

**Table S5.** Primers used in qPCR analysis.

<b>Primer name</b>	<b>Forward sequence</b>	<b>Reverse sequence</b>
<b><i>Acta1</i></b>	AGAGCTATAAAGCTGCGCTCC	AGCTTTGGTGGGTTCTGTAGG
<b><i>Casq1</i></b>	AGAACCCCGACCTCAGTATCA	TGGAGCTGACAGGTCAATGTC
<b><i>Col6a1</i></b>	AGGTCATCAGCCAGACCATTG	CAGCCTGGCACTCAAAGAAG
<b><i>Des</i></b>	GTATGAGACCATCGCGGCTAA	GCAGCGCATCGTTGTTCTTAT
<b><i>Dhpr (Cacna1s)</i></b>	GTCCAGGGGAACCTTCCAAAA	CCTGTGTGATCCAGCTCATGT
<b><i>Lama2</i></b>	TGAAAGCAAGGCCAGAAGTCA	CACCAACATAATCAGGGCTGC
<b><i>Myh7</i></b>	GCTGGGAAGACTGTCAACACTA	CCTGGGGTCTGGTCCTTCTT
<b><i>Myh8</i></b>	CGGGAGGTTACACCAAAAATC	CAAGTGACCCAGCAAGCGA
<b><i>Mypn</i></b>	TACACATTGAGTCCACCCACG	TTCGAATGGGCAAACCCTGTA
<b><i>Nos1</i></b>	GAAGTGACCAACCGCCTTAGA	GGAGGATCCAGTTAGGAGCTG
<b><i>Ryr1</i></b>	GGAGAGAAAGTCATGGCGGAT	GTTCCCAGTCTGTGTCCGTAG
<b><i>Serca1 (Atp2a1)</i></b>	TGAACCGTGTCACAGATCCAG	TTGGCTGAAGATGCATGGCTA
<b><i>Tnnc1</i></b>	AAGAGCTCATGAAGGACGGTG	GCAAGACCAGCATCTACTCCA
<b><i>Tnni1</i></b>	CATGCCGGAAGTTGAGAGGAA	CTTGGCTAGCATCAGGCTCTT
<b><i>Tnnt1</i></b>	GAAGATTCCAGAAGGGGAGCG	TCCTCCTTTTTCCGCTGTTCA
<b><i>Tpm2</i></b>	CTGGCTACAGCCTTGCAAAG	TTTCTCATCCTTCATGGCCC
<b><i>Ttn</i></b>	TCGACTGAGGCTGAGATGAGA	TCCACTGATGGTCACTTGCTC