

AAAS	C19orf12	DNMT1	GTPBP2	MIPEP
AASS	C9ORF3	DRD1	HACE1	MMAA
ABAT	CA8	DRD2	HCFC1	MMAB
ABCB7	CACNA1A	ECHS1	HCN2	MMADHC
ACBD6	CACNA1B	EIF2AK2	HECW2	MORC2
ACER3	CACNA1G	EIF4A2	HEXA	MR1
ACOX1	CACNB4	EIF4G1	HIBCH	MRE11
ACSF3	CAMK4	ELOVL4	HNRNPH1	MRPS36
ACTB	CBS	EPG5	HPCA	MSL3
ADAR	CDKL1	FA2H	HPRT1	MTFMT
ADCY5	CHCHD2	FBXL4	HSD17B10	MT-ND3
AFG3L2	CHD6	FBXO28	HSPD1	MT-TC
ALDH18A1	CHD8	FBXO7	HTRA2	MT-TV
ALK	CHMP2B	FGF14	HTT	MT-TW
ALS2	CIZ1	FITM2	IFIH1	MMUT
ANO10	CLN3	FOLR1	IMPDH2	MYORG
ANO3	CLN5	FOXG1	IRF2BPL	NAA15
AP1S2	CLN6	FOXRED1	ITPR1	NACC1
APTX	CLN8	FTL	KCNA1	NDUFA1
ARFGEF3	CLPB	FUCA1	KCNC3	NDUFA10
ARSA	COASY	FXN	KCND3	NDUFA12
ARX	COL6A3	GABRB2	KCNMA1	NDUFA2
ASL	COQ8A	GABRB3	KCNN2	NDUFA9
ATAD1	COX10	GALC	KCNQ2	NDUFAF2
ATCAY	COX15	GALT	KCNT1	NDUFAF5
ATL1	COX20	GAMT	KCTD17	NDUFAF6
ATM	CP	GATM	KCTD7	NDUFS1
ATN1	CSF1R	GBA1	KIAA1161	NDUFS3
ATP13A2	CSTB	GCDH	KIF1A	NDUFS4
ATP1A2	CTNNB1	GCH1	KIF1C	NDUFS7
ATP1A3	CTSD	GFAP	KLC1	NDUFS8
ATP2B2	CTSF	GIGYF1	KMT2B	NDUFV1
ATP5A1	CWF19L1	GJC2	L2HGDH	NGLY1
ATP5B	CYP27A1	GLB1	LINGO4	NIT1
ATP5G3	DCAF17	GLRA1	LRPPRC	NKX2-1
ATP7B	DCC	GLRB	LRRK2	NKX6-2
ATP8A2	DCTN1	GM2A	LYST	NPC1
ATXN1	DDC	GNAL	MAL	NPC2
ATXN2	DEGS1	GNAO1	MAPT	NR4A2
ATXN3	DHCR24	GNB1	MARS2	NTN1
AUH	DHDDS	GRID2	MCEE	NUBPL
AUTS2	DLAT	GRIN1	MECP2	NUP54
BAZ1B	DLD	GRIN2A	MECR	NUS1
BCAP31	DNAJC12	GRM1	MED23	OCLN
BCS1L	DNAJC5	GRN	MED27	OPA1
BTD	DNAJC6	GSX2	MFSD8	OPA3

PAH	RNF216	TARDBP	ZEB2
PAK1	SACS	TARS2	ZMYND11
PANK2	SAMHD1	TBC1D24	ZNF142
PARK7	SCN1A	TBK1	ZNF526
PCCA	SCN8A	TBP	ZNF532
PCCB	SCO2	TECPR2	ZNF629
PCDH12	SCP2	TGM6	
PDE10A	SDHA	TH	
PDE1B	SERAC1	THAP1	
PDE2A	SETX	TIMM8A	
PDGFB	SGCE	TMEM151A	
PDGFRB	SHANK3	TMEM240	
PDHA1	SHQ1	TNPO2	
PDHX	SIL1	TNR	
PDYN	SLC16A2	TOR1A	
PET100	SLC18A2	TPK1	
PI4K2A	SLC19A3	TPP1	
PINK1	SLC1A3	TREX1	
PLA2G6	SLC20A2	TRPM3	
PLP1	SLC2A1	TSPOAP1	
PNKD	SLC30A10	TTBK2	
PNKP	SLC30A9	TTPA	
PNPLA8	SLC39A14	TUBB2B	
PNPT1	SLC6A1	TUBB4A	
POLG	SLC6A19	UBE3A	
POLR3A	SLC6A3	UBTF	
PPP2R2B	SLC6A5	UCHL1	
PPP2R5D	SLC6A8	VAC14	
PPT1	SLC9A6	VAMP1	
PRKCG	SNCA	VAMP2	
PRKN	SNX14	VPS11	
PRKRA	SPAST	VPS13A	
PRMT1	SPATA5L1	VPS13C	
PRNP	SPG11	VPS13D	
PRRT2	SPG7	VPS16	
PSEN1	SPR	VPS35	
PSEN2	SPTBN1	VPS41	
PTPN1	SQSTM1	VPS4A	
PTRHD1	SRRM4	WARS2	
PTS	STUB1	WDR45	
QDPR	SUCLA2	WDR73	
RAB39B	SUOX	WFS1	
RHOBTB2	SURF1	WWOX	
RNASEH2A	SYNE1	XK	
RNASEH2B	SYNJ1	XPR1	
RNASEH2C	SYT1	YIF1B	
RNASET2	TAF1	YY1	

Dystonia ja liikehäiriöt**Geenejä 324 kpl****Versio 2**

15.7.2024

AAAS	CDKL1	FOXRED1	KCNQ2	NGLY1
AASS	CHCHD2	FTL	KCNT1	NKX2-1
ABAT	CHD6	FUCA1	KCTD17	NKX6-2
ABCB7	CHD8	FXN	KCTD7	NPC1
ACOX1	CHMP2B	GALC	KIF1A	NPC2
ACSF3	CIZ1	GALT	KIF1C	NR4A2
ACTB	CLN3	GAMT	KLC1	NUBPL
ADAR	CLN5	GATM	KMT2B	OCLN
ADCY5	CLN6	GBA	L2HGDH	OPA1
AFG3L2	CLN8	GCDH	LINGO4	OPA3
ALDH18A1	CLPB	GCH1	LRPPRC	PAH
ALS2	COASY	GFAP	LRRK2	PAK1
ANO10	COL6A3	GIGYF1	LYST	PANK2
ANO3	COQ8A	GJC2	MAPT	PARK7
AP1S2	COX10	GLB1	MARS2	PCCA
APTX	COX15	GLRA1	MCEE	PCCB
ARFGEF3	CP	GLRB	MECP2	PCDH12
ARSA	CSF1R	GM2A	MECR	PDE10A
ARX	CSTB	GNAL	MED23	PDE2A
ATCAY	CTNNB1	GNAO1	MED27	PDGFB
ATL1	CTSD	GNB1	MFSD8	PDGFRB
ATM	CTSF	GRID2	MIPEP	PDHA1
ATN1	CWF19L1	GRIN1	MMAA	PDHX
ATP13A2	CYP27A1	GRIN2A	MMAB	PDYN
ATP1A2	DCAF17	GRM1	MMADHC	PET100
ATP1A3	DCTN1	GRN	MORC2	PI4K2A
ATP7B	DDC	GSX2	MR1	PINK1
ATP8A2	DEGS1	GTPBP2	MRE11	PLA2G6
ATXN1	DHCR24	HCFC1	MSL3	PLP1
ATXN2	DHDDS	HECW2	MTFMT	PNKD
ATXN3	DLAT	HEXA	MUT	PNKP
AUH	DLD	HIBCH	MYORG	POLG
AUTS2	DNAJC2	HNRNPH1	NDUFA1	POLR3A
BAZ1B	DNAJC5	HPCA	NDUFA10	PPP2R2B
BCAP31	DNAJC6	HPRT1	NDUFA12	PPP2R5D
BCS1L	DNMT1	HSPD1	NDUFA2	PPT1
BTD	ECHS1	HTRA2	NDUFA9	PRKCG
C19orf12	EIF2AK2	HTT	NDUFAF2	PRKN
C9ORF3	EIF4G1	IFIH1	NDUFAF5	PRKRA
CA8	ELOVL4	IMPDH2	NDUFAF6	PRNP
CACNA1A	FA2H	IRF2BPL	NDUFS1	PRRT2
CACNA1B	FBXO7	ITPR1	NDUFS3	PSEN1
CACNA1G	FGF14	KCNA1	NDUFS4	PSEN2
CACNB4	FITM2	KCNC3	NDUFS7	PTRHD1
CAMK4	FOLR1	KCND3	NDUFS8	PTS
CBS	FOXG1	KCNMA1	NDUFV1	QDPR

RAB39B	TARDBP
RHOBTB2	TARS2
RNASEH2A	TBC1D24
RNASEH2B	TBK1
RNASEH2C	TBP
RNASET2	TECPR2
RNF216	TGM6
SACS	TH
SAMHD1	THAP1
SCN1A	TIMM8A
SCN8A	TMEM240
SCO2	TOR1A
SCP2	TPK1
SDHA	TPP1
SERAC1	TREX1
SETX	TTBK2
SGCE	TTPA
SHANK3	TUBB2B
SIL1	TUBB4A
SLC16A2	UBE3A
SLC18A2	UBTF
SLC19A3	UCHL1
SLC1A3	VAC14
SLC20A2	VAMP1
SLC2A1	VAMP2
SLC30A10	VPS13A
SLC39A14	VPS13C
SLC6A1	VPS13D
SLC6A19	VPS16
SLC6A3	VPS35
SLC6A5	VPS41
SLC6A8	VPS4A
SLC9A6	WARS2
SNCA	WDR45
SNX14	WDR73
SPAST	WFS1
SPG11	WWOX
SPG7	XK
SPR	XPR1
SPTBN1	YIF1B
STUB1	YY1
SUCLA2	ZEB2
SUOX	ZMYND11
SURF1	ZNF142
SYNE1	ZNF532
SYNJ1	ZNF629
TAF1	ZSWIM6