Bewegingsstoornisssen genpanel v3 (397 genen)

AAAS	CA8	DNAL4	GRIN2B	MTTP	POLR1C	SLC1A3	TOR1A
AARS2	CACNA1A	DNMT1	GRM1	MVK	POLR3A	SLC20A2	TPP1
ABCB7	CACNA1B	DPYS	HACE1	MYBPC1	POLR3B	SLC25A15	TREM2
ABCD1	CACNA1E	DSTYK	HEXB	MYORG	PPP2R2B	SLC2A1	TREX1
ABHD12	CACNA1G	ECHS1	HK1	NANS	PREPL	SLC30A10	TRPC3
ACTB	CACNB4	EEF2	HPCA	NEFL	PRF1	SLC33A1	TSEN2
ADAR	CAMTA1	EIF2B1	HPDL	NEU1	PRICKLE1	SLC39A14	TSEN54
ADCY5	CAPN1	EIF2B2	HPRT1	NEXMIF	PRKCG	SLC52A2	TTBK2
ADGRG1	CCDC88C	EIF2B3	HSD17B4	NFASC	PRKN	SLC52A3	TTC19
ADPRHL2	CCT5	EIF2B4	HSPD1	NGLY1	PRKRA	SLC6A19	TTPA
AFG3L2	CHMP1A	EIF2B5	HTRA2	NIPA1	PRRT2	SLC6A3	TUBA1A
AGTPBP1	CHP1	EIF4G1	IBA57	NKX2-1	PSAP	SLC9A1	TUBB4A
AIMP1	CIZ1	ELOVL4	IFRD1	NKX6-2	PTRH2	SMPD1	TUBG1
ALDH18A1	CLCN2	ELOVL5	ISCA2	NOL3	PTS	SNCA	TWNK
ALDH3A2	CLCN4	ENTPD1	ITPR1	NPC1	PUM1	SNORD118	TYROBP
ALS2	CLPB	ERLIN1	JAM2	NPC2	PYCR2	SNX14	UBA5
AMPD2	COASY	ERLIN2	JAM3	NT5C2	QDPR	SOX10	UBAP1
ANO10	COL4A1	ETHE1	KATNB1	NUP62	RAB18	SPART	UBQLN2
ANO3	COL6A3	EXOSC3	KCNA1	OCLN	RAB3GAP1	SPAST	UCHL1
AP4B1	COQ2	EXOSC5	KCNA2	OPA1	RAB3GAP2	SPG11	VAMP1
AP4E1	COQ4	FA2H	KCNC1	OPHN1	RAD51	SPG21	VARS2
AP4M1	COQ8A	FAM126A	KCNC3	PACS2	RARB	SPG7	VCP
AP4S1	COQ9	FAR1	KCND3	PANK2	RARS	SPR	VLDLR
AP5Z1	COX20	FARS2	KCNJ10	PARK7	RARS2	SPTBN2	VPS11
APTX	CP	FAT2	KCNJ6	PAX6	REEP1	STUB1	VPS13A
ARG1	CPT1C	FBXO7	KCNMA1	PCNA	RETREG1	SUCLA2	VPS13C
ARL6IP1	CSF1R	FGF14	KCTD17	PCYT2	RNASEH2A	SUCLG1	VPS13D
ARSA	CSTB	FLVCR1	KCTD7	PDE10A	RNASEH2B	SUMF1	VPS16
ARX	CTBP1	FOLR1	KIDINS220	PDE8B	RNASEH2C	SUOX	VPS35
ASPA	CWF19L1	FOXG1	KIF1A	PDGFB	RNF170	SURF1	VPS37A
ATCAY	CYB5R3	FRMD7	KIF1C	PDGFRB	RNF216	SYNE1	VPS53
ATG5	CYP27A1	FTL	KIF5A	PDHA1	RTN2	SYT14	VRK1
ATL1	CYP2U1	FUS	KMT2B	PDHX	RUBCN	TAF1	VWA3B
ATM	CYP7B1	FXN	L1CAM	PDSS1	SACS	TANGO2	WASHC5
ATP13A2	DAB1	GALC	LAMA1	PDSS2	SAMD9L	TBC1D20	WDR26
ATP1A2	DARS	GAN	LAMB1	PDYN	SAMHD1	TBC1D23	WDR45
ATP1A3	DARS2	GBA	LMNB1	PEX10	SCN11A	TBCD	WDR73
ATP2B3	DBT	GBA2	MAG	PEX2	SCN1A	TDP1	WDR81
ATP6AP2	DCAF17	GBE1	MAPK8IP3	PEX7	SCN2A	TDP2	WFS1
ATP7B	DCC	GCDH	MARS2	PHYH	SCN8A	TECPR2	WWOX
ATP8A2	DCTN1	GCH1	MECP2	PIK3R5	SCYL1	TENM4	XK
AUH	DDC	GDAP2	MECR	PLA2G6	SEPSECS	TFG	XPR1
B4GALNT1	DDHD1	GFAP	MFF	PLD3	SERAC1	TGM6	XRCC1
BCAP31	DDHD2	GJC2	MICU1	PLP1	SETX	TH	ZC4H2
BCKDHA	DHDDS	GLB1	MLC1	PMM2	SGCE	THAP1	ZFYVE26
BCKDHB	DLAT	GNAL	MMADHC	PMPCA	SIL1	TIMM8A	ZFYVE27
BSCL2	DLD	GOSR2	MME	PNKD	SLC12A6	TMEM106B	ZNF592
BTD	DNAJC12	GPR143	MRE11	PNKP	SLC16A2	TMEM240	
C12orf65	DNAJC3	GRID2	MTHFR	PNPLA6	SLC17A5	TMEM67	
C19orf12	DNAJC6	GRIN1	MTPAP	POLG	SLC19A3	TOE1	

Gene symbols used follow HGCN guidelines Genomics 79(4):464-470 (2002) updated February 2014
Genes in bold are core genes
OMIM release used for OMIM disease identifiers and descriptions : June 30th, 2015
"No OMIM phenotype" signifies a gene without a current OMIM association
OMIM phenotype descriptions between {} signify risk factors