

Hereditary Spastic Paraplegia Panel (144 genes)

ABCB7
ABCD1
ACOX1
ADD3
AFG3L2
ALS2
AMPD2
ANG
AP4B1
AP4E1
AP4M1
AP4S1
AP5Z1
ARHGEF28
ARL6IP1
ARSI
ASAH1
ATL1
ATP7A
AUH
B4GALNT1
BICD2
BSCL2
C9orf72 *
C12orf65
C19orf12
CCT5
CHMP2B
CLCN2
CLPP
CTC1
CYP2U1
CYP7B1
CYP27A1
DARS2
DCTN1
DDHD1
DDHD2
ELOVL4
ENTPD1

ERLIN2
FA2H
FBXO7
FLRT1
FUS
GAD1
GALC
GAN
GARS1 (aka GARS)
GBA
GBA2
GCH1
GFAP
GJC2
GLB1
GRID2
HARS1 (aka HARS)
HEXA
HNRNPA1
HNRNPA2B1
HSPB1
HSPB3
HSPB8
HSPD1
IGHMBP2
KANK1
KDM5C
KIF1A
KIF1C
KIF5C
KIF7
L2HGDH
LARS2
LYST
MAG
MARS1 (aka MARS)
MARS2
MTHFR
MTPAP
NDUFV1

NEFH
NIPA1
NT5C2
OPA1
OPA3
OPTN
PANK2
PFN1
PGAP1
PLA2G6
PLEKHG5
PLP1
PNPLA6
PQBP1
PRNP
PRPH
PSEN1
RAB3GAP1
RAB3GAP2
REEP1
REEP2
RTN2
SACS
SCO2
SCP2
SETX
SIGMAR1
SIL1
SLC2A1
SLC16A2
SLC19A3
SLC25A15
SLC33A1
SOD1
SPART (aka SPG20)
SPAST
SPG7
SPG11
SPG21
SPR

* Does NOT include c9orf72 hexanucleotide repeat expansion.

Hereditary Spastic Paraplegia Panel (144 genes), continued

STUB1
STXBP1
TARDBP
TECPR2
TFG
TH
TRPV4
TTR
TUBB4A
UBA1
UBQLN2
USP8
VAMP1
VAPB
VCP
VEGFA
VPS37A
VPS54
VRK1
WASHC5 (aka KIAA0196)
WDR48
ZFR
ZFYVE26
ZFYVE27