

Appendix

Table 11: Tier 1 sensitivity analysis

Tier 1 Sensitivity									
SNP	N	OR	95% CI (lower)	95% CI (upper)	Z	p-val	Gene	Position (Build 37)	Location
rs13238480 (C/T)	2634	0.68	0.50	0.92	-2.53	0.011377	<i>CNTNAP2</i>	7:147829268	Intron
rs2101777 (A/G)	2630	1.85	1.08	3.18	2.24	0.025247	<i>CNTNAP2</i>	7:146699636	Intron
rs10248899 (A/C)	2630	1.74	1.05	2.88	2.14	0.032664	<i>CNTNAP2</i>	7:146341974	Intron
rs12703951 (A/G)	2632	1.39	1.03	1.88	2.13	0.032845	<i>CNTNAP2</i>	7:147610602	Intron
rs12216694 (A/G)	2634	2.40	1.07	5.38	2.13	0.03306	<i>CNTNAP2</i>	7:146407539	Intron
rs10266622 (A/G)	2633	1.30	1.01	1.66	2.07	0.038726	<i>CNTNAP2</i>	7:147054833	Intron
rs7810054 (A/G)	2633	2.59	1.04	6.48	2.04	0.041786	<i>CNTNAP2</i>	7:146294039	Intron
rs802556 (A/G)	2633	1.42	1.01	1.99	2.03	0.04287	<i>CNTNAP2</i>	7:146239242	Intron
rs7777098 (C/T)	2633	2.35	1.03	5.38	2.02	0.043183	<i>CNTNAP2</i>	7:147071684	Intron
rs1013872 (C/T)	2634	1.34	1.01	1.77	2.02	0.043695	<i>CNTNAP2</i>	7:147595253	Intron

Table 12: Tier 2 sensitivity analysis

Tier 2 Sensitivity Analysis Interaction									
SNP	N	OR	95% CI (lower)	95% CI (upper)	Z	p-val	Gene	Position (Build 37)	Location
rs1020819 (G/T)	2634	0.57	0.41	0.78	-3.51	0.000442768	<i>CACNA1D</i>	3:53728686	Intron
rs2070565 (C/T)	2631	0.66	0.51	0.85	-3.23	0.001246784	<i>DNMT3L</i>	21:44261270	Intron
rs2612026 (A/G)	2634	1.64	1.21	2.24	3.15	0.001636996	<i>CACNA1D</i>	3:53742968	Intron
rs898419 (G/T)	2634	1.63	1.20	2.21	3.09	0.001969091	<i>CACNA1D</i>	3:53749758	Intron
rs4988321 (A/C/G)	2634	0.45	0.27	0.76	-3.01	0.002631543	<i>LRP5</i>	11:68406721	Missense
rs12103711 (C/T)	2634	1.80	1.23	2.65	2.99	0.002802482	<i>RARA</i>	17:40305388	Intergenic
rs12066143 (C/T)	2634	1.46	1.13	1.88	2.87	0.004162679	<i>FM03</i>	1:172845715	Intergenic
rs7373113 (A/C)	2633	1.57	1.15	2.15	2.83	0.004616593	<i>CACNA1D</i>	3:53756027	Intron
rs1020820 (C/T)	2634	1.59	1.15	2.20	2.78	0.005446547	<i>CACNA1D</i>	3:53728542	Intron
rs2715553 (C/T)	2634	0.72	0.57	0.91	-2.77	0.005637769	<i>RARA</i>	17:40340068	cSNP

Appendix

ChromHMM	chr17:38459200..38465400	Enhancers	Neurosph	Cortex derived primary cultured neurospheres	REMC
ChromHMM	chr17:38459200..38473800	Enhancers	Blood & T-cell	Primary T helper 17 cells PMA-I stimulated	REMC
ChromHMM	chr17:38459400..38460400	Enhancers	Blood & T-cell	Primary T helper cells from peripheral blood	REMC
ChromHMM	chr17:38459400..38460600	Enhancers	Brain	Brain Substantia Nigra	REMC
ChromHMM	chr17:38459400..38460600	Enhancers	HSC & B-cell	Primary hematopoietic stem cells G-CSF-mobilized Female	REMC
ChromHMM	chr17:38459400..38460800	Enhancers	HSC & B-cell	Primary hematopoietic stem cells G-CSF-mobilized Male	REMC
ChromHMM	chr17:38459400..38460800	Enhancers	Digestive	Duodenum Mucosa	REMC
ChromHMM	chr17:38459400..38460800	Enhancers	Heart	Fetal Heart	REMC

Figure 3: SNP rs2120200 and evidence of function in the substantia nigra of the brain

ChromHMM	chr17:38460600..38463000	Weak transcription	Brain	Brain Dorsolateral Prefrontal Cortex	REMC
ChromHMM	chr17:38460600..38463400	Weak transcription	Heart	Left Ventricle	REMC
ChromHMM	chr17:38460600..38463600	Weak transcription	Brain	Brain Substantia Nigra	REMC
ChromHMM	chr17:38460600..38463800	Weak transcription	Brain	Brain Cingulate Gyrus	REMC
ChromHMM	chr17:38460800..38461400	Enhancers	ENCODE	HSMM cell derived Skeletal Muscle Myotubes Cell Line	REMC
ChromHMM	chr17:38460800..38461400	Enhancers	Sm. Muscle	Stomach Smooth Muscle	REMC
ChromHMM	chr17:38460800..38461600	Enhancers	ENCODE	Osteoblast Primary Cells	REMC
ChromHMM	chr17:38460800..38461800	Enhancers	ENCODE	NHDF-Ad Adult Dermal Fibroblast Primary Cells	REMC
ChromHMM	chr17:38460800..38462400	Weak transcription	Heart	Fetal Heart	REMC

Figure 4: SNP rs36030243 and evidence of function in the substantia nigra of the brain