

✓ Primary panel  
241 genes selected

|           |            |           |               |
|-----------|------------|-----------|---------------|
| ✓ ACTB    | ✓ ACTG1    | ✓ ADNP    | ✓ ADSL        |
| ✓ AGA     | ✓ AHDC1    | ✓ ALDH5A1 | ✓ ALDH7A1     |
| ✓ AMER1   | ✓ ANKRD11  | ✓ API52   | ✓ ARG1        |
| ✓ ARID1A  | ✓ ARID1B   | ✓ ARSA    | ✓ ARX         |
| ✓ ASNS    | ✓ ASXL1    | ✓ ATP1A3  | ✓ ATP7A       |
| ✓ ATRX    | ✓ AUTS2    | ✓ BCAP31  | ✓ BRAF        |
| ✓ BRAT1   | ✓ BRD4     | ✓ BRWD3   | ✓ CACNA1A     |
| ✓ CACNA1E | ✓ CAMK2B   | ✓ CASK    | ✓ CBL         |
| ✓ CC2D2A  | ✓ CDK13    | ✓ CDKL5   | ✓ CHD2        |
| ✓ CHD7    | ✓ CHD8     | ✓ CLCN4   | ✓ CLN2 (TPP1) |
| ✓ CLN3    | ✓ CLN5     | ✓ CLN6    | ✓ CLTC        |
| ✓ CNTNAP2 | ✓ COL4A1   | ✓ CREBBP  | ✓ CTNNB1      |
| ✓ CUL3    | ✓ DDC      | ✓ DDX3X   | ✓ DEAF1       |
| ✓ DHCR7   | ✓ DNM1L    | ✓ DNMT3A  | ✓ DOCK6       |
| ✓ DPF2    | ✓ DYNC1H1  | ✓ DYRK1A  | ✓ EEF1A2      |
| ✓ EFTUD2  | ✓ EHMT1    | ✓ EP300   | ✓ EZH2        |
| ✓ FGD1    | ✓ FOLR1    | ✓ FOXP1   | ✓ FOXP1       |
| ✓ GABBR2  | ✓ GABRB3   | ✓ GABRG2  | ✓ GALC        |
| ✓ GAMT    | ✓ GATAD2B  | ✓ GATM    | ✓ GLB1        |
| ✓ GM2A    | ✓ GNAO1    | ✓ GNAS    | ✓ GNS         |
| ✓ GPC3    | ✓ GRIA3    | ✓ GRIN1   | ✓ GRIN2A      |
| ✓ GRIN2B  | ✓ HDAC8    | ✓ HEXA    | ✓ HEXB        |
| ✓ HGSNAT  | ✓ HIVEP2   | ✓ HNRNPK  | ✓ HNRNPU      |
| ✓ HRAS    | ✓ HUWE1    | ✓ IDS     | ✓ IDUA        |
| ✓ IGF1R   | ✓ IL1RAPL1 | ✓ IQSEC2  | ✓ ITPR1       |
| ✓ KANSL1  | ✓ KAT6A    | ✓ KAT6B   | ✓ KCNA2       |
| ✓ KCNB1   | ✓ KCNH1    | ✓ KCNQ2   | ✓ KCNT1       |
| ✓ KDM5C   | ✓ KDM6A    | ✓ KIF1A   | ✓ KMT2A       |
| ✓ KMT2B   | ✓ KMT2D    | ✓ KMT2E   | ✓ KRAS        |
| ✓ LICAM   | ✓ LZTR1    | ✓ MAGEL2  | ✓ MAN1B1      |
| ✓ MAP2K1  | ✓ MAP2K2   | ✓ MBD5    | ✓ MECP2       |
| ✓ MED12   | ✓ MED13L   | ✓ MEF2C   | ✓ MFSD8       |
| ✓ MID1    | ✓ MTOR     | ✓ NAA10   | ✓ NAA15       |
| ✓ NAGLU   | ✓ NALCN    | ✓ NEXMIF  | ✓ NF1         |
| ✓ NFIA    | ✓ NFIX     | ✓ NGLY1   | ✓ NHS         |
| ✓ NIPBL   | ✓ NONO     | ✓ NPC1    | ✓ NR2F1       |
| ✓ NRAS    | ✓ NRXN1    | ✓ NSD1    | ✓ NSUN2       |
| ✓ OCRL    | ✓ OPHN1    | ✓ OTC     | ✓ PACS1       |
| ✓ PACS2   | ✓ PAH      | ✓ PCBD1   | ✓ PCDH19      |
| ✓ PDHA1   | ✓ PGAP3    | ✓ PHF21A  | ✓ PHF6        |
| ✓ PHIP    | ✓ PLA2G6   | ✓ PMM2    | ✓ POLG        |
| ✓ PPM1D   | ✓ PPP1CB   | ✓ PPP2R1A | ✓ PPP2R5D     |
| ✓ PPP3CA  | ✓ PPT1     | ✓ PQBP1   | ✓ PTEN        |
| ✓ PTPN11  | ✓ PTS      | ✓ PURA    | ✓ QDPR        |
| ✓ RAD21   | ✓ RAF1     | ✓ RAI1    | ✓ RBM10       |
| ✓ RIT1    | ✓ RPS6KA3  | ✓ SATB2   | ✓ SCN1A       |
| ✓ SCN1B   | ✓ SCN2A    | ✓ SCN3A   | ✓ SCN8A       |
| ✓ SETBP1  | ✓ SETD5    | ✓ SGSH    | ✓ SHOC2       |
| ✓ SIN3A   | ✓ SLC13A5  | ✓ SLC16A2 | ✓ SLC2A1      |
| ✓ SLC6A1  | ✓ SLC6A8   | ✓ SLC9A6  | ✓ SMARCA2     |
| ✓ SMARCA4 | ✓ SMARCB1  | ✓ SMARCE1 | ✓ SMC1A       |
| ✓ SMC3    | ✓ SON      | ✓ SOS1    | ✓ SOS2        |
| ✓ SOX11   | ✓ SPAST    | ✓ SPATA5  | ✓ SPTAN1      |
| ✓ STAG1   | ✓ STXBP1   | ✓ SURF1   | ✓ SYNGAP1     |
| ✓ TAF1    | ✓ TBCK     | ✓ TBL1XR1 | ✓ TCF20       |
| ✓ TCF4    | ✓ TELO2    | ✓ TRAPPC9 | ✓ TRRAP       |
| ✓ TSC1    | ✓ TSC2     | ✓ TUBA1A  | ✓ UBE3A       |
| ✓ UNC80   | ✓ USP9X    | ✓ VPS13B  | ✓ WDR45       |
| ✓ WWOX    | ✓ ZBTB18   | ✓ ZBTB20  | ✓ ZC4H2       |
| ✓ ZDHHC9  | ✓ ZEB2     | ✓ ZIC2    | ✓ ZMIZ1       |
| ✓ ZMYND11 |            |           |               |