

Table 1. Genetic and Clinical Overview

CNV	Position in Mb	Number of Protein-Coding Genes	RefSeq Gene Names	miRNAs	SCZ Odds Ratio	Neuropsychiatric Disorders	Reference(s)
1q21.1 del	chr1:146,57–147,39	8	<i>PRKAB2, FMO5, CHD1L, BCL9, ACP6, GJA5, GJA8, GPR89B</i>	NA	8	ASD, ADHD, E/S, DD/ID, A	(25)
1q21.1 dup	chr1:146,57–147,39	8	<i>PRKAB2, FMO5, CHD1L, BCL9, ACP6, GJA5, GJA8, GPR89B</i>	NA	3	ASD, ADHD, DD/ID, A	(25)
<i>NRXN1</i> del	chr2:50,15–51,26	1	<i>NRXN1</i>	NA	9	ASD, E/S, DD/ID	(108,109)
3q29 del	chr3:195,75–197,36	21	<i>TFRC, ZDHH19, SLC51A, PCYT1A, TCTEX1D2, TM4SF19, UBXN7, RNF168, SMCO1, WDR53, FBXO45, NRROS, CEP19, PIGX, PAK2, SENP5, NCBP2, PIGZ, MELTF, DLG1, BDH1</i>	MIR4797	58	ASD, E/S, DD/ID, A, BD, D	(26)
7q11.23 dup	chr7:72,74–74,14	23	<i>TRIM50, FKBP6, FZD9, BAZ1B, BCL7B, MLXIPL, VPS37D, DNAJC30, WBSCR22, STX1A, ABHD11, CLDN3, CLDN4, WBSCR27, WBSCR28, ELN, LIMK1, EIF4H, LAT2, RFC2, CLIP2, GTF2IRD1, GTF11</i>	MIR590	11	ASD, ADHD, E/S, DD/ID, A	(22,110–112)
15q13.3 del	chr15:31,13–32,48	6	<i>FAN1, MTMR10, TRPM1, KLF13, OTUD7A, CHRNA7</i>	MIR211	8	ASD, ADHD, E/S, DD/ID	(113)
16p11.2 dup	chr16:29,65–30,20	26	<i>SPN, QPRT, C16orf54, ZG16, KIF22, MAZ, PRRT2, PAGR1, MVP, CDIPT, SEZ6L2, ASPHD1, KCTD13, TMEM219, TAOK2, HIRIP3, INO80E, DOC2A, FAM57B, ALDOA, PPP4C, TBX6, YPEL3, GOPD3, MAPK3, CORO1A</i>	NA	12	ASD, E/S, DD/ID	(114)
22q11.2 del	chr22:19,02–20,26	27	<i>DGCR2, DGCR11, DGCR14, TSSK2, GSC2, SLC25A1, CLTCL1, HIRA, MRPL40, UFD1L, CDC45, CLDN5, SEPT5, GP1BB, TBX1, GNB1L, c22orf29, TXNRD2, COMT, ARVCF, TANGO2, DGCR8, TRMT2A, RANBP1, ZDHHC8, CCDC188, RTN4R</i>	MIR4761, MIR185, MIR3618, MIR1306, MIR1266	>28	ASD, ADHD, E/S, DD/ID, BD, D	(64,78)

Chromosomal coordinates and odds ratios from Rees *et al.* (7) (NCBI37/hg19). Reference Sequence (RefSeq) genes within CNV regions are obtained from the UCSC genome browser. Neuropsychiatric disorders: other neuropsychiatric disorders reported in carriers.

A, anxiety disorder; ADHD, attention-deficit/hyperactivity disorder; ASD, autism spectrum disorder; BD, bipolar disorder; CNV, copy number variant; D, depression; DD/ID, developmental delay/intellectual disability; del, deletion; dup, duplication; E/S, epilepsy/seizures; miRNA, microRNA; NA, not applicable; SCZ, schizophrenia.