



Seznam genů zahrnutých ve virtuálním panelu – Spastická parapareza a poruchy hybnosti (FocusedExome)

Virtuální panel zahrnuje analýzu 369 genů:

AAAS, AASS, ABAT, ABCB7, ABCD1, ACAD9, ACADM, ACADVL, ACOX1, ACSF3, ACTA1, ACTB, ACTN2, ADAR, ADCY5, AFG3L2, AGL, AIMP1, ALDH18A1, ALDH3A2, ALDOA, ALS2, AMPD1, ANO10, ANO3, ANO5, AP1S2, AP4B1, AP4E1, AP4M1, AP4S1, AP5Z1, APTX, AR, ARG1, ARSA, ARX, ASCC3, ATCAY, ATL1, ATM, ATP13A2, ATP1A2, ATP1A3, ATP2A1, ATP5G3, ATP7B, ATXN1, ATXN10, ATXN2, ATXN3, ATXN7, AUH, B4GALNT1, BCAP31, BCS1L, BIN1, BSCL2, C12orf65, C19orf12, CA8, CACNA1A, CACNA1G, CACNA1S, CACNB4, CAMK4, CAV3, CCDC78, CDK16, CFL2, CIZ1, CLCN1, CLN3, CLN5, CLN8, CNTN1, COASY, COL12A1, COL6A1, COL6A2, COL6A3, COQ4, COX10, COX15, COX20, CP, CPT2, CSF1R, CSTB, CTNBN1, CTSD, CYP27A1, CYP2U1, CYP7B1, DARS, DCAF17, DCTN1, DDC, DDHD1, DDHD2, DGUOK, DHDDS, DHX16, DLAT, DLD, DMD, DMPK, DNAJC5, DNAJC6, DNM2, DOK7, DSTYK, DYSF, ECEL1, ECHS1, EIF4G1, ELOVL4, ENO3, ENTPD1, EPG5, ERLIN2, ETFA, ETFB, ETFDH, EXOSC3, FA2H, FARS2, FBXO7, FGF14, FKBP14, FKRP, FLNC, FOLR1, FOXG1, FOXRED1, FTL, FUCA1, FXN, GAA, GAD1, GALC, GBA, GBA2, GBE1, GCDH, GFAP, GFER, GCH1, GJA1, GJC2, GLB1, GLRA1, GLRB, GLRX5, GM2A, GMPPB, GNAL, GNAO1, GRID2, GRIN1, GRM1, GRN, GYG1, GYS1, HACE1, HADHA, HADHB, HCFC1, HEXA, HIBCH, HNRNPA2B1, HNRNPH1, HPRT1, HSPD1, HTRA2, HTT, CHKB, CHMP2B, IBA57, IFIH1, IMPDH2, ISCU, ITPR1, KBTBD13, KCNA1, KCNC3, KCND3, KCNJ2, KCNMA1, KCNQ2, KDM5C, KIF1A, KIF1C, KIF5A, KLHL40, KLHL41, L1CAM, L2HGDH, LAMP2, LDHA, LMNA, LPIN1, LRPPRC, LRRK2, LYST, MAG, MAPT, MARS2, MEGF10, MTFMT, MTM1, MTMR14, MTPAP, MYBPC1, MYBPC3, MYH2, MYH3, MYH7, MYL2, MYO18B, MYPN, NDUFA1, NDUFA10, NDUFA12, NDUFA2, NDUFAF5, NDUFAF6, NDUFS1, NDUFS4, NDUFS7, NDUFS8, NDUFV1, NEB, NEFL, NIPA1, NKX2-1, NPC1, NPC2, OBSCN, OCLN, OPA3, ORAI1, PANK2, PARK7, PAX7, PCCA, PCCB, PDE10A, PDGFB, PDGFRB, PDHA1, PDHX, PDYN, PET100, PFKM, PGAM2, PGK1, PGM1, PHKA1, PHKB, PIEZO2, PINK1, PLA2G6, PLP1, PNKD, PNKP, PNPLA6, PNPT1, POLG, POLG2, POLR3A, PPP2R2B, PPP2R5D, PRKAG2, PRKCG, PRKRA, PRNP, PRRT2, PSEN1, PTS, PYGM, QDPR, RAB39B, RBCK1, REEP1, REEP2, RNASEH2A, RNASEH2B, RNASEH2C, RNASET2, RNF216, RRM2B, RTN2, RYR1, RYR3, SACS, SAMHD1, SARS2, SCN1A, SCN4A, SCN8A, SERAC1, SETX, SGCA, SGCE, SIL1, SLC16A2, SLC19A3, SLC1A3, SLC20A2, SLC22A5, SLC25A15, SLC25A4, SLC25A42, SLC25A46, SLC2A1, SLC30A10, SLC33A1, SLC6A3, SLC6A5, SNCA, SNX14, SPAST, SPG11, SPG21, SPG7, SPR, SPTAN1, STIM1, SUCLA2, SUOX, SURF1, SYNJ1, TAF1, TARS2, TBK1, TBP, TECPR2, TFG, TGM6, TH, THAP1, TIMM8A, TK2, TNNI2, TNNT1, TNNT3, TOR1A, TPK1, TPM2, TPM3, TPP1, TRDN, TREX1, TTBK2, TTN, TUBB4A, UCHL1, VAMP1, VMA21, VPS13A, VPS35, VPS37A, WDR45, WDR45B, WFS1, WWOX, YY1, ZFYVE26