

Table S3 The complete list of all significant trans-eQTL SNP-gene interactions for the depression loci

PValue	Chromosome	BasePosition	SNPName	ProbeName	SNPType	AlleleAssessed	OverallZScore	HGNCName	FDR	FoundInProx
6.23997E-15	7	12219129	rs3823612	ENSG00000113389.16	G/C	C	7.7991773	NPR3		0 N
1.26015E-14	7	12214254	rs2043539	ENSG00000113389.16	G/A	A	7.7098298	NPR3		0 N
5.04871E-12	7	12225245	rs10950398	ENSG00000113389.16	G/A	A	6.9043607	NPR3		0 N
5.73064E-11	7	12225245	rs10950398	ENSG00000141646.13	G/A	A	6.5507623	SMAD4		0 N
1.27436E-10	7	12225245	rs10950398	ENSG00000133059.17	G/A	A	6.4302364	DSTYK		0 N
1.69172E-10	7	12225245	rs10950398	ENSG00000153234.14	G/A	A	-6.3868337	NR4A2		0 Y
3.55525E-10	7	12214254	rs2043539	ENSG00000171385.9	G/A	A	6.2725143	KCND3		0 N
5.6535E-10	7	12219129	rs3823612	ENSG00000171385.9	G/C	C	6.1999724	KCND3		0 N
9.21763E-10	7	12225245	rs10950398	ENSG00000120903.13	G/A	A	6.1224055	CHRNA2		0 N
3.32683E-09	7	12225245	rs10950398	ENSG00000171385.9	G/A	A	5.9146398	KCND3		0 N
4.46972E-09	7	12219129	rs3823612	ENSG00000133059.17	G/C	C	5.865928	DSTYK		0 N
6.67115E-09	7	12225245	rs10950398	ENSG00000066032.18	G/A	A	-5.7989912	CTNNA2		0 N
8.14644E-09	7	12225245	rs10950398	ENSG00000188419.14	G/A	A	5.7655429	CHM		0 Y
9.14874E-09	7	12219129	rs3823612	ENSG00000120903.13	G/C	C	5.7459719	CHRNA2		0 N
9.97226E-09	7	12214254	rs2043539	ENSG00000120903.13	G/A	A	5.731292	CHRNA2		0 N
1.51903E-08	7	12214254	rs2043539	ENSG00000087494.16	G/A	A	5.6595079	PTHLH		0 N
2.07295E-08	7	12219129	rs3823612	ENSG00000087494.16	G/C	C	5.6059087	PTHLH		0 N
2.6548E-08	7	12225245	rs10950398	ENSG00000213341.11	G/A	A	-5.5627743	CHUK		0 N
3.02817E-08	7	12214254	rs2043539	ENSG00000133059.17	G/A	A	5.5398336	DSTYK		0 N
7.95263E-08	7	12214254	rs2043539	ENSG00000150995.19	G/A	A	5.3682922	ITPR1		0 N
8.28542E-08	7	12225245	rs10950398	ENSG00000068024.16	G/A	A	5.3608569	HDAC4		0 Y
8.78571E-08	7	12225245	rs10950398	ENSG00000005007.12	G/A	A	5.3502673	UPF1		0 N
8.97208E-08	7	12225245	rs10950398	ENSG00000140090.17	G/A	A	5.3464673	SLC24A4		0 N
9.8321E-08	7	12219129	rs3823612	ENSG00000150995.19	G/C	C	5.32985	ITPR1		0 N
9.98482E-08	7	12225245	rs10950398	ENSG00000101076.16	G/A	A	5.3271124	HNF4A		0 N
1.04569E-07	7	12225245	rs10950398	ENSG00000067704.10	G/A	A	-5.3184811	IARS2		0 N
1.1404E-07	7	12219129	rs3823612	ENSG00000188419.14	G/C	C	5.3029436	CHM		0 Y
1.40037E-07	7	12225245	rs10950398	ENSG00000152669.9	G/A	A	5.2652763	CCNO		0 N
3.17418E-07	7	12225245	rs10950398	ENSG00000122126.17	G/A	A	5.1129642	OCRL	0.006896552	N
3.46905E-07	7	12214254	rs2043539	ENSG00000188419.14	G/A	A	5.0960997	CHM	0.006666667	Y
3.63389E-07	7	12219129	rs3823612	ENSG00000141646.13	G/C	C	5.0872467	SMAD4	0.006451613	N
4.01174E-07	7	12225245	rs10950398	ENSG00000136352.17	G/A	A	5.0684871	NKX2-1	0.00625	N
5.18331E-07	7	12225245	rs10950398	ENSG00000087494.16	G/A	A	5.0195947	PTHLH	0.015151515	N
5.34766E-07	7	12225245	rs10950398	ENSG00000189221.9	G/A	A	-5.0132368	MAOA	0.014705882	N
5.76882E-07	7	12225245	rs10950398	ENSG00000163527.10	G/A	A	-4.998736	STT3B	0.014285714	N
6.12606E-07	7	12225245	rs10950398	ENSG00000067836.12	G/A	A	4.9872226	ROGDI	0.013888889	N

6.59927E-07	7	12214254	rs2043539	ENSG00000147655.12	G/A	A	4.972985	RSPO2	0.016216216	N
8.72545E-07	10	4669572	rs313430	ENSG00000141556.21	T/C	C	-4.9182528	TBCD	0.015789474	Y
9.11693E-07	10	4738206	rs12251644	ENSG00000122966.16	C/A	A	4.9098965	CIT	0.015384615	N
9.248E-07	7	12225245	rs10950398	ENSG00000131089.16	G/A	A	4.9070274	ARHGEF9	0.0175	N
9.78071E-07	10	4647177	rs313451	ENSG00000141556.21	T/C	C	-4.895995	TBCD	0.017073171	Y
1.00631E-06	7	12219129	rs3823612	ENSG00000147655.12	G/C	C	4.8904819	RSPO2	0.016666667	N
1.0301E-06	7	12225245	rs10950398	ENSG00000161395.14	G/A	A	4.8859614	PGAP3	0.018604651	N
1.05656E-06	7	12225245	rs10950398	ENSG00000183785.15	G/A	A	4.8808744	TUBA8	0.018181818	N
1.23835E-06	7	12214254	rs2043539	ENSG00000005302.19	G/A	A	4.8494584	MSL3	0.028888889	N
1.30232E-06	1	211800608	rs7526682	ENSG00000198814.12	C/G	G	-4.839338	GK	0.02826087	Y
1.39442E-06	7	12214254	rs2043539	ENSG00000005893.15	G/A	A	-4.8256001	LAMP2	0.029787234	N
1.56932E-06	7	12219129	rs3823612	ENSG00000122126.17	G/C	C	4.8023348	OCRL	0.035416667	N
1.58666E-06	7	12214254	rs2043539	ENSG00000140015.20	G/A	A	4.8001154	KCNH5	0.034693878	Y
1.64142E-06	7	12214254	rs2043539	ENSG00000141646.13	G/A	A	4.7933457	SMAD4	0.034	N
1.76169E-06	7	12225245	rs10950398	ENSG00000157404.15	G/A	A	4.7791613	KIT	0.033333333	N
1.81142E-06	5	62213828	rs60157091	ENSG00000089225.19	C/T	T	4.7735041	TBX5	0.032692308	N
1.82224E-06	10	4647177	rs313451	ENSG00000127616.18	T/C	C	-4.7721591	SMARCA4	0.032075472	N
1.9494E-06	7	12219129	rs3823612	ENSG00000140015.20	G/C	C	4.7587743	KCNH5	0.037037037	Y
1.97271E-06	7	12219129	rs3823612	ENSG00000157404.15	G/C	C	4.7563231	KIT	0.036363636	N
2.01414E-06	7	12214254	rs2043539	ENSG00000122126.17	G/A	A	4.752152	OCRL	0.035714286	N
2.17763E-06	7	12219129	rs3823612	ENSG00000147465.12	G/C	C	4.7363997	STAR	0.038596491	N
2.44096E-06	7	12225245	rs10950398	ENSG00000106477.19	G/A	A	4.7131116	CEP41	0.044827586	N
2.4796E-06	7	12225245	rs10950398	ENSG00000067715.14	G/A	A	-4.7097056	SYT1	0.044067797	Y