

Gene	Alias	% of coding sequence sufficiently covered to detect heterozygous mutations	panel
AAAS		100%	Spastic paraplegia
ABCD1		100%	Spastic paraplegia
ABHD12		100%	Spastic paraplegia
ABHD16A		100%	Spastic paraplegia
ACER3		96%	Spastic paraplegia
ACO2		100%	Spastic paraplegia
ADAR		100%	Spastic paraplegia
AFG3L2		100%	Spastic paraplegia
AHI1		100%	Spastic paraplegia
AIMP1		100%	Spastic paraplegia
ALDH3A2		100%	Spastic paraplegia
ALDH18A1		100%	Spastic paraplegia
ALS2		100%	Spastic paraplegia
AMPD2		100%	Spastic paraplegia
ANO10		100%	Spastic paraplegia
AP4B1		100%	Spastic paraplegia
AP4E1		100%	Spastic paraplegia
AP4M1		100%	Spastic paraplegia
AP4S1		100%	Spastic paraplegia
AP5Z1		100%	Spastic paraplegia
AP006333.1	FRLT1	100%	Spastic paraplegia
APTX		100%	Spastic paraplegia
ARG1		100%	Spastic paraplegia
ARL6IP1		100%	Spastic paraplegia
ARSA		100%	Spastic paraplegia
ARSI		100%	Spastic paraplegia
ATAD3A		100%	Spastic paraplegia
ATL1		100%	Spastic paraplegia
ATL3		98%	Spastic paraplegia
ATM		100%	Spastic paraplegia
ATP1A1		100%	Spastic paraplegia
ATP1A2		100%	Spastic paraplegia
ATP2B4		100%	Spastic paraplegia
ATP8A2		99%	Spastic paraplegia
ATP13A2		100%	Spastic paraplegia
ATRX		100%	Spastic paraplegia
AUH		100%	Spastic paraplegia
B4GALNT1		100%	Spastic paraplegia
BCAS3		100%	Spastic paraplegia
BICD2		100%	Spastic paraplegia
BSCL2		100%	Spastic paraplegia
BTD		100%	Spastic paraplegia
C12orf65		100%	Spastic paraplegia
C19orf12		100%	Spastic paraplegia
CACNA1A		100%	Spastic paraplegia
CACNA1G		100%	Spastic paraplegia
CAPN1		100%	Spastic paraplegia

CASK		100%	Spastic paraplegia
CCDC88C		100%	Spastic paraplegia
CCT5		100%	Spastic paraplegia
CHMP3		100%	Spastic paraplegia
CHP1		100%	Spastic paraplegia
CLCN2		100%	Spastic paraplegia
CLN5		100%	Spastic paraplegia
COASY		100%	Spastic paraplegia
COQ4		100%	Spastic paraplegia
COQ7		100%	Spastic paraplegia
CPT1C		100%	Spastic paraplegia
CTNNB1		100%	Spastic paraplegia
CYP2U1		100%	Spastic paraplegia
CYP7B1		100%	Spastic paraplegia
CYP27A1		100%	Spastic paraplegia
DARS1		100%	Spastic paraplegia
DARS2		100%	Spastic paraplegia
DDHD1		100%	Spastic paraplegia
DDHD2		100%	Spastic paraplegia
DNM2		100%	Spastic paraplegia
DNMT1		99%	Spastic paraplegia
DSTYK		100%	Spastic paraplegia
ELOVL1		100%	Spastic paraplegia
ELOVL4		100%	Spastic paraplegia
ELOVL5		100%	Spastic paraplegia
ELP2		100%	Spastic paraplegia
ENTPD1		100%	Spastic paraplegia
ERLIN1		100%	Spastic paraplegia
ERLIN2		100%	Spastic paraplegia
EXOSC3		100%	Spastic paraplegia
FA2H		100%	Spastic paraplegia
FAR1		100%	Spastic paraplegia
FARS2		100%	Spastic paraplegia
FBXO7		100%	Spastic paraplegia
FGF14		100%	Spastic paraplegia
FLRT1		100%	Spastic paraplegia
FLVCR1		100%	Spastic paraplegia
FXN		100%	Spastic paraplegia
GAD1		100%	Spastic paraplegia
GALC		100%	Spastic paraplegia
GBA		100%	Spastic paraplegia
GBA2		100%	Spastic paraplegia
GBE1		100%	Spastic paraplegia
GCH1		96%	Spastic paraplegia
GFAP		100%	Spastic paraplegia
GJA1		100%	Spastic paraplegia
GJC2		100%	Spastic paraplegia
GLB1		100%	Spastic paraplegia
GLRX5		98%	Spastic paraplegia
GPT2		100%	Spastic paraplegia

GRID2		100%	Spastic paraplegia
GRM1		100%	Spastic paraplegia
HACE1		100%	Spastic paraplegia
HEXA		100%	Spastic paraplegia
HPDL		100%	Spastic paraplegia
HSD17B4		100%	Spastic paraplegia
HSPD1		100%	Spastic paraplegia
HTRA1		94%	Spastic paraplegia
IBA57		100%	Spastic paraplegia
IFIH1		100%	Spastic paraplegia
IRF2BPL		100%	Spastic paraplegia
ITPR1		100%	Spastic paraplegia
KCNA1		100%	Spastic paraplegia
KCNA2		100%	Spastic paraplegia
KCNC3		96%	Spastic paraplegia
KCND3		100%	Spastic paraplegia
KDM5C		100%	Spastic paraplegia
KIDINS220		100%	Spastic paraplegia
KIF1A		100%	Spastic paraplegia
KIF1C		100%	Spastic paraplegia
KIF5A		100%	Spastic paraplegia
KLC2		100%	Spastic paraplegia
KLC4		100%	Spastic paraplegia
KPNA3		100%	Spastic paraplegia
KY		100%	Spastic paraplegia
L1CAM		100%	Spastic paraplegia
LMNB1		100%	Spastic paraplegia
LYST		100%	Spastic paraplegia
MAG		100%	Spastic paraplegia
MAPK8IP3		100%	Spastic paraplegia
MARS1		100%	Spastic paraplegia
MARS2		100%	Spastic paraplegia
MFN2		100%	Spastic paraplegia
MLC1		100%	Spastic paraplegia
MRE11		99%	Spastic paraplegia
MTPAP		100%	Spastic paraplegia
MYO1H		100%	Spastic paraplegia
NARS2		98%	Spastic paraplegia
NDUFA12		100%	Spastic paraplegia
NDUFV1		100%	Spastic paraplegia
NEFL		100%	Spastic paraplegia
NFU1		100%	Spastic paraplegia
NIPA1		100%	Spastic paraplegia
NKX6-2		100%	Spastic paraplegia
NPC1		100%	Spastic paraplegia
NSRP1		100%	Spastic paraplegia
NT5C2		100%	Spastic paraplegia
OPA1		100%	Spastic paraplegia
OPA3		100%	Spastic paraplegia
OPHN1		100%	Spastic paraplegia

PANK2		100%	Spastic paraplegia
PCYT2		97%	Spastic paraplegia
PDHX		100%	Spastic paraplegia
PDYN		100%	Spastic paraplegia
PEX7		100%	Spastic paraplegia
PEX16		100%	Spastic paraplegia
PGAP1		95%	Spastic paraplegia
PHYH		100%	Spastic paraplegia
PI4KA		100%	Spastic paraplegia
PLA2G6		100%	Spastic paraplegia
PLP1		100%	Spastic paraplegia
PMPCA		100%	Spastic paraplegia
PNPLA6		100%	Spastic paraplegia
PNPT1		98%	Spastic paraplegia
POLG		100%	Spastic paraplegia
POLG2		100%	Spastic paraplegia
POLR3A		100%	Spastic paraplegia
POLR3B		100%	Spastic paraplegia
PRDM8		100%	Spastic paraplegia
PRKCG		100%	Spastic paraplegia
PRRT2		100%	Spastic paraplegia
PSEN1		100%	Spastic paraplegia
PTPN23		100%	Spastic paraplegia
PUM1		100%	Spastic paraplegia
PYCR2		100%	Spastic paraplegia
RAB3GAP2		98%	Spastic paraplegia
RAB18		100%	Spastic paraplegia
RARS1		100%	Spastic paraplegia
REEP1		100%	Spastic paraplegia
REEP2		100%	Spastic paraplegia
RNASEH2B		100%	Spastic paraplegia
RNF170		100%	Spastic paraplegia
RTN2		100%	Spastic paraplegia
RUBCN		100%	Spastic paraplegia
SACS		100%	Spastic paraplegia
SAMHD1		100%	Spastic paraplegia
SARS1		100%	Spastic paraplegia
SARS2		100%	Spastic paraplegia
SCN2A		100%	Spastic paraplegia
SCYL1		100%	Spastic paraplegia
SELENOI		96%	Spastic paraplegia
SERAC1		100%	Spastic paraplegia
SETX		100%	Spastic paraplegia
SIL1		100%	Spastic paraplegia
SLC1A4		100%	Spastic paraplegia
SLC2A1		100%	Spastic paraplegia
SLC9A6		100%	Spastic paraplegia
SLC16A2		100%	Spastic paraplegia
SLC19A3		100%	Spastic paraplegia
SLC25A15		100%	Spastic paraplegia

SLC25A46		100%	Spastic paraplegia
SLC33A1		100%	Spastic paraplegia
SNAPC4		100%	Spastic paraplegia
SNX14		100%	Spastic paraplegia
SOX10		100%	Spastic paraplegia
SPART		100%	Spastic paraplegia
SPAST		100%	Spastic paraplegia
SPATA5L1		100%	Spastic paraplegia
SPG7		100%	Spastic paraplegia
SPG11		100%	Spastic paraplegia
SPG21		100%	Spastic paraplegia
SPR		100%	Spastic paraplegia
SPTAN1		100%	Spastic paraplegia
SPTBN2		100%	Spastic paraplegia
STN1		100%	Spastic paraplegia
STUB1		100%	Spastic paraplegia
SYNE1		100%	Spastic paraplegia
TAF8		100%	Spastic paraplegia
TBC1D20		100%	Spastic paraplegia
TDP1		100%	Spastic paraplegia
TECPR2		100%	Spastic paraplegia
TFG		100%	Spastic paraplegia
TGM6		100%	Spastic paraplegia
TH		100%	Spastic paraplegia
TK2		100%	Spastic paraplegia
TMEM63C		100%	Spastic paraplegia
TMEM240		100%	Spastic paraplegia
TPP1		100%	Spastic paraplegia
TRMT5		100%	Spastic paraplegia
TTBK2		100%	Spastic paraplegia
TTPA		100%	Spastic paraplegia
TUBB4A		100%	Spastic paraplegia
UBAP1		100%	Spastic paraplegia
UBQLN2		100%	Spastic paraplegia
UCHL1		100%	Spastic paraplegia
UNC80		100%	Spastic paraplegia
USP8		100%	Spastic paraplegia
VAMP1		100%	Spastic paraplegia
VCP		100%	Spastic paraplegia
VLDLR		100%	Spastic paraplegia
VPS13B		100%	Spastic paraplegia
VPS13D		100%	Spastic paraplegia
VPS37A		100%	Spastic paraplegia
VPS53		100%	Spastic paraplegia
VRK1		100%	Spastic paraplegia
WASHC5		100%	Spastic paraplegia
WDR45		100%	Spastic paraplegia
WDR45B		100%	Spastic paraplegia
WDR48		100%	Spastic paraplegia
WVOX		100%	Spastic paraplegia

ZFR		100%	Spastic paraplegia
ZFYVE26		100%	Spastic paraplegia
ZFYVE27		100%	Spastic paraplegia