Gene	Protein	Inheritance	Disease Association
ABCC9	ATP-binding cassette, subfamily C, member 9	AD	DCM, Cantu syndrome
ACTC1	Actin, alpha, cardiac muscle	AD	CHD, DCM, HCM, LVNC
ACTN2	Actinin, alpha-2	AD	DCM, HCM
ANKRD1	Ankyrin repeat domain-containing protein 1	AD	HCM, DCM
CRYAB	Crystallin, alpha-B	AD, AR	DCM, myofibrillar myopathy
CSRP3	Cysteine- and glycine-rich protein 3	AD	HCM, DCM
DES	Desmin	AD, AR	DCM, ARVC, myofibrillar myopathy, RCM with AV block, neurogenic scapuloperoneal syndrome Kaeser type, LGMD
LAMA4	Laminin, alpha-4	AD	DCM
LAMP2	Lysosome-associated membrane protein 2	X-linked	Danon disease
LDB3	LIM domain-binding 3	AD	DCM, LVNC, myofibrillar myopathy
LMNA	Lamin A/C	AD, AR	DCM, EMD, LGMD, congenital muscular dystrophy (see OMIM for full listing)
MYBPC3	Myosin-binding protein-C, cardiac	AD	HCM, DCM
MYH6	Myosin, heavy chain 6, cardiac muscle, alpha		HCM, DCM
MYH7	Myosin, heavy chain 7, cardiac muscle, beta	AD	HCM, DCM, LVNC, myopathy
MYPN	Myopalladin	AD	HCM, DCM
NEXN	Nexilin	AD	HCM, DCM
PLN	Phospholamban	AD	HCM, DCM
RAF1	V-raf-1 murine leukemia viral oncogene homolog 1	AD	Noonan/LEOPARD syndrome, DCM
RBM20	RNA-binding motif protein 20	AD	DCM
SCN5A	Sodium channel, voltage gated, type V, alpha subunit	AD	Brugada syndrome, DCM, heart block, LQTS, SSS, SIDS
SGCD	Sarcoglycan, delta	AD, AR	DCM, LGMD
TAZ	Tafazzin	X-linked	Barth syndrome, LVNC, DCM
TCAP	Titin-CAP (Telethonin)	AD, AR	HCM, DCM, LGMD
TNNC1	Troponin C, slow	AD	HCM, DCM
TNNI3	Troponin I, cardiac	AD, AR	DCM, HCM, RCM
TNNT2	Troponin T2, cardiac	AD	HCM, DCM, RCM, LVNC
TPM1	Tropomyosin 1	AD	HCM, DCM, LVNC
TTN	Titin	AD, AR	HCM, DCM, ARVC myopathy
TTR	Transthyretin	AD	Transthyretin-related amyloidosis
VCL	Vinculin	AD	HCM, DCM

Table 1. Genes included in the Dilated Cardiomyopathy Multi-Gene Panel (DCMGP)

Abbreviations: Hypertrophic cardiomyopathy (HCM), dilated cardiomyopathy (DCM), arrhythmogenic right ventricular cardiomyopathy (ARVC), left ventricular noncompaction cardiomyopathy (LVNC), restrictive cardiomyopathy (RCM), limb-girdle muscular dystrophy (LGMD), Emory muscular dystrophy (EMD), congenital heart defects (CHD), sudden infant death syndrome (SIDS), long QT syndrome (LQTS), sick sinus syndrome (SSS), autosomal dominant (AD), autosomal recessive (AR)