

Supplementary Table S1. List of primer sequences used for the gene expression analysis

Gene	Primer sequences
Glyceraldehyde-3-phosphate dehydrogenase (<i>GAPDH</i>)	FWD: GGTCTCCTCTGACTTCAACA REV: AGCCAAATTCGTTGTCATAC
Ribosomal protein L27 (<i>RPL27</i>)	FWD: TACAGCAGTGGAGGGAGACC REV: TCTGAAGACATCCTTATTGACG
Hypoxanthine phosphoribosyltransferase 1 (<i>HPRT1</i>)	FWD: CCTGGCGTCGTGATTAGTGAT REV: AGACGTTCAAGTCCTGTCCATAA
NK2 homeobox 5 (<i>NKX2.5</i>)	FWD: CCAAGGACCCTAGAGCCGAA REV: ATAGGCGGGGTAGGCGTTAT
T-box transcription factor 5 (<i>TBX5</i>)	FWD: CTGTGGCTAAAATTCCACGAAGT REV: GTGATCGTCGGCAGGTACAAT
Myocyte enhancer factor 2A (<i>MEF2A</i>)	FWD: GGTCTGCCACCTCAGAACTTT REV: CCCTGGGTAGTGTTAGGACAA
Myocyte enhancer factor 2C (<i>MEF2C</i>)	FWD: CCAACTTCGAGATGCCAGTCT REV: GTCGATGTGTTACACCAGGAG
GATA binding protein 4 (<i>GATA4</i>)	FWD: GTGTCCCAGACGTTCTCAGTC REV: GGGAGACGCATAGCCTTGT
Actinin alpha 1 (<i>ACTN1</i>)	FWD: CCACCCTCTCGGAGATCAAG REV: TCCCTTCGCTTCTGAGTTAGG

Myosin heavy chain 6 (<i>MYH6</i>)	FWD: GCCCTTTGACATTGCACTG REV: CGGGACAAAATCTTGGCTTTGA
Myosin heavy chain 7 (<i>MYH7</i>)	FWD: ACTGCCGAGACCGAGTATG REV: GCGATCCTTGAGGTTGTAGAGC
Myosin light chain 2 (<i>MYL2</i>)	FWD: TTGGGCGAGTGAACGTGAAAA REV: CCGAACGTAATCAGCCTTCAG
Myosin light chain 7 (<i>MYL7</i>)	FWD: CAACGTGGTTCTTCCAACGTC REV: CAACGTGGTTCTTCCAACGTC
Cardiac troponin I3 (<i>TNNI3</i>)	FWD: TTTGACCTTCGAGGCAAGTTT REV: CCCGGTTTTCTTCTCGGTG
Cardiac troponin T2 (<i>TNNT2</i>)	FWD: AATGGAGGAGTCCAAACCAAAG REV: CCAAGTTGGGCATGAACGAC
ATPase sarcoplasmic/endoplasmic reticulum Ca ²⁺ transporting 2 (<i>ATP2A2</i>)	FWD: ATGGGGCTCCAACGAGTTAC REV: TTTCCTGCCATACACCCACAA
Gap junction protein, alpha 1 (<i>GJA1</i>) also known as Connexin43 (<i>CX43</i>)	FWD: GGGACAGCGGTTGAGTCAG REV: TGTTACAACGAAAGGCAGACTG
Natriuretic peptide A (<i>NPPA</i>)	FWD: CAACGCAGACCTGATGGATTT REV: AGCCCCCGCTTCTTCATTC
Natriuretic peptide B (<i>NPPB</i>)	FWD: GGGCGCTCCTGCTCCTGCTCTTC REV: ACACCTGTGGGACGGGGGCTCTC