

Exome

Gene panel Sudden cardiac death (55 genes)

version 3, 03-02-3023

HGNC approved gene symbol	transcript	median depth	% covered >10x	% covered >20x	% covered >30x	% covered >50x
<i>ACTC1</i>	NM_005159	163.00	100.00	99.99	99.29	94.86
<i>ACTN2</i>	NM_001103	94.00	100.00	99.89	98.97	92.26
<i>ALPK3</i>	NM_020778	96.00	97.41	96.89	94.17	86.10
<i>BAG3</i>	NM_004281	93.00	100.00	99.51	98.01	96.56
<i>CACNA1C</i>	NM_000719	103.00	100.00	99.93	99.27	96.28
<i>CALM1</i>	NM_001363670	119.00	100.00	100.00	100.00	100.00
<i>CALM2</i>	NM_001305624	148.00	98.87	95.81	95.01	95.01
<i>CALM3</i>	NM_005184	94.00	99.66	99.17	99.12	98.16
<i>CASQ2</i>	NM_001232	122.00	100.00	100.00	99.99	98.84
<i>CAV3</i>	NM_033337	114.00	100.00	100.00	100.00	99.87
<i>DES</i>	NM_001927	79.00	100.00	99.78	98.41	91.32
<i>DSC2</i>	NM_024422	117.00	99.95	98.91	97.75	97.10
<i>DSG2</i>	NM_001943	148.00	99.69	98.76	97.79	95.79
<i>DSP</i>	NM_004415	230.00	100.00	100.00	100.00	99.91
<i>FHL1</i>	NM_001449	95.00	100.00	99.83	98.78	96.33
<i>FLNC</i>	NM_001458	103.00	100.00	99.72	98.18	93.55
<i>FXN</i>	NM_000144	94.00	99.95	98.98	94.78	78.68
<i>GLA</i>	NM_000169	90.00	100.00	99.95	99.41	97.38
<i>HCN4</i>	NM_005477	93.00	99.87	98.17	92.65	80.96
<i>JPH2</i>	NM_020433	128.00	100.00	99.81	96.58	83.89
<i>JUP</i>	NM_002230	83.00	99.99	99.64	98.09	89.62
<i>KCNE1</i>	NM_000219	464.00	100.00	100.00	100.00	100.00
<i>KCNH2</i>	NM_000238	93.00	99.38	96.51	91.33	81.30
<i>KCNJ2</i>	NM_000891	290.00	100.00	100.00	100.00	100.00
<i>KCNQ1</i>	NM_000218	94.00	93.30	90.90	87.87	80.86
<i>LAMP2</i>	NM_002294	80.00	100.00	99.41	97.44	87.79
<i>LMNA</i>	NM_170707	57.00	100.00	98.85	90.66	64.94
<i>MYBPC3</i>	NM_000256	102.00	99.75	98.34	96.64	93.15
<i>MYH7</i>	NM_000257	125.00	100.00	99.78	97.96	91.85
<i>MYL2</i>	NM_000432	86.00	100.00	100.00	100.00	99.69
<i>MYL3</i>	NM_000258	86.00	100.00	99.92	94.76	76.30
<i>NEXN</i>	NM_144573	80.00	99.90	98.02	90.18	80.47
<i>NKX2-5</i>	NM_004387	101.00	100.00	99.00	91.43	70.88
<i>PKP2</i>	NM_004572	108.00	99.85	98.24	93.28	90.07
<i>PLN</i>	NM_002667	109.00	100.00	100.00	100.00	100.00
<i>PPA2</i>	NM_176869	81.00	99.91	97.40	91.37	76.85
<i>PRKAG2</i>	NM_016203	95.00	99.61	97.91	96.18	86.67
<i>RBM20</i>	NM_001134363	139.00	100.00	99.94	99.16	92.01
<i>RYR2</i>	NM_001035	126.00	100.00	99.82	98.84	96.37

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<i>SCN5A</i>	NM_198056	106.00	100.00	99.86	98.77	95.73
<i>SLC25A4</i>	NM_001151	110.00	100.00	99.97	99.48	96.63
<i>SLC4A3</i>	NM_201574	74.00	99.84	97.11	91.70	77.98
<i>TECRL</i>	NM_001010874	75.00	99.26	96.13	91.24	77.37
<i>TMEM43</i>	NM_024334	89.00	100.00	100.00	99.77	97.64
<i>TNNC1</i>	NM_003280	126.00	100.00	100.00	99.73	96.79
<i>TNNI3</i>	NM_000363	102.00	100.00	99.15	95.83	86.42
<i>TNNI3K</i>	NM_015978	121.00	100.00	100.00	100.00	99.51
<i>TNNT2</i>	NM_001276345	71.00	99.98	99.26	96.67	86.72
<i>TPM1</i>	NM_001018005	96.00	100.00	100.00	99.96	96.18
<i>TRDN</i>	NM_006073	85.00	90.69	88.98	86.49	77.60
<i>TRIM63</i>	NM_032588	96.00	100.00	99.97	99.61	98.66
<i>TRPM4</i>	NM_017636	71.00	99.86	97.19	88.64	72.19
<i>TTN</i>	NM_133437	304.00	100.00	100.00	99.99	99.85
<i>TTR</i>	NM_000371	106.00	100.00	100.00	100.00	100.00
<i>VCL</i>	NM_014000	90.00	100.00	99.87	99.13	94.95

SNV and CNV analyses, incl genotyping DPP6 locus: DPP6 (c.-340C>T NM_001936)