



## Express Gene™ Autism Spectrum Disorders (ASD) Panel

List of 167 genes covered in the panel:

ADNP, AHSG, ALDH5A1, ANK3, ANKRD11, AP1S2, ARHGEF6, ARX, ATP10A, ATP8A2, ATRX, AUTS2, AVPR1A, BCL11A, BDNF, BRAF, BRSK2, C18orf1, CA8, CACNA1C, CAMTA1, CASK, CDKL5, CHD7, CHD8, CIC, CNNM2, CNOT3, CNTNAP2, CNTNAP5, CREBBP, CSNK2A1, DHCR7, DLGAP2, DMD, DOCK4, DPP10, DPP6, DPYD, EHMT1, EIF4E, ELOVL4, FAAH2, FGD1, FGFR2, FKR, FKTN, FMR1, FOLR1, FOXP1, FOXP2, GABRB3, GABRG1, GMPA, GNA14, GRIN2A, GRIN2B, GRPR, GSPT2, HDAC4, HEPACAM, HOXA1, HPRT1, HUWE1, IGBP1, IGF1, IL1RAPL1, IMMP2L, KATNAL2, KCNK9, KCTD13, KDM5C, KIF11, KIRREL3, KLHL3, KMT5B, L1CAM, LAMC3, LARGE1, MBD5, MECP2, MED12, MEF2C, MEIS2, MET, MID1, NEGR1, NF1, NHS, NIPBL, NLGN1, NLGN3, NLGN4, NLGN4X, NRXN1, NSD1, NSDHL, NTNG1, OCRL, OPHN1, PAFAH1B1, PCDH19, PCDH9, PDE10A, PDE4D, PGAP2, PGAP3, PHF6, PIGO, PIGV, PIGW, PIGY, PIP5K1B, PNKP, POMGNT1, POMT1, POMT2, PON3, PQBP1, PTCHD1, PTEN, PTPN11, RAB39B, RAI1, RBFOX1, RELN, RORA, RPL10, RPS6KA3, RTN4IP1, SATB2, SCN1A, SCN2A, SHANK2, SHANK3, SLC16A2, SLC35A3, SLC6A4, SLC9A6, SLC9A9, SMC1A, SMG6, SNRPN, SOX5, SPAST, SPATA5, SRPX2, ST7, STK3, SYNGAP1, TBR1, TCF4, TMCO1, TMLHE, TRRAP, TSC1, TSC2, UBE3A, VLDLR, VPS13B, WDR81, YAP1, ZEB2, ZNF507, ZNF804A, ZNHIT6

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| <b>Website</b> <a href="http://www.revivegenetics.us">www.revivegenetics.us</a><br><b>Email</b> <a href="mailto:info@revivegenetics.us">info@revivegenetics.us</a> | <b>Address</b><br>9000 SW 152 <sup>nd</sup> St Suite107, Palmetto Bay, FL<br>33157 | <b>Lab Director</b><br>Uzma Farooq, MD | <b>Phone Number</b><br>786-250-3419 |
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