strand center
FOR GENOMICS & PERSONALIZED MEDICINE

Strand Neurocognitive Test

Strand Neurocognitive test includes 333 genes associated with inherited neurological disorders

STRAND NEUROCOGNITIVE TEST

AARS2, ABCD1, ACOX1, ACSL4, ADAR, ADNP, ADSL, AFF2, AGTR2, AHI1, AIMP1, ANK3, ANKRD11, AP1S1, AP1S2, ARFGEF2, ARHGEF6, ARID1A*, ARL13B, ARSA, ASPA, ATP10A, ATP6AP2, ATP7A*, ATP8A2, ATRX, AUTS2, BCAP31, BCOR, BRWD3, C12orf57*, CA8, CACNA1A, CACNA1C, CACNG2, CAMTA1, CASK*, CBS, CC2D1A, CC2D2A, CDH15, CDKL5, CEP290, CEP41, CHD2, CHKB, CIC, CLIC2*, CLN5*, CLN6, CLN8, CNNM2, CNTN4, CNTNAP2, CRADD, CRBN, CREBBP, CSF1R, CTC1, CTNNB1, CUL4B, CYP27A1, DARS2, DCAF17, DCX, DEAF1*, DHCR7, DIP2B, DLG3*, DMD, DOCK8, DPP6*, DYNC1H1, DYRK1A, EFHC2, EFTUD2, EHMT1, EIF2B1, EIF2B2, EIF2B3*, EIF2B4, EIF2B5, ELK1, ELOVL4, ELP2, ENTPD1, EP300, EPB41L1, ERCC8, ESCO2*, FA2H*, FAM126A, FGD1*, FGFR2*, FKRP*, FKTN, FLNA, FMR1*, FOXP1, FOXRED1, FTSJ1, GABRA5, GABRB3, GALC, GATM, GDI1*, GFAP*, GPC3*, GRIA3, GRIK2, GRIN1, GRIN2A, GRIN2B, GRM1, GRPR, HDAC4, HDAC8, HEPACAM, HERC2, HOXA1*, HPRT1*, HSD17B10, HSD17B4, HSPD1, HTRA1*, HUWE1, IDS*, IFIH1, IGBP1, IGF1, IL1RAPL1, INPP5E*, IQSEC2*, IRX5*, ISPD*, ITGB3*, KAT6B, KATNAL2, KCND2, KCNJ10, KCNK9, KDM5C, KIAA1033, KIAA2022, KIF11, KIF1A, KIF7*, KIRREL3, L1CAM, LAMA1, LAMB1, LAMP2, LARGE, LMNB1, MAGT1, MAN1B1, MAOA, MBD1, MBD5, MBTPS2, MCPH1, MECP2*, MED12, MED23, MEF2C, MET, MFSD8, MGAT2*, MLC1, MTHFR, NDP, NDST1, NDUFA1, NDUFA11*, NDUFAF1*, NDUFAF2, NDUFAF4, NDUFAF5, NDUFB3*, NDUFB9, NDUFS1, NDUFS2, NDUFS3, NDUFS4, NDUFV1, NDUFV2, NIPBL, NLGN3*, NLGN4X, NOTCH3*, NRXN1, NRXN2*, NSD1, NSDHL, NSUN2, NTNG1, NUBPL, NXF5, OCRL, OFD1*, OMG, OPHN1*, OTC, PAFAH1B1, PAK3, PAX6, PCDH19, PDHA1, PDHX*, PEX1*, PEX10*, PEX11B, PEX12, PEX13, PEX14, PEX16, PEX19, PEX2, PEX26*, PEX3, PEX5, PEX6*, PEX7, PGK1, PHF6, PHF8, PHYH, PIGL, PIGO, PIGV, PLP1, POGZ, POLG, POLR1C, POLR3A, POLR3B, POMGNT1, POMT1, POMT2, PORCN, POU1F1, PPP2R1A, PPT1, PQBP1, PRPS1, PRSS12, PSAP, PTCHD1, #PTEN, RAB39B*, RAB3GAP2, RAB40AL, RAD21, RBBP8, RBFOX1, RELN, RNASEH2A, RNASEH2B*, RNASEH2C*, RNASET2, RPGRIP1L, RPS6KA3, SAMHD1, SATB2, SCN2A, SCP2, SDHA*, SETD2, SHROOM4, SIL1, SLC16A1*, SLC16A2, SLC25A12, SLC2A1, SLC4A4, SLC6A4, SLC9A6, SMARCA2, SMARCA4, SMARCB1, SMC1A, SMC3, SMS, SOBP*, SOX10*, SRD5A3, SRPX2, ST3GAL3, STXBP1, SUMF1, SYNGAP1, SYP, TAF2, TBC1D24, TBCE, TCF4, TCTN1, TCTN2, TECR, TMCO1, TMEM138, TMEM216, TMEM237, TMEM67, TMLHE, TRAPPC9, TREX1*, #TSC1, #TSC2, TSPAN7, TTC21B, TTI2, TUBA1A*, TUSC3, TYMP, TYROBP, UBE2A, UBE3A, UPF3B*, USP9X, VLDLR, WDR81, WWOX, ZBTB16*, ZCCHC12*, ZDHHC15, ZDHHC9, ZEB2, ZMYND11, ZNF41, ZNF674, ZNF711, ZNF81**

**Genes having 85%-95% coverage. All other genes have >95% coverage in this test.*
#Genes recommended by ACMG (American College of Medical Genetics and Genomics).
Disclaimer: Gene coverage varies from sample to sample in the NGS runs.