

Supplementary Table 7. Functional annotation categories of genes containing SNPs highly associated with antipsychotic treatment response

Study Sample	Functions Annotation	Fishers Exact p-value (unadj)	BH p-value (adj)	Genes with evidence of involvement in neuritogenesis and/or neuronal development
First Episode	neuritogenesis	2.30E-05	1.67E-03	<i>ATF6, ATP8A2, CNTNAP2, DDAH1, EPB41L3, GRID2, LAMA1, MAP2, MYO5B, NUMB, PALLD, PIP5K1B, PPP3CA, PRKCE, RNF165, THBS4, UNC13A, WWOX</i>
	development of neurons	8.42E-05	5.66E-03	
	morphogenesis of neurites	1.74E-03	5.17E-02	
CATIE Risperidone	development of neurons	2.72E-09	6.80E-07	<i>CAST, CTNNA2, CUX2, DMD, DSCAM, FGFR2, ITPR1, LRRC4C, MPZ, MYO16, NRCAM, NRG1, NRP1, NTF3, NYAP2, PRKG1, PTPRE, RIMS1, ROBO2, ROR1, RYR2, SHANK2, TIAM2, TRIM9, TRPC1, WWOX</i>
	neuritogenesis	3.53E-09	7.79E-07	
	morphogenesis of neurites	5.57E-08	6.95E-08	

BH: Benjamini-Hochberg adjustment for multiple comparisons