

## EXPLORATION DES PARAPARESIES SPASTIQUES

Liste des gènes analysés en NGS au 31/07/2019

AAAS, ACO2, ADAR, ADD3, AFG3L2, ALDH18A1, ALDH3A2, ALS2, AMPD2, AP4B1, AP4E1, AP4M1, AP4S1, AP5Z1, ARG1, ARL6IP1, ARSA, ARSI, ARX, ATL1, ATP13A2, ATP2B4, ATP6AP2, ATRX, B4GALNT1, BICD2, BSCL2, C12ORF65, C19ORF12, CAPN1, CCT5, CFAP44, CHP1, COASY, CPT1C, CRAT, CYP27A1, CYP2U1, CYP7B1, DARS, DDHD1, DDHD2, DNMT1, DNMT2, DSTYK, ELOVL4, ENTPD1, EPT1, ERLIN1, ERLIN2, EXOSC3, FA2H, FAM134B, FARS2, FBXO7, FLRT1, FTL, FXN, GAD1, GALC, GBA2, GFAP, GJA1, GJC2, GLRX5, GRIA4, GRID2, GSN, HACE1, HSPD1, IBA57, IDUA, IFIH1, ITM2B, KANK1, KCNA2, KDM5C, KIAA0196, KIDINS220, KIF1A, KIF1C, KIF5A, KLC2, KLC4, KTM2B, L1CAM, LYST, MAG, MARS, MARS2, MECP2, MTHFR, MTPAP, NIPA1, NKX6-2, NT5C2, OPA1, PAH, PANK2, PGAP1, PLA2G6, PLP1, PNPLA6, PRUNE, RAB3GAP2, REEP1, REEP2, REPS1, RNASEH2B, RNF170, RTN2, SACS, SERAC1, SETX, SLC1A4, SLC16A2, SLC25A15, SLC2A1, SLC30A10, SLC33A1, SOX10, SPAST, SPG11, SPG20, SPG21, SPG7, TBCE, TECPR2, TFG, TPP1, TTC19, TUBB4A, UBAP1, UCHL1, USP8, UTP18, VAMP1, VCP, VPS37A, WDR45, WDR45B, WDR48, WDR49, WWOX, ZFR, ZFYVE26, ZFYVE27