

**List of 49 genes included in the Ampliseq On-Demand DNA panel**

<b>Gene</b>	<b>Protein name</b>	<b>Chromosome</b>	<b>Accession number</b>
<i>ABCC9</i>	ATP Binding Cassette Subfamily C Member 9	12	NM_020297.3
<i>AKAP9</i>	A-Kinase Anchoring Protein 9	7	NM_00575.4
<i>ANK2</i>	Ankyrin 2	4	NM_020977.3
<i>ASPH</i>	Aspartate Beta-Hydroxylase	8	NM_001164751.1
<i>CACNA1C</i>	Calcium Voltage-Gated Channel Subunit Alpha1 C	12	NM_199460.2
<i>CACNA1D</i>	Calcium Voltage-Gated Channel Subunit Alpha1 D	3	NM_000720.3
<i>CACNA2D1</i>	Calcium Voltage-Gated Channel Auxiliary Subunit Alpha2delta 1	7	NM_000722.2
<i>CACNB2</i>	Calcium Voltage-Gated Channel Auxiliary Subunit Beta 2	10	NM_201596.2
<i>CALM1</i>	Calmodulin 1	14	NM_006888
<i>CALM2</i>	Calmodulin 2	2	NM_001743
<i>CALM3</i>	Calmodulin 3	19	NM_005184.2
<i>CASQ2</i>	Calsequestrin 2	1	NM_001232.3
<i>CAV3</i>	Caveolin 3	3	NM_001234.4
<i>CDH2</i>	Cadherin 2	18	NM_001792.5
<i>DPP6</i>	Dipeptidyl Peptidase Like 6	7	NM_130797
<i>EMILIN3</i>	Elastin Microfibril Interfacer 3	20	NM_052846.2
<i>GJA5</i>	Gap Junction Protein Alpha 5	1	NM_181703.4
<i>GPD1L</i>	Glycerol-3-Phosphate Dehydrogenase 1 Like	3	NM_015141.3
<i>HCN4</i>	Hyperpolarization Activated Cyclic Nucleotide Gated Potassium Channel 4	15	NM_005477.2
<i>KCNA5</i>	Potassium Voltage-Gated Channel Subfamily A Member 5	12	NM_002234.4
<i>KCND3</i>	Potassium Voltage-Gated Channel Subfamily D Member 3	1	NM_004980.4
<i>KCNE1</i>	Potassium Voltage-Gated Channel Subfamily E Regulatory Subunit 1	21	NM_001127670.1
<i>KCNE2</i>	Potassium Voltage-Gated Channel Subfamily E Regulatory Subunit 2	21	NM_172201.2
<i>KCNE3</i>	Potassium Voltage-Gated Channel Subfamily E Regulatory Subunit 3	11	NM_005472.5
<i>KCNE5</i>	Potassium Voltage-Gated Channel Subfamily E Regulatory Subunit 5	X	NM_012282.4
<i>KCNH2</i>	Potassium Voltage-Gated Channel Subfamily H Member 2	7	NM_000238.3
<i>KCNJ2</i>	Potassium Inwardly Rectifying Channel Subfamily J Member 2	17	NM_000891.2
<i>KCNJ5</i>	Potassium Inwardly Rectifying Channel Subfamily J Member 5	11	NM_000890.3

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<i>KCNJ8</i>	Potassium Inwardly Rectifying Channel Subfamily J Member 8	12	NM_004982.3
<i>KCNQ1</i>	Potassium Voltage-Gated Channel Subfamily Q Member 1	11	NM_000218.2
<i>LMNA</i>	Lamin A/C	1	NM_170707.2
<i>NPPA</i>	Natriuretic Peptide A	1	NM_012612.2
<i>PKP2</i>	Plakophilin 2	12	NM_004572.3
<i>PLN</i>	Phospholamban	6	NM_002667.3
<i>PRKAG2</i>	Protein Kinase AMP-Activated Non-Catalytic Subunit Gamma 2	7	NM_016203
<i>RANGRF</i>	RAN Guanine Nucleotide Release Factor	17	NM_016492.5
<i>RYR2</i>	Ryanodine Receptor 2	1	NM_001035.2
<i>SAMD11</i>	Sterile Alpha Motif Domain Containing 11	1	NM_152486.4
<i>SCN10A</i>	Sodium Voltage-Gated Channel Alpha Subunit 10	3	NM_006514.2
<i>SCN1B</i>	Sodium Voltage-Gated Channel Beta Subunit 1	19	NM_001321605
<i>SCN2B</i>	Sodium Voltage-Gated Channel Beta Subunit 2	11	NM_004588.5
<i>SCN3B</i>	Sodium Voltage-Gated Channel Beta Subunit 3	11	NM_018400.3
<i>SCN4B</i>	Sodium Voltage-Gated Channel Beta Subunit 4	11	NM_174934.3
<i>SCN5A</i>	Sodium Voltage-Gated Channel Alpha Subunit 5	3	NM_198056.2
<i>SLMAP</i>	Sarcolemma Associated Protein	3	NM_007159.2
<i>SNTA1</i>	Syntrophin Alpha 1	20	NM_003098.2
<i>TNNT2</i>	Troponin T2, Cardiac Type	1	NM_000364.4
<i>TRDN</i>	Triadin	6	NM_006073.3
<i>TRPM4</i>	Transient Receptor Potential Cation Channel Subfamily M Member 4	19	NM_017636.3