

Supplemental Table 1. Chromosomal position, allele, marker location, and minor allele frequencies (Freq) for the 22 15q25 cluster markers analyzed in 5 schizophrenia and 3 bipolar disorder European (EA) and African-American datasets. In cases where the EA and AA minor allele differ, EA minor allele is located on the left.

SNP	Chromosome position	Allele	Location	Freq EA	Freq AA
rs11636732	76641978	G	2kb upstream of CHRNA5	0.06	0.01
rs588765	76652480	T	intron, CHRNA5	0.43	0.30
rs6495306	76652948	G	intron, CHRNA5	0.43	0.32
rs569207	76660174	A	intron, CHRNA5	0.22	0.27
rs481134	76664618	T	intron, CHRNA5	0.43	0.31
rs951266	76665596	T	intron, CHRNA5	0.35	0.11
rs12903575	76668142	A	intron, CHRNA5	0.05	0.01
rs16969968	76669980	A	exon, CHRNA5, missense D->N	0.35	0.01
rs514743	76671282	T	intron, CHRNA5	0.38	0.25
rs578776	76675455	T/C	3' UTR, CHRNA3	0.27	0.49
rs1051730	76681394	T	exon, CHRNA3, synon Y->Y	0.35	0.11
rs938682	76683602	C	intron, CHRNA3	0.21	0.27
rs6495308	76694711	C	intron, CHRNA3	0.22	0.28
rs8042059	76694914	C	intron, CHRNA3	0.22	0.27
rs8040868	76698236	C	exon, CHRNA3, synon V->V	0.41	0.35
rs8192475	76698285	A	exon, CHRNA3, missense R->H	0.05	0.01
rs1878399	76699058	G	intron, CHRNA3	0.44	0.34
rs12914008	76710560	A	exon, CHRNB4, missense T-> I	0.03	0.004
rs17487223	76711042	T	intron, CHRNB4	0.37	0.12
rs950776	76713073	C	intron, CHRNB4	0.35	0.12
rs11072768	76716533	T/G	intron, CHRNB4	0.20	0.40
rs11637890	76722474	G	intron, CHRNB4	0.40	0.18

Supplemental Table 2. Schizophrenia diagnosis and 15q25 SNPs. Meta-analysis was conducted on analyses from 5 Schizophrenia datasets (not including ICCSS or ISHDF datasets), n= 6470. One SNP, rs8040868 (bolded), reached marginal significance for schizophrenia risk. Significant Q-statistic p-values are italicized.

SNP	Allele	OR	OR_L95	OR_U95	p-value	Q-statistic
rs11636732	G	1.00	0.83	1.21	0.97	0.64
rs588765	T	1.00	0.93	1.08	0.98	0.22
rs6495306	G	1.00	0.93	1.08	0.91	0.18
<i>rs569207</i>	<i>A</i>	<i>0.93</i>	<i>0.86</i>	<i>1.02</i>	<i>0.13</i>	<i>0.02</i>
rs481134	T	1.01	0.94	1.09	0.78	0.15
rs951266	T	1.02	0.94	1.11	0.61	0.32
rs12903575	A	1.02	0.85	1.24	0.81	0.50
rs16969968	A	1.03	0.94	1.13	0.49	0.74
rs514743	T	0.99	0.91	1.07	0.72	0.08
rs578776	T/C	0.94	0.87	1.02	0.16	0.16
rs1051730	T	1.02	0.94	1.11	0.68	0.36
<i>rs938682</i>	<i>C</i>	<i>0.94</i>	<i>0.86</i>	<i>1.03</i>	<i>0.17</i>	<i>0.04</i>
rs6495308	C	0.97	0.89	1.06	0.55	0.19
rs8042059	C	0.96	0.88	1.05	0.39	0.11
rs8040868	C	1.08	1.00	1.16	0.05	0.78
rs8192475	A	1.03	0.85	1.25	0.75	0.40
rs1878399	G	0.97	0.90	1.05	0.45	0.40
rs12914008	A	0.96	0.74	1.24	0.75	0.29
rs17487223	T	1.08	0.98	1.19	0.12	0.13
rs950776	C	0.99	0.91	1.08	0.81	0.19
rs11072768	T/G	0.94	0.84	1.06	0.33	0.08
<i>rs11637890</i>	<i>G</i>	<i>1.00</i>	<i>0.92</i>	<i>1.08</i>	<i>0.92</i>	<i>0.01</i>

Supplemental Table 3. Bipolar Disorder diagnosis and 15q25 SNPs. Meta-analysis was conducted on analyses from 3 Bipolar Disorder datasets, n= 6292. One SNP, rs951266 (bolded), was significantly associated with risk for bipolar disorder. The association did not survive correction for multiple testing.

SNP	Allele	OR	OR_L95	OR_U95	p-value	Q-statistic
rs11636732	G	1.00	0.85	1.18	0.99	0.57
rs588765	T	0.97	0.90	1.04	0.43	0.87
rs6495306	G	0.97	0.90	1.04	0.40	0.84
rs569207	A	0.97	0.88	1.06	0.45	0.55
rs481134	T	0.97	0.90	1.04	0.42	0.75
rs951266	T	1.10	1.02	1.18	0.02	0.56
rs12903575	A	0.95	0.81	1.12	0.55	0.52
rs16969968	A	1.05	0.97	1.13	0.23	0.83
rs514743	T	0.98	0.91	1.06	0.68	0.99
rs578776	T/C	0.96	0.89	1.05	0.38	0.81
rs1051730	T	1.05	0.97	1.13	0.24	0.87
rs938682	C	1.00	0.91	1.08	0.92	0.36
rs6495308	C	1.00	0.92	1.09	0.95	0.75
rs8042059	C	0.99	0.91	1.08	0.83	0.59
rs8040868	C	1.03	0.95	1.11	0.46	0.68
rs8192475	A	0.95	0.81	1.12	0.56	0.72
rs1878399	G	0.97	0.90	1.05	0.45	0.88
rs12914008	A	0.94	0.79	1.12	0.48	0.96
rs17487223	T	1.06	0.98	1.14	0.13	0.56
rs950776	C	0.95	0.88	1.03	0.20	0.58
rs11072768	T/G	1.04	0.95	1.15	0.35	0.25
rs11637890	G	0.94	0.88	1.02	0.13	0.57

Supplemental Table 4. Combined Schizophrenia and Bipolar Disorder 15q25 SNP analysis. A meta-analysis was conducted on results from 5 Schizophrenia and 3 Bipolar Disorder datasets (n= 12,762). Two markers, rs951266 and rs1724723 (bolded), were significantly associated with Schizophrenia and Bipolar Disorder risk in the combined analysis, but neither marker survived correction for multiple testing. The marker, rs8040868 (bolded), was marginally significant. This analysis does not include ICCSS and ISHDF datasets.

SNP	Allele	OR	OR_L95	OR_U95	p-value	Q-statistic
rs11636732	G	1.00	0.89	1.13	0.97	0.64
rs588765	T	0.98	0.93	1.04	0.56	0.64
rs6495306	G	0.99	0.94	1.04	0.60	0.56
rs569207	A	0.95	0.89	1.01	0.11	0.33
rs481134	T	0.99	0.94	1.04	0.69	0.53
rs951266	T	1.06	1.00	1.12	0.04	0.49
rs12903575	A	0.98	0.87	1.11	0.77	0.56
rs16969968	A	1.04	0.98	1.10	0.17	0.98
rs514743	T	0.99	0.93	1.04	0.59	0.88
rs578776	T/C	0.95	0.90	1.01	0.11	0.41
rs1051730	T	1.03	0.98	1.09	0.25	0.71
rs938682	C	0.97	0.91	1.03	0.31	0.16
rs6495308	C	0.99	0.93	1.05	0.64	0.67
rs8042059	C	0.98	0.92	1.04	0.45	0.48
rs8040868	C	1.05	1.00	1.11	0.06	0.63
rs8192475	A	0.98	0.87	1.11	0.81	0.58
rs1878399	G	0.97	0.92	1.02	0.29	0.80
rs12914008	A	0.95	0.82	1.09	0.45	0.87
rs17487223	T	1.07	1.01	1.13	0.03	0.66
rs950776	C	0.97	0.91	1.02	0.14	0.37
rs11072768	T/G	1.01	0.94	1.08	0.38	0.31
rs11637890	G	0.97	0.92	1.02	0.08	0.07