

Supplemental Table S1
List of cardiomyopathy (CM) and arrhythmia syndrome (AS) causative genes tested.

Gene	NM number	Associated-Pathology*	Gene	NM number	Associated-Pathology*
<i>ABCC9</i>	NM_005691.2	CM	<i>LAMP2</i>	NM_002294.2	CM
<i>ACTC1</i>	NM_005159.4	CM	<i>LDB3 (ZASP)</i>	NM_007078.2	CM
<i>ACTN2</i>	NM_001103.2	CM	<i>LMNA</i>	NM_170707.2	CM
<i>AKAP9</i>	NM_005751.4	AS	<i>RANGRF</i>	NM_016492.4	AS
<i>ANK2</i>	NM_001148.4	AS	<i>MYBPC3</i>	NM_000256.3	CM
<i>ANKRD1</i>	NM_014391.2	CM	<i>MYH6</i>	NM_002471.3	CM
<i>BAG3</i>	NM_004281.3	CM	<i>MYH7</i>	NM_000257.2	CM
<i>CACNA1C</i>	NM_001167625.1; NM_199460.3	AS	<i>MYL2</i>	NM_000432.3	CM
<i>CACNA2D1</i>	NM_000722.2	AS	<i>MYL3</i>	NM_000258.2	CM
<i>CACNB2</i>	NM_000724	AS	<i>MYLK2</i>	NM_033118.3	CM
<i>CALM1</i>	NM_006888.4	AS	<i>MYOZ2</i>	NM_016599.3	CM
<i>CALM2</i>	NM_001743.4	AS	<i>MYPN</i>	NM_032578.3	CM
<i>CALM3</i>	NM_005184.2	AS	<i>NEXN</i>	NM_144573.3	CM
<i>CALR3</i>	NM_145046.4	CM	<i>NKX2-5</i>	NM_004387.3	CM
<i>CASQ2</i>	NM_001232.3	AS	<i>NOS1AP</i>	NM_014697.2	AS
<i>CAV3</i>	NM_001234.4	AS	<i>NPPA</i>	NM_006172.3	AS
<i>CRYAB</i>	NM_001885.2	CM	<i>PDLIM3</i>	NM_014476.5	CM
<i>CSRP3</i>	NM_003476.3	CM	<i>PKP2</i>	NM_004572.3	AS
<i>CTNNA3</i>	NM_013266.3	AS	<i>PLN</i>	NM_002667.3	CM
<i>DES</i>	NM_001927.3	CM	<i>PRKAG2</i>	NM_016203.3	CM
<i>DMD</i>	NM_004006.2	CM	<i>PTPN11</i>	NM_002834.3	CM
<i>DPP6</i>	NM_130797.3	AS	<i>RAF1</i>	NM_002880.3	CM
<i>DSC2</i>	NM_024422.3	AS	<i>RBM20</i>	NM_001134363.1	CM
<i>DSG2</i>	NM_001943.3	AS	<i>RYR2</i>	NM_001035.2	AS
<i>DSP</i>	NM_004415	AS	<i>SCN10A</i>	NM_006514.2	AS
<i>DTNA</i>	NM_001390.4	CM	<i>SCN1B</i>	NM_001037.4; NM_199037.3	AS
<i>EMD</i>	NM_000117.2	CM	<i>SCN2B</i>	NM_004588.4	AS
<i>FHL1</i>	NM_001159702.2	CM	<i>SCN3B</i>	NM_018400.3	AS
<i>FKTN</i>	NM_006731.2	CM	<i>SCN4B</i>	NM_174934.3	AS
<i>FLNC</i>	NM_001458.4	CM	<i>SCN5A</i>	NM_198056.2	AS
<i>GJA1</i>	NM_000165.4	AS	<i>SGCD</i>	NM_000337.5	CM
<i>GJA5</i>	NM_005266.6	AS	<i>SLMAP</i>	NM_007159.2	AS
<i>GLA</i>	NM_000169.2	CM	<i>SNTA1</i>	NM_003098.2	AS
<i>GPD1L</i>	NM_015141.3	AS	<i>TAZ</i>	NM_000116.3	CM
<i>HCN4</i>	NM_005477.2	AS	<i>TCAP</i>	NM_003673.3	CM
<i>JPH2</i>	NM_020433.4	CM	<i>TGFB3</i>	NM_003239.2	AS
<i>JUP</i>	NM_002230.2	AS	<i>TMEM43</i>	NM_024334.2	AS
<i>KCNA5</i>	NM_002234.3	AS	<i>TMPO</i>	NM_003276.2	CM
<i>KCND3</i>	NM_004980.4	AS	<i>TNNC1</i>	NM_003280.2	CM
<i>KCNE1</i>	NM_000219.5	AS	<i>TNNI3</i>	NM_000363.4	CM
<i>KCNE1L</i>	NM_012282.2	AS	<i>TNNT2</i>	NM_001001430.1	CM
<i>KCNE2</i>	NM_172201.1	AS	<i>TPM1</i>	NM_001018005.1	CM
<i>KCNE3</i>	NM_005472.4	AS	<i>TRDN</i>	NM_006073.3	AS
<i>KCNH2</i>	NM_000238.3	AS	<i>TRPM4</i>	NM_017636.3	AS
<i>KCNJ2</i>	NM_000891.2	AS	<i>TTN</i>	NM_001256850.1	CM
<i>KCNJ5</i>	NM_000890.3	AS	<i>TTR</i>	NM_000371.3	CM
<i>KCNJ8</i>	NM_004982.3	AS	<i>VCL</i>	NM_014000.2	CM
<i>KCNQ1</i>	NM_000218.2	AS			

* CM: cardiomyopathies, AS: arrhythmia syndromes