

S3 Table. Association results for each phenotype

Exon ^a	Ref	Val	Position (GRCh38)	Variant	ASD			SCZ			Control	
					Genotype Count ^b	Minor allele frequency	<i>P</i> value ^c	Genotype Count ^a	Minor allele frequency	<i>P</i> value ^c	Genotype Count ^a	Minor allele frequency
5' side of 23	C	G	10:53959845	c.3010-1G>C	0/0/378	0	1	0/0/1707	0	1	0/0/1909	0
16	C	T	10:54090057	p.D642N	0/0/380	0	1	0/0/1707	0	1	0/0/1905	0
12	A	G	10:54185168	p.V469A	0/0/375	0	1	0/1/1716	0.00029	0.47	0/0/1908	0
8	T	C	10:54317306	p.T281A	0/0/381	0	1	0/0/1710	0	1	0/0/1911	0
7	C	T	10:54329645	p.R219K	0/0/381	0	1	0/0/1705	0	1	0/0/1915	0
4	C	T	10:54378920	p.M60I	0/0/381	0	1	0/2/1709	0.00058	0.27	0/5/1906	0.0013