

9.1 Atassie e paraparesi spastiche familiari

AARS2
ABCB7
ABCD1
ABHD12
ABHD5
ACAD9
ACADVL
ACO2
ADAR
ADPRS
AFG3L2
AGK
AGTPBP1
AHI1
AIFM1
AIMP1
ALAS2
ALDH18A1
ALDH5A1
ALS2
AMACR
AMPD2
ANO10
AP1S2
AP4B1
AP4E1
AP4M1
AP4S1
AP5Z1
APTX
ARG1
ARL13B
ARL6
ARL6IP1
ARSA
ATCAY
ATL1
ATM
ATN1
ATP13A2
ATP1A2
ATP1A3
ATP2B3
ATP7B
ATP8A2

ATRX
ATXN1
ATXN10
ATXN2
ATXN3
ATXN7
AUH
B4GALNT1
B9D1
BBS1
BBS10
BBS12
BBS2
BBS4
BBS5
BBS7
BBS9
BCKDHA
BCKDHB
BCS1L
BEAN1
BICD2
BOLA3
BSCL2
BTB
C19orf12
CA8
CACNA1A
CACNA1G
CACNB4
CAMTA1
CAPN1
CARS2
CASK
CC2D2A
CCDC88C
CCT5
CEP290
CEP41
CHMP1A
CLCN2
CLN5
CLN6
CLPB
CLPP
COA6

COA7
COA8
COASY
COL4A1
COL4A2
COQ2
COQ4
COQ6
COQ7
COQ8A
COQ8B
COQ9
COX10
COX15
COX20
COX6A1
COX6B1
CP
CPLANE1
CPT1C
CSPP1
CSTB
CWF19L1
CYC1
CYP27A1
CYP2U1
CYP7B1
DAB1
DARS1
DARS2
DBT
DDHD1
DDHD2
DGUOK
DHPS
DLAT
DLD
DNA2
DNAJC19
DNAJC5
DNM1L
DNMT1
DOCK3
DSTYK
EARS2
EBF3

ECHS1
EIF2B1
EIF2B2
EIF2B3
EIF2B4
EIF2B5
ELAC2
ELOVL4
ELOVL5
ENTPD1
ERLIN1
ERLIN2
ETFA
ETFB
ETFDH
ETHE1
EXOSC3
FA2H
FARS2
FASTKD2
FAT2
FBXL4
FDX2
FDXR
FGF14
FH
FLAD1
FLVCR1
FOXRED1
FTL
FXN
GAD1
GALC
GARS1
GBA
GBA2
GCDH
GCH1
GFAP
GFER
GFM1
GFM2
GJB1
GJC2
GLRX5
GOSR2

GRID2
GRM1
GSS
GTPBP3
HACE1
HARS2
HEPACAM
HEXA
HEXB
HIBCH
HMGCL
HSPD1
HTRA2
IARS2
IBA57
INPP5E
IRF2BPL
ISCA2
ISCU
ITM2B
ITPR1
KCNA1
KCNA2
KCNC3
KCND3
KCNJ10
KDM5C
KIDINS220
KIF1A
KIF1C
KIF5A
KIF7
L1CAM
LAMA1
LAMP2
LARS2
LIAS
LIPT1
LMNB1
LRPPRC
LYRM7
LYST
MAG
MARS1
MARS2
MECR

MFF
MFN2
MGME1
MICU1
MKKS
MKS1
MLC1
MOCS1
MPC1
MPV17
MRE11
MRPL3
MRPL44
MRPS16
MRPS22
MSTO1
MTFMT
MTO1
MTPAP
MTRFR
MTTP
NARS2
NDUFA1
NDUFA10
NDUFA11
NDUFA12
NDUFA2
NDUFA9
NDUFAF1
NDUFAF2
NDUFAF3
NDUFAF4
NDUFAF5
NDUFAF6
NDUFB3
NDUFS1
NDUFS2
NDUFS3
NDUFS4
NDUFS6
NDUFS7
NDUFS8
NDUFV1
NDUFV2
NFU1
NIPA1

NKX6-2
NOP56
NPC1
NPC2
NPHP1
NR2F1
NT5C2
NUBPL
OFD1
OPA1
OPA3
OPHN1
OTC
PANK2
PARS2
PAX6
PC
PCCA
PCCB
PDHA1
PDHB
PDHX
PDP1
PDSS1
PDSS2
PDYN
PET100
PEX10
PEX2
PEX7
PGAP1
PHYH
PIK3R5
PLA2G6
PLP1
PMPCA
PNKD
PNKP
PNPLA6
PNPT1
POLG
POLG2
POLR3A
POLR3B
PPP2R2B
PRICKLE1

PRKCG
PRRT2
PUM1
QARS1
RAB3GAP2
RARS1
RARS2
REEP1
REEP2
RMND1
RNASEH1
RNASEH2B
RNF216
RPGRIP1L
RRM2B
RTN2
RUBCN
SACS
SAMD9L
SARS2
SCN1A
SCN2A
SCO1
SCO2
SCYL1
SDHA
SDHAF1
SELENOI
SERAC1
SETX
SFXN4
SIL1
SLC16A2
SLC17A5
SLC19A2
SLC19A3
SLC1A3
SLC1A4
SLC20A2
SLC22A5
SLC25A19
SLC25A26
SLC25A3
SLC25A38
SLC25A4
SLC25A46

SLC2A1
SLC33A1
SLC52A2
SLC52A3
SLC9A6
SNX14
SPART
SPAST
SPG11
SPG21
SPG7
SPR
SPTBN2
STUB1
SUCLA2
SUCLG1
SURF1
SYNE1
TACO1
TARS2
TBC1D24
TBP
TCTN1
TCTN2
TCTN3
TDP1
TECPR2
TFG
TGM6
TIMM8A
TK2
TMEM126B
TMEM138
TMEM216
TMEM231
TMEM237
TMEM240
TMEM67
TMEM70
TPK1
TPP1
TRIM32
TRIT1
TRMT10C
TRNT1
TSEN2

TSEN34
TSEN54
TSFM
TTBK2
TTC19
TTC8
TTPA
TTR
TUBB4A
TUFM
TWNK
TYMP
UBA5
UBAP1
UBE3A
UBTF
UCHL1
UNC80
UQCC2
UQCRB
UQCRC2
UQCRQ
USP8
VAMP1
VAR52
VCP
VLDLR
VPS37A
VRK1
WASHC5
WDR45
WDR45B
WDR81
WFS1
WWOX
YARS2
ZFYVE26
ZFYVE27
ZNF423