

Gene	Protein	Inheritance	Disease Association
<i>ACTC1</i>	Actin, alpha, cardiac muscle	AD	CHD, DCM, HCM, LVNC
<i>ACTN2</i>	Actinin, alpha-2	AD	DCM, HCM
<i>ANKRD1</i>	Ankyrin repeat domain-containing protein 1	AD	HCM, DCM
<i>CAV3</i>	Caveolin 3	AD, AR	HCM, LQTS, LGMD, Tateyama-type distal myopathy, rippling muscle disease
<i>CSRP3</i>	Cysteine-and glycine-rich protein 3	AD	HCM, DCM
<i>DES</i>	Desmin	AD, AR	DCM, ARVC, myofibrillar myopathy, RCM with AV block, neurogenic scapulooperoneal syndrome Kaeser type, LGMD
<i>GLA</i>	Galactosidase, alpha	X-linked	Fabry disease
<i>LAMP2</i>	Lysosome-associated membrane protein 2	X-linked	Danon disease
<i>MYBPC3</i>	Myosin-binding protein-C, cardiac	AD	HCM, DCM
<i>MYH7</i>	Myosin, heavy chain 7, cardiac muscle, beta	AD	HCM, DCM, LVNC, myopathy
<i>MYL2</i>	Myosin, light chain 2, regulatory, cardiac, slow	AD	HCM
<i>MYL3</i>	Myosin, light chain 3, alkali, ventricular, skeletal, slow	AD, AR	HCM
<i>MYLK2</i>	Myosin light chain kinase 2	AD	HCM
<i>MYOZ2</i>	Myozenin 2	AD	HCM
<i>NEXN</i>	Nexilin	AD	HCM, DCM
<i>PLN</i>	Phospholamban	AD	HCM, DCM
<i>PRKAG2</i>	Protein kinase, amp-activated, noncatalytic, gamma 2	AD	HCM, Wolff-Parkinson-White syndrome
<i>RAF1</i>	V-raf-1 murine leukemia viral oncogene homolog 1	AD	Noonan/LEOPARD syndrome
<i>TCAP</i>	Titin-cap (telethonin)	AD, AR	HCM, DCM, LGMD
<i>TNNC1</i>	Troponin C, slow	AD	HCM, DCM
<i>TNNI3</i>	Troponin I, cardiac	AD, AR	DCM, HCM, RCM
<i>TNNT2</i>	Troponin T2, cardiac	AD	HCM, DCM, RCM, LVNC
<i>TPM1</i>	Tropomyosin 1	AD	HCM, DCM, LVNC
<i>TTN</i>	Titin	AD, AR	HCM, DCM, myopathy
<i>TTR</i>	Transthyretin	AD	Transthyretin-related amyloidosis
<i>VCL</i>	Vinculin	AD	HCM, DCM

Table 2. Genes included in the Hypertrophic Cardiomyopathy Multi-Gene Panel

Abbreviations: Congenital heart defects (CHD), long QT syndrome (LQTS), limb-girdle muscular dystrophy (LGMD), autosomal dominant (AD), autosomal recessive (AR) Hypertrophic cardiomyopathy (HCM), dilated cardiomyopathy (DCM), arrhythmogenic right ventricular cardiomyopathy (ARVC), left ventricular noncompaction cardiomyopathy (LVNC), restrictive cardiomyopathy (RCM)