

Dept. of Molecular Medicine (MOMA), Aarhus University Hospital, Denmark
MOMA Heart Panel v4 (2018-08-15), 102 genes

Approved symbol	Approved name	HGNC ID	Location
ABCC9	ATP binding cassette subfamily C member 9	HGNC:60	12p12.1
ACTC1	actin, alpha, cardiac muscle 1	HGNC:143	15q14
ACTN2	actinin alpha 2	HGNC:164	1q43
AKAP9	A-kinase anchoring protein 9	HGNC:379	7q21.2
ANK2	ankyrin 2	HGNC:493	4q25-q26
ANKRD1	ankyrin repeat domain 1	HGNC:15819	10q23.31
ANO1	anoctamin 1	HGNC:21625	11q13.3
APOB	apolipoprotein B	HGNC:603	2p24.1
BAG3	BCL2 associated athanogene 3	HGNC:939	10q26.11
BEST3	bestrophin 3	HGNC:17105	12q15
CACNA1C	calcium voltage-gated channel subunit alpha1 C	HGNC:1390	12p13.33
CACNA2D1	calcium voltage-gated channel auxiliary subunit alpha2delta 1	HGNC:1399	7q21.11
CACNB2	calcium voltage-gated channel auxiliary subunit beta 2	HGNC:1402	10p12
CALM1	calmodulin 1	HGNC:1442	14q32.11
CALM2	calmodulin 2	HGNC:1445	2p21
CALM3	calmodulin 3	HGNC:1449	19q13.32
CASQ2	calsequestrin 2	HGNC:1513	1p13.1
CAV3	caveolin 3	HGNC:1529	3p25.3
CDH2	cadherin 2	HGNC:1759	18q12.1
CRYAB	crystallin alpha B	HGNC:2389	11q23.1
CSRP3	cysteine and glycine rich protein 3	HGNC:2472	11p15.1
CTNNA3	catenin alpha 3	HGNC:2511	10q21.3
DES	desmin	HGNC:2770	2q35
DMD	dystrophin	HGNC:2928	Xp21.2-p21.1
DNAJC19	DnaJ heat shock protein family (Hsp40) member C19	HGNC:30528	3q26.33
DSC2	desmocollin 2	HGNC:3036	18q12.1
DSG2	desmoglein 2	HGNC:3049	18q12.1
DSP	desmoplakin	HGNC:3052	6p24.3
DTNA	dystrobrevin alpha	HGNC:3057	18q12.1
EMD	emerin	HGNC:3331	Xq28
EYA4	EYA transcriptional coactivator and phosphatase 4	HGNC:3522	6q23.2
FHL1	four and a half LIM domains 1	HGNC:3702	Xq26.3
FHL2	four and a half LIM domains 2	HGNC:3703	2q12.2
FKTN	fukutin	HGNC:3622	9q31.2
FLNC	filamin C	HGNC:3756	7q32.1
FXN	frataxin	HGNC:3951	9q21.11
GATA4	GATA binding protein 4	HGNC:4173	8p23.1
GLA	galactosidase alpha	HGNC:4296	Xq22.1
GPD1L	glycerol-3-phosphate dehydrogenase 1 like	HGNC:28956	3p22.3
GAA	glucosidase alpha, acid	HGNC:4065	17q25.3
HCN4	hyperpolarization activated cyclic nucleotide gated potassium channel 4	HGNC:16882	15q24.1
JPH2	junctophilin 2	HGNC:14202	20q13.12
JUP	junction plakoglobin	HGNC:6207	17q21.2

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KCND3	potassium voltage-gated channel subfamily D member 3	HGNC:6239	1p13.2
KCNE1	potassium voltage-gated channel subfamily E regulatory subunit 1	HGNC:6240	21q22.12
KCNE2	potassium voltage-gated channel subfamily E regulatory subunit 2	HGNC:6242	21q22.11
KCNE3	potassium voltage-gated channel subfamily E regulatory subunit 3	HGNC:6243	11q13.4
KCNE5	potassium voltage-gated channel subfamily E regulatory subunit 5	HGNC:6241	Xq23
KCNH2	potassium voltage-gated channel subfamily H member 2	HGNC:6251	7q36.1
KCNJ2	potassium voltage-gated channel subfamily J member 2	HGNC:6263	17q24.3
KCNJ5	potassium voltage-gated channel subfamily J member 5	HGNC:6266	11q24.3
KCNJ8	potassium voltage-gated channel subfamily J member 8	HGNC:6269	12p12.1
KCNQ1	potassium voltage-gated channel subfamily Q member 1	HGNC:6294	11p15.5-p15.4
LAMA4	laminin subunit alpha 4	HGNC:6484	6q21
LAMP2	lysosomal associated membrane protein 2	HGNC:6501	Xq24
LDB3	LIM domain binding 3	HGNC:15710	10q23.2
LDLR	low density lipoprotein receptor	HGNC:6547	19p13.2
LMNA	lamin A/C	HGNC:6636	1q22
MYBPC3	myosin binding protein C, cardiac	HGNC:7551	11p11.2
MYH6	myosin heavy chain 6	HGNC:7576	14q11.2
MYH7	myosin heavy chain 7	HGNC:7577	14q11.2
MYL2	myosin light chain 2	HGNC:7583	12q24.11
MYL3	myosin light chain 3	HGNC:7584	3p21.31
MYOZ2	myozenin 2	HGNC:1330	4q26
MYPN	myopalladin	HGNC:23246	10q21.3
NEBL	nebulette	HGNC:16932	10p12.31
NEXN	nexilin F-actin binding protein	HGNC:29557	1p31.1
PCSK9	proprotein convertase subtilisin/kexin type 9	HGNC:20001	1p32.3
PKP2	plakophilin 2	HGNC:9024	12p11.21
PLN	phospholamban	HGNC:9080	6q22.31
PRDM16	PR/SET domain 16	HGNC:14000	1p36.32
PRKAG2	protein kinase AMP-activated non-catalytic subunit gamma 2	HGNC:9386	7q36.1
PSEN1	presenilin 1	HGNC:9508	14q24.2
PSEN2	presenilin 2	HGNC:9509	1q42.13
PTPN11	protein tyrosine phosphatase, non-receptor type 11	HGNC:9644	12q24.13
RAF1	Raf-1 proto-oncogene, serine/threonine kinase	HGNC:9829	3p25.2
RANGRF	RAN guanine nucleotide release factor	HGNC:17679	17p13
RBM20	RNA binding motif protein 20	HGNC:27424	10q25.2
RYR2	ryanodine receptor 2	HGNC:10484	1q43
SCN10A	sodium voltage-gated channel alpha subunit 10	HGNC:10582	3p22.2
SCN1B	sodium voltage-gated channel beta subunit 1	HGNC:10586	19q13.11
SCN2B	sodium voltage-gated channel beta subunit 2	HGNC:10589	11q23.3
SCN3B	sodium voltage-gated channel beta subunit 3	HGNC:20665	11q24.1
SCN4B	sodium voltage-gated channel beta subunit 4	HGNC:10592	11q23.3
SCN5A	sodium voltage-gated channel alpha subunit 5	HGNC:10593	3p22.2
SGCD	sarcoglycan delta	HGNC:10807	5q33.2-q33.3
SLC4A3	solute carrier family 4 member 3	HGNC:11029	2q35
SNTA1	syntrophin alpha 1	HGNC:11167	20q11.21

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TAZ	tafazzin	HGNC:11577	Xq28
TCAP	titin-cap	HGNC:11610	17q12
TMEM43	transmembrane protein 43	HGNC:28472	3p25.1
TMPO	thymopoietin	HGNC:11875	12q23.1
TNNC1	troponin C1, slow skeletal and cardiac type	HGNC:11943	3p21.1
TNNI3	troponin I3, cardiac type	HGNC:11947	19q13.4
TNNT2	troponin T2, cardiac type	HGNC:11949	1q32.1
TPM1	tropomyosin 1	HGNC:12010	15q22.2
TRDN	triadin	HGNC:12261	6q22.31
TRPM4	transient receptor potential cation channel subfamily M member 4	HGNC:17993	19q13.3
TTN	titin	HGNC:12403	2q31.2
TTR	transthyretin	HGNC:12405	18q12.1
VCL	vinculin	HGNC:12665	10q22.2
ZBTB17	zinc finger and BTB domain containing 17	HGNC:12936	1p36.13