

**Geeni**

ABHD5  
ACADS  
ACADVL  
ACTA1  
ACTN3  
ACVR1  
AGL  
ANO5  
ATP2A1  
B3GNT1  
BAG3  
BIN1  
CACNA1A  
CACNA1S  
CAPN3  
CAV3  
CFL2  
CHKB  
CKM  
CLCN1  
CMYA5  
CNBP  
CNTN1  
COL6A1  
COL6A2  
COL6A3  
CPT2  
CRYAB  
CSRP3  
CUGBP1  
DAG1  
DES  
DHPR  
DMD  
DMPK  
DNAJB6  
DNM2  
DPM2  
DPM3  
DUX4  
DYSF  
EMD  
ENO3  
ETFA  
ETFB  
ETFDH  
FBXO32  
FHL1  
FHL2

**Geenikuvaus**

Abhydrolase domain containing 5  
Acyl-CoA dehydrogenase, C-2 to C-3 short chain  
Acyl-CoA dehydrogenase, very long chain  
 $\alpha$ -aktiini1  
 $\alpha$ -aktiiniini 3  
Activin A receptor , type 1  
amylo-alpha-1, 6-glucosidase, 4-alpha-glucanotransferase  
Anoctamin 5  
ATPase, Ca<sup>++</sup> transporting, cardiac muscle, fast twitch 1  
 $\beta$ -1,3-N-acetylglucosaminyltransferase 1  
BLC2-associated athanogene  
Amphiphysin  
Calcium channel, voltage-dependent, P/Q type, alpha 1A subunit  
Calcium channel, voltage-dependent, L type, alpha 1S subunit  
kalpaiini 3  
kaveoliini 3  
Cofilin 2  
Choline Kinase beta  
kreatiini kinaasi  
kloridikanava 1  
cardiomyopathy associated 5 (Myospryn)  
CCHC-type zinc finger, nucleic acid binding protein  
Contactin-1  
Collagen type VI subunit alpha 1  
Collagen type VI subunit alpha 2  
Collagen type VI subunit alpha 3  
Carnitine palmitoyltransferase 2  
crystallin, alpha B  
cysteine and glycine-rich protein 3 (cardiac LIM protein)  
CUG triplet repeat, RNA binding protein 1  
Dystroglycan 1  
desmin  
QDPR quinoid dihydropteridine reductase  
dystrofiini  
Dystrophia myotonica-protein kinase  
HSP-40 homologue subfamily B, number 6  
Dynamin 2  
Dolichyl-phosphate mannosyl-transferase poypeptide 2, reg subunit  
Dolichyl-phosphate mannosyl-transferase poypeptide 3  
Double Homeobox 4  
dysferliini  
Emerin  
Enolase 3 (beta, muscle)  
electron-transfer-flavoprotein, alpha polypeptide  
Electron-transfer-flavoprotein, beta polypeptide  
electron-transferring-flavoprotein dehydrogenase  
Atrogin-1, muscle atrophy F-box protein  
Four and a half LIM domain  
Four and a half LIM domains protein 2

FKRP	Fukutin related protein
FKTN	Fukutin
FLNC	filamiini C
GAA	glucosidase, alpha; acid
GBE1	glucan (1,4-alpha-), branching enzyme 1
GNE	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase
GTDC2	Glycosyltransferas-like domain containing 2
GYS1	glycogen synthase 1 (muscle)
ISCU	Iron-sulfur cluster scaffold homolog
ISPD	Isoprenoid synthase domain containing
ITGA7	Integrin
KBTBD13	Kelch repeat and BTB domain cont 13
KCNE1	Potassium voltage-gated channel, Isk-related family, member 1
KCNE3	Potassium voltage-gated channel, Isk-related family, member 3
KCNJ2	Potassium inwardly-rectifying channel, subfamily J, member 2
KCNQ1	Potassium voltage-gated channel, KQT-like subfamily, member 1
KLHL9	Kelch-like-9
KY	Kyphoscoliosis peptidase
LAMA2	Laminin alpha 2 chain of merosin (laminin -2)
LAMP1	Lysosomal-associated membrane protein 1
LAMP2	Lysosomal-associated membrane proteine 2
LARGE	Like-glycosyl transferase
LDB3	ZASP, Z-band alternatively spliced PDZ-motif protein
LDHA	lactate dehydrogenase A
LDHB	lactate dehydrogenase B
LIFR	Leukemia inhibitory factor receptor alpha
LMNA	Lamin A/C
MATR3	matrin3
MBNL1	muscleblind-like protein 1
MBNL2	muscleblind-like protein 2
MBNL3	muscleblind-like protein 3
MEGF10	Multiple EGF-like domain
MSTN	Myostatin
MTM1	Myotubularin 1
MTMR14	Myotubularin related protein 14
MURF1	muscle-specific RING finger protein 1
MURF2	muscle-specific RING finger protein 2
MYBPC2	Myosin binding protein C, fast type
MYBPC3	Cardiac myosin binmding protein C
MYH1	myosiini 1
MYH2	myosiini 2
MYH3	Myosin, heavy chain 3, skeletal muscle, embryonic
MYH4	myosiini 4
MYH7	myosiini 7
MYH8	Myosin, heavy chain 8, skeletal muscle, perinatal
MYL1	myosin, light chain 1, alkali; skeletal, fast
MYL2	myosin, light chain 2, regulatory, cardiac, slow
MYL3	myosin, light chain 3, alkali; ventricular, skeletal, slow
MYL4	myosin, light chain 4, alkali; atrial, embryonic
MYL5	myosin, light chain 5, regulatory

MYL6	myosin, light chain 6, alkali, smooth muscle and non-muscle
MYL6B	myosin, light chain 6B, alkali, smooth muscle and non-muscle
MYL7	myosin, light chain 7, regulatory
MYL9	myosin, light chain 9, regulatory
MYL10	myosin, light chain 10, regulatory
MYL12A	myosin, light chain 12A, regulatory, non-sarcomeric
MYL12B	myosin, light chain 12B, regulatory
MYLIP	myosin regulatory light chain interacting protein
MYLK	myosin light chain kinase
MYLK2	myosin light chain kinase 2
MYLK3	myosin light chain kinase 3
MYLK4	myosin light chain kinase family, member 4
MYLPF	myosin light chain, phosphorylatable, fast skeletal muscle
MYOM1	myomesiini 1
MYOM2	myomesiini 2 (also M-protein)
MYOM3	myomesiini 3
MYOT	myotiliini
MYOZ1	myozenin 1
MYOZ2	myozenin 2 (FATZ-related protein 2)
MYOZ3	myozenin 3 (FATZ-related protein 3)
MYPN	Myopalladin
NBR1	Neighbor of BRCA1 gene 1
NEB	nebuliini
NEBL	nebulette
NTRK1	neurotrophic tyrosine kinase, receptor, type 1
OBSCN	obskuriini
OBSL1	obscurin like -1
PABPN1	Poly(A) binding protein nuclear 1
PALB	TTR, transthyretin precursor (Prealbumin)
PDLIM3	ALP
PDLIM5	ENH
PDLIM7	ENIGMA
PFKM	phosphofructokinase, muscle
PGAM2	Phosphoglycerate mutase 2 (muscle)
PGK1	Phosphoglycerate kinase 1
PGM1	phosphoglucomutase 1
PLEC1	Plectin
PLEKHG4	pleckstrin homology domain containing, family G
PLN	cardiac phospholamban (PLB)
PNPLA2	Patatin-like phospholipase domain containing 2
POMGNT1	Protein O-linked-mannose beta 1,2-N acetylglucosaminyltransferase 1
POMT1	Protein O-mannosyltransferase
POMT2	Protein O-mannosyltransferase 2
PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit
PTRF	Polymerase I and transcript release factor (cavin-1)
PYGM	phosphorylase, glycogen, muscle
RYR1	ryanodiiniireseptori 1
SCN4A	sodium channel, voltage-gated, type IV, alpha subunit
SEPN1	Selenoprotein
SGCA	Alpha-sarcoglycan

SGCB	Beta-sarcoglycan
SGCD	Delta-sarcoglycan
SGCG	Gamma-sarcoglycan
SLC22A5	solute carrier family 22 (organic cation/carnitine transporter), member 5
SLC25A20	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20
SOX10	SRY (sex determining region Y)-box 10
SQSTM1	sequestosome 1
SRF	serum response factor
SYNE1	Spectrin repeat cont (nesprin 1)
SYNE2	Spectrin repeat cont (nesprin 2)
SYNE3	nesprin3
SYNPO2	synaptopodin 2
TCAP	teletoniini
TIA1	T-cell restricted intracellular antigen
TMEM43	Transmembrane protein 43 (LUMA)
TMEM5	transmembrane protein 5
TMOD3	tropomoduliini
TNNC1	troponin C type 1 (slow)
TNNC2	troponin C type 2 (fast)
TNNI1	troponiini I 1
TNNI2	troponiini I 2
TNNI3	troponiini I 3
TNNT1	troponiini T 1
TNNT3	troponiini T 3
TPM1	tropomyosiini 1
TPM2	tropomyosiini 2
TPM3	tropomyosiini 3
TRIM32	Tripartite motif containing 32
TTN	titiini
VCP	Valosin containing protein
VMA21	VMA21 vacuolar H <sup>+</sup> -ATPase homolog

**Geenejä: 180**

