

Gene	Alias	% of coding sequence sufficiently covered to detect heterozygous mutations	panel
AARS1		100%	Muscle disorder
ABAT		100%	Muscle disorder
ABHD5		100%	Muscle disorder
ACAD9		100%	Muscle disorder
ACADL		100%	Muscle disorder
ACADM		100%	Muscle disorder
ACADS		100%	Muscle disorder
ACADVL		100%	Muscle disorder
ACTA1		100%	Muscle disorder
ACTN2		100%	Muscle disorder
ACVR1		100%	Muscle disorder
ADCY5		99%	Muscle disorder
ADSS1		100%	Muscle disorder
AFG3L2		100%	Muscle disorder
AGK		100%	Muscle disorder
AGL		100%	Muscle disorder
AGRN		100%	Muscle disorder
AHCY		100%	Muscle disorder
AIFM1		100%	Muscle disorder
ALDOA		100%	Muscle disorder
ALG2		100%	Muscle disorder
ALG13		100%	Muscle disorder
ALG14		100%	Muscle disorder
ALS2		100%	Muscle disorder
AMACR		100%	Muscle disorder
AMPD1		100%	Muscle disorder
ANG		100%	Muscle disorder
ANO5		100%	Muscle disorder
APOO		100%	Muscle disorder
AR		100%	Muscle disorder
ASAH1		99%	Muscle disorder
ASCC1		90%	Muscle disorder
ASCC3		100%	Muscle disorder
ASPH		99%	Muscle disorder
ATP1A2		100%	Muscle disorder
ATP2A1		100%	Muscle disorder
ATP5F1D		100%	Muscle disorder
ATP5F1E		100%	Muscle disorder
ATP7A		100%	Muscle disorder
ATP7B		100%	Muscle disorder
ATXN2		96%	Muscle disorder
B3GALNT2		100%	Muscle disorder
B4GAT1		100%	Muscle disorder
BAG3		100%	Muscle disorder
BCS1L		100%	Muscle disorder
BICD2		100%	Muscle disorder



COQ9		100%	Muscle disorder
COX4I1		100%	Muscle disorder
COX4I2		100%	Muscle disorder
COX6A2		100%	Muscle disorder
COX6B1		100%	Muscle disorder
COX8A		100%	Muscle disorder
COX10		100%	Muscle disorder
COX14		100%	Muscle disorder
COX15		100%	Muscle disorder
COX16		100%	Muscle disorder
COX20		100%	Muscle disorder
CPT1A		100%	Muscle disorder
CPT2		100%	Muscle disorder
CRPPA		100%	Muscle disorder
CRYAB		100%	Muscle disorder
CTDP1		99%	Muscle disorder
CYC1		100%	Muscle disorder
CYCS		100%	Muscle disorder
DAG1		100%	Muscle disorder
DAO		100%	Muscle disorder
DCST2		100%	Muscle disorder
DCTN1		100%	Muscle disorder
DDC		100%	Muscle disorder
DES		100%	Muscle disorder
DGUOK		100%	Muscle disorder
DHX16		100%	Muscle disorder
DMD		100%	Muscle disorder
DMPK		100%	Muscle disorder
DNA2		100%	Muscle disorder
DNAJB2		100%	Muscle disorder
DNAJB4		100%	Muscle disorder
DNAJB6		100%	Muscle disorder
DNAJC19		100%	Muscle disorder
DNM1L		100%	Muscle disorder
DNM2		100%	Muscle disorder
DNMT3B		100%	Muscle disorder
DOK7		100%	Muscle disorder
DOLK		100%	Muscle disorder
DPAGT1		100%	Muscle disorder
DPM1		94%	Muscle disorder
DPM2		100%	Muscle disorder
DPM3		100%	Muscle disorder
DUX4		100%	Muscle disorder
DYNC1H1		100%	Muscle disorder
DYSF		100%	Muscle disorder
ECEL1		100%	Muscle disorder
EMD		100%	Muscle disorder
ENO3		100%	Muscle disorder
EPG5		100%	Muscle disorder
ERBB3		100%	Muscle disorder

ERBB4		100%	Muscle disorder
ETFA		100%	Muscle disorder
ETFB		100%	Muscle disorder
ETFDH		100%	Muscle disorder
EXOSC3		100%	Muscle disorder
EXOSC8		100%	Muscle disorder
FAM111B		100%	Muscle disorder
FASTKD2		100%	Muscle disorder
FBLN5		100%	Muscle disorder
FBN2		100%	Muscle disorder
FBXL4		100%	Muscle disorder
FBXO38		100%	Muscle disorder
FDX2		100%	Muscle disorder
FHL1		100%	Muscle disorder
FIG4		100%	Muscle disorder
FKBP14		100%	Muscle disorder
FKRP		100%	Muscle disorder
FKTN		100%	Muscle disorder
FLAD1		100%	Muscle disorder
FLNC		100%	Muscle disorder
FOXRED1		100%	Muscle disorder
FUS		100%	Muscle disorder
FXR1		100%	Muscle disorder
GAA		100%	Muscle disorder
GABRA3		100%	Muscle disorder
GARS1		100%	Muscle disorder
GATM		100%	Muscle disorder
GBE1		100%	Muscle disorder
GDAP1		100%	Muscle disorder
GFER		100%	Muscle disorder
GFPT1		100%	Muscle disorder
GGPS1		100%	Muscle disorder
GIPC1		100%	Muscle disorder
GLE1		100%	Muscle disorder
GLI3		100%	Muscle disorder
GMPPB		100%	Muscle disorder
GNE		100%	Muscle disorder
GOLGA2		100%	Muscle disorder
GOSR2		100%	Muscle disorder
GRN		100%	Muscle disorder
GYG1		100%	Muscle disorder
GYS1		100%	Muscle disorder
HACD1		100%	Muscle disorder
HADH		100%	Muscle disorder
HADHA		100%	Muscle disorder
HADHB		100%	Muscle disorder
HARS1		100%	Muscle disorder
HCCS		100%	Muscle disorder
HEXB		97%	Muscle disorder
HINT1		100%	Muscle disorder

HMBS		100%	Muscle disorder
HMGCR		100%	Muscle disorder
HNRNPA1		100%	Muscle disorder
HNRNPA2B1		100%	Muscle disorder
HNRNPDL		100%	Muscle disorder
HRAS		100%	Muscle disorder
HSPB1		100%	Muscle disorder
HSPB3		100%	Muscle disorder
HSPB8		100%	Muscle disorder
HSPG2		100%	Muscle disorder
IBA57		100%	Muscle disorder
IGHMBP2		100%	Muscle disorder
INPP5K		100%	Muscle disorder
ISCU		100%	Muscle disorder
ITGA7		100%	Muscle disorder
JAG2		99%	Muscle disorder
KBTBD13		100%	Muscle disorder
KCNA1		100%	Muscle disorder
KCNE3		100%	Muscle disorder
KCNH2		100%	Muscle disorder
KCNJ2		100%	Muscle disorder
KCNJ5		100%	Muscle disorder
KCNJ18		100%	Muscle disorder
KCNQ1		99%	Muscle disorder
KIF5A		100%	Muscle disorder
KIF21A		99%	Muscle disorder
KLHL9		100%	Muscle disorder
KLHL40		100%	Muscle disorder
KLHL41		100%	Muscle disorder
KY		100%	Muscle disorder
LAMA2		100%	Muscle disorder
LAMA5		100%	Muscle disorder
LAMB2		100%	Muscle disorder
LAMP2		100%	Muscle disorder
LARGE1		100%	Muscle disorder
LAS1L		100%	Muscle disorder
LDB3		100%	Muscle disorder
LDHA		100%	Muscle disorder
LGI4		100%	Muscle disorder
LIG3		100%	Muscle disorder
LIMS2		100%	Muscle disorder
LMNA		100%	Muscle disorder
LMOD3		100%	Muscle disorder
LPIN1		100%	Muscle disorder
LRIF1		100%	Muscle disorder
LRP4		100%	Muscle disorder
LRP12		100%	Muscle disorder
LRPPRC		100%	Muscle disorder
LYRM7		78%	Muscle disorder
MACF1		100%	Muscle disorder

MAN2B1		100%	Muscle disorder
MAP3K20		99%	Muscle disorder
MATR3		100%	Muscle disorder
MB		100%	Muscle disorder
MCCC1		100%	Muscle disorder
MCCC2		100%	Muscle disorder
MCM3AP		100%	Muscle disorder
MCOLN1		100%	Muscle disorder
MEGF10		100%	Muscle disorder
MET		100%	Muscle disorder
MFF		100%	Muscle disorder
MFN2		100%	Muscle disorder
MGME1		100%	Muscle disorder
MICU1		100%	Muscle disorder
MIEF2		100%	Muscle disorder
MLIP		100%	Muscle disorder
MME		100%	Muscle disorder
MPDU1		100%	Muscle disorder
MPV17		100%	Muscle disorder
MRPS25		100%	Muscle disorder
MSTN		100%	Muscle disorder
MSTO1		100%	Muscle disorder
MTM1		100%	Muscle disorder
MTMR14		100%	Muscle disorder
MTTP		100%	Muscle disorder
MUSK		100%	Muscle disorder
MYBPC1		100%	Muscle disorder
MYBPC3		100%	Muscle disorder
MYF5		100%	Muscle disorder
MYF6		100%	Muscle disorder
MYH2		100%	Muscle disorder
MYH3		100%	Muscle disorder
MYH7		100%	Muscle disorder
MYH8		100%	Muscle disorder
MYH14		100%	Muscle disorder
MYL1		100%	Muscle disorder
MYL2		100%	Muscle disorder
MYLPF		100%	Muscle disorder
MYMK		100%	Muscle disorder
MYO9A		100%	Muscle disorder
MYO18B		100%	Muscle disorder
MYOD1		100%	Muscle disorder
MYOT		100%	Muscle disorder
MYPN		100%	Muscle disorder
NDUFA1		100%	Muscle disorder
NDUFA2		100%	Muscle disorder
NDUFA3		100%	Muscle disorder
NDUFA4		100%	Muscle disorder
NDUFA9		100%	Muscle disorder
NDUFA10		100%	Muscle disorder

NDUFA11		98%	Muscle disorder
NDUFA12		100%	Muscle disorder
NDUFA13		100%	Muscle disorder
NDUF AF1		100%	Muscle disorder
NDUF AF2		100%	Muscle disorder
NDUF AF3		100%	Muscle disorder
NDUF AF4		100%	Muscle disorder
NDUF AF5		100%	Muscle disorder
NDUF AF6		100%	Muscle disorder
NDUFB3		100%	Muscle disorder
NDUFB9		100%	Muscle disorder
NDUFB10		100%	Muscle disorder
NDUFB11		97%	Muscle disorder
NDUFS1		100%	Muscle disorder
NDUFS2		100%	Muscle disorder
NDUFS3		100%	Muscle disorder
NDUFS4		100%	Muscle disorder
NDUFS6		100%	Muscle disorder
NDUFS7		100%	Muscle disorder
NDUFS8		100%	Muscle disorder
NDUFV1		100%	Muscle disorder
NDUFV2		100%	Muscle disorder
NEB		100%	Muscle disorder
NEFH		100%	Muscle disorder
NEFL		100%	Muscle disorder
NOTCH2NLC		100%	Muscle disorder
NSUN3		100%	Muscle disorder
NUBPL		100%	Muscle disorder
OPA1		100%	Muscle disorder
OPA3		100%	Muscle disorder
OPTN		100%	Muscle disorder
ORAI1		99%	Muscle disorder
P4HA1		100%	Muscle disorder
PABPN1		100%	Muscle disorder
PAM16		100%	Muscle disorder
PAX7		100%	Muscle disorder
PDHA1		99%	Muscle disorder
PDSS1		99%	Muscle disorder
PDSS2		100%	Muscle disorder
PET100		100%	Muscle disorder
PET117		100%	Muscle disorder
PFKM		100%	Muscle disorder
PFN1		100%	Muscle disorder
PGAM2		100%	Muscle disorder
PGK1		100%	Muscle disorder
PGM1		100%	Muscle disorder
PHKA1		100%	Muscle disorder
PHKB		100%	Muscle disorder
PHKG1		100%	Muscle disorder
PHOX2A		100%	Muscle disorder

PIEZO2		100%	Muscle disorder
PIP5K1C		99%	Muscle disorder
PLA2G6		100%	Muscle disorder
PLEC		100%	Muscle disorder
PLEKHG5		100%	Muscle disorder
PLIN4		100%	Muscle disorder
PNPLA2		100%	Muscle disorder
PNPLA8		100%	Muscle disorder
POGLUT1		100%	Muscle disorder
POLG		100%	Muscle disorder
POLG2		100%	Muscle disorder
POMGNT1		100%	Muscle disorder
POMGNT2		100%	Muscle disorder
POMK		100%	Muscle disorder
POMT1		100%	Muscle disorder
POMT2		100%	Muscle disorder
POPDC3		100%	Muscle disorder
PPA2		96%	Muscle disorder
PREPL		100%	Muscle disorder
PRKAG2		92%	Muscle disorder
PRPH		100%	Muscle disorder
PTRH2		100%	Muscle disorder
PUS1		100%	Muscle disorder
PYGM		100%	Muscle disorder
PYROXD1		100%	Muscle disorder
QDPR		100%	Muscle disorder
RAPSN		100%	Muscle disorder
RBCK1		100%	Muscle disorder
RBM7		100%	Muscle disorder
RDH11		100%	Muscle disorder
REEP1		100%	Muscle disorder
RNASEH1		100%	Muscle disorder
RPH3A		99%	Muscle disorder
RRM2B		100%	Muscle disorder
RXYLT1		100%	Muscle disorder
RYR1		100%	Muscle disorder
RYR3		100%	Muscle disorder
SAMHD1		100%	Muscle disorder
SBDS		100%	Muscle disorder
SCN4A		100%	Muscle disorder
SCO1		100%	Muscle disorder
SCO2		100%	Muscle disorder
SDHA		100%	Muscle disorder
SELENON		90%	Muscle disorder
SEPTIN9		100%	Muscle disorder
SERAC1		100%	Muscle disorder
SETX		100%	Muscle disorder
SGCA		100%	Muscle disorder
SGCB		100%	Muscle disorder
SGCD		100%	Muscle disorder

SGCG		100%	Muscle disorder
SIGMAR1		100%	Muscle disorder
SIL1		100%	Muscle disorder
SLC1A3		100%	Muscle disorder
SLC2A1		100%	Muscle disorder
SLC5A7		100%	Muscle disorder
SLC16A1		100%	Muscle disorder
SLC18A3		100%	Muscle disorder
SLC22A5		100%	Muscle disorder
SLC25A1		100%	Muscle disorder
SLC25A3		100%	Muscle disorder
SLC25A4		100%	Muscle disorder
SLC25A20		100%	Muscle disorder
SLC25A32		100%	Muscle disorder
SLC25A42		100%	Muscle disorder
SLC52A2		100%	Muscle disorder
SLC52A3		100%	Muscle disorder
SMCHD1		100%	Muscle disorder
SMN1		100%	Muscle disorder
SMN2		100%	Muscle disorder
SMPD4		100%	Muscle disorder
SMPX		100%	Muscle disorder
SNAP25		100%	Muscle disorder
SOD1		100%	Muscle disorder
SPEG		100%	Muscle disorder
SPG7		100%	Muscle disorder
SPG11		100%	Muscle disorder
SPTBN4		100%	Muscle disorder
SQSTM1		100%	Muscle disorder
STAC3		100%	Muscle disorder
STAT2		100%	Muscle disorder
STIM1		100%	Muscle disorder
STIM2		100%	Muscle disorder
SUCLA2		100%	Muscle disorder
SUCLG1		100%	Muscle disorder
SUN1		100%	Muscle disorder
SUN2		100%	Muscle disorder
SURF1		100%	Muscle disorder
SVIL		100%	Muscle disorder
SYNE1		100%	Muscle disorder
SYNE2		100%	Muscle disorder
SYT2		100%	Muscle disorder
TACO1		100%	Muscle disorder
TAF15		100%	Muscle disorder
TANGO2		100%	Muscle disorder
TARDBP		100%	Muscle disorder
TARS2		100%	Muscle disorder
TAZ		100%	Muscle disorder
TCAP		100%	Muscle disorder
TFG		100%	Muscle disorder

TIA1		100%	Muscle disorder
TIMM8A		100%	Muscle disorder
TIMM22		100%	Muscle disorder
TIMM50		100%	Muscle disorder
TIMMDC1		100%	Muscle disorder
TK2		100%	Muscle disorder
TMEM43		100%	Muscle disorder
TMEM65		86%	Muscle disorder
TMEM126B		100%	Muscle disorder
TNNC2		100%	Muscle disorder
TNNI2		100%	Muscle disorder
TNNT1		100%	Muscle disorder
TNNT3		100%	Muscle disorder
TNPO3		100%	Muscle disorder
TOP3A		100%	Muscle disorder
TOR1AIP1		100%	Muscle disorder
TPM2		100%	Muscle disorder
TPM3		100%	Muscle disorder
TRAK1		100%	Muscle disorder
TRAPPC11		100%	Muscle disorder
TRDN		82%	Muscle disorder
TRIM32		100%	Muscle disorder
TRIM54		100%	Muscle disorder
TRIM63		100%	Muscle disorder
TRIP4		100%	Muscle disorder
TRMT5		100%	Muscle disorder
TRPV4		100%	Muscle disorder
TSEN54		98%	Muscle disorder
TSFM		94%	Muscle disorder
TTC19		100%	Muscle disorder
TTN		100%	Muscle disorder
TUBA4A		100%	Muscle disorder
TUBB3		100%	Muscle disorder
TWNK		100%	Muscle disorder
TYMP		100%	Muscle disorder
UBA1		100%	Muscle disorder
UBQLN2		100%	Muscle disorder
UNC13A		100%	Muscle disorder
UNC45B		100%	Muscle disorder
UQCC2		100%	Muscle disorder
UQCRC2		100%	Muscle disorder
VAMP1		100%	Muscle disorder
VAPB		100%	Muscle disorder
VARS1		100%	Muscle disorder
VCP		100%	Muscle disorder
VEGFA		100%	Muscle disorder
VMA21		100%	Muscle disorder
VPS13A		100%	Muscle disorder
VPS33B		100%	Muscle disorder
VRK1		100%	Muscle disorder

WARS1		100%	Muscle disorder
XK		100%	Muscle disorder
YARS2		100%	Muscle disorder
ZC4H2		100%	Muscle disorder