028964	0.00850945	0.733574	0.387399	0.0607706	1.83E-10	-0.0074765	0.0219969	0.7339391	0.8457768	19	0.93606022
ENSG00000228274	22	RP3-508I15.9	39063590	rs2413545	22	39092524	T	C	0.292247	-0.0038145	0.00856855	0.656197	-0.483387	0.0729406	3.42E-11	0.00789113	0.017766	0.6569197	0.6676245	16	0.91470231
ENSG00000239713	22	APOBEC3G	39436924	rs139279	22	39494084	G	C	0.375746	-0.0038732	0.00807919	0.631651	0.41537	0.0616867	1.66E-11	-0.0093247	0.0194998	0.6325121	0.7672199	10	0.90754256
ENSG00000100395	22	L3MBTL2	41601209	rs2038209	22	41594611	C	T	0.633201	0.0245811	0.00825056	0.00288888	0.210742	0.0365033	7.78E-09	0.116641	0.0440558	0.00810735	0.3886911	14	0.29082583
ENSG00000100413	22	POLR3H	41921808	rs11554327	22	41940371	G	T	0.217694	0.0223299	0.00939808	0.0175009	0.507649	0.0652617	7.33E-15	0.0439869	0.0193573	0.02306456	0.2683713	14	0.40523733
ENSG00000172346	22	CSDC2	41956767	rs73178638	22	41942904	C	T	0.214712	0.0216565	0.00950939	0.0227636	0.91768	0.0933813	8.59E-23	0.0235992	0.010637	0.02651491	0.06279836	20	0.42271621
ENSG00000100418	22	DESI1	41994032	rs75303662	22	42492515	G	C	0.0347913	-0.0386184	0.0209119	0.0647888	-1.07766	0.15503	3.62E-12	0.0358354	0.020078	0.07429243	0.3703743	5	0.58550756
ENSG00000167077	22	MEI1	42095503	rs2157287	22	42080188	C	T	0.792247	-0.0198527	0.00927658	0.0323474	-0.595396	0.0982761	1.37E-09	0.0333437	0.016524	0.0436026	0.135734	9	0.50858212
ENSG00000100162	22	CENPM	42334725	rs2157591	22	42348094	C	G	0.120278	0.00720074	0.0129528	0.578264	0.765826	0.123977	6.53E-10	0.00940258	0.0169819	0.5797953	0.5123449	13	0.89127357
ENSG00000205704	22	LINC00634	42348169	rs139481	22	41627386	T	C	0.302187	-0.0247098	0.00879114	0.00494231	-0.307046	0.05387	1.20E-08	0.0804759	0.0319234	0.01170538	0.01162201	20	0.34722554
ENSG00000183066	22	WBP2NL	42394729	rs2899355	22	42579520	C	T	0.437376	0.00341408	0.00812889	0.674491	0.55534	0.0870462	1.77E-10	0.00614773	0.0146694	0.6751531	0.03535089	20	0.92063445
ENSG00000198951	22	NAGA	42454358	rs133317	22	42402386	A	G	0.412525	0.0121335	0.00809978	0.134134	0.377018	0.0477915	3.05E-15	0.0321828	0.0218677	0.1411005	0.04177303	20	0.66222016
ENSG00000184983	22	NDUFA6	42481529	rs117529804	22	42669104	T	C	0.028827	0.0291349	0.0283791	0.304594	1.0201	0.108743	6.55E-21	0.0285608	0.027986	0.3074729	0.2733904	14	0.77848379
ENSG00000100197	22	CYP2D6	42522501	rs2743451	22	42534682	T	C	0.531809	-0.0072824	0.00808875	0.367954	0.682044	0.0784703	3.57E-18	-0.0106773	0.011923	0.3705081	0.04728903	20	0.81680835
ENSG00000227370	22	RP4-669P10.19	42528550	rs28360521	22	42528976	T	C	0.201789	-0.0202908	0.0124905	0.104268	0.912869	0.113731	1.00E-15	-0.0222275	0.0139601	0.1113362	0.04912669	20	0.63913593
ENSG00000205702	22	CYP2D7P1	42536214	rs134872	22	42653038	C	T	0.713718	-0.0082417	0.00817024	0.313096	0.445589	0.0718795	5.68E-10	-0.0184962	0.018577	0.3194194	0.6352708	20	0.78475979
ENSG00000172250	22	SERHL	42896585	rs113473487	22	42906056	T	C	0.146123	0.00628896	0.0102212	0.538365	-0.885565	0.156694	1.59E-08	-0.0071016	0.0116102	0.5407551	0.6661237	7	0.8813815
ENSG00000189306	22	RRP7A	42905974	rs136980	22	42943481	A	G	0.154076	0.00772185	0.0112081	0.490851	0.77022	0.118814	9.02E-11	0.0100255	0.0146338	0.4932843	0.558947	12	0.86791667
ENSG00000182841	22	RRP7B	42951229	rs137088	22	42981890	A	G	0.110338	0.00028559	0.0136968	0.983365	-0.619992	0.0871734	1.14E-12	-0.0004606	0.022092	0.9833648	0.7652615	20	0.9924555
ENSG00000100243	22	CYB5R3	43013846	rs137124	22	43015716	C	T	0.16998	0.00536171	0.0104934	0.60938	-0.275507	0.0428236	1.25E-10	-0.0194612	0.0382075	0.6105025	0.8217767	4	0.89918729
ENSG00000100266	22	PACSIN2	43231418	rs2267482	22	43380548	C	G	0.555666	0.00924686	0.0080719	0.251976	0.38792	0.0658339	3.81E-09	0.023837	0.0211977	0.2607977	0.1389444	10	0.74447118
ENSG00000100271	22	TTLL1	43435522	rs5759113	22	43443952	G	C	0.570577	0.00362078	0.00810621	0.655116	-0.437105	0.0604773	4.92E-13	-0.0082836	0.0185806	0.6557295	0.198806	20	0.91470231
ENSG00000100294	22	MCAT	43528212	rs2066910	22	43529517	T	C	0.663022	-0.0011763	0.00881184	0.893805	0.22329	0.038043	4.37E-09	-0.005268	0.0394739	0.8938325	0.2393189	5	0.97900309
ENSG00000100304	22	TTLL12	43562628	rs9612021	22	43583598	C	T	0.662028	0.0059384	0.00832874	0.475846	-0.314463	0.0552113	1.23E-08	-0.0188843	0.0266923	0.4792688	0.4206327	3	0.86191083
ENSG00000159307	22	SCUBE1	43593289	rs2007836	22	43693733	C	T	0.822068	-0.0088793	0.00984306	0.367011	-0.739482	0.0989909	8.01E-14	0.0120075	0.0134075	0.3704765	0.13605	7	0.81680835
ENSG00000130540	22	SULT4A1	44220389	rs138067	22	44227556	G	A	0.419483	-0.0027018	0.00806461	0.737614	0.143262	0.0205075	2.83E-12	-0.0188589	0.0563574	0.7379035	0.4245417	8	0.93606022
ENSG00000100341	22	PNPLA5	44275558	rs138053	22	44219108	G	A	0.852883	-0.0014974	0.013991	0.914768	0.473205	0.0742534	1.86E-10	-0.0031644	0.0295706	0.9147798	0.3400242	15	0.98076095
ENSG00000093000	22	NUP50	45559722	rs226515	22	45583898	G	A	0.696819	-0.007595	0.00878976	0.387549	0.297051	0.0433244	7.06E-12	-0.0255679	0.0298241	0.391285	0.6651558	14	0.82273105
ENSG00000100376	22	FAM118A	45704849	rs5765271	22	45746826	G	T	0.865805	0.0127513	0.0105659	0.227499	-1.55882	0.126529	7.08E-35	-0.0081801	0.00681058	0.2297177	0.6247863	19	0.73131069
ENSG00000128408	22	RIBC2	45809572	rs136575	22	45769245	G	A	0.506958	-0.0036955	0.00807174	0.64707	-0.649813	0.0908193	8.37E-13	0.00568708	0.012447	0.6477412	0.5276495	20	0.91377214
ENSG00000075234	22	TTC38	46663858	rs57866552	22	46689229	T	C	0.0248509	-0.0228733	0.0296319	0.440166	0.493532	0.0746424	3.79E-11	-0.0463461	0.0604483	0.4432554	0.2861692	4	0.8522258
ENSG00000260708	22	CTA-29F11.1	47157791	rs12389	22	47158179	A	G	0.304175	-0.0022378	0.00849554	0.792233	-0.912163	0.0810842	2.33E-29	0.00245332	0.00931617	0.7922884	0.8818005	18	0.95536852
ENSG00000182858	22	ALG12	50293877	rs28563039	22	50343063	T	C	0.2167	0.0283736	0.0093845	0.00249908	0.495593	0.0876998	1.60E-08	0.0572518	0.0214758	0.00767883	0.2471398	15	0.29082583
ENSG00000188263	22	IL17REL	50432942	rs137900	22	50468078	T	C	0.341948	-0.0174762	0.00854104	0.0407427	-0.447344	0.0727613	7.84E-10	0.0390666	0.0201224	0.05220395	0.6102134	11	0.54356555
ENSG00000273253	22	RP3-402G11.26	50637519	rs5771096	22	50638502	C	T	0.93837	-0.0503787	0.0258724	0.051511	-1.63852	0.153139	1.02E-26	0.0307465	0.0160495	0.05539915	0.00165907	20	0.55189737
ENSG00000128159	22	TUBGCP6	50656118	rs11703673	22	50652427	T	C	0.324056	0.0108002	0.00857383	0.207789	0.290071	0.041754	3.73E-12	0.037233	0.0300397	0.2151752	0.8922142	16	0.7109941
ENSG00000100429	22	HDAC10	50683612	rs13058062	22	50684296	C	T	0.735586	0.00076408	0.0093756	0.935047	-0.667673	0.0796261	5.07E-17	-0.0011444	0.0140429	0.9350501	0.8704231	11	0.98714867
ENSG00000188130	22	MAPK12	50683879	rs5771111	22	50695946	G	C	0.701789	0.00213878	0.00897279	0.8116	-0.741311	0.0739798	1.24E-23	-0.0028851	0.0121074	0.8116519	0.98822	17	0.96203978
ENSG00000205593	22	DENND6B	50747459	rs62241233	22	50757541	C	T	0.327038	-0.0016001	0.00846165	0.850017	0.321751	0.0399473	7.99E-16	-0.004973	0.026306	0.8500579	0.4754755	20	0.97442382
ENSG00000217442	22	SYCE3	50989541	rs78789402	22	51001271	A	G	0.0596421	0.00351027	0.0153447	0.819055	1.33277	0.127536	1.46E-25	0.00263382	0.0115161	0.8190972	0.6433106	16	0.9628767
ENSG00000205560	22	CPT1B	51007290	rs131756	22	51021599	T	C	0.525845	0.0103632	0.00812742	0.202276	0.426355	0.0541543	3.46E-15	0.0243065	0.019311	0.2081424	0.9825035	19	0.70391756
ENSG00000100288	22	CHKB	51017378	rs86337	22	51020668	A	C	0.569583	0.00626675	0.0083578	0.45337	0.402973	0.0525916	1.83E-14	0.0155513	0.0208394	0.45552	0.9558856	20	0.85681817
ENSG00000100299	22	ARSA	51061182	rs6151419	22	51064915	A	G	0.159046	-0.0028998	0.0140875	0.836914	-0.502536	0.0862646	5.69E-09	0.00577035	0.0280503	0.837014	0.654766	3	0.9693515
ENSG00000184319	22	AC002055.4	51195376	rs6010091	22	51227891	A	G	0.410537	-0.0012693	0.00820369	0.877044	-0.495825	0.0737083	1.73E-11	0.00255987	0.0165499	0.8770767	0.4516124	15	0.97615419
ENSG00000205664	23	RP11-706O15.1	3735569	rs141334099	23	3747372	T	C	0.442559	-0.0109088	0.00712255	0.125626	0.500269	0.0608871	2.10E-16	-0.0218059	0.0144827	0.1321569	0.9790625	11	0.66222016
ENSG00000234449	23	RP11-706O15.3	3771051	rs72611131	23	3877310	C	T	0.513055	0.00500531	0.00712826	0.482567	-0.461925	0.0814716	1.43E-08	-0.0108358	0.0155495	0.4858938	0.3374431	8	0.86791667
ENSG00000205663	23	RP11-706O15.5	3809479	rs6608343	23	3868488	G	A	0.313316	-0.0057109	0.00773376	0.460248	0.424905	0.0762301	2.49E-08	-0.0134404	0.0183602	0.4641424	0.6363406	3	0.85681817
ENSG00000130021	23	HDHD1	6966961	rs802891	23	7099978	A	G	0.0704961	-0.0139341	0.0128681	0.278879	0.472357	0.0743004	2.05E-10	-0.0294991	0.0276347	0.2857611	0.2389218	17	0.76436273
ENSG00000101846	23	STS	7137497	rs12010075	23	7067911	C	G	0.593995	-0.0173534	0.00720474	0.0160133	0.152663	0.0248241	7.76E-10	-0.113671	0.0506843	0.02491418	0.1065838	19	0.42271621
ENSG00000182583	23	VCX	7810303	rs2529876	23	7810800	T	C	0.64752	-0.0100402	0.00725075	0.166141	-0.524009	0.0699835	7.01E-14	0.0191604	0.0140717	0.1733167	0.9107937	7	0.68081994
ENSG00000228543	23	GS1-519E5.1	9217960	rs6640332	23	9217822	A	G	0.234987	-0.0048854	0.00789641	0.53612	0.54963	0.0701047	4.50E-15	-0.0088886	0.0144114	0.5373839	0.7116401	10	0.8813815
ENSG00000046647	23	GEMIN8	14026398	rs73438928	23	14050842	T	C	0.300261	0.00254085	0.00785406	0.74631	-0.531929	0.0537031	3.96E-23	-0.0047767	0.0147731	0.7464412	0.5486765	13	0.93648451
ENSG00000130150	23	MOSPD2	14891563	rs2269763	23	14912029	T	C	0.68799	0.00911473	0.00755361	0.227558	-0.287345	0.0369824	7.86E-15	-0.0317205	0.0266027	0.233113	0.06460561	19	0.7327307
ENSG00000165197	23	FIGF	15363713	rs2873356	23	15573768	C	A	0.652742	0.00736671	0.00779102	0.344384	0.306731	0.0537084	1.12E-08	0.0240168	0.0257459	0.3509026	0.1036841	11	0.81121741
ENSG00000087842	23	PIR	15402921	rs6527616	23	15516974	G	A	0.633159	0.0172901	0.0075522	0.0220557	0.311105	0.040106	8.69E-15	0.0555764	0.0253106	0.02810803	0.1742699	19	0.42318362
ENSG00000130234	23	ACE2	15579156	rs5936026	23	15734004	T	C	0.527415	-0.0013704	0.00705872	0.846063	0.602387	0.0711721	2.59E-17	-0.002275	0.011721	0.8461029	0.6240385	7	0.97328151
ENSG00000147003	23	TMEM27	15645441	rs1996225	23	15711209	T	C	0.447781	-0.0009078	0.00705264	0.897582	0.740638	0.0660655	3.62E-29	-0.0012257	0.00952301	0.8975881	0.2156651	18	0.97900309
ENSG00000169249	23	ZRSR2	15808595	rs5936064	23	15843363	A	G	0.729765	-0.0109115	0.00802568	0.173965	-0.592264	0.0489107	9.45E-34	0.0184234	0.013636	0.1766685	0.6981177	12	0.68258248
ENSG00000012174	23	MBTPS2	21857754	rs6629430	23	21919604	A	G	0.171018	0.00066486	0.00931925	0.943125	-0.367586	0.0496387	1.31E-13	-0.0018087	0.0253537	0.9431273	0.5894419	20	0.98751784
ENSG00000101955	23	SRPX	38008589	rs5964314	23	38086806	A	C	0.244125	-0.0015499	0.00826374	0.851223	0.330193	0.056647	5.58E-09	-0.004694	0.02504	0.8512993	0.3522332	5	0.97447029
ENSG00000183690	23	EFHC2	44007128	rs5906941	23	44215477	T	A	0.398172	0.00144999	0.00711768	0.838575	-0.401774	0.0539503	9.54E-14	-0.003609	0.0177223	0.8386345	0.8317998	9	0.9703499
ENSG00000147119	23	CHST7	46433219	rs6640	23	46459128	T	G	0.520888	-0.0070319	0.00703627	0.317613	-0.238973	0.0330848	5.08E-13	0.0294254	0.0297243	0.3222014	0.05869853	13	0.78475979
ENSG00000221994	23	ZNF630	47842756	rs5953135	23	47845817	C	A	0.516971	0.00807918	0.00706007	0.252479	-0.322594	0.0539624	2.26E-09	-0.0250444	0.0222827	0.2610378	0.7001212	4	0.74447118
ENSG00000068354	23	TBC1D25	48397845	rs12558214	23	48499707	T	C	0.330287	-0.0191281	0.00738088	0.00955366	-0.155503	0.0268772	7.22E-09	0.123008	0.0520087	0.01802313	0.3589561	8	0.38205274
ENSG00000102007	23	PLP2	49028273	rs184339396	23	49043608	C	G	0.0221932	0.0156061	0.017018	0.359123	-0.590385	0.0904582	6.73E-11	-0.0264338	0.0291084	0.3638177	0.8792324	3	0.81680835
ENSG00000158423	23	RIBC1	53449639	rs5978132	23	53453201	T	C	0.0130548	-0.020542	0.0505005	0.684179	0.765612	0.13393	1.09E-08	-0.0268308	0.0661277	0.6849319	0.8929822	4	0.92403695
ENSG00000204272	23	RP11-622K12.1	56755692	rs1927225	23	56873653	T	G	0.750653	0.00466061	0.00999206	0.640907	-0.326173	0.0498674	6.12E-11	-0.0142888	0.030712	0.6417525	0.8238872	10	0.91019594
ENSG00000204271	23	SPIN3	57002803	rs562123	23	57246738	G	A	0.287206	-0.0018106	0.00932631	0.846069	-0.194322	0.0335392	6.88E-09	0.00931737	0.048021	0.8461549	0.4448784	11	0.97328151
ENSG00000231831	23	MTHFD1P1	57419079	rs5914096	23	57419809	A	G	0.181462	-0.01545	0.014237	0.277833	0.822493	0.0930147	9.35E-19	-0.0187844	0.0174394	0.2814269	0.08418597	10	0.76177085
ENSG00000169083	23	AR	66764465	rs5918762	23	66914801	C	T	0.848564	0.00719949	0.0102691	0.483252	0.64421	0.0981337	5.22E-11	0.0111757	0.0160313	0.4857286	0.145604	20	0.86791667
ENSG00000215162	23	LINC00269	68399400	rs3904331	23	68420848	G	A	0.319843	-0.0076528	0.00746794	0.305482	0.652962	0.0715201	6.86E-20	-0.0117201	0.0115088	0.3085093	0.1435948	10	0.78042623
ENSG00000231963	23	RP11-493K23.4	72300006	rs56047400	23	71945989	T	G	0.129243	-0.0136762	0.0110489	0.215797	-0.48173	0.079593	1.43E-09	0.0283898	0.0234106	0.2252492	0.5312411	9	0.7255527
ENSG00000187325	23	TAF9B	77385245	rs2643578	23	77412491	G	T	0.20235	-0.0004223	0.00868283	0.961213	-0.305403	0.0426321	7.85E-13	0.00138262	0.0284314	0.961214	0.2905715	18	0.98751784
ENSG00000184788	23	SATL1	84347293	rs200808598	23	84577053	T	C	0.139687	-0.0052636	0.00948454	0.578915	-0.681151	0.0756214	2.11E-19	0.00772755	0.0139507	0.5796342	0.2194703	12	0.89127357
ENSG00000102362	23	SYTL4	99929488	rs4828057	23	100006043	A	C	0.516971	0.00161836	0.00708555	0.819333	0.486983	0.0417543	1.97E-31	0.00332324	0.0145527	0.8193671	0.2318727	12	0.9628767
ENSG00000188917	23	TRMT2B	100264335	rs113780984	23	100306853	T	C	0.110966	-0.0052484	0.0100364	0.60102	-0.63129	0.0848485	1.01E-13	0.00831374	0.0159375	0.6019157	0.03613157	7	0.89572075
ENSG00000126950	23	TMEM35	100333709	rs57587585	23	100339690	G	C	0.439948	-0.0008402	0.00715397	0.906508	0.184689	0.0259149	1.03E-12	-0.0045492	0.0387405	0.9065206	0.8589686	3	0.98043565
ENSG00000196440	23	ARMCX4	100673275	rs73254175	23	101392762	A	C	0.0430809	0.0235902	0.0132372	0.0747291	0.460667	0.0774583	2.73E-09	0.0512088	0.0299972	0.08779986	0.09280346	4	0.61929877
ENSG00000198932	23	GPRASP1	101906294	rs143672620	23	102172244	T	C	0.0796345	0.00760108	0.0105022	0.469213	-0.28288	0.0389014	3.55E-13	-0.0268703	0.0373094	0.4714005	0.7267104	13	0.85733378
ENSG00000123496	23	IL13RA2	114238538	rs151176784	23	114426905	T	C	0.0221932	0.00186989	0.0190409	0.92177	-0.732072	0.112989	9.22E-11	-0.0025542	0.0260126	0.9217794	0.6242867	9	0.98319553
ENSG00000077713	23	SLC25A43	118533023	rs217976	23	118533366	A	G	0.746736	-0.013076	0.0078864	0.0973083	0.39558	0.0488619	5.68E-16	-0.0330553	0.0203501	0.1043056	0.3550515	11	0.63225442
ENSG00000018610	23	CXorf56	118672112	rs62601742	23	118692092	A	G	0.0417755	0.00673963	0.019622	0.731242	-0.732312	0.0844096	4.11E-18	-0.0092032	0.0268156	0.7314448	0.9969429	20	0.93606022
ENSG00000125351	23	UPF3B	118967985	rs28384478	23	118925450	G	A	0.472585	-0.0057638	0.00705429	0.413891	0.35234	0.0602001	4.83E-09	-0.0163587	0.0202154	0.4183894	0.7977664	14	0.83980935
ENSG00000258545	23	RP4-755D9.1	119170201	rs2361185	23	119274634	C	T	0.210183	0.0119512	0.00925272	0.19648	0.761986	0.101847	7.34E-14	0.0156843	0.0123225	0.2030843	0.9532312	10	0.70391756
ENSG00000169551	23	CXorf48	134290461	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.646832	0.0881675	2.19E-13	-0.0142807	0.0119448	0.2318673	0.6651952	10	0.7327307
ENSG00000236491	23	RP13-565O16.2	134314179	rs7884595	23	134413830	C	T	0.344648	0.00923722	0.00762297	0.225604	-0.528279	0.0837682	2.86E-10	-0.0174855	0.0146938	0.2340492	0.6205289	7	0.7327307

ENSG00000203930	23	LINC00632	139791932	rs6636116	23	139865162	A	G	0.130548	0.00952775	0.0118186	0.420147	-0.612639	0.0972561	2.99E-10	-0.015552	0.0194486	0.4239172	0.2608689	3	0.84462953
ENSG00000179542	23	SLITRK4	142710596	rs146188921	23	142714243	C	T	0.0691906	-0.0111979	0.0177088	0.527166	-0.51976	0.0741371	2.37E-12	0.0215444	0.0342094	0.5288393	0.2081142	4	0.8813815
ENSG00000238039	23	AF011889.2	148593039	rs72611289	23	148608551	T	G	0.682768	0.00520728	0.00718827	0.468811	-0.663023	0.0800617	1.22E-16	-0.0078539	0.0108831	0.4705049	0.8965278	17	0.85733378
ENSG00000171116	23	HSFX1	148855726	rs5936308	23	148685623	G	C	0.744125	0.00447229	0.00755553	0.553902	0.663036	0.0789631	4.59E-17	0.00674517	0.0114236	0.554884	0.6644848	13	0.88769249
ENSG00000130032	23	PRRG3	150863596	rs35662236	23	150863991	T	C	0.518277	-0.0048579	0.00726914	0.503948	-0.188901	0.0322429	4.67E-09	0.0257166	0.0387308	0.5067007	0.4245406	3	0.87138801
ENSG00000235961	23	PNMA6C	152240819	rs150769228	23	152559373	A	G	0.134465	-0.0213811	0.0105816	0.0433202	-0.325746	0.0484122	1.71E-11	0.0656373	0.0339173	0.0529637	0.02055743	5	0.54356555
ENSG00000225110	23	LL0XNC01-16G2.1	152583141	rs10183	23	152583276	A	G	0.532637	-0.0004651	0.00708097	0.947633	-0.289019	0.0380248	2.94E-14	0.00160915	0.0245009	0.9476348	0.9519215	9	0.98751784
ENSG00000213391	23	RP11-66N11.6	152871972	rs4625199	23	152865955	T	G	0.966057	0.0134743	0.0208093	0.517299	-1.12576	0.176224	1.68E-10	-0.0119691	0.0185794	0.5194376	0.162355	5	0.87741473
ENSG00000232725	23	U52111.14	153001080	rs5987142	23	153015390	A	G	0.174935	-0.0087545	0.00957893	0.360751	-0.666375	0.0927324	6.67E-13	0.0131375	0.0144905	0.364601	0.9133967	9	0.81680835
ENSG00000184343	23	SRPK3	153041867	rs762650	23	153045202	G	A	0.83812	-0.0082863	0.00895459	0.354777	0.401588	0.0633123	2.25E-10	-0.0206337	0.022534	0.3598398	0.2310439	9	0.81588218
ENSG00000177854	23	TMEM187	153237778	rs6643807	23	153243159	C	G	0.190601	0.0108673	0.00930178	0.242684	-0.458119	0.0562754	3.93E-16	-0.0237216	0.0205123	0.2474953	0.03579773	18	0.73450129
ENSG00000147403	23	RPL10	153618315	rs2239469	23	153584885	A	C	0.0861619	0.00416634	0.0101244	0.680696	-0.307482	0.0383799	1.13E-15	-0.0135499	0.0329702	0.6810924	0.07703283	16	0.92288062
ENSG00000130827	23	PLXNA3	153686621	rs2239470	23	153598413	C	T	0.197128	-0.0098336	0.00825642	0.233643	-0.623708	0.0514179	7.31E-34	0.0157664	0.0133013	0.2358877	0.1404433	20	0.73450129
ENSG00000071889	23	FAM3A	153733350	rs5986877	23	153828269	C	G	0.879896	0.0343075	0.0124073	0.00569049	-0.233177	0.0412618	1.59E-08	-0.147131	0.0592379	0.01300158	0.6274269	5	0.34810394

Table S15. Biological process from GO enrichment analysis of genes significantly associated with anxiety disorders

ID	Description	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	geneID	Count
GO:0030212	hyaluronan metabolic process	2/12	31/18723	0.000173306	0.017227225	0.011472481	ITIH3/ITIH4	2
GO:0045746	negative regulation of Notch signaling pathway	2/12	36/18723	0.000234384	0.017227225	0.011472481	SLC35C1/ARRDC1	2
GO:1903510	mucopolysaccharide metabolic process	2/12	86/18723	0.001335804	0.059778183	0.039809316	ITIH3/ITIH4	2
GO:0008593	regulation of Notch signaling pathway	2/12	95/18723	0.001626617	0.059778183	0.039809316	SLC35C1/ARRDC1	2
GO:0030203	glycosaminoglycan metabolic process	2/12	118/18723	0.002494284	0.072801999	0.048482534	ITIH3/ITIH4	2
GO:0006022	aminoglycan metabolic process	2/12	129/18723	0.00297151	0.072801999	0.048482534	ITIH3/ITIH4	2
GO:0007219	Notch signaling pathway	2/12	172/18723	0.005212616	0.086687774	0.057729774	SLC35C1/ARRDC1	2
GO:0006655	phosphatidylglycerol biosynthetic process	1/12	10/18723	0.006392308	0.086687774	0.057729774	PTPMT1	1
GO:0018026	peptidyl-lysine monomethylation	1/12	11/18723	0.007029474	0.086687774	0.057729774	EHMT1	1
GO:0015780	nucleotide-sugar transmembrane transport	1/12	12/18723	0.007666266	0.086687774	0.057729774	SLC35C1	1
GO:0030259	lipid glycosylation	1/12	12/18723	0.007666266	0.086687774	0.057729774	SLC35C1	1
GO:0033235	positive regulation of protein sumoylation	1/12	12/18723	0.007666266	0.086687774	0.057729774	GNL3	1
GO:1904816	positive regulation of protein localization to chromosome, telomeric region	1/12	12/18723	0.007666266	0.086687774	0.057729774	GNL3	1
GO:1904814	regulation of protein localization to chromosome, telomeric region	1/12	14/18723	0.008938726	0.093718973	0.062412205	GNL3	1
GO:0032048	cardiolipin metabolic process	1/12	17/18723	0.010844613	0.093718973	0.062412205	PTPMT1	1
GO:0036065	fucosylation	1/12	17/18723	0.010844613	0.093718973	0.062412205	SLC35C1	1
GO:0010951	negative regulation of endopeptidase activity	2/12	252/18723	0.01089544	0.093718973	0.062412205	ITIH3/ITIH4	2
GO:0010466	negative regulation of peptidase activity	2/12	262/18723	0.011737285	0.093718973	0.062412205	ITIH3/ITIH4	2
GO:0070734	histone H3-K27 methylation	1/12	19/18723	0.012113337	0.093718973	0.062412205	EHMT1	1
GO:0140112	extracellular vesicle biogenesis	1/12	23/18723	0.01464631	0.10132056	0.067474487	ARRDC1	1
GO:0033233	regulation of protein sumoylation	1/12	25/18723	0.015910564	0.10132056	0.067474487	GNL3	1
GO:0015985	energy coupled proton transport, down electrochemical gradient	1/12	26/18723	0.016542132	0.10132056	0.067474487	ATP5MC1	1
GO:0015986	ATP synthesis coupled proton transport	1/12	26/18723	0.016542132	0.10132056	0.067474487	ATP5MC1	1
GO:0018027	peptidyl-lysine dimethylation	1/12	26/18723	0.016542132	0.10132056	0.067474487	EHMT1	1
GO:0070198	protein localization to chromosome, telomeric region	1/12	29/18723	0.01843461	0.107319052	0.071469186	GNL3	1
GO:0017145	stem cell division	1/12	30/18723	0.019064694	0.107319052	0.071469186	GNL3	1
GO:0045861	negative regulation of proteolysis	2/12	351/18723	0.020429532	0.107319052	0.071469186	ITIH3/ITIH4	2
GO:0006891	intra-Golgi vesicle-mediated transport	1/12	33/18723	0.020952721	0.107319052	0.071469186	COPZ1	1
GO:0046471	phosphatidylglycerol metabolic process	1/12	35/18723	0.022209555	0.107319052	0.071469186	PTPMT1	1
GO:0018205	peptidyl-lysine modification	2/12	376/18723	0.023240405	0.107319052	0.071469186	GNL3/EHMT1	2
GO:0051567	histone H3-K9 methylation	1/12	37/18723	0.023464909	0.107319052	0.071469186	EHMT1	1
GO:0051346	negative regulation of hydrolase activity	2/12	379/18723	0.02358808	0.107319052	0.071469186	ITIH3/ITIH4	2
GO:0006858	extracellular transport	1/12	38/18723	0.024092032	0.107319052	0.071469186	ARRDC1	1
GO:1902895	positive regulation of pri-miRNA transcription by RNA polymerase II	1/12	42/18723	0.026596834	0.113342874	0.075480754	GNL3	1
GO:0046677	response to antibiotic	1/12	47/18723	0.029719549	0.113342874	0.075480754	EHMT1	1
GO:0052548	regulation of endopeptidase activity	2/12	432/18723	0.030084644	0.113342874	0.075480754	ITIH3/ITIH4	2
GO:0061647	histone H3-K9 modification	1/12	48/18723	0.030342989	0.113342874	0.075480754	EHMT1	1
GO:0006953	acute-phase response	1/12	49/18723	0.030966062	0.113342874	0.075480754	ITIH4	1
GO:0006890	retrograde vesicle-mediated transport, Golgi to endoplasmic reticulum	1/12	52/18723	0.032833079	0.113342874	0.075480754	COPZ1	1
GO:0032206	positive regulation of telomere maintenance	1/12	52/18723	0.032833079	0.113342874	0.075480754	GNL3	1
GO:0016925	protein sumoylation	1/12	53/18723	0.033454685	0.113342874	0.075480754	GNL3	1
GO:2000772	regulation of cellular senescence	1/12	53/18723	0.033454685	0.113342874	0.075480754	NEK4	1
GO:0052547	regulation of peptidase activity	2/12	461/18723	0.033913257	0.113342874	0.075480754	ITIH3/ITIH4	2
GO:1902893	regulation of pri-miRNA transcription by RNA polymerase II	1/12	54/18723	0.034075925	0.113342874	0.075480754	GNL3	1
GO:0061614	pri-miRNA transcription by RNA polymerase II	1/12	55/18723	0.034696798	0.113342874	0.075480754	GNL3	1
GO:0006754	ATP biosynthetic process	1/12	57/18723	0.035937448	0.114843584	0.076480153	ATP5MC1	1
GO:0090342	regulation of cell aging	1/12	61/18723	0.038414364	0.120147053	0.080012001	NEK4	1
GO:0045995	regulation of embryonic development	1/12	64/18723	0.040268221	0.123321427	0.082125977	EHMT1	1
GO:0009206	purine ribonucleoside triphosphate biosynthetic process	1/12	68/18723	0.042734934	0.127451069	0.084876114	ATP5MC1	1
GO:0009145	purine nucleoside triphosphate biosynthetic process	1/12	69/18723	0.043350704	0.127451069	0.084876114	ATP5MC1	1
GO:0032729	positive regulation of interferon-gamma production	1/12	72/18723	0.045195834	0.129716432	0.086384735	BTN3A2	1
GO:0009201	ribonucleoside triphosphate biosynthetic process	1/12	74/18723	0.046424109	0.129716432	0.086384735	ATP5MC1	1
GO:0006305	DNA alkylation	1/12	76/18723	0.047650934	0.129716432	0.086384735	EHMT1	1
GO:0006306	DNA methylation	1/12	76/18723	0.047650934	0.129716432	0.086384735	EHMT1	1

Table S16. Cellular component from GO enrichment analysis of genes significantly associated with anxiety disorders

ID	Description	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	geneID	Count
GO:0031089	platelet dense granule lumen	2/13	14/19550	3.69777E-05	0.001331195	0.000661705	ITIH3/ITIH4	2
GO:0042827	platelet dense granule	2/13	21/19550	8.51092E-05	0.001531966	0.000761504	ITIH3/ITIH4	2
GO:0000276	mitochondrial proton-transporting ATP synthase complex, coupling factor F(o)	1/13	12/19550	0.00795265	0.049531889	0.024621115	ATP5MC1	1
GO:0030126	COPI vesicle coat	1/13	13/19550	0.008612729	0.049531889	0.024621115	COPZ1	1
GO:0035253	ciliary rootlet	1/13	13/19550	0.008612729	0.049531889	0.024621115	NEK4	1
GO:0045263	proton-transporting ATP synthase complex, coupling factor F(o)	1/13	14/19550	0.009272402	0.049531889	0.024621115	ATP5MC1	1
GO:0030663	COPI-coated vesicle membrane	1/13	18/19550	0.011907045	0.049531889	0.024621115	COPZ1	1
GO:0005753	mitochondrial proton-transporting ATP synthase complex	1/13	21/19550	0.013878781	0.049531889	0.024621115	ATP5MC1	1
GO:0045259	proton-transporting ATP synthase complex	1/13	22/19550	0.014535219	0.049531889	0.024621115	ATP5MC1	1
GO:0033177	proton-transporting two-sector ATPase complex, proton-transporting domain	1/13	24/19550	0.015846885	0.049531889	0.024621115	ATP5MC1	1
GO:0030137	COPI-coated vesicle	1/13	28/19550	0.018465383	0.049531889	0.024621115	COPZ1	1
GO:0034774	secretory granule lumen	2/13	322/19550	0.01871191	0.049531889	0.024621115	ITIH3/ITIH4	2
GO:0060205	cytoplasmic vesicle lumen	2/13	325/19550	0.019041375	0.049531889	0.024621115	ITIH3/ITIH4	2
GO:0031983	vesicle lumen	2/13	327/19550	0.019262401	0.049531889	0.024621115	ITIH3/ITIH4	2
GO:0016469	proton-transporting two-sector ATPase complex	1/13	49/19550	0.032107306	0.074815371	0.037188927	ATP5MC1	1
GO:0030120	vesicle coat	1/13	54/19550	0.035329481	0.074815371	0.037188927	COPZ1	1
GO:0030660	Golgi-associated vesicle membrane	1/13	54/19550	0.035329481	0.074815371	0.037188927	COPZ1	1
GO:0005743	mitochondrial inner membrane	2/13	495/19550	0.04149712	0.082994239	0.041254446	ATP5MC1/PTPMT1	2
GO:0035869	ciliary transition zone	1/13	71/19550	0.04621096	0.087557608	0.043522788	NEK4	1

Table S17. Molecular function from GO enrichment analysis of genes significantly associated with anxiety disorders

ID	Description	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	geneID	Count
GO:0004867	serine-type endopeptidase inhibitor activity	2/12	98/18368	0.001796009	0.048793326	0.023626242	ITIH3/ITIH4	2
GO:0004866	endopeptidase inhibitor activity	2/12	180/18368	0.00590903	0.048793326	0.023626242	ITIH3/ITIH4	2
GO:0030414	peptidase inhibitor activity	2/12	187/18368	0.006362716	0.048793326	0.023626242	ITIH3/ITIH4	2
GO:0046974	histone methyltransferase activity (H3-K9 specific)	1/12	10/18368	0.00651552	0.048793326	0.023626242	EHMT1	1
GO:0061135	endopeptidase regulator activity	2/12	194/18368	0.006831946	0.048793326	0.023626242	ITIH3/ITIH4	2
GO:0005338	nucleotide-sugar transmembrane transporter activity	1/12	12/18368	0.007813944	0.048793326	0.023626242	SLC35C1	1
GO:0034595	phosphatidylinositol phosphate 5-phosphatase activity	1/12	13/18368	0.008462573	0.048793326	0.023626242	PTPMT1	1
GO:0106019	phosphatidylinositol-4,5-bisphosphate phosphatase activity	1/12	13/18368	0.008462573	0.048793326	0.023626242	PTPMT1	1
GO:0061134	peptidase regulator activity	2/12	230/18368	0.00948591	0.048793326	0.023626242	ITIH3/ITIH4	2
GO:0070742	C2H2 zinc finger domain binding	1/12	15/18368	0.009758665	0.048793326	0.023626242	EHMT1	1
GO:0034593	phosphatidylinositol bisphosphate phosphatase activity	1/12	27/18368	0.017502659	0.069790306	0.033793201	PTPMT1	1
GO:0048027	mRNA 5'-UTR binding	1/12	27/18368	0.017502659	0.069790306	0.033793201	GNL3	1
GO:1990756	ubiquitin ligase-substrate adaptor activity	1/12	28/18368	0.01814548	0.069790306	0.033793201	ARRDC1	1
GO:0001222	transcription corepressor binding	1/12	32/18368	0.020712908	0.073314375	0.035499592	EHMT1	1
GO:0052866	phosphatidylinositol phosphate phosphatase activity	1/12	34/18368	0.021994312	0.073314375	0.035499592	PTPMT1	1
GO:0018024	histone-lysine N-methyltransferase activity	1/12	43/18368	0.027741636	0.086692613	0.041977476	EHMT1	1
GO:0008138	protein tyrosine/serine/threonine phosphatase activity	1/12	47/18368	0.030286051	0.087530232	0.04238306	PTPMT1	1
GO:0015932	nucleobase-containing compound transmembrane transporter activity	1/12	50/18368	0.032190354	0.087530232	0.04238306	SLC35C1	1
GO:1901505	carbohydrate derivative transmembrane transporter activity	1/12	53/18368	0.034091229	0.087530232	0.04238306	SLC35C1	1
GO:0042054	histone methyltransferase activity	1/12	56/18368	0.035988681	0.087530232	0.04238306	EHMT1	1
GO:0016279	protein-lysine N-methyltransferase activity	1/12	59/18368	0.037882716	0.087530232	0.04238306	EHMT1	1
GO:0016278	lysine N-methyltransferase activity	1/12	60/18368	0.038513302	0.087530232	0.04238306	EHMT1	1
GO:0030145	manganese ion binding	1/12	65/18368	0.041660556	0.088101816	0.042659827	NEK4	1
GO:0002039	p53 binding	1/12	66/18368	0.042288872	0.088101816	0.042659827	EHMT1	1
GO:0106306	protein serine phosphatase activity	1/12	73/18368	0.046676524	0.089762546	0.043463969	PTPMT1	1
GO:0106307	protein threonine phosphatase activity	1/12	73/18368	0.046676524	0.089762546	0.043463969	PTPMT1	1
GO:0001221	transcription coregulator binding	1/12	78/18368	0.049799271	0.092220872	0.044654317	EHMT1	1

Table S18. KEGG enrichment analysis of genes significantly associated with anxiety disorders

ID	Description	GeneRatio	BgRatio	pvalue	p.adjust	qvalue	geneID	Count
GO:0004867	serine-type endopeptidase inhibitor activity	2/12	98/18368	0.001796009	0.048793326	0.023626242	ITIH3/ITIH4	2
GO:0004866	endopeptidase inhibitor activity	2/12	180/18368	0.00590903	0.048793326	0.023626242	ITIH3/ITIH4	2
GO:0030414	peptidase inhibitor activity	2/12	187/18368	0.006362716	0.048793326	0.023626242	ITIH3/ITIH4	2
GO:0046974	histone methyltransferase activity (H3-K9 specific)	1/12	10/18368	0.00651552	0.048793326	0.023626242	EHMT1	1
GO:0061135	endopeptidase regulator activity	2/12	194/18368	0.006831946	0.048793326	0.023626242	ITIH3/ITIH4	2
GO:0005338	nucleotide-sugar transmembrane transporter activity	1/12	12/18368	0.007813944	0.048793326	0.023626242	SLC35C1	1
GO:0034595	phosphatidylinositol phosphate 5-phosphatase activity	1/12	13/18368	0.008462573	0.048793326	0.023626242	PTPMT1	1
GO:0106019	phosphatidylinositol-4,5-bisphosphate phosphatase activity	1/12	13/18368	0.008462573	0.048793326	0.023626242	PTPMT1	1
GO:0061134	peptidase regulator activity	2/12	230/18368	0.00948591	0.048793326	0.023626242	ITIH3/ITIH4	2
GO:0070742	C2H2 zinc finger domain binding	1/12	15/18368	0.009758665	0.048793326	0.023626242	EHMT1	1
GO:0034593	phosphatidylinositol bisphosphate phosphatase activity	1/12	27/18368	0.017502659	0.069790306	0.033793201	PTPMT1	1
GO:0048027	mRNA 5'-UTR binding	1/12	27/18368	0.017502659	0.069790306	0.033793201	GNL3	1
GO:1990756	ubiquitin ligase-substrate adaptor activity	1/12	28/18368	0.01814548	0.069790306	0.033793201	ARRDC1	1
GO:0001222	transcription corepressor binding	1/12	32/18368	0.020712908	0.073314375	0.035499592	EHMT1	1
GO:0052866	phosphatidylinositol phosphate phosphatase activity	1/12	34/18368	0.021994312	0.073314375	0.035499592	PTPMT1	1
GO:0018024	histone-lysine N-methyltransferase activity	1/12	43/18368	0.027741636	0.086692613	0.041977476	EHMT1	1
GO:0008138	protein tyrosine/serine/threonine phosphatase activity	1/12	47/18368	0.030286051	0.087530232	0.04238306	PTPMT1	1
GO:0015932	nucleobase-containing compound transmembrane transporter activity	1/12	50/18368	0.032190354	0.087530232	0.04238306	SLC35C1	1
GO:1901505	carbohydrate derivative transmembrane transporter activity	1/12	53/18368	0.034091229	0.087530232	0.04238306	SLC35C1	1
GO:0042054	histone methyltransferase activity	1/12	56/18368	0.035988681	0.087530232	0.04238306	EHMT1	1
GO:0016279	protein-lysine N-methyltransferase activity	1/12	59/18368	0.037882716	0.087530232	0.04238306	EHMT1	1
GO:0016278	lysine N-methyltransferase activity	1/12	60/18368	0.038513302	0.087530232	0.04238306	EHMT1	1
GO:0030145	manganese ion binding	1/12	65/18368	0.041660556	0.088101816	0.042659827	NEK4	1
GO:0002039	p53 binding	1/12	66/18368	0.042288872	0.088101816	0.042659827	EHMT1	1
GO:0106306	protein serine phosphatase activity	1/12	73/18368	0.046676524	0.089762546	0.043463969	PTPMT1	1
GO:0106307	protein threonine phosphatase activity	1/12	73/18368	0.046676524	0.089762546	0.043463969	PTPMT1	1
GO:0001221	transcription coregulator binding	1/12	78/18368	0.049799271	0.092220872	0.044654317	EHMT1	1