

AAAS	ALG14	ATM	CACNB1	CLP1
AARS	ALG2	ATP13A2	CAD	CLPP
AARS2	ALG3	ATP1A1	CADM3	CLTCL1
ABCA1	ALK	ATP1A2	CALR3	CNBP
ABCB7	ALPK3	ATP1A3	CAMTA1	CNTN1
ABCC9	ALS2	ATP2A1	CAPN1	CNTNAP1
ABCD1	AMACR	ATP2A2	CAPN3	COA7
ABHD12	AMFR	ATP2B2	CAPRIN1	COASY
ABHD16A	AMPD1	ATP2B3	CASK	COL12A1
ABHD5	ANG	ATP2B4	CASP8	COL13A1
ACAD9	ANKRD1	ATP6V0A1	CASQ1	COL25A1
ACADM	ANO10	ATP6V1A	CAV3	COL4A1
ACADVL	ANO5	ATP7A	CAVIN1	COL4A2
ACBD5	ANTXR2	ATP8A2	CAVIN4	COL6A1
ACBD6	ANXA11	ATRX	CBY1	COL6A2
ACO2	AP1S1	ATXN2	CC2D2A	COL6A3
ACOX1	AP1S2	B3GALNT2	CCDC78	COL9A2
ACTA1	AP4B1	B3GALT6	CCDC82	COL9A3
ACTA2	AP4E1	B3GNT2	CCDC88C	COLQ
ACTC1	AP4M1	B4GALNT1	CCNF	COMP
ACTG2	AP4S1	B4GAT1	CCT5	COQ2
ACTN2	AP5Z1	BAG3	CD59	COQ4
ACVR1	APOA1	BBOX1	CEP290	COQ6
ADAMTS10	APOO	BBS1	CEP41	COQ7
ADAMTS15	APTX	BCAS3	CFL2	COQ8A
ADAR	AR	BCKDHB	CHAT	COQ9
ADCY6	ARG1	BET1	CHCHD10	COX10
ADGRG1	ARHGAP19	BICD2	CHD8	COX15
ADGRG6	ARHGEF10	BIN1	CHKB	COX16
ADPRHL2	ARL13B	BORCS5	CHMP2B	COX18
ADSSL1	ARL6IP1	BRAT1	CHMP3	COX20
AFG3L2	ARPC3	BSCL2	CHP1	COX6A1
AGK	ARSA	BVES	CHRM3	COX6A2
AGL	ARX	C12orf65	CHRNA1	CP
AGRN	ASAH1	C19orf12	CHRNA1	CPOX
AGTPBP1	ASCC1	C1orf194	CHRNA1	CPT1C
AGXT	ASCC3	C1QBP	CHRNA1	CPT2
AHCY	ASPH	C5orf42	CHRNA1	CRLF1
AHI1	ASXL1	C9orf72	CHRNA1	CRYAB
AHNAK2	ATAD1	CA8	CIAO1	CSF1R
AIFM1	ATAD3A	CACNA1A	CLCN1	CSMD1
AIMP1	ATCAY	CACNA1E	CLCN2	CSNK2B
ALDH18A1	ATG5	CACNA1G	CLMP	CSRP3
ALDH3A2	ATG7	CACNA1H	CLN3	CSTB
ALDH5A1	ATL1	CACNA1S	CLN5	CTBP1
ALDOA	ATL3	CACNA2D2	CLN6	CTDP1

CWF19L1	DTNA	FAM20C	GEMIN5	HPDL
CYLD	DYNC1H1	FAR1	GFAP	HRAS
CYP27A1	DYSF	FARS2	GFER	HS2ST1
CYP2U1	EBF3	FASTKD2	GFPT1	HSPB1
CYP7B1	EBP	FAT2	GGPS1	HSPB3
DAG1	ECEL1	FBLN5	GIPC1	HSPB8
DAGLA	EDN3	FBN2	GJA1	HSPD1
DARS	EDNRB	FBXL4	GJB1	HSPG2
DARS2	EEFSEC	FBXO38	GJB3	IARS2
DCAF8	EGR2	FBXO7	GJC2	IBA57
DCTN1	EIF2B1	FDX2	GLA	IDS
DDHD1	EIF2B2	FDXR	GLDC	IFIH1
DDHD2	EIF2B3	FGD4	GLDN	IGHMBP2
DEGS1	EIF2B4	FGF14	GLE1	ILK
DES	EIF2B5	FGFR2	GLRX5	INF2
DGAT2	ELFN1	FHL1	GLT8D1	INPP4A
DGUOK	ELOVL1	FICD	GMPPB	INPP5E
DHCR24	ELOVL4	FIG4	GNB4	INPP5K
DHDDS	ELOVL5	FILIP1	GNE	IRF2BPL
DHH	ELP1	FKBP10	GOLGA2	IRF6
DHTKD1	EMD	FKBP14	GOSR2	ISCU
DHX16	EMILIN1	FKRP	GPAA1	ISLR2
DHX9	ENO3	FKTN	GPT2	ISPD
DMD	ENTPD1	FLAD1	GRID2	ITGA7
DMPK	EPG5	FLNA	GRM1	ITM2B
DNA2	EPM2A	FLNB	GRN	ITPR1
DNAJB2	ERBB3	FLNC	GSN	ITPR3
DNAJB4	ERBB4	FLVCR1	GSS	JAG1
DNAJB6	ERCC4	FLVCR2	GUK1	JAG2
DNAJC19	ERCC5	FOLR1	GYG1	JPH1
DNAJC3	ERCC6	FRMD5	GYS1	JPH2
DNAJC5	ERCC8	FUS	HACD1	KARS
DNAJC7	ERGIC1	FXN	HACE1	KAT6B
DNM2	ERLIN1	FXR1	HADHA	KBTBD13
DNMT1	ERLIN2	GAA	HADHB	KCNA1
DNMT3B	ETFA	GALC	HARS	KCNA2
DOCK3	ETFB	GAN	HEXA	KCNC3
DOK7	ETFDH	GARS	HEXB	KCND3
DOLK	EXOSC3	GATAD1	HINT1	KCNE3
DPAGT1	EXOSC5	GBA	HK1	KCNJ10
DPM1	EXOSC8	GBA2	HMBS	KCNJ2
DPM2	EXOSC9	GBE1	HMGCR	KCNK3
DPM3	EYA4	GBF1	HMGCS1	KCNN2
DRP2	FA2H	GCH1	HNRNPA1	KCNQ2
DSG2	FAH	GDAP1	HNRNPA2B1	KDM5C
DST	FAM111B	GDAP2	HNRNPDL	KIAA1109
DSTYK	FAM126A	GDNF	HOXD10	KIDINS220

KIF1A	MAGEL2	MT-TE	NEK1	PEX1
KIF1B	MAMDC2	MT-TG	NEK9	PEX10
KIF1C	MAN2B1	MT-TK	NEMF	PEX11B
KIF21A	MAP3K20	MT-TL1	NEXN	PEX12
KIF26B	MAPK8IP3	MT-TN	NFU1	PEX13
KIF5A	MAPT	MTTP	NGF	PEX14
KIF5C	MARS	MT-TP	NGLY1	PEX16
KIF7	MARS2	MT-TW	NHLRC1	PEX19
KLC2	MATR3	MUSK	NIPA1	PEX2
KLHL40	MB	MVK	NKX2-1	PEX26
KLHL41	MCM3AP	MYBPC1	NKX6-2	PEX3
KLHL7	MCOLN1	MYBPC3	NMNAT2	PEX5
KLHL9	MED11	MYF5	NOTCH1	PEX6
KPNA3	MED12	MYH1	NOTCH2NLA	PEX7
KY	MED27	MYH11	NOVA2	PFKM
L1CAM	MEGF10	MYH14	NPC1	PFN1
LAMA1	MET	MYH2	NPC2	PGAM2
LAMA2	MFF	MYH3	NPHP1	PGK1
LAMA4	MFN2	MYH6	NPTX1	PGM1
LAMA5	MGME1	MYH7	NRG1	PHKA1
LAMB2	MIB1	MYH8	NSUN3	PHKB
LAMP2	MICU1	MYL1	NT5C2	PHOX2A
LARGE1	MKKS	MYL2	NTRK1	PHYH
LARS2	MKS1	MYL3	NUBPL	PI4KA
LDB3	MLIP	MYL9	NUDT2	PIEZO2
LDHA	MMACHC	MYLK	NUP88	PIGS
LETM1	MME	MYLK2	NUS1	PIP5K1C
LGALS1	MORC2	MYLPF	OBSCN	PITRM1
LGI4	MPDU1	MYMK	OFD1	PLA2G16
LIFR	MPV17	MYMX	OPA1	PLA2G6
LIG3	MPZ	MYO18B	OPA3	PLD3
LIMS2	MRE11	MYO9A	OPHN1	PLEC
LITAF	MRPL3	MYO9B	OPTN	PLEKHG5
LMNA	MRPL44	MYOD1	ORAI1	PLIN4
LMNB1	MRPS25	MYOT	PABPN1	PLN
LMOD1	MSTN	MYOZ2	PACSIN3	PLOD2
LMOD3	MSTO1	MYPN	PAX7	PLP1
LMX1B	MTCL1	NAGA	PCDHA9	PMM2
LPIN1	MT-CO1	NAGLU	PCK2	PMP2
LRIF1	MT-CO2	NALCN	PCNA	PMP22
LRP10	MTFMT	NARS	PCYT2	PMPCA
LRP12	MTM1	NDC1	PDCL3	PMPCB
LRP4	MTMR14	NDRG1	PDE1B	PNKD
LRSAM1	MTMR2	NDUFAF1	PDHA1	PNKP
LYST	MTO1	NEB	PDK3	PNPLA2
MACF1	MTPAP	NEFH	PD XK	PNPLA6
MAG	MT-TA	NEFL	PDYN	PNPLA8

PNPT1	RAF1	SCN9A	SLC4A10	SURF1
POC5	RAPSN	SCO2	SLC52A1	SVBP
POGLUT1	RBCK1	SCYL1	SLC52A2	SVIL
POLG	RBM20	SCYL2	SLC52A3	SYNE1
POLG2	RBM7	SDHA	SLC5A6	SYNE2
POLR3A	RCC1	SEC31A	SLC5A7	SYNGAP1
POLR3B	REEP1	SELENOI	SLC6A9	SYT2
POMGNT1	REEP2	SELENON	SLC7A7	TAF15
POMGNT2	RET	SENP7	SLC9A1	TAF1C
POMK	RETREG1	SEPT9	SLC9A3R1	TANGO2
POMT1	RFC1	SERAC1	SLC9A6	TARDBP
POMT2	RFC4	SETX	SMAD3	TAZ
POPDC3	RFXANK	SGCA	SMAD4	TBC1D23
POR	RINT1	SGCB	SMCHD1	TBCB
POU4F1	RIPK4	SGCD	SMPD4	TBCD
PPA2	RMND1	SGCE	SMPX	TBCE
PPOX	RNASEH1	SGCG	SNAP25	TBK1
PPP3CA	RNASEH2B	SGO1	SNAP29	TCAP
PRDM12	RNF13	SGPL1	SNAPC4	TCTN1
PRDM16	RNF170	SH3TC2	SNUPN	TCTN2
PRDX3	RNF216	SHMT2	SNX14	TCTN3
PREPL	RNF220	SIDT2	SOD1	TDP1
PRG4	RORA	SIGMAR1	SOX10	TDP2
PRKAG2	RPGRIP1L	SIL1	SPART	TECPR2
PRKCG	RPH3A	SKI	SPAST	TFG
PRNP	RPS6KC1	SKOR2	SPEG	TGFB2
PRPH	RRM2B	SLC12A6	SPG11	TGFB3
PRPS1	RTN2	SLC13A3	SPG21	TGFBR1
PRRT2	RUBCN	SLC16A1	SPG7	TGFBR2
PRUNE1	RXYLT1	SLC16A2	SPR	THG1L
PRX	RYR1	SLC17A5	SPTAN1	THOC2
PSAT1	RYR3	SLC18A3	SPTBN2	TIA1
PSEN1	SACS	SLC1A3	SPTBN4	TIMM22
PSEN2	SAMD9	SLC1A4	SPTLC1	TINF2
PSMC3	SAMD9L	SLC22A5	SPTLC2	TK2
PSMF1	SAMHD1	SLC25A1	SPTSSA	TMEM106B
PTEN	SARS	SLC25A15	SQSTM1	TMEM126B
PTRH2	SBF1	SLC25A19	SRD5A3	TMEM138
PUM1	SBF2	SLC25A20	SRPK3	TMEM216
PURA	SCARF2	SLC25A32	SS18L1	TMEM231
PUS1	SCN10A	SLC25A4	STAC3	TMEM237
PYGM	SCN11A	SLC25A42	STATH	TMEM240
PYROXD1	SCN1A	SLC25A46	STIM1	TMEM43
RAB3A	SCN2A	SLC29A3	STUB1	TMEM63C
RAB3GAP2	SCN4A	SLC2A1	SUCLA2	TMEM65
RAB7A	SCN5A	SLC35A3	SUCLG1	TMEM67
RAD21	SCN8A	SLC44A1	SUFU	TMEM70

TMPO	UBTF
TNNC1	UCHL1
TNNC2	UNC13A
TNNI1	UNC45B
TNNI2	UNC50
TNNI3	UNC80
TNNT1	USP8
TNNT2	VAMP1
TNNT3	VAPB
TNPO3	VCL
TOP3A	VCP
TOR1A	VIPAS39
TOR1AIP1	VLDLR
TPM1	VMA21
TPM2	VPS13A
TPM3	VPS13D
TPP1	VPS33B
TRAPPC11	VPS37A
TRDN	VPS41
TRIM2	VRK1
TRIM32	VWA1
TRIM54	WARS
TRIM63	WARS2
TRIP4	WASHC5
TRPC3	WDR45B
TRPV1	WDR73
TRPV4	WDR81
TSEN54	WFS1
TSFM	WNK1
TSPOAP1	WSB2
TTBK2	WWOX
TTC19	XK
TTI1	XRCC1
TTN	YARS
TTPA	YARS2
TTR	ZBTB42
TUBA4A	ZC4H2
TUBB3	ZFHX2
TUBB4A	ZFYVE26
TWNK	ZMPSTE24
TYMP	ZNHIT3
UBA1	
UBA5	
UBAP1	
UBQLN2	
UBQLN4	
UBR4	

AARS	BET1	COQ4	EPG5	GOLGA2
AARS2	BICD2	COQ6	ERBB3	GOSR2
ABCC9	BIN1	COQ7	ERBB4	GYG1
ABHD5	BSCL2	COQ8A	ETFA	GYS1
ACAD9	BVES	COQ9	ETFB	HACD1
ACADM	C1orf194	COX15	ETFDH	HADHA
ACADVL	C9orf72	COX16	EXOSC3	HADHB
ACTA1	CACNA1A	COX20	EXOSC8	HARS
ACTC1	CACNA1H	COX6A1	EYA4	HEXB
ACTN2	CACNA1S	COX6A2	FAM111B	HINT1
ACVR1	CADM3	CPT2	FASTKD2	HK1
ADCY6	CALR3	CRYAB	FBLN5	HMGCR
ADGRG6	CAPN3	CSRP3	FBXL4	HNRNPA1
ADPRHL2	CASQ1	CTDP1	FBXO38	HNRNPA2B1
ADSSL1	CAV3	DAG1	FDX2	HNRNPDL
AGL	CAVIN1	DCAF8	FGD4	HOXD10
AGRN	CAVIN4	DCTN1	FHL1	HRAS
AHNAK2	CCDC78	DES	FIG4	HSPB1
AIFM1	CCT5	DGAT2	FKBP14	HSPB3
ALDOA	CFL2	DGUOK	FKRP	HSPB8
ALG14	CHAT	DHTKD1	FKTN	HSPG2
ALG2	CHCHD10	DHX16	FLAD1	IGHMBP2
ALPK3	CHD8	DMD	FLNA	ILK
ALS2	CHKB	DMPK	FLNC	INF2
AMPD1	CHMP2B	DNA2	FLVCR1	INPP5K
ANG	CHRNA1	DNAJB2	FUS	ISCU
ANKRD1	CHRNA1	DNAJB4	FXR1	ISPD
ANO5	CHRND	DNAJB6	GAA	ITGA7
ANXA11	CHRNE	DNM2	GAN	ITPR3
APOO	CHRNA1	DNMT1	GARS	JAG1
AR	CLCN1	DOK7	GATAD1	JAG2
ARHGEF10	CLN3	DOLK	GBE1	JPH2
ASAH1	CLTCL1	DPAGT1	GBF1	KARS
ASCC1	CNBP	DPM1	GDAP1	KBTBD13
ASCC3	CNTN1	DPM2	GFER	KCNA1
ATL1	CNTNAP1	DPM3	GFPT1	KCNE3
ATL3	COL12A1	DSG2	GGPS1	KIF1A
ATP1A1	COL13A1	DST	GIPC1	KIF1B
ATP1A2	COL25A1	DTNA	GJB1	KIF21A
ATP2A1	COL4A1	DYNC1H1	GJB3	KIF26B
ATP7A	COL4A2	DYSF	GLDC	KIF5A
ATXN2	COL6A1	ECEL1	GLDN	KLHL40
B3GALNT2	COL6A2	EGR2	GLE1	KLHL41
B4GALNT1	COL6A3	ELP1	GMPPB	KLHL9
B4GAT1	COLQ	EMD	GNB4	KY
BAG3	COQ2	ENO3	GNE	LAMA2

LAMA4	MTMR14	PAX7	RAF1	SLC5A7
LAMA5	MTMR2	PDK3	RAPSN	SLC7A7
LAMB2	MTO1	PFKM	RBCK1	SLC9A3R1
LAMP2	MUSK	PFN1	RBM20	SMCHD1
LARGE1	MYBPC1	PGAM2	RBM7	SMPD4
LDB3	MYBPC3	PGK1	REEP1	SMPX
LDHA	MYF5	PGM1	RETREG1	SNAP25
LETM1	MYH1	PHKA1	RFC1	SOD1
LIG3	MYH14	PHKB	RFC4	SPEG
LIMS2	MYH2	PHOX2A	RNASEH1	SPG11
LITAF	MYH3	PIEZO2	RPH3A	SPTAN1
LMNA	MYH6	PIP5K1C	RRM2B	SPTBN4
LMOD3	MYH7	PLEC	RXYLT1	SPTLC1
LPIN1	MYH8	PLEKHG5	RYR1	SPTLC2
LRIF1	MYL1	PLIN4	RYR3	SQSTM1
LRP10	MYL2	PLN	SACS	STAC3
LRP12	MYL3	PMP2	SBF1	STATH
LRP4	MYLK2	PMP22	SBF2	STIM1
LRSAM1	MYLPF	PNKP	SCN11A	SUCLA2
MACF1	MYMK	PNPLA2	SCN4A	SUCLG1
MAP3K20	MYO18B	PNPLA8	SCN5A	SURF1
MAPT	MYO9A	POGLUT1	SCN9A	SVIL
MARS	MYOD1	POLG	SCO2	SYNE1
MATR3	MYOT	POLG2	SDHA	SYNE2
MB	MYOZ2	POMGNT1	SELENON	SYT2
MCM3AP	MYPN	POMGNT2	SEPT9	TANGO2
MCOLN1	NAGLU	POMK	SETX	TARDBP
MEGF10	NARS	POMT1	SGCA	TAZ
MET	NDRG1	POMT2	SGCB	TBK1
MFN2	NDUFAF1	POPC3	SGCD	TCAP
MGME1	NEB	PPA2	SGCE	TFG
MIB1	NEFH	PRDM12	SGCG	TIA1
MICU1	NEFL	PRDM16	SGPL1	TIMM22
MLIP	NEK1	PREPL	SH3TC2	TK2
MME	NEK9	PRKAG2	SIGMAR1	TMEM126B
MORC2	NEXN	PRPH	SIL1	TMEM43
MPDU1	NGF	PRPS1	SLC12A6	TMEM65
MPV17	NMNAT2	PRUNE1	SLC16A1	TMPO
MPZ	NOTCH2NLA	PRX	SLC18A3	TNNC1
MRPL3	NSUN3	PSAT1	SLC22A5	TNNC2
MRPL44	NTRK1	PSEN1	SLC25A1	TNNI2
MRPS25	NUP88	PSEN2	SLC25A20	TNNI3
MSTN	OBSCN	PTRH2	SLC25A4	TNNT1
MSTO1	OPA1	PUS1	SLC25A42	TNNT2
MT-CO1	OPTN	PYGM	SLC25A46	TNNT3
MT-CO2	ORAI1	PYROXD1	SLC52A2	TNPO3
MTM1	PABPN1	RAB7A	SLC52A3	TOP3A

TOR1A
TOR1AIP1
TPM1
TPM2
TPM3
TRAPPC11
TRDN
TRIM2
TRIM32
TRIM54
TRIM63
TRIP4
TRPV4
TSEN54
TSFM
TTN
TTR
TUBA4A
TUBB3
TWNK
TYMP
UBA1
UBQLN2
UNC13A
UNC45B
VAMP1
VAPB
VCL
VCP
VMA21
VPS13A
VRK1
VWA1
WARS
WNK1
YARS
YARS2
ZBTB42
ZC4H2
ZFHX2
ZNHIT3

AARS	BET1	COQ4	EPG5	GOLGA2
AARS2	BICD2	COQ6	ERBB3	GOSR2
ABCC9	BIN1	COQ7	ERBB4	GYG1
ABHD5	BSCL2	COQ8A	ETFA	GYS1
ACAD9	BVES	COQ9	ETFB	HACD1
ACADM	C1orf194	COX15	ETFDH	HADHA
ACADVL	C9orf72	COX16	EXOSC3	HADHB
ACTA1	CACNA1A	COX20	EXOSC8	HARS
ACTC1	CACNA1H	COX6A1	EYA4	HEXB
ACTN2	CACNA1S	COX6A2	FAM111B	HINT1
ACVR1	CADM3	CPT2	FASTKD2	HK1
ADCY6	CALR3	CRYAB	FBLN5	HMGCR
ADGRG6	CAPN3	CSRP3	FBXL4	HNRNPA1
ADPRHL2	CASQ1	CTDP1	FBXO38	HNRNPA2B1
ADSSL1	CAV3	DAG1	FDX2	HNRNPDL
AGL	CAVIN1	DCAF8	FGD4	HOXD10
AGRN	CAVIN4	DCTN1	FHL1	HRAS
AHNAK2	CCDC78	DES	FIG4	HSPB1
AIFM1	CCT5	DGAT2	FKBP14	HSPB3
ALDOA	CFL2	DGUOK	FKRP	HSPB8
ALG14	CHAT	DHTKD1	FKTN	HSPG2
ALG2	CHCHD10	DHX16	FLAD1	IGHMBP2
ALPK3	CHD8	DMD	FLNA	ILK
ALS2	CHKB	DMPK	FLNC	INF2
AMPD1	CHMP2B	DNA2	FLVCR1	INPP5K
ANG	CHRNA1	DNAJB2	FUS	ISCU
ANKRD1	CHRNA1	DNAJB4	FXR1	ISPD
ANO5	CHRNA1	DNAJB6	GAA	ITGA7
ANXA11	CHRNE	DNM2	GAN	ITPR3
APOO	CHRNA1	DNMT1	GARS	JAG1
AR	CLCN1	DOK7	GATAD1	JAG2
ARHGEF10	CLN3	DOLK	GBE1	JPH2
ASAH1	CLTCL1	DPAGT1	GBF1	KARS
ASCC1	CNBP	DPM1	GDAP1	KBTD13
ASCC3	CNTN1	DPM2	GFER	KCNA1
ATL1	CNTNAP1	DPM3	GFPT1	KCNE3
ATL3	COL12A1	DSG2	GGPS1	KIF1A
ATP1A1	COL13A1	DST	GIPC1	KIF1B
ATP1A2	COL25A1	DTNA	GJB1	KIF21A
ATP2A1	COL4A1	DYNC1H1	GJB3	KIF26B
ATP7A	COL4A2	DYSF	GLDN	KIF5A
ATXN2	COL6A1	ECEL1	GLDC	KLHL40
B3GALNT2	COL6A2	EGR2	GLE1	KLHL41
B4GALNT1	COL6A3	ELP1	GMPPB	KLHL9
B4GAT1	COLQ	EMD	GNB4	KY
BAG3	COQ2	ENO3	GNE	LAMA2

LAMA4	MTMR14	PAX7	RAF1	SLC7A7
LAMA5	MTMR2	PKD3	RAPSN	SLC9A3R1
LAMB2	MTO1	PFKM	RBCK1	SMCHD1
LAMP2	MUSK	PFN1	RBM20	SMPD4
LARGE1	MYBPC1	PGAM2	RBM7	SMPX
LDB3	MYBPC3	PGK1	REEP1	SNAP25
LDHA	MYF5	PGM1	RETREG1	SOD1
LETM1	MYH1	PHKA1	RFC1	SPEG
LIG3	MYH14	PHKB	RNASEH1	SPG11
LIMS2	MYH2	PHOX2A	RPH3A	SPTAN1
LITAF	MYH3	PIEZO2	RRM2B	SPTBN4
LMNA	MYH6	PIP5K1C	RXYLT1	SPTLC1
LMOD3	MYH7	PLEC	RYR1	SPTLC2
LPIN1	MYH8	PLEKHG5	RYR3	SQSTM1
LRIF1	MYL1	PLIN4	SACS	STAC3
LRP10	MYL2	PLN	SBF1	STATH
LRP12	MYL3	PMP2	SBF2	STIM1
LRP4	MYLK2	PMP22	SCN11A	SUCLA2
LRSAM1	MYLPF	PNKP	SCN4A	SUCLG1
MACF1	MYMK	PNPLA2	SCN5A	SURF1
MAP3K20	MYO18B	PNPLA8	SCN9A	SVIL
MAPT	MYO9A	POGLUT1	SCO2	SYNE1
MARS	MYOD1	POLG	SDHA	SYNE2
MATR3	MYOT	POLG2	SELENON	SYT2
MB	MYOZ2	POMGNT1	SEPT9	TANGO2
MCM3AP	MYPN	POMGNT2	SETX	TARDBP
MCOLN1	NAGLU	POMK	SGCA	TAZ
MEGF10	NARS	POMT1	SGCB	TBK1
MET	NDRG1	POMT2	SGCD	TCAP
MFN2	NDUFAF1	POPDC3	SGCE	TFG
MGME1	NEB	PPA2	SGCG	TIA1
MIB1	NEFH	PRDM12	SGPL1	TIMM22
MICU1	NEFL	PRDM16	SH3TC2	TK2
MLIP	NEK1	PREPL	SIGMAR1	TMEM126B
MME	NEK9	PRKAG2	SIL1	TMEM43
MORC2	NEXN	PRPH	SLC12A6	TMEM65
MPDU1	NGF	PRPS1	SLC16A1	TMPO
MPV17	NMNAT2	PRUNE1	SLC18A3	TNNC1
MPZ	NOTCH2NLA	PRX	SLC22A5	TNNC2
MRPL3	NSUN3	PSAT1	SLC25A1	TNNI2
MRPL44	NTRK1	PSEN1	SLC25A20	TNNI3
MRPS25	NUP88	PSEN2	SLC25A4	TNNT1
MSTN	OBSCN	PTRH2	SLC25A42	TNNT2
MSTO1	OPA1	PUS1	SLC25A46	TNNT3
MT-CO1	OPTN	PYGM	SLC52A2	TNPO3
MT-CO2	ORAI1	PYROXD1	SLC52A3	TOP3A
MTM1	PABPN1	RAB7A	SLC5A7	TOR1A

TOR1AIP1
TPM1
TPM2
TPM3
TRAPPC11
TRDN
TRIM2
TRIM32
TRIM54
TRIM63
TRIP4
TRPV4
TSEN54
TSFM
TTN
TTR
TUBA4A
TUBB3
TWNK
TYMP
UBA1
UBQLN2
UNC13A
UNC45B
VAMP1
VAPB
VCL
VCP
VMA21
VPS13A
VRK1
VWA1
WARS
WNK1
YARS
YARS2
ZBTB42
ZC4H2
ZFHX2
ZNHIT3

Neuromuskulaaritaudit		Geenejä 505 kpl	Versio 3	30.4.2024
AARS	BICD2	COQ7	ETFA	HADHA
AARS2	BIN1	COQ8A	ETFB	HADHB
ABCC9	BSCL2	COQ9	ETFDH	HARS
ABHD5	BVES	COX15	EXOSC3	HEXB
ACAD9	C1orf194	COX16	EXOSC8	HINT1
ACADM	C9orf72	COX20	EYA4	HK1
ACADVL	CACNA1A	COX6A1	FAM111B	HMGCR
ACTA1	CACNA1H	COX6A2	FASTKD2	HNRNPA1
ACTC1	CACNA1S	CPT2	FBLN5	HNRNPA2B1
ACTN2	CADM3	CRYAB	FBXL4	HNRNPDL
ACVR1	CALR3	CSRP3	FBXO38	HOXD10
ADCY6	CAPN3	CTDP1	FDX2	HRAS
ADGRG6	CASQ1	DAG1	FGD4	HSPB1
ADPRHL2	CAV3	DCAF8	FHL1	HSPB3
ADSSL1	CAVIN1	DCTN1	FIG4	HSPB8
AGL	CAVIN4	DES	FKBP14	HSPG2
AGRN	CCDC78	DGAT2	FKRP	IGHMBP2
AHNAK2	CCT5	DGUOK	FKTN	ILK
AIFM1	CFL2	DHTKD1	FLAD1	INF2
ALDOA	CHAT	DHX16	FLNA	INPP5K
ALG14	CHCHD10	DMD	FLNC	ISCU
ALG2	CHD8	DMPK	FLVCR1	ISPD
ALPK3	CHKB	DNA2	FUS	ITGA7
ALS2	CHMP2B	DNAJB2	FXR1	ITPR3
AMPD1	CHRNA1	DNAJB4	GAA	JAG1
ANG	CHRNA1	DNAJB6	GAN	JAG2
ANKRD1	CHRND	DNM2	GARS	JPH2
ANO5	CHRNE	DNMT1	GATAD1	KARS
ANXA11	CHRNA1	DOK7	GBE1	KBTBD13
APOO	CLCN1	DOLK	GBF1	KCNA1
AR	CLN3	DPAGT1	GDAP1	KCNE3
ARHGEF10	CLTCL1	DPM1	GFER	KIF1A
ASAH1	CNBP	DPM2	GFPT1	KIF1B
ASCC1	CNTN1	DPM3	GGPS1	KIF21A
ASCC3	CNTNAP1	DSG2	GIPC1	KIF26B
ATL1	COL12A1	DST	GJB1	KIF5A
ATL3	COL13A1	DTNA	GJB3	KLHL40
ATP1A1	COL25A1	DYNC1H1	GLDN	KLHL41
ATP1A2	COL4A1	DYSF	GLE1	KLHL9
ATP2A1	COL4A2	ECEL1	GMPPB	KY
ATP7A	COL6A1	EGR2	GNB4	LAMA2
ATXN2	COL6A2	ELP1	GNE	LAMA4
B3GALNT2	COL6A3	EMD	GOLGA2	LAMA5
B4GALNT1	COLQ	ENO3	GOSR2	LAMB2
B4GAT1	COQ2	EPG5	GYG1	LAMP2
BAG3	COQ4	ERBB3	GYS1	LARGE1
BET1	COQ6	ERBB4	HACD1	LDB3

LDHA	MYH1	PHKB	RPH3A	SPG11
LETM1	MYH14	PHOX2A	RRM2B	SPTAN1
LIG3	MYH2	PIEZO2	RXYLT1	SPTBN4
LIMS2	MYH3	PIP5K1C	RYR1	SPTLC1
LITAF	MYH6	PLEC	RYR3	SPTLC2
LMNA	MYH7	PLEKHG5	SACS	SQSTM1
LMOD3	MYH8	PLIN4	SBF1	STAC3
LPIN1	MYL1	PLN	SBF2	STATH
LRIF1	MYL2	PMP2	SCN11A	STIM1
LRP10	MYL3	PMP22	SCN4A	SUCLA2
LRP12	MYLK2	PNKP	SCN5A	SUCLG1
LRP4	MYLPF	PNPLA2	SCN9A	SURF1
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MCOLN1	NARS	POMT2	SGCE	TCAP
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MFN2	NEB	PRDM12	SH3TC2	TIMM22
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MORC2	NGF	PRUNE1	SLC22A5	TNNC1
MPDU1	NMNAT2	PRX	SLC25A1	TNNC2
MPV17	NOTCH2NLA	PSAT1	SLC25A20	TNNI2
MPZ	NSUN3	PSEN1	SLC25A4	TNNI3
MRPL3	NTRK1	PSEN2	SLC25A42	TNNT1
MRPL44	NUP88	PTRH2	SLC25A46	TNNT2
MRPS25	OBSCN	PUS1	SLC52A2	TNNT3
MSTN	OPA1	PYGM	SLC52A3	TNPO3
MSTO1	OPTN	PYROXD1	SLC5A7	TOP3A
MT-CO1	ORAI1	RAB7A	SLC9A3R1	TOR1A
MT-CO2	PABPN1	RAF1	SMCHD1	TOR1AIP1
MTM1	PAX7	RAPSN	SMN1	TPM1
MTMR14	PDK3	RBCK1	SMN2	TPM2
MTMR2	PFKM	RBM20	SMPD4	TPM3
MTO1	PFN1	RBM7	SMPX	TRAPPC11
MUSK	PGAM2	REEP1	SNAP25	TRDN
MYBPC1	PGK1	RETREG1	SOD1	TRIM2
MYBPC3	PGM1	RFC1	SORD	TRIM32
MYF5	PHKA1	RNASEH1	SPEG	TRIM54

TRIM63
TRIP4
TRPV4
TSEN54
TSFM
TTN
TTR
TUBA4A
TUBB3
TWNK
TYMP
UBA1
UBQLN2
UNC13A
UNC45B
VAMP1
VAPB
VCL
VCP
VMA21
VPS13A
VRK1
VWA1
WARS
WNK1
YARS
YARS2
ZBTB42
ZC4H2
ZFHX2