

Table S1 The complete list of all significant cis-eQTL SNP-gene interactions for the Alzheimer's loci

PValue	Chromosome	BasePosition	SNPName	ProbeName	SNPType	AlleleAssessed	OverallZScore	HGNCName	FDR	FoundInProx
6.1425E-139	1	207611623	rs3818361	ENSG00000203710.11	G/A	A	25.0917515	CR1		0 Y
2.3481E-137	1	207518704	rs6656401	ENSG00000203710.11	G/A	A	24.9462086	CR1		0 Y
2.79424E-25	19	44110055	rs2061333	ENSG00000186026.7	T/C	C	-10.3884106	ZNF284		0 N
8.13256E-23	1	207611623	rs3818361	ENSG00000117322.17	G/A	A	9.8329847	CR2		0 Y
1.02848E-21	3	10093893	rs1552244	ENSG00000163702.20	A/G	G	-9.5738314	IL17RC		0 N
6.38789E-21	21	25583969	rs2298369	ENSG00000154719.13	C/G	C	-9.383293	MRPL39		0 Y
1.06012E-19	1	207518704	rs6656401	ENSG00000117322.17	G/A	A	9.082746	CR2		0 Y
4.67723E-16	11	924904	rs10794342	ENSG00000184956.16	C/T	C	8.1197985	MUC6		0 N
2.52068E-15	19	44750911	rs8103315	ENSG00000186567.13	C/A	A	7.912609	CEACAM19		0 Y
6.66917E-15	5	140327854	rs11168036	ENSG00000213523.10	T/G	T	-7.7904846	SRA1		0 N
3.07792E-14	6	32053353	rs11969759	ENSG00000137310.12	C/T	T	7.5950143	TCF19		0 N
1.06645E-13	6	32053353	rs11969759	ENSG00000231852.9	C/T	T	7.4324969	CYP21A2		0 N
2.0683E-12	21	25583969	rs2298369	ENSG00000154721.15	C/G	C	7.0298125	JAM2		0 N
2.10714E-11	19	44110055	rs2061333	ENSG00000159882.13	T/C	C	-6.6983715	ZNF230		0 N
5.01129E-11	5	140327854	rs11168036	ENSG00000204962.6	T/G	T	6.5706226	PCDHA8		0 N
5.89406E-11	7	101103377	rs10953322	ENSG00000169894.18	G/A	A	-6.546273	MUC3A		0 N
1.16672E-10	2	107062032	rs1357692	ENSG00000144057.15	T/G	G	-6.443455	ST6GAL2		0 N
2.23294E-10	6	32053353	rs11969759	ENSG00000204520.13	C/T	T	-6.3443863	MICA		0 Y
2.35501E-10	7	101103377	rs10953322	ENSG00000205277.9	G/A	A	-6.3361664	MUC12		0 N
2.63593E-09	19	1046521	rs3764650	ENSG00000180448.10	T/G	G	5.9528234	ARHGAP45		0 N
4.08288E-09	7	102911421	rs77104831	ENSG00000284981.1	G/T	T	5.880825	UPK3BL2		0 N
5.99131E-09	13	26150190	rs17511627	ENSG00000180730.4	A/C	C	5.8171012	SHISA2		0 N
6.13631E-09	6	32053353	rs11969759	ENSG00000204396.11	C/T	T	-5.8128421	VWA7		0 N
8.60285E-09	17	58331728	rs2632516	ENSG00000121101.15	C/G	C	5.7562625	TEX14		0 N
3.63759E-08	19	44110055	rs2061333	ENSG00000176222.9	T/C	C	-5.5074949	ZNF404		0 N
5.24495E-08	6	32053353	rs11969759	ENSG00000224389.9	C/T	T	-5.4426475	C4B		0 N
5.79545E-08	3	10093893	rs1552244	ENSG00000163703.17	A/G	G	5.4251991	CRELD1		0 N
6.42324E-08	5	140327854	rs11168036	ENSG00000120306.11	T/G	T	-5.4064123	CYSTM1		0 N
1.1429E-07	19	44898409	rs8106922	ENSG00000130208.9	A/G	G	-5.3023997	APOC1		0 Y
1.78537E-07	3	10093893	rs1552244	ENSG00000125037.12	A/G	G	5.2204624	EMC3		0 N
1.89657E-07	19	44907187	rs769450	ENSG00000130208.9	G/A	A	-5.209085	APOC1		0 Y
5.3421E-07	5	140327854	rs11168036	ENSG00000250120.8	T/G	T	5.0137751	PCDHA10		0 N
9.45764E-07	6	32053353	rs11969759	ENSG00000228727.9	C/T	T	-4.9025355	SAPCD1		0 N
1.92827E-06	11	924904	rs10794342	ENSG00000177042.14	C/T	C	-4.7607534	TMEM80		0 N
2.0042E-06	19	1046521	rs3764650	ENSG00000116032.5	T/G	G	-4.7529801	GRIN3B		0 Y
2.40763E-06	19	44904531	rs7259620	ENSG00000130208.9	G/A	A	-4.7156446	APOC1		0 Y

2.41711E-06	11	60171834	rs610932	ENSG00000110079.18	T/G	T	-4.714985	MS4A4A	0	Y
2.78053E-06	5	140327854	rs11168036	ENSG00000204963.6	T/G	T	4.6865231	PCDHA7	0	N
3.49084E-06	19	44900155	rs1160985	ENSG00000130208.9	C/T	T	-4.6394493	APOC1	0	Y
1.78834E-05	19	1046521	rs3764650	ENSG00000099817.12	T/G	G	4.2898761	POLR2E	0.002857143	N
2.02787E-05	3	10093893	rs1552244	ENSG00000134086.7	A/G	G	-4.2617179	VHL	0.002777778	N
2.16652E-05	11	60255614	rs1562990	ENSG00000110079.18	C/A	C	-4.2469618	MS4A4A	0.002777778	Y
2.48233E-05	11	60255614	rs1562990	ENSG00000214787.10	C/A	C	-4.2163322	MS4A4E	0.002702703	Y
0.000031492	5	140327854	rs11168036	ENSG00000113068.10	T/G	T	-4.1622565	PFDN1	0.002631579	Y
3.66569E-05	19	44908684	rs429358	ENSG00000186567.13	T/C	C	4.1277815	CEACAM19	0.002631579	Y
4.91148E-05	6	32053353	rs11969759	ENSG00000204296.11	C/T	T	4.05992	TSBP1	0.002564103	N
4.92833E-05	19	44110055	rs2061333	ENSG00000204920.11	T/C	C	4.0590209	ZNF155	0.0025	N
0.000051393	1	231708601	rs12044355	ENSG00000116906.13	A/C	C	-4.0490406	GNPAT	0.002439024	N
5.32692E-05	19	1046521	rs3764650	ENSG00000064666.15	T/G	G	-4.0406793	CNN2	0.002380952	Y
5.50693E-05	19	1046521	rs3764650	ENSG00000105549.11	T/G	G	4.0331199	THEG	0.002325581	N
5.80994E-05	2	17246318	rs11889338	ENSG00000178295.15	G/A	A	4.0205621	GEN1	0.002272727	N
7.35808E-05	19	44906745	rs769449	ENSG00000186567.13	G/A	A	3.9645758	CEACAM19	0.006818182	Y
7.47617E-05	7	102911421	rs77104831	ENSG00000105808.17	G/T	T	3.9606679	RASA4	0.006666667	N
7.78253E-05	19	44913221	rs584007	ENSG00000130208.9	A/G	A	3.9511686	APOC1	0.006666667	Y
8.23006E-05	8	10477271	rs11782819	ENSG00000154319.16	T/C	T	-3.937538	FAM167A	0.006521739	N
9.01049E-05	11	86157598	rs3851179	ENSG00000074266.21	T/C	T	3.9158657	EED	0.006382979	N
9.90938E-05	11	86076782	rs536841	ENSG00000074266.21	C/T	C	3.8928373	EED	0.006382979	N
0.0001047	17	58331728	rs2632516	ENSG00000108395.14	C/G	C	-3.8793279	TRIM37	0.00625	N
0.0001237	19	44911194	rs439401	ENSG00000130208.9	T/C	T	3.8386849	APOC1	0.00625	Y
0.0001462	8	27611345	rs9331888	ENSG00000168077.14	C/G	G	-3.7973851	SCARA3	0.008163265	Y
0.0001618	19	44905579	rs405509	ENSG00000130208.9	T/G	T	3.7723144	APOC1	0.008163265	Y
0.0001691	19	44901434	rs405697	ENSG00000130208.9	A/G	A	3.7612199	APOC1	0.008163265	Y
0.0001698	19	44848489	rs1871047	ENSG00000187244.11	A/G	G	3.7602421	BCAM	0.008	Y
0.0002384	19	44919589	rs56131196	ENSG00000186567.13	G/A	A	3.6745134	CEACAM19	0.008	Y
0.0002397	1	231708601	rs12044355	ENSG00000162946.22	A/C	C	-3.6729745	DISC1	0.007843137	Y
0.0002435	1	231708601	rs12044355	ENSG00000135766.9	A/C	C	-3.6688263	EGLN1	0.007692308	N
0.0002534	6	32053353	rs11969759	ENSG00000241106.8	C/T	T	-3.6587738	HLA-DOB	0.00754717	N
0.0002552	19	44848489	rs1871047	ENSG00000130202.10	A/G	G	-3.6568155	NECTIN2	0.007407407	Y
0.0002701	19	44844996	rs10426423	ENSG00000187244.11	C/T	T	3.6425877	BCAM	0.007407407	Y
0.0003134	19	44919689	rs4420638	ENSG00000186567.13	A/G	G	3.6041052	CEACAM19	0.007407407	Y
0.0003227	3	10093893	rs1552244	ENSG00000187288.10	A/G	G	3.5964717	CIDEC	0.007272727	N
0.0003497	8	27630273	rs569214	ENSG00000147419.18	G/T	T	3.5754626	CCDC25	0.007017544	N
0.0003497	5	140327854	rs11168036	ENSG00000239389.8	T/G	T	-3.5753302	PCDHA13	0.007017544	N
0.0003597	19	44844996	rs10426423	ENSG00000130202.10	C/T	T	-3.5679931	NECTIN2	0.007017544	Y

0.0003694	11	60171834	rs610932	ENSG00000214787.10	T/G	T	-3.5608117	MS4A4E	0.007017544	Y
0.0003786	17	58331728	rs2632516	ENSG00000136451.9	C/G	C	3.5546062	VEZF1	0.010344828	N
0.0004159	3	10093893	rs1552244	ENSG00000157017.16	A/G	G	3.5299608	GHRL	0.010169492	N
0.0004206	19	44110055	rs2061333	ENSG00000267680.5	T/C	C	-3.5267257	ZNF224	0.01	Y
0.0004444	19	44912921	rs483082	ENSG00000130208.9	G/T	T	3.5123538	APOC1	0.011666667	Y
0.0005037	19	44825957	rs10402271	ENSG00000130208.9	T/G	G	-3.4786283	APOC1	0.02	Y
0.0005511	2	127137039	rs744373	ENSG00000144230.16	A/G	G	3.4547721	GPR17	0.021311475	N
0.0006873	6	32053353	rs11969759	ENSG00000232629.9	C/T	T	-3.394557	HLA-DQB2	0.024193548	N
0.0007139	3	10093893	rs1552244	ENSG00000144554.10	A/G	G	3.3843789	FANCD2	0.023809524	Y
0.0007264	7	34054385	rs17169634	ENSG00000173852.14	A/G	G	3.3794081	DPY19L1	0.0234375	N
0.0007446	19	44919689	rs4420638	ENSG00000159905.14	A/G	G	-3.3725177	ZNF221	0.023076923	N
0.0007479	19	44892962	rs157582	ENSG00000186567.13	C/T	T	3.3715834	CEACAM19	0.023076923	Y
0.0007823	19	44887076	rs283815	ENSG00000186567.13	A/G	G	3.359198	CEACAM19	0.024615385	Y
0.0008163	19	44919589	rs56131196	ENSG00000159905.14	G/A	A	-3.3471984	ZNF221	0.026153846	N
0.0008402	19	44750911	rs8103315	ENSG00000073008.15	C/A	A	-3.3390854	PVR	0.025757576	Y
0.0009099	19	44919689	rs4420638	ENSG00000234906.10	A/G	G	-3.3169788	APOC2	0.034328358	Y
0.0009204	19	44823407	rs10405693	ENSG00000130208.9	C/T	T	-3.3137518	APOC1	0.035820896	Y
0.0009731	11	85966428	rs17817600	ENSG00000073921.18	A/G	G	3.2983615	PICALM	0.036764706	Y
0.0010816	19	44908684	rs429358	ENSG00000159905.14	T/C	C	-3.26834	ZNF221	0.041176471	N
0.0010931	19	44823407	rs10405693	ENSG00000130202.10	C/T	T	3.2654271	NECTIN2	0.042647059	Y
0.0011071	19	44913221	rs584007	ENSG00000234906.10	A/G	A	3.261843	APOC2	0.044117647	Y
0.0011102	19	44912921	rs483082	ENSG00000159905.14	G/T	T	-3.2608954	ZNF221	0.044117647	N
0.0011236	19	44906745	rs769449	ENSG00000159905.14	G/A	A	-3.2575247	ZNF221	0.044117647	N
0.0011435	5	140327854	rs11168036	ENSG00000113070.8	T/G	T	-3.2525205	HBEGF	0.044927536	Y
0.0011869	19	44888997	rs6857	ENSG00000186567.13	C/T	T	3.2420639	CEACAM19	0.044927536	Y
0.0011894	19	44919589	rs56131196	ENSG00000234906.10	G/A	A	-3.2412793	APOC2	0.044927536	Y