

Table S2 The complete list of all significant cis-eQTL SNP-gene interactions for the depression loci

PValue	Chromosome	BasePosition	SNPName	ProbeName	SNPType	AlleleAssessed	OverallZScore	HGNCName	FDR	FoundInProx
6.1E-123	7	24709810	rs2721811	ENSG00000105928.16	A/G	G	23.5809379	GSDME		0 Y
7.23E-88	5	140832953	rs3806843	ENSG00000204962.6	T/C	T	19.8713492	PCDHA8		0 N
1.45E-71	5	140832953	rs3806843	ENSG00000239389.8	T/C	T	-17.888582	PCDHA13		0 N
8.73E-61	5	140832953	rs3806843	ENSG00000250120.8	T/C	T	16.4477652	PCDHA10		0 N
4.47E-58	6	28329086	rs853679	ENSG00000235109.7	C/A	A	16.0652087	ZSCAN31		0 Y
4.76E-54	3	49176633	rs13084037	ENSG00000173540.12	A/G	G	15.4796759	GMPPB		0 N
1.48E-52	3	49176633	rs13084037	ENSG00000145020.15	A/G	G	-15.2568199	AMT		0 Y
2.18E-46	5	140832953	rs3806843	ENSG00000204963.6	T/C	T	14.3005182	PCDHA7		0 N
5.42E-46	14	74663532	rs1045430	ENSG00000119682.17	T/G	T	14.2368404	AREL1		0 Y
4.62E-43	12	120767275	rs3213572	ENSG00000157837.16	G/A	A	-13.7568749	SPPL3		0 Y
1.19E-42	12	120886924	rs3897746	ENSG00000157837.16	A/G	G	-13.688513	SPPL3		0 Y
2.51E-41	22	50240142	rs5771109	ENSG00000188130.14	C/T	C	-13.4651119	MAPK12		0 N
1.16E-37	6	28329086	rs853679	ENSG00000187987.9	C/A	A	12.8267893	ZSCAN23		0 N
2.27E-35	13	31333604	rs1409379	ENSG00000187676.8	C/T	C	12.4114638	B3GLCT		0 Y
3.33E-34	17	29049573	rs8066520	ENSG00000221995.5	G/A	A	-12.1943367	TIAF1		0 N
1.45E-33	6	26466954	rs3799380	ENSG00000186470.14	T/C	C	-12.0740541	BTN3A2		0 Y
2.37E-32	3	49176633	rs13084037	ENSG00000213672.8	A/G	G	-11.8417689	NCKIPSD		0 N
9.01E-32	22	50240142	rs5771109	ENSG00000128159.12	C/T	C	11.7294906	TUBGCP6		0 Y
2.32E-30	22	41091214	rs5995992	ENSG00000172346.15	T/C	C	11.4512019	CSDC2		0 N
2.4E-30	22	41225710	rs2179744	ENSG00000172346.15	G/A	A	11.4484254	CSDC2		0 N
2.91E-30	2	86592005	rs7585722	ENSG00000183281.14	T/C	C	-11.4314322	PLGLB1		0 N
8.16E-30	3	44695001	rs4346585	ENSG00000144792.9	T/C	C	-11.3415772	ZNF660		0 N
2.74E-28	22	41082478	rs9623320	ENSG00000172346.15	G/A	A	11.0301933	CSDC2		0 N
5.58E-28	6	27867657	rs200949	ENSG00000235109.7	A/G	G	10.9658343	ZSCAN31		0 Y
2.21E-27	6	27848045	rs200990	ENSG00000235109.7	T/G	G	10.8407985	ZSCAN31		0 Y
3.6E-27	2	159805547	rs2042772	ENSG00000054219.11	T/C	T	-10.7956392	LY75		0 Y
1E-25	20	46052214	rs12624433	ENSG00000101017.14	G/A	A	-10.4858059	CD40		0 N
1.33E-25	22	41225710	rs2179744	ENSG00000100413.17	G/A	A	10.4595493	POLR3H		0 N
1.92E-25	22	41091214	rs5995992	ENSG00000100413.17	T/C	C	10.4244338	POLR3H		0 N
8.65E-25	22	41082478	rs9623320	ENSG00000100413.17	G/A	A	10.2802637	POLR3H		0 N
8.95E-25	19	32598525	rs17692896	ENSG00000021488.13	G/A	A	-10.2769995	SLC7A9		0 N
1.34E-24	5	140832953	rs3806843	ENSG00000204969.7	T/C	T	10.2382434	PCDHA2		0 Y
3E-24	22	41091214	rs5995992	ENSG00000167077.13	T/C	C	10.1598007	MEI1		0 N
3.58E-24	6	108036788	rs2097525	ENSG00000081087.15	G/A	A	10.1425138	OSTM1		0 Y
4.69E-24	6	108060143	rs9374013	ENSG00000081087.15	G/A	A	10.1160637	OSTM1		0 Y
6.73E-24	6	108043378	rs12567	ENSG00000081087.15	T/C	C	10.080701	OSTM1		0 Y

9.15E-24	6	108043747	rs1064346	ENSG00000081087.15	T/C	C	10.0505355	OSTM1	0 Y
9.92E-24	6	108044454	rs9320250	ENSG00000081087.15	T/C	C	10.0425941	OSTM1	0 Y
1.12E-23	6	108030851	rs9372177	ENSG00000081087.15	A/G	G	10.030734	OSTM1	0 Y
1.13E-23	6	108040786	rs17069204	ENSG00000081087.15	T/C	C	10.030023	OSTM1	0 Y
1.55E-23	1	66681134	rs10789214	ENSG00000152760.10	T/C	C	9.9982158	TCTEX1D1	0 N
1.6E-23	6	108033694	rs9400180	ENSG00000081087.15	C/T	T	9.99524	OSTM1	0 Y
1.65E-23	22	41225710	rs2179744	ENSG00000167077.13	G/A	A	9.992402	MEI1	0 N
4.53E-23	6	108066028	rs2027876	ENSG00000081087.15	G/A	A	9.8916131	OSTM1	0 Y
6.13E-23	6	27408222	rs2064219	ENSG00000124613.8	A/G	G	-9.8611409	ZNF391	0 N
6.3E-23	22	41082478	rs9623320	ENSG00000167077.13	G/A	A	9.8584786	MEI1	0 N
8.04E-23	5	140832953	rs3806843	ENSG00000213523.10	T/C	T	-9.8339211	SRA1	0 N
1.14E-22	17	29036732	rs75581564	ENSG00000221995.5	G/A	A	-9.7984256	TIAF1	0 N
1.23E-22	6	108030386	rs9374002	ENSG00000081087.15	G/A	A	9.7914149	OSTM1	0 Y
2.27E-22	6	108025473	rs9386694	ENSG00000081087.15	A/C	C	9.7290073	OSTM1	0 Y
4.76E-22	22	41022293	rs9611460	ENSG00000172346.15	T/C	C	9.6532657	CSDC2	0 N
7.87E-22	12	120926032	rs77741769	ENSG00000157837.16	C/T	T	-9.6015458	SPPL3	0 Y
9.25E-22	22	41022293	rs9611460	ENSG00000100413.17	T/C	C	9.5851293	POLR3H	0 N
3.76E-21	3	11549277	rs6442260	ENSG00000197548.12	G/A	A	-9.4388302	ATG7	0 Y
5.71E-21	12	68976976	rs9943849	ENSG00000135678.12	C/T	T	-9.3950013	CPM	0 Y
8.16E-21	6	27867657	rs200949	ENSG00000187987.9	A/G	G	9.357606	ZSCAN23	0 N
1.28E-20	6	27848045	rs200990	ENSG00000187987.9	T/G	G	9.3102531	ZSCAN23	0 N
2.22E-20	6	28329086	rs853679	ENSG00000189298.14	C/A	A	-9.2509422	ZKSCAN3	0 Y
2.39E-20	22	41022293	rs9611460	ENSG00000167077.13	T/C	C	9.2435141	MEI1	0 N
2.39E-20	6	104918016	rs1933802	ENSG00000187772.8	C/G	C	9.2433284	LIN28B	0 Y
3.15E-20	2	197417052	rs699319	ENSG00000115524.16	A/C	C	9.2138596	SF3B1	0 Y
4.33E-20	6	104942078	rs1475120	ENSG00000187772.8	G/A	G	9.1797639	LIN28B	0 Y
3.2E-19	6	28329086	rs853679	ENSG00000197062.11	C/A	A	-8.96145	ZSCAN26	0 N
9.12E-18	14	41605523	rs61990288	ENSG00000165379.13	A/G	G	-8.5844958	LRFN5	0 Y
9.45E-18	2	29057895	rs882632	ENSG00000179270.7	C/T	T	-8.5802694	PCARE	0 N
1.41E-17	5	140832953	rs3806843	ENSG00000146007.11	T/C	T	8.5347685	ZMAT2	0 Y
1.82E-17	1	51876755	rs1890946	ENSG00000169213.7	T/C	T	8.5049107	RAB3B	0 N
3.74E-17	22	41221893	rs5758265	ENSG00000100413.17	G/A	A	8.420963	POLR3H	0 N
5.7E-17	6	26376604	rs13218591	ENSG00000124508.17	T/C	C	8.3712639	BTN2A2	0 N
5.76E-17	3	44695001	rs4346585	ENSG00000196653.12	T/C	C	-8.3699077	ZNF502	0 N
1.01E-16	20	49133840	rs6066975	ENSG00000124207.17	C/A	A	8.3040846	CSE1L	0 Y
3.09E-16	3	44695001	rs4346585	ENSG00000186446.12	T/C	C	-8.1697778	ZNF501	0 N
4.88E-16	20	48918761	rs4810896	ENSG00000124207.17	C/A	A	8.114414	CSE1L	0 Y
6.84E-16	17	29249944	rs17727765	ENSG00000221995.5	T/C	C	-8.0733824	TIAF1	0 N

1.05E-15	6	26376604	rs13218591	ENSG00000026950.17	T/C	C	8.0209709	BTN3A1	0 Y
1.7E-15	15	48961764	rs8031813	ENSG000000140285.10	A/C	C	7.9617294	FGF7	0 N
1.93E-15	14	41710529	rs4904738	ENSG000000165379.13	T/C	C	-7.9454209	LRFN5	0 Y
6.33E-15	6	27408222	rs2064219	ENSG000000137185.12	A/G	G	7.797341	ZSCAN9	0 N
7.89E-15	12	120886924	rs3897746	ENSG000000122971.9	A/G	G	7.7695122	ACADS	0 N
3.97E-14	1	8407293	rs301795	ENSG000000142599.19	G/A	A	7.5620572	RERE	0 Y
5.55E-14	22	41221893	rs5758265	ENSG000000167077.13	G/A	A	7.5185073	MEI1	0 N
9.84E-14	2	86592005	rs7585722	ENSG000000115561.16	T/C	C	7.4430114	CHMP3	0 Y
1.04E-13	12	120767275	rs3213572	ENSG000000122971.9	G/A	A	7.4360762	ACADS	0 N
2.78E-13	15	99759034	rs6598266	ENSG000000183060.15	G/A	A	-7.3046445	LYSMD4	0 Y
2.9E-13	5	140832953	rs3806843	ENSG000000113119.12	T/C	T	7.2991713	TMCO6	0 N
3.23E-13	1	72359177	rs6687024	ENSG000000172260.15	C/T	C	-7.2842429	NEGR1	0 Y
5.98E-13	12	120886924	rs3897746	ENSG000000257218.6	A/G	G	7.2011941	GATC	0 N
6.6E-13	6	26376604	rs13218591	ENSG000000111801.16	T/C	C	7.187579	BTN3A3	0 N
9.83E-13	1	72346221	rs11209948	ENSG000000172260.15	G/T	G	-7.1326912	NEGR1	0 Y
1.03E-12	1	72299433	rs2568958	ENSG000000172260.15	G/A	G	-7.1260015	NEGR1	0 Y
1.43E-12	5	140832953	rs3806843	ENSG000000204967.12	T/C	T	7.0813582	PCDHA4	0 Y
1.69E-12	4	42045761	rs34215985	ENSG000000014824.14	G/C	C	7.0579948	SLC30A9	0 Y
3.25E-12	1	72347535	rs1432639	ENSG000000172260.15	C/A	C	-6.9664575	NEGR1	0 Y
3.41E-12	3	49176633	rs13084037	ENSG000000145029.13	A/G	G	6.9596975	NICN1	0 N
4.32E-12	20	48918761	rs4810896	ENSG000000124214.19	C/A	A	6.9262186	STAU1	0 Y
5.56E-12	6	27848045	rs200990	ENSG000000197062.11	T/G	G	-6.8902119	ZSCAN26	0 N
6.02E-12	20	49133840	rs6066975	ENSG000000124214.19	C/A	A	6.8792219	STAU1	0 Y
6.64E-12	18	53205432	rs7227069	ENSG000000187323.12	G/A	A	6.8652326	DCC	0 Y
8.48E-12	12	120767275	rs3213572	ENSG000000257218.6	G/A	A	6.8303285	GATC	0 N
8.78E-12	22	41221893	rs5758265	ENSG000000172346.15	G/A	A	6.8252673	CSDC2	0 N
1.24E-11	6	27867657	rs200949	ENSG000000197062.11	A/G	G	-6.7756235	ZSCAN26	0 N
1.92E-11	22	41022293	rs9611460	ENSG000000128285.4	T/C	C	-6.711712	MCHR1	0 N
2.04E-11	6	30543393	rs2524222	ENSG000000204520.13	C/T	T	-6.7031337	MICA	0 Y
2.31E-11	3	184158724	rs1969253	ENSG000000145194.18	A/C	A	-6.6848552	ECE2	0 Y
2.41E-11	9	132757106	rs12552369	ENSG000000165695.9	G/A	G	-6.6788363	AK8	0 Y
3.32E-11	6	99104094	rs10457592	ENSG000000112234.9	G/A	A	6.6316475	FBXL4	0 Y
3.74E-11	18	53088362	rs11663393	ENSG000000187323.12	G/A	A	6.6141854	DCC	0 Y
4.29E-11	3	158389391	rs7430565	ENSG000000118849.10	G/A	G	-6.5936206	RARRES1	0 N
4.3E-11	11	73861450	rs113485090	ENSG000000175581.14	A/G	G	6.5932392	MRPL48	0 Y
5.11E-11	3	158260173	rs1095626	ENSG000000118849.10	T/C	C	-6.5676005	RARRES1	0 N
8.77E-11	6	104918016	rs1933802	ENSG000000085382.12	C/G	C	-6.4867008	HACE1	0 Y
9.42E-11	11	65547359	rs58621819	ENSG000000172803.18	A/T	T	6.476179	SNX32	0 N

1E-10	3	38425758	rs73063271	ENSG00000144671.10	A/G	G	6.4671441	SLC22A14	0 N
1.26E-10	6	27867657	rs200949	ENSG00000189298.14	A/G	G	-6.4315873	ZKSCAN3	0 Y
1.33E-10	6	26376604	rs13218591	ENSG00000181315.11	T/C	C	6.4241722	ZNF322	0 N
1.46E-10	6	104942078	rs1475120	ENSG00000085382.12	G/A	G	-6.4089551	HACE1	0 Y
1.61E-10	6	27848045	rs200990	ENSG00000189298.14	T/G	G	-6.3948182	ZKSCAN3	0 Y
2.15E-10	11	113500036	rs61902811	ENSG00000170209.5	G/A	A	6.3504584	ANKK1	0 N
2.15E-10	18	53226240	rs8099160	ENSG00000187323.12	G/A	A	6.3501165	DCC	0 Y
2.24E-10	22	41082478	rs9623320	ENSG00000128285.4	G/A	A	-6.3436062	MCHR1	0 N
2.54E-10	18	53253042	rs1431181	ENSG00000187323.12	G/A	A	6.3244194	DCC	0 Y
3.38E-10	22	41225710	rs2179744	ENSG00000128285.4	G/A	A	-6.2803785	MCHR1	0 N
3.38E-10	3	49176633	rs13084037	ENSG00000178467.18	A/G	G	-6.2802501	P4HTM	0 N
3.47E-10	14	64230319	rs1152578	ENSG00000140009.18	C/T	T	-6.2758783	ESR2	0 Y
4.09E-10	1	72479983	rs782212	ENSG00000172260.15	C/T	T	-6.2504866	NEGR1	0 Y
5.44E-10	15	48961280	rs11636875	ENSG00000140285.10	A/G	G	6.2058507	FGF7	0 N
1.27E-09	13	43753663	rs4143229	ENSG00000179630.11	A/C	C	-6.071066	LACC1	0 Y
1.37E-09	3	98969178	rs1481631	ENSG00000064225.12	C/T	T	6.0593706	ST3GAL6	0 N
1.59E-09	22	41091214	rs5995992	ENSG00000128285.4	T/C	C	-6.0352806	MCHR1	0 N
1.65E-09	16	72180377	rs11643192	ENSG00000182149.21	C/A	A	-6.0284612	IST1	0 Y
2.14E-09	1	8424763	rs301807	ENSG00000142599.19	A/G	A	-5.9866387	RERE	0 Y
2.26E-09	16	21628389	rs12923444	ENSG00000243716.10	A/C	C	5.9776879	NPIP5	0 N
2.75E-09	6	27408222	rs2064219	ENSG00000273542.1	A/G	G	-5.9458545	HIST1H4K	0 N
3.1E-09	15	68304789	rs7174755	ENSG00000129007.14	T/C	C	-5.9259313	CALML4	0 Y
4.77E-09	1	8444361	rs159963	ENSG00000142599.19	C/A	C	-5.8548728	RERE	0 Y
4.92E-09	10	4770962	rs11818567	ENSG00000151632.17	A/G	G	5.8498674	AKR1C2	0 N
5.28E-09	18	53172556	rs4277413	ENSG00000187323.12	A/G	G	5.8382443	DCC	0 Y
5.42E-09	1	8429242	rs301799	ENSG00000142599.19	C/T	C	-5.8336222	RERE	0 Y
5.47E-09	14	64219489	rs915057	ENSG00000140009.18	G/A	A	-5.8320251	ESR2	0 Y
5.82E-09	9	33420010	rs10758202	ENSG00000165271.17	A/G	G	5.8218202	NOL6	0 N
6.65E-09	20	46052214	rs12624433	ENSG00000124140.13	G/A	A	5.7996624	SLC12A5	0 Y
6.7E-09	1	8422018	rs301806	ENSG00000142599.19	C/T	C	-5.7982375	RERE	0 Y
8.78E-09	3	44695001	rs4346585	ENSG00000186448.15	T/C	C	-5.7526268	ZNF197	0 N
1.2E-08	7	12219129	rs3823612	ENSG00000005108.16	G/C	C	5.6997102	THSD7A	0 Y
1.22E-08	1	109488566	rs12049330	ENSG00000181754.7	T/G	G	5.697046	AMIGO1	0 N
1.25E-08	20	41329322	rs6065333	ENSG00000132793.11	T/C	C	-5.6927985	LPIN3	0 N
1.34E-08	18	53185406	rs7505145	ENSG00000187323.12	A/C	A	-5.6806111	DCC	0 Y
1.37E-08	8	64649462	rs7837935	ENSG00000172817.4	G/T	T	5.6768782	CYP7B1	0 Y
1.44E-08	3	49176633	rs13084037	ENSG00000178252.18	A/G	G	5.6683662	WDR6	0 N
2.34E-08	7	12214254	rs2043539	ENSG00000005108.16	G/A	A	5.5848197	THSD7A	0 Y

2.65E-08	11	73861450	rs113485090	ENSG00000021300.14	A/G	G	5.5632005	PLEKHB1	0 N
2.79E-08	19	32598525	rs17692896	ENSG00000105185.12	G/A	A	5.5542039	PDCD5	0 Y
2.89E-08	22	41221893	rs5758265	ENSG00000128285.4	G/A	A	-5.5479693	MCHR1	0 N
3.21E-08	22	41091214	rs5995992	ENSG00000100162.15	T/C	C	5.5297492	CENPM	0 N
3.97E-08	14	103551616	rs10149470	ENSG00000166166.13	A/G	A	-5.4922296	TRMT61A	0 N
4.41E-08	22	41082478	rs9623320	ENSG00000100162.15	G/A	A	5.4736638	CENPM	0 N
4.71E-08	22	41082478	rs9623320	ENSG00000100395.15	G/A	A	5.4618784	L3MBTL2	0 Y
5.55E-08	22	41225710	rs2179744	ENSG00000100395.15	G/A	A	5.4329613	L3MBTL2	0 Y
6.01E-08	3	49176633	rs13084037	ENSG00000164054.15	A/G	G	5.4184023	SHISA5	0 N
6.17E-08	16	72180377	rs11643192	ENSG00000140832.9	C/A	A	-5.4136744	MARVELD3	0 N
6.32E-08	1	109577110	rs6537837	ENSG00000168765.17	C/T	T	-5.4095228	GSTM4	0 Y
6.88E-08	22	41225710	rs2179744	ENSG00000100162.15	G/A	A	5.3942209	CENPM	0 N
7.06E-08	22	41091214	rs5995992	ENSG00000100395.15	T/C	C	5.3896333	L3MBTL2	0 Y
7.25E-08	12	4307138	rs4625554	ENSG00000118971.8	A/G	G	-5.3847411	CCND2	0 Y
7.53E-08	18	52866733	rs149735550	ENSG00000187323.12	G/T	T	5.3781608	DCC	0 Y
7.94E-08	18	54821441	rs62091461	ENSG00000101751.10	C/T	T	5.3686912	POLI	0 N
7.98E-08	18	52991139	rs62097899	ENSG00000187323.12	C/T	T	5.3677467	DCC	0 Y
8.7E-08	12	85949356	rs1448094	ENSG00000198774.5	T/G	T	-5.3519656	RASSF9	0 N
8.78E-08	22	41022293	rs9611460	ENSG00000100395.15	T/C	C	5.3504995	L3MBTL2	0 Y
1.27E-07	1	109488566	rs12049330	ENSG00000162650.16	T/G	G	5.2836925	ATXN7L2	0 Y
1.27E-07	13	43753663	rs4143229	ENSG00000151773.13	A/C	C	-5.2831619	CCDC122	0 Y
1.37E-07	1	227480089	rs12410462	ENSG00000143740.14	G/A	A	5.2690254	SNAP47	0 N
1.41E-07	6	26466954	rs3799380	ENSG00000111801.16	T/C	C	5.2637403	BTN3A3	0 N
1.54E-07	6	27848045	rs200990	ENSG00000137185.12	T/G	G	5.2472415	ZSCAN9	0 N
1.63E-07	6	26376604	rs13218591	ENSG00000112763.17	T/C	C	5.2374541	BTN2A1	0 Y
1.89E-07	18	54821441	rs62091461	ENSG00000041353.10	C/T	T	-5.2096377	RAB27B	0 Y
1.97E-07	22	50240142	rs5771109	ENSG00000073169.14	C/T	C	5.2018782	SELENOO	0 N
2.03E-07	6	27408222	rs2064219	ENSG00000096654.15	A/G	G	5.196692	ZNF184	0 Y
2.25E-07	22	41082478	rs9623320	ENSG00000100372.15	G/A	A	-5.1773392	SLC25A17	0 N
2.41E-07	2	96315631	rs4435501	ENSG00000274286.2	A/C	C	-5.1641367	ADRA2B	0 N
2.46E-07	1	109488566	rs12049330	ENSG00000134222.16	T/G	G	-5.1607875	PSRC1	0 N
2.86E-07	22	41022293	rs9611460	ENSG00000100372.15	T/C	C	-5.1321043	SLC25A17	0 N
3.37E-07	22	41091214	rs5995992	ENSG00000100372.15	T/C	C	-5.1015103	SLC25A17	0 N
3.71E-07	11	61704206	rs198457	ENSG00000149485.19	C/T	T	5.0835997	FADS1	0 N
3.92E-07	22	50240142	rs5771109	ENSG00000100429.18	C/T	C	-5.0725042	HDAC10	0 N
3.99E-07	6	30543393	rs2524222	ENSG00000234127.9	C/T	T	-5.0693297	TRIM26	0 Y
4.47E-07	1	226611382	rs11577545	ENSG00000203685.10	C/T	T	5.0477512	STUM	0 Y
6.03E-07	2	96315631	rs4435501	ENSG00000198885.9	A/C	C	4.9905162	ITPRIPL1	0 Y

6.39E-07	18	53223855	rs12968428	ENSG00000187323.12	G/A	G	-4.9788463	DCC	0 Y
7.35E-07	6	30543393	rs2524222	ENSG00000137411.18	C/T	T	4.9519037	VAR52	0 N
7.53E-07	5	140832953	rs3806843	ENSG00000255408.4	T/C	T	4.9472927	PCDHA3	0 Y
7.66E-07	16	21628389	rs12923444	ENSG00000155719.17	A/C	C	4.9438369	OTOA	0 N
8.7E-07	6	27408222	rs2064219	ENSG00000158553.4	A/G	G	-4.918938	POM121L2	0 N
8.91E-07	6	27848045	rs200990	ENSG00000197238.4	T/G	G	-4.9143505	HIST1H4J	0 N
9.19E-07	6	26376604	rs13218591	ENSG00000182952.5	T/C	C	4.9082424	HMGNA4	0 N
1.1E-06	22	41225710	rs2179744	ENSG00000100372.15	G/A	A	-4.8735841	SLC25A17	0 N
1.41E-06	5	140832953	rs3806843	ENSG00000170458.14	T/C	T	4.8241855	CD14	0 N
1.84E-06	18	59647575	rs11152166	ENSG00000183287.14	T/C	C	-4.7696873	CCBE1	0 Y
2.09E-06	20	41163423	rs2228246	ENSG00000132793.11	A/G	G	-4.74427	LPIN3	0.000813 N
2.28E-06	5	140832953	rs3806843	ENSG00000131495.8	T/C	T	-4.7264183	NDUFA2	0.000806 N
2.43E-06	6	27867657	rs200949	ENSG00000137185.12	A/G	G	4.7136782	ZSCAN9	0.000806 N
2.71E-06	6	27848045	rs200990	ENSG00000273542.1	T/G	G	-4.6914116	HIST1H4K	0.000806 N
2.74E-06	2	20061924	rs7565124	ENSG00000183891.6	A/G	A	-4.6890541	TTC32	0.0008 N
2.76E-06	6	27867657	rs200949	ENSG00000273542.1	A/G	G	-4.687876	HIST1H4K	0.0008 N
2.83E-06	3	49176633	rs13084037	ENSG00000178149.17	A/G	G	-4.6829184	DALRD3	0.000794 N
3.33E-06	6	28329086	rs853679	ENSG00000137338.5	C/A	A	4.6497496	PGBD1	0.000787 N
3.72E-06	12	120926032	rs77741769	ENSG00000257218.6	C/T	T	4.6263416	GATC	0.000787 N
3.76E-06	18	55100746	rs12963231	ENSG00000166510.14	C/A	A	-4.6243637	CCDC68	0.000781 Y
3.89E-06	14	64219489	rs915057	ENSG00000100714.17	G/A	A	4.6171241	MTHFD1	0.000775 N
4.34E-06	22	41225710	rs2179744	ENSG00000100403.12	G/A	A	4.5942532	ZC3H7B	0.000769 N
4.49E-06	12	120926032	rs77741769	ENSG00000157895.11	C/T	T	4.5875825	C12orf43	0.000763 N
4.57E-06	22	41091214	rs5995992	ENSG00000100403.12	T/C	C	4.5837812	ZC3H7B	0.000763 N
5.4E-06	11	57680560	rs10896636	ENSG00000134809.9	C/G	G	-4.5484856	TIMM10	0.000758 N
5.64E-06	2	86592005	rs7585722	ENSG00000153563.15	T/C	C	-4.5394217	CD8A	0.000752 N
6.1E-06	1	109577110	rs6537837	ENSG00000134222.16	C/T	T	-4.5229288	PSRC1	0.000752 N
6.66E-06	22	41082478	rs9623320	ENSG00000100403.12	G/A	A	4.504293	ZC3H7B	0.000752 N
7.1E-06	5	140832953	rs3806843	ENSG00000204961.6	T/C	T	-4.4906147	PCDHA9	0.000746 N
7.32E-06	9	33420010	rs10758202	ENSG00000165269.13	A/G	G	-4.4840373	AQP7	0.000741 N
8.85E-06	20	49133840	rs6066975	ENSG00000124228.14	C/A	A	-4.4432304	DDX27	0.000735 N
8.99E-06	6	27867657	rs200949	ENSG00000197238.4	A/G	G	-4.4401946	HIST1H4J	0.000735 N
9.37E-06	22	41221893	rs5758265	ENSG00000100162.15	G/A	A	4.4313948	CENPM	0.000735 N
1.08E-05	22	41221893	rs5758265	ENSG00000100372.15	G/A	A	-4.3996107	SLC25A17	0.000735 N
1.13E-05	7	24709810	rs2721811	ENSG00000105926.15	A/G	G	-4.3914798	MPP6	0.00073 Y
1.17E-05	16	21628389	rs12923444	ENSG00000185864.16	A/C	C	-4.3821448	NP1PB4	0.000725 N
1.33E-05	3	44695001	rs4346585	ENSG00000185219.17	T/C	C	-4.355164	ZNF445	0.000719 N
1.38E-05	2	20061924	rs7565124	ENSG00000118965.14	A/G	A	-4.347287	WDR35	0.000714 N

1.51E-05	6	30543393	rs2524222	ENSG00000204657.4	C/T	T	-4.3274936	OR2H2	0.000709	N
1.63E-05	14	103551616	rs10149470	ENSG00000156414.19	A/G	A	4.310385	TDRD9	0.000704	N
1.73E-05	10	4763511	rs10508290	ENSG00000187134.14	G/A	A	-4.2972476	AKR1C1	0.000699	N
1.74E-05	12	4307138	rs4625554	ENSG00000111241.2	A/G	G	-4.2954118	FGF6	0.000694	N
1.81E-05	4	42108336	rs34937911	ENSG00000109133.13	T/C	C	-4.2874613	TMEM33	0.00069	N
1.84E-05	11	61704206	rs198457	ENSG00000167994.13	C/T	T	-4.2828869	RAB3IL1	0.000685	N
1.86E-05	3	44695001	rs4346585	ENSG00000178917.16	T/C	C	-4.2807793	ZNF852	0.00068	N
2.09E-05	2	67715348	rs724568	ENSG00000143971.9	C/A	C	-4.2548554	ETAA1	0.000676	N
2.13E-05	4	42108336	rs34937911	ENSG00000188848.16	T/C	C	4.2513683	BEND4	0.000671	Y
2.13E-05	14	64230319	rs1152578	ENSG00000100714.17	C/T	T	4.2513367	MTHFD1	0.000671	N
2.54E-05	11	57883324	rs2509805	ENSG00000156599.11	C/T	T	-4.2107764	ZDHHHC5	0.000667	Y
2.69E-05	14	64219489	rs915057	ENSG00000054654.16	G/A	A	-4.1982167	SYNE2	0.000662	Y
2.7E-05	16	72180377	rs11643192	ENSG00000261701.7	C/A	A	-4.1968953	HPR	0.000658	Y
2.77E-05	4	42045761	rs34215985	ENSG00000188848.16	G/C	C	4.1915611	BEND4	0.000658	Y
2.89E-05	5	140832953	rs3806843	ENSG00000112855.17	T/C	T	4.181773	HARS2	0.000654	N
3.25E-05	14	64230319	rs1152578	ENSG00000054654.16	C/T	T	-4.1548011	SYNE2	0.000654	Y
3.42E-05	2	96315631	rs4435501	ENSG00000168754.15	A/C	C	4.1438208	FAM178B	0.000649	N
3.83E-05	1	8670720	rs6695867	ENSG00000142599.19	G/A	G	-4.1174567	RERE	0.000649	Y
4.43E-05	22	50240142	rs5771109	ENSG00000185386.15	C/T	C	-4.0839595	MAPK11	0.00129	N
4.46E-05	19	32598525	rs17692896	ENSG00000105186.16	G/A	A	4.0822674	ANKRD27	0.001282	Y
4.54E-05	5	140832953	rs3806843	ENSG00000177839.7	T/C	T	4.0782618	PCDHB9	0.001274	N
4.68E-05	6	27408222	rs2064219	ENSG00000197279.4	A/G	G	4.0710723	ZNF165	0.001266	N
4.9E-05	5	140832953	rs3806843	ENSG00000248383.4	T/C	T	4.0605292	PCDHAC1	0.001258	N
5.21E-05	3	193598916	rs9838374	ENSG00000198836.10	C/T	T	-4.0456006	OPA1	0.00125	Y
5.35E-05	19	32598525	rs17692896	ENSG00000131941.8	G/A	A	4.040011	RHPN2	0.001242	N
5.4E-05	2	86592005	rs7585722	ENSG00000132305.20	T/C	C	-4.0377878	IMMT	0.001235	N
5.66E-05	11	57680560	rs10896636	ENSG00000156599.11	C/G	G	-4.0265873	ZDHHHC5	0.001852	Y
6.03E-05	16	72180377	rs11643192	ENSG00000118557.16	C/A	A	-4.0115045	PMFBP1	0.00184	Y
6.38E-05	14	74663532	rs1045430	ENSG00000198208.11	T/G	T	3.9985951	RPS6KL1	0.001829	Y
6.49E-05	11	104955877	rs666723	ENSG00000196954.14	A/G	A	3.9942635	CASP4	0.001818	Y
6.62E-05	22	41022293	rs9611460	ENSG00000100403.12	T/C	C	3.9894936	ZC3H7B	0.001818	N
6.71E-05	7	45942861	rs2462686	ENSG00000146674.15	T/C	C	3.9865303	IGFBP3	0.001807	Y
6.74E-05	20	49426433	rs6019826	ENSG00000124198.9	C/T	T	-3.9851637	ARFGEF2	0.001796	Y
6.78E-05	22	41225710	rs2179744	ENSG00000100197.22	G/A	A	-3.9836368	CYP2D6	0.001786	Y
6.87E-05	10	4574670	rs10904290	ENSG00000151632.17	A/G	G	3.9808947	AKR1C2	0.001786	N
6.87E-05	7	12225245	rs10950398	ENSG00000122644.13	G/A	A	3.9807632	ARL4A	0.001775	N
7.56E-05	11	73861450	rs113485090	ENSG00000175567.10	A/G	G	3.9579542	UCP2	0.002353	N
7.95E-05	6	100939428	rs7758630	ENSG00000112249.14	T/A	A	3.946152	ASCC3	0.002339	N

8.05E-05	6	27408222	rs2064219	ENSG00000111801.16	A/G	G	3.942864	BTN3A3	0.002339	N
8.23E-05	11	57883324	rs2509805	ENSG00000134809.9	C/T	T	-3.937588	TIMM10	0.002339	N
8.39E-05	14	74663532	rs1045430	ENSG00000119718.11	T/G	T	-3.9329242	EIF2B2	0.002326	N
8.57E-05	22	41022293	rs9611460	ENSG00000183066.14	T/C	C	3.9281055	WBP2NL	0.002312	N
8.63E-05	11	57680560	rs10896636	ENSG00000149150.9	C/G	G	-3.9261033	SLC43A1	0.002299	N
8.8E-05	1	48161782	rs41287894	ENSG00000117834.12	C/T	T	3.9215855	SLC5A9	0.002286	N
9.21E-05	1	227480089	rs12410462	ENSG00000143776.18	G/A	A	3.9104262	CDC42BPA	0.002841	N
9.3E-05	6	28329086	rs853679	ENSG00000273542.1	C/A	A	-3.9081929	HIST1H4K	0.002841	N
9.33E-05	5	140832953	rs3806843	ENSG00000120327.6	T/C	T	3.9075857	PCDHB14	0.002825	N
9.45E-05	10	4570498	rs313500	ENSG00000151632.17	C/T	T	3.9045175	AKR1C2	0.002825	N
9.68E-05	7	12219129	rs3823612	ENSG00000122644.13	G/C	C	3.8987557	ARL4A	0.002825	N
9.99E-05	6	28329086	rs853679	ENSG00000197238.4	C/A	A	-3.8906539	HIST1H4J	0.002825	N
0.0001	20	48918761	rs4810896	ENSG00000124228.14	C/A	A	-3.8903509	DDX27	0.002825	N
0.000106	11	57883324	rs2509805	ENSG00000198561.13	C/T	T	-3.8756212	CTNND1	0.002809	N
0.000113	3	49176633	rs13084037	ENSG00000114302.16	A/G	G	3.8616718	PRKAR2A	0.002793	N
0.000115	6	26376604	rs13218591	ENSG00000274750.2	T/C	C	-3.8563489	HIST1H3E	0.002778	N
0.000123	4	71950372	rs116569570	ENSG00000056291.17	A/G	G	-3.8401279	NPFFR2	0.003315	Y
0.000124	10	4738206	rs12251644	ENSG00000187134.14	C/A	A	-3.8380669	AKR1C1	0.003315	N
0.00013	11	57680560	rs10896636	ENSG00000198561.13	C/G	G	-3.8261945	CTNND1	0.003315	N
0.000132	11	65547359	rs58621819	ENSG00000173338.12	A/T	T	-3.821945	KCNK7	0.003846	N
0.000141	5	88189247	rs1133152	ENSG00000164180.13	A/G	A	-3.8064432	TMEM161B	0.004918	Y
0.000142	5	140832953	rs3806843	ENSG00000251664.5	T/C	T	3.8042408	PCDHA12	0.004891	N
0.000145	9	93539518	rs12376738	ENSG00000188938.17	T/G	G	3.7996178	FAM120AOS	0.005405	N
0.000147	15	68304789	rs7174755	ENSG00000137809.17	T/C	C	3.7971729	ITGA11	0.005914	Y
0.000151	7	24709810	rs2721811	ENSG00000153790.12	A/G	G	3.7895484	C7orf31	0.005882	N
0.000153	6	26121050	rs144735131	ENSG00000158373.8	C/A	A	3.7861284	HIST1H2BD	0.005851	N
0.000158	20	49424674	rs3787317	ENSG00000124198.9	C/T	T	-3.7778006	ARFGEF2	0.005851	Y
0.000168	10	4754837	rs7896112	ENSG00000165568.18	C/T	T	3.7623741	AKR1E2	0.006878	Y
0.000173	14	74663532	rs1045430	ENSG00000119608.12	T/G	T	3.7554517	PROX2	0.006842	Y
0.000187	3	49176633	rs13084037	ENSG00000185909.15	A/G	G	3.7361176	KLHDC8B	0.00733	Y
0.000188	5	140832953	rs3806843	ENSG00000113209.9	T/C	T	-3.7351483	PCDHB5	0.007292	N
0.000202	18	55497462	rs4801157	ENSG00000166510.14	C/T	T	3.7165478	CCDC68	0.007292	Y
0.000209	1	109577110	rs6537837	ENSG00000162650.16	C/T	T	3.7077996	ATXN7L2	0.007292	Y
0.000211	7	12225245	rs10950398	ENSG00000005108.16	G/A	A	3.7055066	THSD7A	0.007292	Y
0.000212	22	41022293	rs9611460	ENSG00000100162.15	T/C	C	3.7038323	CENPM	0.007292	N
0.000238	19	30452548	rs33435	ENSG00000105173.14	A/G	G	-3.6749217	CCNE1	0.00829	N
0.000256	6	26466954	rs3799380	ENSG00000278705.1	T/C	C	3.6562795	HIST1H4B	0.008247	N
0.000274	4	42045761	rs34215985	ENSG00000109133.13	G/C	C	-3.6382998	TMEM33	0.008247	N

0.000279	3	158139321	rs6441175	ENSG00000118849.10	A/G	A	3.6342496	RARRES1	0.008247	N
0.000279	11	57883324	rs2509805	ENSG00000149150.9	C/T	T	-3.6337037	SLC43A1	0.008247	N
0.000282	6	30543393	rs2524222	ENSG00000204539.4	C/T	T	3.6315884	CDSN	0.008205	N
0.000286	12	120886924	rs3897746	ENSG00000167272.11	A/G	G	3.6280767	POP5	0.008163	N
0.000306	9	93539518	rs12376738	ENSG00000157303.11	T/G	G	-3.6105538	SUSD3	0.008629	N
0.000314	11	73861450	rs113485090	ENSG00000175536.7	A/G	G	3.6038335	LIPT2	0.009091	N
0.000316	4	3205415	rs7685686	ENSG00000125388.20	A/G	G	-3.602085	GRK4	0.009045	N
0.000335	5	140832953	rs3806843	ENSG00000272674.3	T/C	T	3.586549	PCDHB16	0.01	N
0.000338	9	93539518	rs12376738	ENSG00000165233.18	T/G	G	3.5842761	CARD19	0.00995	N
0.000367	6	30543393	rs2524222	ENSG00000241370.5	C/T	T	-3.5626433	RPP21	0.009901	Y
0.000379	3	159926508	rs6799788	ENSG00000113810.16	A/G	G	3.554429	SMC4	0.010345	N
0.000395	7	12214254	rs2043539	ENSG00000122644.13	G/A	A	3.5437599	ARL4A	0.01133	N
0.000399	3	158310697	rs1210358	ENSG00000118849.10	G/A	G	3.5408924	RARRES1	0.01133	N
0.000402	5	112679858	rs11743328	ENSG00000153037.15	T/C	C	-3.5385195	SRP19	0.011275	N
0.000403	7	12225245	rs10950398	ENSG00000226690.8	G/A	A	3.538261	AC013470.2	0.011707	N
0.000406	16	87428363	rs9646303	ENSG00000260456.6	G/A	G	3.5364005	C16orf95	0.01165	N
0.000408	6	30543393	rs2524222	ENSG00000204540.11	C/T	T	3.5353989	PSORS1C1	0.011594	Y
0.000414	9	33420010	rs10758202	ENSG00000230453.9	A/G	G	3.53095	ANKRD18B	0.011538	N
0.000424	20	41163423	rs2228246	ENSG00000174306.21	A/G	G	3.5249867	ZHX3	0.011483	Y
0.000433	10	4607844	rs11252622	ENSG00000151632.17	C/T	T	-3.5193656	AKR1C2	0.011483	N
0.000435	5	140832953	rs3806843	ENSG00000113141.18	T/C	T	3.5178735	IK	0.011429	Y
0.000454	12	120767275	rs3213572	ENSG00000167272.11	G/A	A	3.5066773	POP5	0.011429	N
0.000477	5	140832953	rs3806843	ENSG00000120324.9	T/C	T	3.4933975	PCDHB10	0.011374	N
0.000504	20	41368764	rs143186028	ENSG00000132793.11	G/T	T	-3.4787623	LPIN3	0.011848	N
0.000522	2	96315631	rs4435501	ENSG00000144199.11	A/C	C	3.469149	FAHD2B	0.014085	N
0.000522	3	193598916	rs9838374	ENSG00000187527.11	C/T	T	-3.4689161	ATP13A5	0.014085	N
0.000524	10	4586424	rs1498274	ENSG00000151632.17	T/C	C	3.4685531	AKR1C2	0.014085	N
0.000562	3	193598916	rs9838374	ENSG00000127249.15	C/T	T	-3.4492478	ATP13A4	0.015421	N
0.000571	3	158562296	rs1656369	ENSG00000118849.10	A/T	A	3.4450321	RARRES1	0.015888	N
0.000583	5	140832953	rs3806843	ENSG00000113212.7	T/C	T	3.4394645	PCDHB7	0.016279	N
0.000583	10	4771019	rs1901632	ENSG00000165568.18	C/A	A	3.4392974	AKR1E2	0.016279	Y
0.000616	9	37005564	rs6476606	ENSG00000147912.13	G/A	A	-3.4243738	FBXO10	0.01713	N
0.000618	15	48968404	rs4474633	ENSG00000140285.10	G/A	A	-3.4235943	FGF7	0.01713	N
0.00064	20	49133840	rs6066975	ENSG00000158480.11	C/A	A	-3.4139781	SPATA2	0.017512	N
0.000667	2	86592005	rs7585722	ENSG00000132313.15	T/C	C	-3.4026929	MRPL35	0.01789	N
0.000669	14	103551616	rs10149470	ENSG00000126215.14	A/G	A	-3.4019212	XRCC3	0.017808	N
0.000669	11	113500036	rs61902811	ENSG00000228607.2	G/A	A	3.4018003	CLDN25	0.017727	N
0.000684	3	44695001	rs4346585	ENSG00000196345.13	T/C	C	-3.3957806	ZKSCAN7	0.0181	Y

0.000688	3	11549277	rs6442260	ENSG00000144560.15	G/A	A	3.3945538	VGLL4	0.018018	N
0.000697	9	33420010	rs10758202	ENSG00000164978.18	A/G	G	3.3909607	NUDT2	0.018304	N
0.000697	3	63339904	rs73108923	ENSG00000163630.11	G/A	A	3.3908927	SYNPR	0.018304	Y
0.000703	10	4738206	rs12251644	ENSG00000173848.19	C/A	A	3.3885779	NET1	0.018667	N
0.000704	12	17509301	rs1706631	ENSG00000048540.15	A/T	T	-3.3881321	LMO3	0.018584	N
0.000721	18	43292308	rs12457996	ENSG00000132872.12	T/C	C	-3.3813868	SYT4	0.018943	Y
0.000729	5	140832953	rs3806843	ENSG00000253910.2	T/C	T	3.3787639	PCDHGB2	0.01886	N
0.000733	10	104804166	rs61867293	ENSG00000156395.13	T/C	T	3.3770875	SORCS3	0.018777	Y
0.000748	22	41082478	rs9623320	ENSG00000183066.14	G/A	A	3.3712755	WBP2NL	0.018777	N
0.000757	22	41091214	rs5995992	ENSG00000159958.6	T/C	C	3.3683788	TNFRSF13C	0.018696	N
0.000785	1	8407293	rs301795	ENSG00000162426.14	G/A	A	-3.3580094	SLC45A1	0.019913	Y
0.000794	10	4583381	rs1008042	ENSG00000151632.17	C/A	A	-3.3548754	AKR1C2	0.020346	N
0.000796	9	33420010	rs10758202	ENSG00000165272.16	A/G	G	-3.3540083	AQP3	0.020259	Y
0.000816	6	28329086	rs853679	ENSG00000187626.9	C/A	A	3.3475178	ZKSCAN4	0.020601	N
0.000817	4	42108336	rs34937911	ENSG00000182308.7	T/C	C	3.3471344	DCAF4L1	0.020513	Y
0.00082	5	140832953	rs3806843	ENSG00000249158.6	T/C	T	3.3461395	PCDHA11	0.020426	N
0.000832	1	197642552	rs16841842	ENSG00000143355.16	C/A	A	-3.3416959	LHX9	0.020339	N
0.000837	22	41082478	rs9623320	ENSG00000159958.6	G/A	A	3.3405421	TNFRSF13C	0.020763	N
0.000846	3	158389391	rs7430565	ENSG00000079257.8	G/A	G	-3.3373014	LXN	0.020675	Y
0.0009	22	41225710	rs2179744	ENSG00000183066.14	G/A	A	3.3200386	WBP2NL	0.023207	N
0.000905	5	62213828	rs60157091	ENSG00000086200.16	C/T	T	3.3184466	IPO11	0.023109	N
0.000932	15	48929394	rs10519201	ENSG00000166262.16	G/T	T	3.3102068	FAM227B	0.023431	N
0.000934	5	88249501	rs3099439	ENSG00000164180.13	C/T	C	-3.3097832	TMEM161B	0.023431	Y
0.000952	14	59675104	rs1956373	ENSG00000151838.12	G/T	G	3.3045687	CCDC175	0.02375	N
0.00096	1	109577110	rs6537837	ENSG00000134184.13	C/T	T	3.3020817	GSTM1	0.023651	N
0.000993	22	41225710	rs2179744	ENSG00000159958.6	G/A	A	3.2925953	TNFRSF13C	0.024896	N
0.001025	10	4585599	rs1498271	ENSG00000151632.17	G/A	A	-3.2835598	AKR1C2	0.025311	N
0.001037	1	197642552	rs16841842	ENSG00000134365.13	C/A	A	-3.2800298	CFHR4	0.025207	N
0.00104	6	147629286	rs725616	ENSG00000203727.4	C/T	T	-3.2795091	SAMD5	0.025103	Y
0.001054	11	35849716	rs11033303	ENSG00000179241.13	G/A	A	3.2759253	LDLRAD3	0.02541	N
0.001085	18	55235854	rs1261070	ENSG00000166510.14	G/A	A	-3.2673452	CCDC68	0.026639	Y
0.001109	22	41091214	rs5995992	ENSG00000183066.14	T/C	C	3.2612381	WBP2NL	0.027459	N
0.001136	10	4763511	rs10508290	ENSG00000151632.17	G/A	A	3.2546098	AKR1C2	0.027869	N
0.001147	5	79533426	rs7713917	ENSG00000152413.15	A/G	G	3.2518795	HOMER1	0.028163	Y
0.001316	22	41091214	rs5995992	ENSG00000100401.19	T/C	C	-3.2123731	RANGAP1	0.030081	N
0.001335	12	120926032	rs77741769	ENSG00000170855.4	C/T	T	-3.2083386	TRIAP1	0.031579	N
0.001352	9	123871976	rs2670139	ENSG00000119522.16	T/C	C	3.2048836	DENND1A	0.031855	Y
0.001392	7	24709810	rs2721811	ENSG00000070882.13	A/G	G	3.1964171	OSBPL3	0.032932	N

0.001409	5	26972576	rs1946473	ENSG00000113100.10	A/G	G	-3.1927424	CDH9	0.0328	Y
0.001417	20	46052214	rs12624433	ENSG00000149651.4	G/A	A	3.1913735	SPINT4	0.032669	N
0.001509	3	49176633	rs13084037	ENSG00000004534.15	A/G	G	-3.1728501	RBM6	0.034921	N
0.001513	3	158562296	rs1656369	ENSG00000168827.14	A/T	A	3.1722278	GFM1	0.034783	N
0.001559	3	158260173	rs1095626	ENSG00000079257.8	T/C	C	-3.1633353	LXN	0.035573	Y
0.001595	1	175944692	rs10913112	ENSG00000116183.11	C/T	T	-3.1567453	PAPPA2	0.036614	N
0.0016	20	49133840	rs6066975	ENSG00000124201.15	C/A	A	3.1560874	ZNFX1	0.036471	N
0.001616	12	120926032	rs77741769	ENSG00000110871.15	C/T	T	-3.1528582	COQ5	0.036328	N
0.001622	9	17016505	rs263645	ENSG00000173068.18	A/T	T	-3.1518349	BNC2	0.036965	N
0.001656	3	44695001	rs4346585	ENSG00000163807.6	T/C	C	3.1459108	KIAA1143	0.036822	N
0.001709	12	120886924	rs3897746	ENSG00000175970.11	A/G	G	3.1366396	UNC119B	0.03861	N
0.001712	11	118444134	rs2017122	ENSG00000173456.5	C/T	T	3.1363057	RNF26	0.038462	N
0.001761	10	4746246	rs10904332	ENSG00000067082.15	G/T	G	3.1279487	KLF6	0.039464	N
0.001798	20	41329322	rs6065333	ENSG00000174306.21	T/C	C	3.1219542	ZHX3	0.039847	Y
0.001801	4	42108336	rs34937911	ENSG00000014824.14	T/C	C	3.1212921	SLC30A9	0.039847	Y
0.001827	1	8670720	rs6695867	ENSG00000162426.14	G/A	G	3.1171181	SLC45A1	0.04023	Y
0.001875	3	158260173	rs1095626	ENSG00000168827.14	T/C	C	3.1094828	GFM1	0.040613	N
0.001876	22	41221893	rs5758265	ENSG00000100395.15	G/A	A	3.1092851	L3MBTL2	0.040613	Y
0.001946	1	109488566	rs12049330	ENSG00000168765.17	T/G	G	-3.0982907	GSTM4	0.041762	Y
0.001948	20	49424674	rs3787317	ENSG00000124207.17	C/T	T	-3.0979837	CSE1L	0.041762	Y
0.002016	12	120926032	rs77741769	ENSG00000175970.11	C/T	T	3.0879477	UNC119B	0.042912	N
0.002056	22	41221893	rs5758265	ENSG00000100401.19	G/A	A	-3.0818379	RANGAP1	0.043295	N
0.002067	1	109488566	rs12049330	ENSG00000174151.14	T/G	G	3.0804833	CYB561D1	0.04313	Y
0.002095	15	77788395	rs11629621	ENSG00000169783.12	G/C	C	-3.0763913	LINGO1	0.044106	Y
0.002105	2	159805547	rs2042772	ENSG00000115183.15	T/C	T	-3.0748755	TANC1	0.043939	N
0.002114	11	118444134	rs2017122	ENSG00000248712.7	C/T	T	3.0739635	CCDC153	0.043774	N
0.002185	17	81071973	rs55748329	ENSG00000175866.15	A/G	G	3.063881	BAIAP2	0.043609	Y
0.0022	15	48959170	rs11070670	ENSG00000104047.15	A/G	A	3.0618861	DTWD1	0.04382	N
0.002233	15	48950608	rs12915940	ENSG00000166262.16	G/A	A	3.0575216	FAM227B	0.044195	N
0.002251	22	41225710	rs2179744	ENSG00000100401.19	G/A	A	-3.0549396	RANGAP1	0.045318	N
0.002269	12	120767275	rs3213572	ENSG00000175970.11	G/A	A	3.0527955	UNC119B	0.045149	N
0.002269	14	74663532	rs1045430	ENSG00000119684.15	T/G	T	-3.0524417	MLH3	0.045149	N
0.002296	11	118444134	rs2017122	ENSG00000255274.9	C/T	T	-3.048865	SMIM35	0.045353	N
0.002393	18	55084408	rs12966052	ENSG00000101751.10	G/C	C	3.036628	POLI	0.046468	N
0.002431	22	41082478	rs9623320	ENSG00000100399.16	G/A	A	3.0318217	CHADL	0.047037	Y
0.002434	9	36999372	rs7030813	ENSG00000147912.13	C/T	T	-3.0312481	FBXO10	0.047407	N
0.002447	4	24739335	rs12500612	ENSG00000168228.15	G/T	T	3.0298234	ZCCHC4	0.047601	N
0.002486	6	28329086	rs853679	ENSG00000137185.12	C/A	A	3.0251737	ZSCAN9	0.04797	N

0.002496	6	27867657	rs200949	ENSG00000187626.9	A/G	G	3.0238858	ZKSCAN4	0.04797	N
0.002548	12	120926032	rs77741769	ENSG00000088986.11	C/T	T	-3.0175076	DYNLL1	0.048162	Y
0.00255	16	72180377	rs11643192	ENSG00000157429.16	C/A	A	3.0175121	ZNF19	0.047985	N
0.002565	10	4677604	rs1391511	ENSG00000196372.13	A/G	A	-3.0154752	ASB13	0.04781	N
0.002585	12	117937681	rs7973260	ENSG00000089220.5	G/A	A	-3.0131696	PEBP1	0.048	N
0.002616	20	49424674	rs3787317	ENSG00000124214.19	C/T	T	3.0096883	STAU1	0.049091	Y
0.002645	2	57814801	rs2717046	ENSG00000028116.17	C/T	T	-3.0061924	VRK2	0.048913	Y
0.002661	22	41082478	rs9623320	ENSG00000100401.19	G/A	A	-3.0043246	RANGAP1	0.049638	N
0.002665	18	55084408	rs12966052	ENSG00000178690.3	G/C	C	-3.0039293	DYNAP	0.049819	N
0.002668	6	27867657	rs200949	ENSG00000158553.4	A/G	G	-3.0034595	POM121L2	0.049819	N
0.002712	15	68304789	rs7174755	ENSG00000169018.6	T/C	C	-2.9984451	FEM1B	0.05	Y
0.002718	1	197735587	rs17641524	ENSG00000134365.13	C/T	T	-2.9979642	CFHR4	0.05	N