

**Table S2.** Genes derived from EWAS for MDD (EWAS), in convergence with GWAS for case-control studies of MDD (GWASM) and GWES for MDD (GWESM) to find genes mutated in neuropsychiatric disorders (GMN), genes enriched in astrocytes (GAC) and genes enriched in oligodendrocytes (GOL).

Gene	Evidence
COL4A2	EWAS, GWASM, GMN
FAM107B	EWAS, GWESM, GOL
IL17RD	GWASM, GWESM, GAC
PIEZO2	GWASM, GWESM, GOL
RELN	GWASM, GWESM, GMN
SMARCA2	GWASM, GWESM, GMN
TNS3	EWAS, GWESM, GAC