EPIDASD|599

Epilepsy | **I**ntellectual **D**isability | **A**utism **S**pectrum **D**isorder

Targeted Virtual Panels Extracted from Whole Exome Data

ACSL4, ACTB, ACTG1, ACTL6B, ACY1, ADAT3, ADCY5, ADGRG1, ADNP, ADRA2B, ADSL, AFF2, AFF3, AGA, AGO1, AGTR2, AHI1, AKT3, ALDH18A1, ALDH3A2, ALDH5A1, ALDH7A1, ALG1, ALG12, ALG13, ALG3, ALG6, AMT, ANK3, ANKH, ANKRD11, ANOS1, AP1S2, AP2M1, AP4B1, AP4E1, AP4M1, AP4S1, ARFGEF2, ARHGEF6, ARHGEF9, ARID1A, ARID1B, ARSA, ARV1, ASAH1, ASH1L, ASL, ASPA, ASPM, ASS1, ASTN1, ASXL3, ATN1, ATP1A2, ATP1A3, ATP6AP2, ATP6V1A, ATP7A, ATP7B, ATP9A, ATR, ATRX, AUTS2, B3GLCT, BCKDHA, BCKDHB, BCKDK, BCOR, BPTF, BRWD3, BTD, C12orf57, CA8, CACNA1A, CACNA1C, CACNA1D, CACNA1E, CACNA1G, CACNB4, CACNG2, CAMK2A, CAMK2B, CAMTA1, CASK, CASR, CBS, CC2D1A, CCDC22, CDH15, CDK5RAP2, CDK6, CDKL5, CENPJ, CEP152, CERS1, CERS2, CHAMP1, CHD2, CHD7, CHD8, CHRNA2, CHRNA4, CHRNB2, CLCN2, CLCN4, CLIC2, CLIP1, CLN3, CLN5, CLN6, CLN8, CLTC, CNKSR1, CNKSR2, CNOT3, CNTNAP2, COG5, COL4A1, COL4A3BP, COL6A2, CPS1, CRADD, CRBN, CREBBP, CSTB, CTNNB1, CTSF, CUL4B, CUX1, CUX2, CYP27A1, CYP2U1, D2HGDH, DBT, DCX, DDHD2, DDX3X, DEAF1, DEPDC5, DHCR7, DHDDS, DIP2B, DKC1, DLAT, DLD, DLG2, DLG3, DMD, DNM1, DNM3, DNMT3A, DOCK3, DOCK7, DOCK8, DPAGT1, DPM1, DSCAM, DYNC1H1, DYRK1A, EEF1A2, EFTUD2, EHMT1, EIF2B1, EIF2B2, EIF2B3, EIF2B4, EIF2B5, EIF2S3, EIF4E, ELP2, EN2, EP300, EPB41L1, EPG5, EPM2A, ERLIN2, ERMARD, EZR, FBXL3, FBXO31, FGD1, FLNA, FMN2, FMR1, FOLR1, FOXG1, FOXP1, FOXP2, FRMPD4, FTCD, FTSJ1, FUCA1, GABBR1, GABBR2, GABRA1, GABRA3, GABRA5, GABRB2, GABRB3, GABRD, GABRG2, GALNT2, GALT, GAMT, GATAD2B, GATM, GBA, GCDH, GCH1, GCSH, GDI1, GK, GLDC, GLRA1, GLRB, GLUD1, GNAO1, GOSR2, GPAA1, GPC3, GRIA3, GRID2, GRIK2, GRIN1, GRIN2A, GRIN2B, GRIN3A, GRIN3B, GRIP1, GUSB, HACE1, HAL, HCCS, HCFC1, HCN1, HDAC4, HDAC8, HEPACAM, HESX1, HEXA, HGSNAT, HIVEP2, HNRNPU, HOXA1, HPRT1, HRAS, HSD17B10, HUWE1, IDH2, IDS, IDUA, IER3IP1, IGBP1, IGF1, IGF1R, IL1RAPL1, IQSEC2, IRF2BPL, ITPA, ITPR1, IVD, KANSL1, KARS, KAT6B, KCNA1, KCNA2, KCNB1, KCNC1, KCND2, KCNH1, KCNH5, KCNH8, KCNJ10, KCNK9, KCNMA1, KCNQ2, KCNQ3, KCNQ5, KCNT1, KCNT2, KCTD7, KDM5C, KDM6A, KIAA2022, KIF11, KIF1A, KIF2A, KIF4A, KIF5C, KIRREL3, KLF8, KLHL15, KMT2A, KMT2C, KMT2D, KMT2E, L1CAM, LAGE3, LAMA1, LAMC3, LAMP2, LARS2, LAS1L, LGI1, LINS1, LRP1, LRP2, LRP4, LSS, MAGT1, MAN1B1, MAN2B1, MANBA, MAOA, MAP2K1, MAPK8IP1, MAPK8IP2, MAPK8IP3, MBD5, MBOAT7, MBTPS2, MCPH1, MECP2, MED12, MED13L, MED17, MED23, MEF2C, MFSD8, MICU1, MID1, MID2, MMACHC, MOCS1, MOCS2, MPC1, MPI, MTHFR, MTOR, MTR, MT-TL1, MUT, MYCN, MYT1L, NAA10, NAA15, NAGLU, NBEA, NDE1, NDP, NDST1, NDUFA1, NECAP1, NEDD4L, NF1, NFIX, NHLRC1, NHS, NIPBL, NLGN3, NLGN4X, NPC1, NPC2, NPRL2, NPRL3, NRXN1, NRXN2, NSD1, NSDHL, NSUN2, NTNG1, NTRK2, NUS1, OCRL, OFD1, OGT, OPHN1, OSGEP, OTC, OTUD6B, P4HTM, PACS1, PACS2, PAFAH1B1, PAH, PAK3, PANK2, PAX6, PCCA, PCCB, PCDH19, PCNT, PDHA1, PDHB, PDHX, PDP1, PEX1, PEX12, PEX16, PEX6, PEX7, PGAP1, PGAP2, PGAP3, PHF6, PHF8, PHGDH, PHIP, PIGA, PIGG, PIGL, PIGM, PIGN, PIGO, PIGP, PIGQ, PIGT, PIGV, PIGW, PIGX, PIGY, PIK3CA, PLCB1, PLP1, PMM2, PMPCB, PNKP, PNPO, POGZ, POLG, POMGNT1, PORCN, POU1F1, PPM1D, PPP2R5D, PPP3CA, PPT1, PQBP1, PRICKLE1, PRICKLE2, PRKRA, PRODH, PROSC, PRPS1, PRRT2, PRSS12, PSAP, PTCHD1, PTEN, PTPN11, PTS, PURA, QARS, QRICH1, RAB11A, RAB39B, RAI1, RBM10, RELN, RFC1, RHOBTB2, RLIM, RNF135, RORA, RORB, RPL10, RPS6KA3, SATB2, SCARB2, SCN1A, SCN1B, SCN2A, SCN3A, SCN8A, SERAC1, SERPINI1, SETBP1, SETD2, SETD5, SGSH, SHANK1, SHANK2, SHANK3, SHH, SHROOM4, SIX3, SKI, SLC12A5, SLC13A5, SLC16A2, SLC17A5, SLC1A1, SLC1A2, SLC25A13, SLC25A15, SLC25A22, SLC2A1, SLC35A2, SLC35A3, SLC35C1, SLC46A1, SLC6A1, SLC6A4, SLC6A5, SLC6A8, SLC9A6, SMARCA2, SMARCA4, SMARCB1, SMARCE1, SMC1A, SMC3, SMS, SNAP25, SOBP, SON, SOX11, SOX5, SPAST, SPTAN1, SRCAP, SRD5A3, ST3GAL3, ST3GAL5, STAMBP, STIL, STX1A, STX1B, STXBP1, SYNE1, SYNGAP1, SYP, SYT1, TAF1, TAF2, TANGO2, TBC1D24, TBL1XR1, TBR1, TBX1, TCF4, TECR, TGIF1, TIMM8A, TMLHE, TNK2, TP53RK, TPP1, TPRKB, TRAPPC9, TREX1, TRIO, TRIP12, TRRAP, TSC1, TSC2, TSPAN7, TTI2, TUBA1A, TUBA8, TUBB2B, TUBB3, TUBG1, TUSC3, UBE2A, UBE3A, UBE3B, UBR1, UGDH, UNC80, UPB1, UPF3B, UROC1, USP27X, USP9X, VAMP2, VARS, VCP, VLDLR, VPS13B, WASHC4, WDFY3, WDR45, WDR62, WWOX, YWHAG, ZBTB18, ZBTB20, ZC3H14, ZDHHC15, ZDHHC9, ZEB2, ZIC2, ZMYM3, ZMYND11, ZNF41, ZNF711, ZSWIM6

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