

250 Sarcomere associated genes for HCM or cardiovascular disease risk candidate gene analysis

Known HCM linked genes in **Yellow**. GWAS linked genes in **Red**

ABRA	CORIN	KLHL31	MYOM3	SGCD
ACTA1	COX6A2	KLHL38	MYOZ1	SGCG
ACTA2	COX7A1	LAMB2	MYO22	SLC5A1
<b>ACTC1</b>	<b>CSRP3</b>	LBX1	MYPN	SLMAP
ACTG2	DAND5	<b>LDB3</b>	NDUFB10	SMPX
<b>ACTN2</b>	DES	LMOD1	NEB	SMTN
ADPRHL1	DHRS7C	LMOD2	<b>NEXN</b>	SMTNL1
AEBP1	DMPK	LMOD3	NKX2-5	SMYD1
ALPK2	DOK7	LPP	NPPB	SOD3
ALPK3	DUPD1	LRRC10	NPY6R	SORBS1
AMPD1	DUSP13	LRRC14B	NRAP	SPEG
ANKRD1	DUSP27	LRRC39	OBSCN	SRL
ANKRD2	DUSP3	LTBP1	ODZ2	SRPK3
ANO5	ENO3	MB	PALLD	STAC3
AOC3	FABP3	MCAM	PDE3A	SVIL
APOBEC2	FBLIM1	METTL11B	PDE5A	SYNM
ART1	FBP2	MFAP4	PDLIM3	SYNPO2
ASB10	FBXO40	MFGE8	PDLIM5	SYNPO2L
ASB11	FHL1	MGP	PDZRN3	TAGLN
ASB12	FILIP1	MITF	PGM5	TBX20
ASB15	FILIP1L	MLIP	PKP2	<b>TCAP</b>
ASB18	FITM1	MGRPRF	<b>PLN</b>	TECRL
ASB5	FLNA	MSRB3	POPDC2	TGFB111
ATP1B4	FLNC	MURC	POPDC3	TMEM182
ATP2A1	FSD2	MYBPC1	PPAPDC3	TMOD4
BVES	FYCO1	MYBPC2	PPP1R12B	<b>TNNC1</b>
C10ORF71	GATA4	<b>MYBPC3</b>	PPP1R27	TNNC2
C19ORF47	GJA3	MYF6	PPP1R3A	TNNI1
C1ORF170	GPD1L	MYH1	PRELP	<b>TNNI3</b>
C1QTNF7	HADHB	MYH11	PRKAG3	TNNT1
C20ORF166	HAND1	MYH2	PRKCDBP	<b>TNNT2</b>
C3ORF43	HFE2	<b>MYH6</b>	PRKG1	TNS1
C5ORF65	HRC	<b>MYH7</b>	PRSS42	<b>TPM1</b>
C8ORF22	HSPB3	MYH7B	PTGIS	TPM2
CACNA1S	HSPB6	MYL1	PTPLA	TRDN
CACNG1	HSPB7	<b>MYL2</b>	PXDNL	TRIM54
CACNG6	IDI2	<b>MYL3</b>	RAPSN	TRIM55
CALD1	ITGA7	MYL4	RASL12	TRIM63
CASQ1	ITGA8	MYL7	RBM20	TRIM72
CASQ2	ITGB1BP2	MYL9	RBM24	<b>TTN</b>
CAV3	ITGB1BP3	MYLK	RBPMS	TUBA3E
CCDC141	<b>JPH2</b>	<b>MYLK2</b>	RBPMS2	TXLNB
CHRM2	JSRP1	MYLK3	RPL35P6	UCP3
CHRND	KANK2	MYLPF	RPL3L	UNC45B
CKM	KBTD10	MYO18B	RPL7P3	UQCRC1
CKMT2	KBTD12	MYOCD	RRAD	<b>VCL</b>
CLIC5	KBTD5	MYOD1	RRAS	<b>VGLL2</b>
CMYA5	KCNA7	MYOG	RYR1	XIRP1
CNN1	KCNMB1	MYOM1	SCN5A	XIRP2
COL14A1	KLHL30	MYOM2	SGCA	ZFP106