

Supplementary Table 1. Details of Genotyping and Quality Control (QC) Procedures (i.e., Inclusions) Applied to the Individual Meta-analysis Cohorts

	Sample Size	SNPs	Genotyping Platform	HWE criteria	Individual Sample Call Rates	SNP Call Rates	MAF criteria	Sample Size after QC	SNPs after QC
CROATIA-Vis	991	317,503	Illumina Human Hap300v1	$P > 1e^{-10}$	$> .97$	$> .95$	$> .02$	924	308,996
CROATIA-Korcula	953	346,027	IlluminaHap370CNV	$P > 1e^{-10}$	$> .97$	$> .98$	$> .02$	898	316,730
ORCADES	761	318,237	Illumina Human Hap300v2	$P > 1e^{-10}$	$> .97$	$> .98$	$> .02$	719	318,235
LBC1921	526	599,011	Illumina610-Quadv1	$P \geq 0.001$	$\geq .95$	$\geq .98$	$\geq .01$	517	542,050
LBC1936	1042	599,011	Illumina610-Quadv1	$P \geq 0.001$	$\geq .95$	$\geq .98$	$\geq .01$	1005	542,050
Manchester	901	599,011	Illumina610-Quadv1	$P \geq 0.001$	$\geq .95$	$\geq .98$	$\geq .01$	805	543,225
Newcastle	877	599,011	Illumina610-Quadv1	$P \geq 0.001$	$\geq .95$	$\geq .98$	$\geq .01$	758	543,225
Nijmegen	1832	370,000	Illumina HumanCNV370	$P > 1e^{-10}$	$\geq .95$	$> .98$	$\geq .01$	1832	302,140

HWE: Hardy-Weinberg Equilibrium; MAF: Minor Allele Frequency

Supplementary Table 2. Phenotypic correlations among the age- and sex-residualised personality trait and mood state measures within each cohort.

	Extraversion	Neuroticism	Anxiety	Depression	Psychological Distress
<b>CROATIA-Vis</b>					
Extraversion	1				
Neuroticism	-0.23	1			
Psychological Distress	-0.28	0.51	-	-	1
<b>CROATIA-Korcula</b>					
Extraversion	1				
Neuroticism	-0.19	1			
Psychological Distress	-0.24	0.47	-	-	1
<b>ORCADES</b>					
Extraversion	1				
Neuroticism	-0.19	1			
<b>LBC1921</b>					
Extraversion	1				
Neuroticism	-0.30	1			
Anxiety	-0.11	0.49	1		
Depression	-0.24	0.26	0.38	1	
Psychological Distress	-0.20	0.49	-	-	1
<b>LBC1936</b>					
Extraversion	1				
Neuroticism	-0.20	1			
Anxiety	-0.17	0.60	1		
Depression	-0.22	0.37	0.42	1	
Psychological Distress	-0.22	0.60	-	-	1
<b>Manchester</b>					
Extraversion	1				
Neuroticism	-0.14	1			
Depression	-0.19	0.50	-	1	
<b>Newcastle</b>					
Extraversion	1				
Neuroticism	-0.13	1			
Depression	-0.12	0.50	-	1	
<b>Nijmegen</b>					
Extraversion	1				
Neuroticism	-0.15	1			
Anxiety	-0.11	0.56	1		
Depression	-0.19	0.58	0.60	1	

Supplementary Table 3. Top 100 SNP associations from the GWAS meta-analysis of personality and mood measures.

SNP	rank	P	chromosome	coordinate(annotated)	type	ancestral allele	closest gene	distance to gene (ensembl coordinates)	distance to exon boundary
rs9684265	1	4.46E-07	4	10589661	INTRONIC	A	OTTHUMG00000160062;CLNK	0	-9
rs6782143	2	1.19E-06	3	5768262	INTERGENIC	T	AC027119.1;OTTHUMG00000154907	-236267	-9
rs2470646	3	2.91E-06	3	5775765	INTERGENIC	T	AC027119.1;OTTHUMG00000154907	-228764	-9
rs7621135	4	3.07E-06	3	5776564	INTERGENIC	A	AC027119.1;OTTHUMG00000154907	-227965	-9
rs2470644	5	3.37E-06	3	5776857	INTERGENIC	T	AC027119.1;OTTHUMG00000154907	-227672	-9
rs17043388	6	3.89E-06	3	5760703	INTERGENIC	T	AC027119.1;OTTHUMG00000154907	-243826	-9
rs1811510	7	4.06E-06	3	5775231	INTERGENIC	T	AC027119.1;OTTHUMG00000154907	-229298	-9
rs9598027	8	4.09E-06	13	34297478	INTERGENIC	A	OTTHUMG00000016714;RP11-141M1.3	-46573	-9
rs9598026	9	4.10E-06	13	34297324	INTERGENIC	T	OTTHUMG00000016714;RP11-141M1.3	-46419	-9
rs9592004	10	4.10E-06	13	34297704	INTERGENIC	G	OTTHUMG00000016714;RP11-141M1.3	-46799	-9
rs9598029	11	4.13E-06	13	34297679	INTERGENIC	C	OTTHUMG00000016714;RP11-141M1.3	-46774	-9
rs10507414	12	4.20E-06	13	34297843	INTERGENIC	G	OTTHUMG00000016714;RP11-141M1.3	-46938	-9
rs17079650	13	4.20E-06	13	34298499	INTERGENIC	T	OTTHUMG00000016714;RP11-141M1.3	-47594	-9
rs7318085	14	4.25E-06	13	34298055	INTERGENIC	T	OTTHUMG00000016714;RP11-141M1.3	-47150	-9
rs7319180	15	4.25E-06	13	34298295	INTERGENIC	G	OTTHUMG00000016714;RP11-141M1.3	-47390	-9
rs9598025	16	4.36E-06	13	34297290	INTERGENIC	G	OTTHUMG00000016714;RP11-141M1.3	-46385	-9
rs9315242	17	4.36E-06	13	34297026	INTERGENIC	T	OTTHUMG00000016714;RP11-141M1.3	-46121	-9
rs2182058	18	5.26E-06	13	34293117	INTERGENIC	T	OTTHUMG00000016714;RP11-141M1.3	-42212	-9
rs7618793	19	5.27E-06	3	5776587	INTERGENIC	G	AC027119.1;OTTHUMG00000154907	-227942	-9
rs4798680	20	5.39E-06	18	8730726	INTRONIC	G	KIAA0802;OTTHUMG00000131594	0	-9
rs1452713	21	5.70E-06	3	5777222	INTERGENIC	C	AC027119.1;OTTHUMG00000154907	-227307	-9
rs959655	22	6.13E-06	18	49878864	INTRONIC	C	DCC;OTTHUMG00000132698	0	-9
rs1443570	23	6.13E-06	18	49878620	INTRONIC	A	DCC;OTTHUMG00000132698	0	-9
rs2017162	24	6.99E-06	18	8730240	INTRONIC	T	KIAA0802;OTTHUMG00000131594	0	-9
rs4239334	25	7.14E-06	18	8730751	INTRONIC	C	KIAA0802;OTTHUMG00000131594	0	-9
rs11631439	26	7.62E-06	15	91143805	INTRONIC	C	CRTC3	0	-9
rs8026682	27	8.10E-06	15	91143253	INTRONIC	C	CRTC3	0	-9
rs4932350	28	8.26E-06	15	91143438	INTRONIC	A	CRTC3	0	-9
rs4932351	29	8.52E-06	15	91143720	INTRONIC	C	CRTC3	0	-9
rs326419	30	8.68E-06	3	7895790	INTERGENIC	G	AC077690.1	54257	-9
rs326417	31	8.97E-06	3	7896492	INTERGENIC	T	AC077690.1	54959	-9

rs8030781	32	8.98E-06	15	91143072	INTRONIC	T	CRTC3	0	-9		
rs8026218	33	9.10E-06	15	91145265	INTRONIC	A	CRTC3	0	-9		
rs6496703	34	9.21E-06	15	91144903	INTRONIC	A	CRTC3	0	-9		
rs4140745	35	9.73E-06	7	121754695	INTRONIC	C	OTTHUMG00000157058;AASS	0	-9		
rs10233433	36	1.08E-05	7	121721201	INTRONIC	C	OTTHUMG00000157058;AASS	0	-9		
rs7653216	37	1.08E-05	3	7912970	INTERGENIC	G	AC077690.1	71437	-9		
rs3914059	38	1.23E-05	11	113503954	INTERGENIC	T	AP003402.1	22485	-9		
rs373953	39	1.27E-05	3	7890279	INTERGENIC	C	AC077690.1	48746	-9		
rs397592	40	1.27E-05	3	7890939	INTERGENIC	G	AC077690.1	49406	-9		
rs1022084	41	1.27E-05	11	113508425	INTERGENIC	A	AP003402.1	26956	-9		
rs453488	42	1.27E-05	3	7886169	INTERGENIC	C	AC077690.1	44636	-9		
rs1798619	43	1.28E-05	3	196485851	INTRONIC	T	PAK2;OTTHUMG00000155534	0	-9		
rs1509513	44	1.29E-05	11	113504913	INTERGENIC	A	AP003402.1	23444	-9		
rs11729140	45	1.29E-05	4	80092116	WITHIN_NON_CODING_GENE	C	OTTHUMG00000160858;RP11-438E5.1	0	-9	0	-9
rs1455308	46	1.30E-05	4	80091507	WITHIN_NON_CODING_GENE	C	OTTHUMG00000160858;RP11-438E5.1	0	-9	0	-9
rs7662055	47	1.30E-05	4	80093828	WITHIN_NON_CODING_GENE	A	OTTHUMG00000160858;RP11-438E5.1	0	-9	0	-9
rs4975161	48	1.30E-05	4	80098425	WITHIN_NON_CODING_GENE	C	OTTHUMG00000160858;RP11-438E5.1	0	-9	0	-9
rs7356447	49	1.39E-05	4	80100104	WITHIN_NON_CODING_GENE	A	OTTHUMG00000160858;RP11-438E5.1	0	-9	0	-9
rs17741012	50	1.43E-05	3	7909163	INTERGENIC	T	AC077690.1	67630	-9		
rs1443573	51	1.46E-05	18	49874596	INTRONIC	C	DCC;OTTHUMG00000132698	0	-9		
rs8089554	52	1.50E-05	18	49840378	INTERGENIC	G	DCC;OTTHUMG00000132698	-26780	-9		
rs11153768	53	1.51E-05	6	118988152	INTRONIC	C	OTTHUMG00000015465;C6orf204	0	-9		
rs191604	54	1.52E-05	18	49847072	INTERGENIC	C	DCC;OTTHUMG00000132698	-20086	-9		
rs401030	55	1.54E-05	10	55301556	INTERGENIC	T	5S_rRNA.397	83508	-9		
rs6776169	56	1.62E-05	3	5752152	INTERGENIC	C	AC027119.1;OTTHUMG00000154907	-252377	-9		
rs10212309	57	1.69E-05	3	5741743	INTERGENIC	C	AC027119.1;OTTHUMG00000154907	-262786	-9		
rs352135	58	1.71E-05	18	49832132	INTERGENIC	A	DCC;OTTHUMG00000132698	-35026	-9		
rs10872167	59	1.76E-05	6	118988362	INTRONIC	A	OTTHUMG00000015465;C6orf204	0	-9		
rs4476150	60	1.79E-05	15	91147214	INTRONIC	G	CRTC3	0	-9		
rs4945623	61	1.86E-05	6	118980556	INTRONIC	G	OTTHUMG00000015465;C6orf204	0	-9		
rs9671232	62	1.90E-05	14	97917828	INTERGENIC	T	AL445885.1	-7379	-9		
rs17226667	63	1.97E-05	6	118721628	INTERGENIC	A	RP11-57K17.1;OTTHUMG00000015461	52004	-9		
rs10510376	64	2.03E-05	3	7952593	INTERGENIC	A	AC087859.1;OTTHUMG00000154968	41899	-9		
rs10520692	65	2.09E-05	15	91154471	INTRONIC	A	CRTC3	0	-9		
rs306420	66	2.16E-05	13	26466549	INTRONIC	A	ATP8A2;OTTHUMG00000016611	0	-9		
rs17825393	67	2.17E-05	6	118772583	DOWNSTREAMT		RP11-57K17.1;OTTHUMG00000015461	1049	-9		

rs11643320	68	2.18E-05	16	80810943	INTRONIC	T	CDYL2	0	-9		
rs1684470	69	2.19E-05	3	196467603	INTRONIC	G	PAK2;OTTHUMG00000155534	0	-9		
rs11970286	70	2.20E-05	6	118680374	INTERGENIC	C	SLC35F1;OTTHUMG00000015460	41535	-9		
rs17227124	71	2.23E-05	6	118741382	INTERGENIC	T	RP11-57K17.1;OTTHUMG00000015461	32250	-9		
rs11636695	72	2.24E-05	15	91152911	INTRONIC	C	CRTC3	0	-9		
rs7165429	73	2.26E-05	15	91151881	INTRONIC	C	CRTC3	0	-9		
rs3743406	74	2.26E-05	15	91161548	INTRONIC	A	CRTC3	0	-9		
rs17180057	75	2.28E-05	15	91155834	INTRONIC	A	CRTC3	0	-9		
rs11752626	76	2.32E-05	6	118788652	INTRONIC	G	OTTHUMG00000015465;C6orf204	0	-9		
rs765951	77	2.34E-05	7	149054004	UPSTREAM	T	AC004941.1	-184	-9		
rs13088386	78	2.35E-05	3	7950430	INTERGENIC	A	AC087859.1;OTTHUMG00000154968	44062	-9		
rs8176044	79	2.40E-05	7	142639321	INTRONIC	T	KEL;OTTHUMG00000157159	0	-200		
rs12661338	80	2.40E-05	6	118794690	INTRONIC	C	OTTHUMG00000015465;C6orf204	0	-9		
rs9810814	81	2.43E-05	3	139691236	INTRONIC	G	OTTHUMG00000160139;CLSTN2	0	-9		
rs569626	82	2.52E-05	22	27747270	WITHIN_NON_CODING_GENE	A	OTTHUMG00000150950;CTA-929C8.8	0	-9	0	-9
rs17761499	83	2.56E-05	16	80818676	INTRONIC	T	CDYL2	0	-9		
rs2894300	84	2.58E-05	10	71637227	INTRONIC	A	OTTHUMG00000018394;COL13A1	0	132		
rs11968176	85	2.68E-05	6	118900940	INTRONIC	C	OTTHUMG00000015465;C6orf204	0	-9		
rs4141777	86	2.72E-05	13	26493312	INTRONIC	A	ATP8A2;OTTHUMG0000001661	1	0	-9	
rs4940174	87	2.75E-05	18	49859963	INTERGENIC	T	DCC;OTTHUMG00000132698	-7195	-9		
rs641267	88	2.77E-05	13	26442696	INTRONIC	G	AL138815.1	0	-9		
rs4940175	89	2.77E-05	18	49860336	INTERGENIC	G	DCC;OTTHUMG00000132698	-6822	-9		
rs641730	90	2.78E-05	13	26442829	INTRONIC	G	AL138815.1	0	-9		
rs7324714	91	2.83E-05	13	103159647	INTERGENIC	A	OTTHUMG00000017305;TPP2	-89706	-9		
rs11970553	92	2.87E-05	6	118485317	INTRONIC	G	SLC35F1;OTTHUMG00000015460	0	-9		
rs352138	93	2.87E-05	18	49851496	INTERGENIC	C	DCC;OTTHUMG00000132698	-15662	-9		
rs6906287	94	2.92E-05	6	118962740	INTRONIC	T	OTTHUMG00000015465;C6orf204	0	-9		
rs306395	95	2.95E-05	13	26450564	INTRONIC	G	AL138815.1	0	-9		
rs7235989	96	2.96E-05	18	8736346	INTRONIC	T	KIAA0802;OTTHUMG00000131594	0	-9		
rs919634	97	2.97E-05	18	49857598	INTERGENIC	G	DCC;OTTHUMG00000132698	-9560	-9		
rs8094051	98	2.97E-05	18	8734682	INTRONIC	G	KIAA0802;OTTHUMG00000131594	0	-9		
rs10853617	99	3.00E-05	18	49858801	INTERGENIC	A	DCC;OTTHUMG00000132698	-8357	-9		
rs9531159	100	3.01E-05	13	36470336	INTRONIC	T	OTTHUMG00000016729;DCLK1	0	-9		

Neuroticism

SNP	rank	P	chromosome	coordinate(annotated)	type	ancestral allele	closest gene	distance to gene (ensembl coordinates)	distance to
rs11630918	1	4.22E-07	15	75155896	INTRONIC	C	OTTHUMG00000142817;SCAMP2	0 -9	
rs11072511	2	7.14E-07	15	75159433	INTRONIC	G	OTTHUMG00000142817;SCAMP2	0 -9	
rs7497393	3	7.21E-07	15	75175457	INTERGENIC	G	OTTHUMG00000142826;MPI	-6906 -9	
rs7495739	4	8.47E-07	15	75185670	INTRONIC	G	OTTHUMG00000142826;MPI	0 -9	
rs3765066	5	8.93E-07	15	75140854	INTRONIC	G	OTTHUMG00000142817;SCAMP2	0 -87	
rs1127796	6	9.59E-07	15	75193004	3PRIME_UTR	T	C15orf17	0 -9	
rs1130741	7	9.75E-07	15	75189930	SYNONYMOUS_CODING	A	OTTHUMG00000142826;MPI	0 -9	-9
rs936229	8	9.97E-07	15	75132319	INTRONIC	G	ULK3	0 -9	
rs4886633	9	1.06E-06	15	75178207	UPSTREAM	A	OTTHUMG00000142826;MPI	-4156 -9	
rs8031937	10	1.06E-06	15	75181121	UPSTREAM	G	OTTHUMG00000142826;MPI	-1242 -9	
rs4886636	11	1.07E-06	15	75196176	INTRONIC	A	C15orf17	0 -9	
rs6495126	12	1.08E-06	15	75175026	INTERGENIC	G	OTTHUMG00000142826;MPI	-7337 -9	
rs936230	13	1.17E-06	15	75145098	INTRONIC	C	OTTHUMG00000142817;SCAMP2	0 -9	
rs1869959	14	1.18E-06	15	75147332	INTRONIC	C	OTTHUMG00000142817;SCAMP2	0 -9	
rs6495127	15	1.53E-06	15	75194490	REGULATORY_REGION;3PRIME_UTR	T	C15orf17	0 -9	
rs8042694	16	1.55E-06	15	75225415	INTRONIC	A	COX5A;OTTHUMG00000142825	0 -9	
rs11072514	17	1.66E-06	15	75221865	INTRONIC	T	COX5A;OTTHUMG00000142825	0 -9	
rs11072513	18	1.67E-06	15	75220968	INTRONIC	C	COX5A;OTTHUMG00000142825	0 -9	
rs1133322	19	1.68E-06	15	75212357	3PRIME_UTR	A	COX5A;OTTHUMG00000142825	0 -9	
rs1133323	20	1.74E-06	15	75212225	3PRIME_UTR	C	COX5A;OTTHUMG00000142825	0 -9	
rs11072518	21	2.07E-06	15	75234610	UPSTREAM	C	COX5A;OTTHUMG00000142825	-4101 -9	
rs1378938	22	2.10E-06	15	75096443	DOWNSTREAM	C	OTTHUMG00000142814;CSK	904 -9	
rs7176022	23	2.10E-06	15	75107880	INTRONIC	C	LMAN1L;OTTHUMG00000142813	0 -9	
rs11072512	24	2.15E-06	15	75204026	UPSTREAM	C	C15orf17	-4564 -9	
rs7162232	25	2.25E-06	15	75115895	SPLICE_SITE;INTRONIC	A	LMAN1L;OTTHUMG00000142813	0 -9	0 -5
rs11634474	26	2.28E-06	15	75116184	INTRONIC	G	LMAN1L;OTTHUMG00000142813	0 -9	
rs11856413	27	2.31E-06	15	75199892	UPSTREAM	A	C15orf17	-430 -9	
rs12000753	28	2.69E-06	9	30418801	INTERGENIC	C	OTTHUMG00000019728;RP11-255N24.4	140077 -9	
rs12067374	29	2.72E-06	1	152568230	INTRONIC	C	LCE3C;OTTHUMG00000014403	0 -9	
rs9210	30	2.75E-06	15	75128501	3PRIME_UTR	C	ULK3	0 -9	
rs7905170	31	5.32E-06	10	79738238	INTRONIC	G	OTTHUMG00000018550;POLR3A	0 -9	
rs4979936	32	5.57E-06	10	79739531	INTRONIC	T	OTTHUMG00000018550;POLR3A	0 -9	
rs4979937	33	5.76E-06	10	79739600	INTRONIC	A	OTTHUMG00000018550;POLR3A	0 -9	
rs2241547	34	6.31E-06	10	79736964	3PRIME_UTR	G	OTTHUMG00000018550;POLR3A	0 -9	

rs3088264	35	6.37E-06	10	79735775	3PRIME_UTR	T	OTTHUMG00000018550;POLR3A	0	-9		
rs2241546	36	7.45E-06	10	79735271	3PRIME_UTR	C	OTTHUMG00000018550;POLR3A	0	-9		
rs735638	37	7.77E-06	10	79732721	WITHIN_NON_CODING_GENE	A	OTTHUMG00000018550;POLR3A	0	-9	0	-9
rs13113020	38	7.80E-06	4	77588821	INTRONIC	A	SHROOM3;OTTHUMG00000157075	0	-9		
rs11184409	39	8.49E-06	1	105541666	INTERGENIC	T	RP11-414B7.1;OTTHUMG00000011002	-434950	-9		
rs780347	40	8.74E-06	3	59767118	INTRONIC	G	FHIT;OTTHUMG00000158591	0	-9		
rs780346	41	9.06E-06	3	59766184	INTRONIC	A	FHIT;OTTHUMG00000158591	0	-9		
rs7781581	42	9.27E-06	7	1195264	INTRONIC	C	ZFAND2A;OTTHUMG00000119019	0	49		
rs11723588	43	9.82E-06	4	77586259	INTRONIC	G	SHROOM3;OTTHUMG00000157075	0	-9		
rs12487	44	1.08E-05	15	75136694	3PRIME_UTR	T	OTTHUMG00000142817;SCAMP2	0	-9		
rs7085	45	1.14E-05	15	75095483	3PRIME_UTR	C	OTTHUMG00000142814;CSK	0	54		
rs4589200	46	1.14E-05	10	128565096	INTERGENIC	C	DOCK1;OTTHUMG00000019249	-28882	-9		
rs2301249	47	1.17E-05	15	75092384	INTRONIC	C	OTTHUMG00000142814;CSK	0	-9		
rs2394086	48	1.21E-05	10	66364463	INTERGENIC	A	RP11-76F14.1;OTTHUMG00000018324	15668	-9		
rs532669	49	1.30E-05	12	69953596	INTRONIC	C	FRS2	0	-9		
rs4845449	50	1.32E-05	1	152591024	DOWNSTREAMA		OTTHUMG00000012397;LCE3A	4286	-9		
rs6677595	51	1.34E-05	1	152590187	DOWNSTREAMC		OTTHUMG00000012395;LCE3B	3613	-9		
rs6701307	52	1.34E-05	1	152590444	DOWNSTREAMG		OTTHUMG00000012395;LCE3B	3870	-9		
rs6700158	53	1.34E-05	1	152592828	DOWNSTREAMG		OTTHUMG00000012397;LCE3A	2482	-9		
rs1581803	54	1.35E-05	1	152592281	DOWNSTREAMG		OTTHUMG00000012397;LCE3A	3029	-9		
rs4845454	55	1.36E-05	1	152592184	DOWNSTREAMC		OTTHUMG00000012397;LCE3A	3126	-9		
rs477392	56	1.36E-05	1	152555176	INTRONIC	C	LCE3C;OTTHUMG00000014403	0	-9		
rs1886734	57	1.37E-05	1	152591142	DOWNSTREAMN/A		OTTHUMG00000012397;LCE3A	4168	-9		
rs10888503	58	1.39E-05	1	152593549	DOWNSTREAMC		OTTHUMG00000012397;LCE3A	1761	-9		
rs4845446	59	1.39E-05	1	152590750	DOWNSTREAMC		OTTHUMG00000012395;LCE3B	4176	-9		
rs6693105	60	1.39E-05	1	152590663	DOWNSTREAMC		OTTHUMG00000012395;LCE3B	4089	-9		
rs2242578	61	1.40E-05	12	57853153	UPSTREAM	G	OTTHUMG00000167332;GLI1	-765	-9		
rs4075106	62	1.41E-05	12	7550186	INTRONIC	A	CD163L1	0	-9		
rs6702463	63	1.43E-05	1	152598711	UPSTREAM	A	OTTHUMG00000012397;LCE3A	-3132	-9		
rs7489145	64	1.47E-05	12	7551222	INTRONIC	C	CD163L1	0	-9		
rs4845459	65	1.48E-05	1	152603842	INTERGENIC	A	OTTHUMG00000012397;LCE3A	-8263	-9		
rs7487128	66	1.48E-05	12	7551307	INTRONIC	G	CD163L1	0	-9		
rs673870	67	1.52E-05	3	59770221	INTRONIC	C	FHIT;OTTHUMG00000158591	0	-9		
rs12312491	68	1.52E-05	12	7552855	INTRONIC	G	CD163L1	0	-9		
rs12305920	69	1.53E-05	12	7553051	INTRONIC	G	CD163L1	0	-9		
rs4085613	70	1.54E-05	1	152550018	INTRONIC	T	LCE3C;OTTHUMG00000014403	0	-9		

rs12306216	71	1.57E-05	12	7553625	INTRONIC	C	CD163L1	0	-9
rs4112788	72	1.57E-05	1	152551276	INTRONIC	G	LCE3C;OTTHUMG00000014403	0	-9
rs2559669	73	1.66E-05	10	79719611	INTERGENIC	T	AL391421.2	5184	-9
rs4845450	74	1.70E-05	1	152591200	DOWNSTREAMT		OTTHUMG00000012397;LCE3A	4110	-9
rs12783987	75	1.70E-05	10	128581683	INTERGENIC	C	DOCK1;OTTHUMG00000019249	-12295	-9
rs7581869	76	1.72E-05	2	221950948	INTERGENIC	T	AC011233.2;OTTHUMG000000153851	-76543	-9
rs12572510	77	1.73E-05	10	79726273	DOWNSTREAMT		OTTHUMG00000018550;POLR3A	2735	-9
rs517711	78	1.73E-05	3	59762008	INTRONIC	G	FHIT;OTTHUMG000000158591	0	-9
rs7967509	79	1.75E-05	12	69855550	INTERGENIC	C	FRS2	-8579	-9
rs1039384	80	1.76E-05	3	56849189	INTRONIC	A	ARHGEF3;OTTHUMG000000158857	0	-9
rs516391	81	1.79E-05	12	69958202	INTRONIC	G	FRS2	0	-9
rs936227	82	1.83E-05	15	75131959	NON_SYNONYMOUS_CODING	G	ULK3	0	-60
rs12908814	83	1.88E-05	15	75132490	REGULATORY_REGION;INTRONIC	C	ULK3	0	-85
rs11072508	84	1.92E-05	15	75062397	INTERGENIC	C	OTTHUMG000000142814;CSK	-12028	-9
rs11611373	85	1.92E-05	6	86480633	INTERGENIC	A	Y_RNA.166	6724	-9
rs221067	86	1.93E-05	12	69858563	INTERGENIC	T	FRS2	-5566	-9
rs2415251	87	1.97E-05	15	75242155	INTERGENIC	T	RPP25;OTTHUMG000000142822	5288	-9
rs12309292	88	2.00E-05	12	7582113	INTRONIC	T	CD163L1	0	-9
rs221066	89	2.06E-05	12	69858279	INTERGENIC	T	FRS2	-5850	-9
rs10824587	90	2.18E-05	10	79740262	INTRONIC	C	OTTHUMG00000018550;POLR3A	0	-9
rs12039331	91	2.18E-05	1	180501196	INTERGENIC	A	Y_RNA.513	-12941	-9
rs10798745	92	2.34E-05	1	180291777	INTRONIC	T	ACBD6;OTTHUMG000000035117	0	-9
rs1925339	93	2.34E-05	1	180261070	INTRONIC	T	ACBD6;OTTHUMG000000035117	0	-9
rs4642852	94	2.37E-05	1	180356025	INTRONIC	A	ACBD6;OTTHUMG000000035117	0	-9
rs6661208	95	2.37E-05	1	180361630	INTRONIC	T	ACBD6;OTTHUMG000000035117	0	-9
rs10822318	96	2.43E-05	10	66340742	INTERGENIC	G	RP11-76F14.1;OTTHUMG00000018324	39389	-9
rs2290572	97	2.52E-05	15	75130573	INTRONIC	G	ULK3	0	-34
rs1543927	98	2.55E-05	15	75063573	INTERGENIC	C	OTTHUMG000000142814;CSK	-10852	-9
rs12245010	99	2.56E-05	10	79737998	INTRONIC	T	OTTHUMG00000018550;POLR3A	0	-9
rs2241548	100	2.57E-05	10	79737613	INTRONIC	A	OTTHUMG00000018550;POLR3A	0	-9

#### Anxiety

SNP	rank	P	chromosome	coordinate(annotated)	type	ancestral allele	closest gene	distance to gene (ensembl coordinates)	distance to exon boundary
rs1079196		1	8.00E-08	3	59806778	G	FHIT;OTTHUMG000000158591	0	-9
rs10428174		2	5.33E-07	3	59814048	G	FHIT;OTTHUMG000000158591	0	-9



rs4679614	3	1.32E-06	3	59810867	INTRONIC	C	FHIT;OTTHUMG00000158591	0	-9
rs2793109	4	1.47E-06	10	31379846	INTERGENIC	T	OTTHUMG00000017904;ZNF438	-58980	-9
rs4679615	5	2.75E-06	3	59811024	INTRONIC	T	FHIT;OTTHUMG00000158591	0	-9
rs1872495	6	2.76E-06	3	59811637	INTRONIC	A	FHIT;OTTHUMG00000158591	0	-9
rs611348	7	3.44E-06	6	102054465	INTRONIC	C	OTTHUMG00000016328;GRIK2	0	-9
rs5770953	8	3.49E-06	22	51062938	DOWNSTREAMT		ARSA;OTTHUMG00000150180	508	-9
rs867992	9	6.36E-06	10	31389313	INTERGENIC	A	OTTHUMG00000017904;ZNF438	-68447	-9
rs867991	10	6.36E-06	10	31389265	INTERGENIC	T	OTTHUMG00000017904;ZNF438	-68399	-9
rs3129678	11	7.72E-06	13	22547878	INTERGENIC	A	AL136962.1	-67236	-9
rs2347399	12	8.21E-06	2	153943546	INTERGENIC	G	OTTHUMG00000153824;AC011901.1	-71906	-9
rs13415190	13	8.23E-06	2	153931617	INTERGENIC	A	OTTHUMG00000153824;AC011901.1	-83835	-9
rs1158394	14	8.73E-06	2	153947283	INTERGENIC	G	OTTHUMG00000153824;AC011901.1	-68169	-9
rs7666981	15	9.45E-06	4	90832044	INTRONIC	G	OTTHUMG00000130947;MMRN1	0	-9
rs10917775	16	9.69E-06	1	163454111	INTERGENIC	G	5S_rRNA.74	-15716	-9
rs3775465	17	1.06E-05	4	90827466	INTRONIC	C	OTTHUMG00000130947;MMRN1	0	-9
rs1538752	18	1.08E-05	9	82152549	INTERGENIC	C	OTTHUMG00000020070;RP11-375O18.2	-5292	-9
rs10433955	19	1.10E-05	4	90830783	INTRONIC	G	OTTHUMG00000130947;MMRN1	0	-9
rs10867401	20	1.16E-05	9	82150669	UPSTREAM	C	OTTHUMG00000020070;RP11-375O18.2	-3412	-9
rs3775467	21	1.20E-05	4	90832608	INTRONIC	A	OTTHUMG00000130947;MMRN1	0	-9
rs33353	22	1.30E-05	5	67950831	INTERGENIC	C	CTC-537E7.2;OTTHUMG00000162335	-121474	-9
rs41108	23	1.39E-05	5	67939391	INTERGENIC	C	CTC-537E7.2;OTTHUMG00000162335	-110034	-9
rs43185	24	1.41E-05	5	67942379	INTERGENIC	G	CTC-537E7.2;OTTHUMG00000162335	-113022	-9
rs42772	25	1.42E-05	5	67941677	INTERGENIC	T	CTC-537E7.2;OTTHUMG00000162335	-112320	-9
rs33351	26	1.48E-05	5	67951600	INTERGENIC	C	CTC-537E7.2;OTTHUMG00000162335	-122243	-9
rs40307	27	1.48E-05	5	67951347	INTERGENIC	T	CTC-537E7.2;OTTHUMG00000162335	-121990	-9
rs282422	28	1.48E-05	5	67938981	INTERGENIC	G	CTC-537E7.2;OTTHUMG00000162335	-109624	-9
rs182227	29	1.52E-05	5	67938513	INTERGENIC	G	CTC-537E7.2;OTTHUMG00000162335	-109156	-9
rs2547988	30	1.52E-05	5	67938108	INTERGENIC	T	CTC-537E7.2;OTTHUMG00000162335	-108751	-9
rs282424	31	1.52E-05	5	67938885	INTERGENIC	C	CTC-537E7.2;OTTHUMG00000162335	-109528	-9
rs40309	32	1.54E-05	5	67942880	INTERGENIC	A	CTC-537E7.2;OTTHUMG00000162335	-113523	-9
rs33356	33	1.56E-05	5	67943670	INTERGENIC	T	CTC-537E7.2;OTTHUMG00000162335	-114313	-9
rs12243975	34	1.58E-05	10	126688047	INTRONIC	C	OTTHUMG00000019224;CTBP2	0	-9
rs4385660	35	1.61E-05	1	78655779	INTERGENIC	G	OTTHUMG00000041117;RP11-472F19.2	-18781	-9
rs12438172	36	1.75E-05	15	24088975	INTERGENIC	T	U6.402	-66285	-9
rs210698	37	1.81E-05	8	40219267	INTERGENIC	T	CTA-392C11.2;OTTHUMG00000164048	-8280	-9
rs10516850	38	1.85E-05	4	90837127	INTRONIC	G	OTTHUMG00000130947;MMRN1	0	-9

rs4778338	39	1.92E-05	15	24089570	INTERGENIC	T	U6.402	-66880	-9		
rs210700	40	1.94E-05	8	40219804	INTERGENIC	T	CTA-392C11.2;OTTHUMG00000164048	-7743	-9		
rs3775473	41	1.95E-05	4	90837641	INTRONIC	T	OTTHUMG00000130947;MMRN1	0	-9		
rs10516851	42	1.99E-05	4	90837944	INTRONIC	C	OTTHUMG00000130947;MMRN1	0	-9		
rs210696	43	2.00E-05	8	40217410	INTERGENIC	A	CTA-392C11.2;OTTHUMG00000164048	-10137	-9		
rs12644375	44	2.00E-05	4	90837980	INTRONIC	G	OTTHUMG00000130947;MMRN1	0	-9		
rs2728822	45	2.01E-05	12	22472695	INTRONIC	C	ST8SIA1	0	-9		
rs2793108	46	2.03E-05	10	31379105	INTERGENIC	T	OTTHUMG00000017904;ZNF438	-58239	-9		
rs10044666	47	2.03E-05	5	155128570	INTERGENIC	G	5S_rRNA.68	-143877	-9		
rs84125	48	2.04E-05	8	40204262	UPSTREAM	A	CTA-392C11.1;OTTHUMG00000164047	-3341	-9		
rs4246894	49	2.11E-05	9	115777556	UPSTREAM	T	OTTHUMG00000020514;ZNF883	-3049	-9		
rs7819163	50	2.12E-05	8	40226460	UPSTREAM	C	CTA-392C11.2;OTTHUMG00000164048	-1087	-9		
rs9692857	51	2.12E-05	8	40225876	UPSTREAM	T	CTA-392C11.2;OTTHUMG00000164048	-1671	-9		
rs7836057	52	2.12E-05	8	40225832	UPSTREAM	G	CTA-392C11.2;OTTHUMG00000164048	-1715	-9		
rs451685	53	2.12E-05	8	40225112	UPSTREAM	C	CTA-392C11.2;OTTHUMG00000164048	-2435	-9		
rs813406	54	2.12E-05	8	40225630	UPSTREAM	A	CTA-392C11.2;OTTHUMG00000164048	-1917	-9		
rs3775477	55	2.13E-05	4	90839022	INTRONIC	T	OTTHUMG00000130947;MMRN1	0	-9		
rs210697	56	2.13E-05	8	40218405	INTERGENIC	C	CTA-392C11.2;OTTHUMG00000164048	-9142	-9		
rs12641781	57	2.18E-05	4	90841787	INTRONIC	A	OTTHUMG00000130947;MMRN1	0	-9		
rs793094	58	2.21E-05	10	31386822	INTERGENIC	G	OTTHUMG00000017904;ZNF438	-65956	-9		
rs1120970	59	2.22E-05	15	24089418	INTERGENIC	A	U6.402	-66728	-9		
rs10520447	60	2.28E-05	4	181300520	INTERGENIC	A	AC104660.1	105440	-9		
rs210701	61	2.29E-05	8	40220194	INTERGENIC	G	CTA-392C11.2;OTTHUMG00000164048	-7353	-9		
rs3775478	62	2.34E-05	4	90842840	INTRONIC	G	OTTHUMG00000130947;MMRN1	0	-9		
rs2900502	63	2.36E-05	12	22471047	INTRONIC	T	ST8SIA1	0	-9		
rs1432816	64	2.38E-05	5	155253747	INTERGENIC	A	5S_rRNA.68	-18700	-9		
rs3736647	65	2.40E-05	8	40228421	WITHIN_NON_CODING_GENE	G	CTA-392C11.2;OTTHUMG00000164048	0	18		
rs6474247	66	2.41E-05	8	40226685	UPSTREAM	A	CTA-392C11.2;OTTHUMG00000164048	-862	-9		
rs1022103	67	2.43E-05	1	78589598	INTRONIC	T	GIPC2;OTTHUMG00000041145	0	-9		
rs6742762	68	2.43E-05	2	231029682	WITHIN_NON_CODING_GENE	A	OTTHUMG00000154964;AC093171.1	0	-9		
rs3846688	69	2.45E-05	5	155252073	INTERGENIC	A	5S_rRNA.68	-20374	-9		
rs6556568	70	2.45E-05	5	155252462	INTERGENIC	A	5S_rRNA.68	-19985	-9		
rs793096	71	2.52E-05	10	31385449	INTERGENIC	T	OTTHUMG00000017904;ZNF438	-64583	-9		
rs598678	72	2.53E-05	3	59844944	INTRONIC	T	FHIT;OTTHUMG00000158591	0	-9		
rs8039055	73	2.62E-05	15	24088507	INTERGENIC	C	U6.402	-65817	-9		
rs17813715	74	2.65E-05	15	24089841	INTERGENIC	T	U6.402	-67151	-9		

rs210705	75	2.67E-05	8	40221754	INTERGENIC	C	CTA-392C11.2;OTTHUMG00000164048	-5793	-9
rs369891	76	2.67E-05	8	40223247	UPSTREAM	A	CTA-392C11.2;OTTHUMG00000164048	-4300	-9
rs210704	77	2.67E-05	8	40221484	INTERGENIC	C	CTA-392C11.2;OTTHUMG00000164048	-6063	-9
rs947113	78	2.72E-05	10	31375355	INTERGENIC	T	OTTHUMG00000017904;ZNF438	-54489	-9
rs7173902	79	2.77E-05	15	24088014	INTERGENIC	T	U6.402	-65324	-9
rs9409706	80	2.82E-05	9	96990968	UPSTREAM	T	snoU13.247	-4792	-9
rs7030004	81	2.85E-05	9	96986521	INTERGENIC	T	snoU13.247	-9239	-9
rs9409710	82	2.85E-05	9	97009024	DOWNSTREAMA		U6.1227	983	-9
rs7701575	83	2.88E-05	5	52201927	INTRONIC	G	ITGA1;OTTHUMG00000131163	0	-9
rs9409709	84	2.89E-05	9	97007046	UPSTREAM	T	U6.122 7	-925	-9
rs648708	85	2.93E-05	1	241747838	INTRONIC	T	OTTHUMG00000039635;KMO	0	-9
rs850678	86	2.93E-05	1	241747139	INTRONIC	A	OTTHUMG00000039635;KMO	0	-9
rs9409498	87	2.94E-05	9	96994063	UPSTREAM	G	snoU13.247	-1697	-9
rs659887	88	2.95E-05	1	241748003	INTRONIC	T	OTTHUMG00000039635;KMO	0	-9
rs655970	89	2.96E-05	1	241754836	INTRONIC	G	OTTHUMG00000039691;OPN3	0	-9
rs1053183	90	2.97E-05	1	241758631	3PRIME_UTR	A	OTTHUMG00000039691;OPN3	0	-9
rs10821317	91	3.11E-05	9	96975668	INTERGENIC	C	RP11-2B6.1;OTTHUMG00000020259	-8850	-9
rs210677	92	3.19E-05	8	40196002	WITHIN_NON_CODING_GENE	G	CTA-392C11.1;OTTHUMG00000164047	0	-9
rs10993096	93	3.22E-05	9	96975306	INTERGENIC	G	RP11-2B6.1;OTTHUMG00000020259	-8488	-9
rs2857607	94	3.25E-05	6	31517248	INTRONIC	C	OTTHUMG00000031038;NFKBIL1	0	-9
rs1990842	95	3.29E-05	2	170208035	INTRONIC	C	OTTHUMG00000132179;LRP2	0	-9
rs11162429	96	3.30E-05	1	78665643	INTERGENIC	A	OTTHUMG00000041117;RP11-472F19.2	-28645	-9
rs2641678	97	3.31E-05	16	84958952	DOWNSTREAMA		AC025280.1	4469	-9
rs2797296	98	3.31E-05	6	379834	INTRONIC	C	AL031770.1	0	-9
rs1890850	99	3.32E-05	1	78641967	UPSTREAM	G	OTTHUMG00000041117;RP11-472F19.2	-4969	-9
rs11754568	100	3.37E-05	6	12587013	UPSTREAM	A	RP11-125M16.1;OTTHUMG00000014269	-1377	-9

#### Depression

SNP	rank	P	chromosome	coordinate(annotated)	type	ancestral allele	closest gene	distance to gene (ensembl coordinates)	distance to
rs10410977	1	6.75E-07	19	10443254	INTRONIC	C	RAVER1	0	-9
rs7582472	2	1.59E-06	2	134644794	INTERGENIC	C	MGAT5;OTTHUMG00000131681	-232760	-9
rs2141848	3	2.64E-06	4	92395356	INTRONIC	A	FAM190A;OTTHUMG00000160950	0	-9
rs7675583	4	2.79E-06	4	92399884	INTRONIC	T	FAM190A;OTTHUMG00000160950	0	-9
rs3808900	5	2.89E-06	9	124992764	UPSTREAM	A	LHX6;OTTHUMG00000020601	-1544	-9
rs13429789	6	3.62E-06	2	134644309	INTERGENIC	T	MGAT5;OTTHUMG00000131681	-233245	-9

rs10007512	7	4.25E-06	4	92406115	INTRONIC	A	FAM190A;OTTHUMG00000160950	0	-9
rs6845679	8	4.48E-06	4	92350342	INTRONIC	C	FAM190A;OTTHUMG00000160950	0	-9
rs4888786	9	5.52E-06	16	78394040	INTRONIC	A	WVOX 0 -9		
rs16928179	10	6.73E-06	9	8602903	INTRONIC	A	PTPRD;OTTHUMG00000021005	0	-9
rs13264439	11	6.79E-06	8	23465063	INTERGENIC	C	U4.82	-7412	-9
rs4412982	12	7.11E-06	16	78405049	INTRONIC	A	WVOX	0	-9
rs12132065	13	7.18E-06	1	69047142	INTERGENIC	T	OTTHUMG00000009207;RP4-694A7.4	42832	-9
rs1858401	14	7.48E-06	8	23466466	INTERGENIC	C	U4.82	-8815	-9
rs11135759	15	8.36E-06	8	23469088	INTERGENIC	N/A	U4.82	-11437	-9
rs7547034	16	8.47E-06	1	69063771	INTERGENIC	T	OTTHUMG00000009207;RP4-694A7.4	59461	-9
rs12917864	17	9.15E-06	16	78402002	INTRONIC	T	WVOX	0	-9
rs12918436	18	9.30E-06	16	78402867	INTRONIC	C	WVOX	0	-9
rs10021816	19	9.92E-06	4	183300126	INTRONIC	G	ODZ3;OTTHUMG00000160682	0	-9
rs413223	20	1.01E-05	17	63103057	INTERGENIC	C	RGS9	-30492	-9
rs11639904	21	1.10E-05	16	78406523	INTRONIC	G	WVOX	0	-9
rs11648339	22	1.21E-05	16	78393122	INTRONIC	T	WVOX	0	-9
rs13338044	23	1.34E-05	16	78407567	INTRONIC	T	WVOX	0	-9
rs12685150	24	1.39E-05	9	8601881	INTRONIC	C	PTPRD;OTTHUMG00000021005	0	-9
rs2125724	25	1.46E-05	1	90000410	INTRONIC	C	LRRC8B;OTTHUMG00000010129	0	-9
rs9400007	26	1.47E-05	6	106905933	DOWNSTREAM	T	Y_RNA.154	3129	-9
rs16928175	27	1.53E-05	9	8602323	INTRONIC	G	PTPRD;OTTHUMG00000021005	0	-9
rs10815921	28	1.59E-05	9	8600627	INTRONIC	T	PTPRD;OTTHUMG00000021005	0	-9
rs4888492	29	1.71E-05	16	76354827	INTRONIC	C	OTTHUMG00000137617;CNTNAP4	0	-9
rs9792461	30	1.76E-05	9	8603606	INTRONIC	A	PTPRD;OTTHUMG00000021005	0	-9
rs16928187	31	1.84E-05	9	8603393	INTRONIC	C	PTPRD;OTTHUMG00000021005	0	-9
rs12753970	32	1.90E-05	1	89893138	DOWNSTREAM	A	RP4-644F6.3;OTTHUMG00000010128	1336	-9
rs476330	33	1.91E-05	6	116433265	INTRONIC	C	NT5DC1;OTTHUMG00000015428	0	-9
rs6650147	34	2.05E-05	10	121741746	INTERGENIC	C	RP11-198M6.2;OTTHUMG00000019162	14852	-9
rs9398087	35	2.35E-05	6	106905415	DOWNSTREAM	A	Y_RNA.154	2611	-9
rs12134715	36	2.38E-05	1	50912441	INTRONIC	A	FAF1;OTTHUMG00000007930	0	-9
rs12142848	37	2.41E-05	1	50918388	INTRONIC	C	FAF1;OTTHUMG00000007930	0	-9
rs11650378	38	2.44E-05	17	72570776	DOWNSTREAM	G	OTTHUMG00000067614;CD300LD	4728	-9
rs12565493	39	2.47E-05	1	50917596	INTRONIC	T	FAF1;OTTHUMG00000007930	0	-162
rs3856411	40	2.56E-05	2	180286557	INTERGENIC	G	ZNF385B;OTTHUMG00000154559	20152	-9
rs12133928	41	2.66E-05	1	50919942	INTRONIC	T	FAF1;OTTHUMG00000007930	0	-9
rs3849499	42	2.69E-05	3	76533656	INTRONIC	T	OTTHUMG00000158935;ROBO2	0	-9

rs7043072	43	2.77E-05	9	8609905	INTRONIC	T	PTPRD;OTTHUMG00000021005	0	-9
rs2016901	44	2.82E-05	16	76387435	INTRONIC	C	OTTHUMG00000137617;CNTNAP4	0	-9
rs6795266	45	2.83E-05	3	150445101	INTRONIC	A	AC011317.1	0	-9
rs4888800	46	2.87E-05	16	78412843	INTRONIC	T	WVOX	0	-9
rs2116691	47	2.89E-05	3	150444673	INTRONIC	G	AC011317.1	0	-9
rs3849498	48	2.90E-05	3	76526866	INTRONIC	T	OTTHUMG00000158935;ROBO2	0	-9
rs12932569	49	2.93E-05	16	78404518	INTRONIC	T	WVOX	0	-9
rs11645844	50	2.98E-05	16	78408972	INTRONIC	C	WVOX	0	-9
rs6857635	51	3.00E-05	4	41709538	INTERGENIC	T	LIMCH1;OTTHUMG00000160575	7477	-9
rs869151	52	3.14E-05	8	66638722	INTRONIC	A	MTFR1;OTTHUMG00000164468	0	-9
rs7829434	53	3.21E-05	8	66629144	INTRONIC	T	MTFR1;OTTHUMG00000164468	0	-9
rs12562938	54	3.25E-05	1	50931160	INTRONIC	C	RP5-850O15.3;OTTHUMG00000007927	0	-9
rs4861938	55	3.25E-05	4	182210944	INTERGENIC	C	RP11-665C14.2;OTTHUMG00000160700	-24762	-9
rs4861939	56	3.31E-05	4	182210989	INTERGENIC	C	RP11-665C14.2;OTTHUMG00000160700	-24807	-9
rs17070987	57	3.32E-05	4	182211105	INTERGENIC	G	RP11-665C14.2;OTTHUMG00000160700	-24923	-9
rs13123986	58	3.32E-05	4	92382683	INTRONIC	C	FAM190A;OTTHUMG00000160950	0	-9
rs11824001	59	3.37E-05	11	119203505	UPSTREAM	C	RNF26;OTTHUMG00000166171	-1732	-9
rs7822627	60	3.41E-05	8	66626374	INTRONIC	C	MTFR1;OTTHUMG00000164468	0	-9
rs9379678	61	3.41E-05	6	24640615	INTRONIC	G	OTTHUMG00000014358;KIAA0319	0	-9
rs4887962	62	3.41E-05	16	78412716	INTRONIC	C	WVOX	0	-9
rs9995889	63	3.49E-05	4	27808889	INTERGENIC	A	OTTHUMG00000161695;AC007106.1	160456	-9
rs13274205	64	3.54E-05	8	66620359	INTRONIC	G	MTFR1;OTTHUMG00000164468	0	-9
rs1074167	65	3.58E-05	2	154188996	INTERGENIC	G	OTTHUMG00000153820;AC079150.3	-5223	-9
rs9398086	66	3.58E-05	6	106895065	UPSTREAM	A	5S_rRNA.197	-2191	-9
rs12197698	67	3.60E-05	6	106899726	UPSTREAM	T	5S_rRNA.197	2354	-9
rs17396080	68	3.61E-05	8	66654703	INTRONIC	T	PDE7A;OTTHUMG00000164469	0	-9
rs1999659	69	3.61E-05	6	116430382	INTRONIC	A	NT5DC1;OTTHUMG00000015428	0	-9
rs875452	70	3.63E-05	10	132583607	INTERGENIC	C	Y_RNA.722	280142	-9
rs12116432	71	3.65E-05	1	50949724	INTRONIC	A	FAF1;OTTHUMG00000007930	0	-9
rs1337809	72	3.69E-05	9	8610298	INTRONIC	T	PTPRD;OTTHUMG00000021005	0	-9
rs17395275	73	3.77E-05	8	66591238	INTRONIC	A	MTFR1;OTTHUMG00000164468	0	-9
rs13281090	74	3.77E-05	8	66590479	INTRONIC	C	MTFR1;OTTHUMG00000164468	0	-9
rs7681232	75	3.77E-05	4	182213030	INTERGENIC	A	RP11-665C14.2;OTTHUMG00000160700	-26848	-9
rs10120311	76	3.82E-05	9	38708965	INTERGENIC	A	U6.1228	28864	-9
rs12692521	77	3.85E-05	2	14366696	WITHIN_NON_CODING_GENE	T	NCRNA00276;OTTHUMG00000151716	0	-9
rs1839208	78	3.85E-05	2	14365186	WITHIN_NON_CODING_GENE	T	NCRNA00276;OTTHUMG00000151716	0	-9

rs9373865	79	3.85E-05	6	106893070	UPSTREAM	G	5S_rRNA.197	-4186	-9
rs16825544	80	3.88E-05	2	229851713	INTERGENIC	T	OTTHUMG00000153592;AC007677.2	-16889	-9
rs1922230	81	3.96E-05	4	92373327	INTRONIC	T	FAM190A;OTTHUMG00000160950	0	-9
rs7822707	82	4.10E-05	8	66667850	INTRONIC	T	PDE7A;OTTHUMG00000164469	0	-9
rs7837631	83	4.13E-05	8	23474426	INTERGENIC	A	U4.82	-16775	-9
rs13251307	84	4.21E-05	8	66577146	INTRONIC	T	MTFR1;OTTHUMG00000164468	0	-9
rs7675549	85	4.30E-05	4	92399814	INTRONIC	T	FAM190A;OTTHUMG00000160950	0	-9
rs6857239	86	4.30E-05	4	27814525	INTERGENIC	C	OTTHUMG00000161695;AC007106.1	154820	-9
rs7818909	87	4.31E-05	8	66661472	INTRONIC	T	PDE7A;OTTHUMG00000164469	0	-9
rs16877286	88	4.31E-05	5	6418689	INTERGENIC	T	OTTHUMG00000161683;UBE2QL1	-30047	-9
rs1637078	89	4.33E-05	7	22097476	INTERGENIC	A	RAPGEF5;OTTHUMG00000152525	60433	-9
rs11986046	90	4.35E-05	8	23478809	INTERGENIC	G	OTTHUMG00000163866;RP11-583M2.2	13580	-9
rs6997959	91	4.42E-05	8	66540482	INTRONIC	T	OTTHUMG00000164374;ARMC1	0	-9
rs7842162	92	4.45E-05	8	66556292	INTRONIC	T	MTFR1;OTTHUMG00000164468	0	-9
rs13280521	93	4.56E-05	8	66661074	INTRONIC	G	PDE7A;OTTHUMG00000164469	0	-9
rs12306662	94	4.57E-05	12	44378314	INTRONIC	A	TMEM117	0	-9
rs3814077	95	4.69E-05	6	106919469	INTERGENIC	G	Y_RNA.154	16665	-9
rs4888798	96	4.75E-05	16	78410634	INTRONIC	C	WFOX	0	-9
rs17608484	97	4.77E-05	4	27801717	INTERGENIC	G	AC097380.1	-165725	-9
rs1875718	98	4.81E-05	4	27799478	INTERGENIC	T	AC097380.1	-163486	-9
rs992289	99	4.81E-05	4	27800433	INTERGENIC	C	AC097380.1	-164441	-9
rs17067057	100	4.82E-05	6	106918735	INTERGENIC	G	Y_RNA.154	15931	-9

#### Psychological Distress

SNP	rank	P	chromosome	coordinate(annotated)	type	ancestral allele	closest gene	distance to gene (ensembl coordinates)	distance to exon boundary
rs4374821	1	1.07E-06	6	47355493	INTERGENIC	G	TNFRSF21;OTTHUMG00000014796	-77852	-9
rs9381534	2	2.88E-06	6	47313491	INTERGENIC	G	TNFRSF21;OTTHUMG00000014796	-35850	-9
rs9369675	3	3.45E-06	6	47314809	INTERGENIC	C	TNFRSF21;OTTHUMG00000014796	-37168	-9
rs9357529	4	3.61E-06	6	47317432	INTERGENIC	C	TNFRSF21;OTTHUMG00000014796	-39791	-9
rs6918220	5	3.62E-06	6	47317312	INTERGENIC	C	TNFRSF21;OTTHUMG00000014796	-39671	-9
rs3905310	6	3.73E-06	6	47318818	INTERGENIC	G	TNFRSF21;OTTHUMG00000014796	-41177	-9
rs9395248	7	3.73E-06	6	47318847	INTERGENIC	G	TNFRSF21;OTTHUMG00000014796	-41206	-9
rs10948347	8	4.01E-06	6	47311898	INTERGENIC	T	TNFRSF21;OTTHUMG00000014796	-34257	-9
rs7298903	9	5.39E-06	12	117747210	INTRONIC	T	OTTHUMG00000137376;NOS1	0	-9
rs12810591	10	7.07E-06	12	117739450	INTRONIC	T	OTTHUMG00000137376;NOS1	0	-9

rs11068438	11	7.27E-06	12	117737545	INTRONIC	A	OTTHUMG00000137376;NOS1	0	-9	
rs3825103	12	7.28E-06	12	117740509	INTRONIC	T	OTTHUMG00000137376;NOS1	0	-9	
rs12811676	13	7.29E-06	12	117741229	INTRONIC	G	OTTHUMG00000137376;NOS1	0	-9	
rs7961147	14	7.32E-06	12	117738879	INTRONIC	T	OTTHUMG00000137376;NOS1	0	-9	
rs12811583	15	7.40E-06	12	117739942	INTRONIC	C	OTTHUMG00000137376;NOS1	0	-9	
rs12485744	16	7.63E-06	3	103397769	INTERGENIC	C	OTTHUMG00000159180;RP11-628J14.2	48013	-9	
rs2274689	17	7.73E-06	9	97365542	REGULATORY_REGION;3PRIME_UTR	A	OTTHUMG00000020268;FBP1	0	-9	
rs11068444	18	7.87E-06	12	117744743	INTRONIC	A	OTTHUMG00000137376;NOS1	0	-9	
rs11068445	19	7.87E-06	12	117744929	INTRONIC	G	OTTHUMG00000137376;NOS1	0	-9	
rs5770953	20	7.88E-06	22	51062938	DOWNSTREAMT		ARSA;OTTHUMG00000150180	508	-9	
rs7310618	21	8.45E-06	12	117747306	INTRONIC	A	OTTHUMG00000137376;NOS1	0	-9	
rs7299154	22	9.13E-06	12	117747395	INTRONIC	G	OTTHUMG00000137376;NOS1	0	-9	
rs12824048	23	1.03E-05	12	117748042	INTRONIC	C	OTTHUMG00000137376;NOS1	0	-9	
rs11068447	24	1.03E-05	12	117747687	INTRONIC	T	OTTHUMG00000137376;NOS1	0	-9	
rs11068446	25	1.04E-05	12	117747614	INTRONIC	T	OTTHUMG00000137376;NOS1	0	-9	
rs10850810	26	1.04E-05	12	117747487	INTRONIC	T	OTTHUMG00000137376;NOS1	0	-9	
rs11758304	27	1.08E-05	6	72813547	INTRONIC	A	RIMS1;OTTHUMG00000015009	0	-9	
rs9658309	28	1.09E-05	12	117748304	INTRONIC	A	OTTHUMG00000137376;NOS1	0	-9	
rs12404070	29	1.13E-05	1	101682050	INTERGENIC	T	snoU13.3	12170	-9	
rs1473533	30	1.15E-05	4	90516679	WITHIN_NON_CODING_GENE	G	OTTHUMG00000161187;RP11-115D19.1	0	-9	
rs1473532	31	1.15E-05	4	90516766	WITHIN_NON_CODING_GENE	T	OTTHUMG00000161187;RP11-115D19.1	0	-9	
rs9658308	32	1.17E-05	12	117748410	INTRONIC	A	OTTHUMG00000137376;NOS1	0	-9	
rs11129117	33	1.29E-05	3	2395843	INTRONIC	T	CNTN4;OTTHUMG00000119031	0	-9	
rs8111783	34	1.33E-05	19	29890018	INTERGENIC	G	VSTM2B	-127473	-9	
rs17015895	35	1.35E-05	4	90527778	WITHIN_NON_CODING_GENE	C	OTTHUMG00000161187;RP11-115D19.1	0	-9	
rs17015896	36	1.35E-05	4	90529920	WITHIN_NON_CODING_GENE	C	OTTHUMG00000161187;RP11-115D19.1	0	-9	
rs12528112	37	1.45E-05	6	72781730	INTRONIC	A	RIMS1;OTTHUMG00000015009	0	-9	
rs17015906	38	1.48E-05	4	90541469	WITHIN_NON_CODING_GENE	C	OTTHUMG00000161187;RP11-115D19.1	0	-9	
rs17015911	39	1.49E-05	4	90541803	WITHIN_NON_CODING_GENE	A	OTTHUMG00000161187;RP11-115D19.1	0	-9	
rs11656020	40	1.52E-05	17	68999246	DOWNSTREAMA		AC005181.1	3909	-9	
rs17015916	41	1.58E-05	4	90544349	WITHIN_NON_CODING_GENE	G	OTTHUMG00000161187;RP11-115D19.1	0	-9	
rs4807336	42	1.63E-05	19	976024	WITHIN_NON_CODING_GENE	G	AC112706.1	0	-9	
rs3109315	43	1.63E-05	2	130384718	INTERGENIC	T	OTTHUMG00000153429;AC019050.1	130357	-9	
rs7139134	44	1.63E-05	12	117743766	INTRONIC	T	OTTHUMG00000137376;NOS1	0	-9	
rs6785626	45	1.70E-05	3	2400967	INTRONIC	A	CNTN4;OTTHUMG00000119031	0	-9	
rs10101650	46	1.81E-05	8	106498715	INTRONIC	T	ZFPM2;OTTHUMG00000164818	0	-9	

rs17522315	47	1.97E-05	4	168190916	INTERGENIC	T	SPOCK3;OTTHUMG00000161190	-34969	-9
rs2781333	48	2.09E-05	14	40190854	INTERGENIC	G	FBXO33;OTTHUMG00000140257	-289150	-9
rs17725217	49	2.11E-05	6	72851788	INTRONIC	G	RIMS1;OTTHUMG00000015009	0	-9
rs11756194	50	2.11E-05	6	72877052	INTRONIC	C	RIMS1;OTTHUMG00000015009	0	-9
rs12526524	51	2.13E-05	6	72885609	INTRONIC	G	RIMS1;OTTHUMG00000015009	0	-9
rs9442750	52	2.14E-05	6	72886012	INTRONIC	A	RIMS1;OTTHUMG00000015009	0	-9
rs10850809	53	2.19E-05	12	117747441	INTRONIC	G	OTTHUMG00000137376;NOS1	0	-9
rs7256832	54	2.35E-05	19	29894805	INTERGENIC	G	VSTM2B	-122686	-9
rs4793521	55	2.37E-05	17	69004522	UPSTREAM	G	AC005181.1	-1300	-9
rs9504940	56	2.51E-05	6	6823174	INTERGENIC	T	OTTHUMG00000014194;BTF3P7	-27539	-9
rs1631696	57	2.67E-05	13	60078832	INTERGENIC	G	U7.50	24566	-9
rs17824029	58	2.75E-05	17	68999856	DOWNSTREAMA	A	AC005181.1	3299	-9
rs11673246	59	2.78E-05	19	31571547	INTERGENIC	A	OTTHUMG00000150184;TSHZ3	194304	-9
rs7299221	60	2.80E-05	12	115630361	INTERGENIC	A	OTTHUMG00000158498;RP11-1028N23.1	400048	-9
rs1630944	61	2.81E-05	13	60078760	INTERGENIC	A	U7.50	24494	-9
rs9906837	62	2.88E-05	17	68994954	INTERGENIC	T	AC005181.1	8201	-9
rs3801777	63	2.89E-05	7	111421342	INTRONIC	G	DOCK4;OTTHUMG00000155077	0	-9
rs7850292	64	2.89E-05	9	110406171	INTERGENIC	A	U6.361	19250	-9
rs4671981	65	2.91E-05	2	55093859	INTRONIC	C	EML6;OTTHUMG00000152035	0	-44
rs17296897	66	2.92E-05	2	150718561	UPSTREAM	G	AC007364.1;OTTHUMG00000153746	-2856	-9
rs7692001	67	2.93E-05	4	181801052	INTERGENIC	A	RP11-460H9.1;OTTHUMG00000160705	-120861	-9
rs723975	68	2.96E-05	2	55092926	INTRONIC	G	EML6;OTTHUMG00000152035	0	-9
rs11902738	69	2.99E-05	2	150740332	INTERGENIC	T	AC007364.1;OTTHUMG00000153746	-24627	-9
rs1437940	70	3.00E-05	2	150738516	INTERGENIC	A	AC007364.1;OTTHUMG00000153746	-22811	-9
rs967618	71	3.01E-05	2	150735158	INTERGENIC	A	AC007364.1;OTTHUMG00000153746	-19453	-9
rs12984061	72	3.03E-05	19	29885279	INTERGENIC	A	VSTM2B	-132212	-9
rs1493617	73	3.07E-05	1	100270735	INTERGENIC	C	Y_RNA.400	13426	-9
rs1437949	74	3.07E-05	2	150726008	INTERGENIC	A	AC007364.1;OTTHUMG00000153746	-10303	-9
rs11651188	75	3.08E-05	17	68999392	DOWNSTREAMA	A	AC005181.1	3763	-9
rs1437960	76	3.09E-05	2	150727220	INTERGENIC	T	AC007364.1;OTTHUMG00000153746	-11515	-9
rs4293143	77	3.09E-05	11	82821382	UPSTREAM	T	RP11-113K21.2;OTTHUMG00000167014	720	-9
rs5766562	78	3.15E-05	22	45620501	INTRONIC	T	C22orf9;OTTHUMG00000151263	0	-9
rs5766560	79	3.16E-05	22	45618558	INTRONIC	T	C22orf9;OTTHUMG00000151263	0	-9
rs724566	80	3.36E-05	2	67942202	INTERGENIC	T	OTTHUMG00000152562;AC010987.5	-30993	-9
rs9626655	81	3.39E-05	22	45612551	INTRONIC	T	C22orf9;OTTHUMG00000151263	0	-9
rs2886872	82	3.44E-05	17	68998517	DOWNSTREAMG	G	AC005181.1	4638	-9



rs2469483	83	3.49E-05	11	106334777	INTERGENIC	A	OTTHUMG00000166295;RP11-680E19.2	152259	-9
rs9893736	84	3.55E-05	17	68997181	INTERGENIC	G	AC005181.1	5974	-9
rs10944512	85	3.60E-05	6	91752473	INTERGENIC	A	RP1-177110.1;OTTHUMG00000015218	347558	-9
rs10171287	86	3.65E-05	2	150729453	INTERGENIC	G	AC007364.1;OTTHUMG00000153746	-13748	-9
rs17717398	87	3.73E-05	19	29902465	INTERGENIC	G	VSTM2B	-115026	-9
rs12460899	88	3.75E-05	19	29899675	INTERGENIC	G	VSTM2B	-117816	-9
rs7854757	89	3.77E-05	9	110428218	UPSTREAM	T	U6.361	-2691	-9
rs6074298	90	3.77E-05	20	11382312	INTERGENIC	C	OTTHUMG00000031884;RPS11P1	-55809	-9
rs5766557	91	3.86E-05	22	45614893	INTRONIC	T	C22orf9;OTTHUMG00000151263	0	-9
rs5766556	92	3.88E-05	22	45614803	INTRONIC	G	C22orf9;OTTHUMG00000151263	0	-9
rs17568100	93	3.95E-05	6	72674853	INTRONIC	A	RIMS1;OTTHUMG00000015009	0	-9
rs6730118	94	4.09E-05	2	170205350	INTRONIC	A	OTTHUMG00000132179;LRP2	0	-9
rs283164	95	4.09E-05	19	22453794	INTERGENIC	N/A	ZNF729	-32639	-9
rs3770641	96	4.11E-05	2	170205126	INTRONIC	A	OTTHUMG00000132179;LRP2	0	-9
rs283168	97	4.13E-05	19	22450922	INTERGENIC	G	ZNF729	-35511	-9
rs9908572	98	4.19E-05	17	68983141	INTERGENIC	A	AC005181.1	20014	-9
rs7007987	99	4.37E-05	8	66612989	INTRONIC	T	MTFR1;OTTHUMG00000164468	0	-9
rs211230	100	4.42E-05	13	33511498	INTERGENIC	G	OTTHUMG00000016705;TOMM22P3	16697	-9