

**Additional Table 11. PCR primers for qRT-PCR**

| Gene name                                                   | Gene Accession<br>Symbol number | Forward primer             | Reverse primer             |
|-------------------------------------------------------------|---------------------------------|----------------------------|----------------------------|
| 3-hydroxy-3-methylglutaryl-Coenzyme A synthase 2            | Hmgcs2 NM_008256                | 5' GGCTGTCAAAACAGTGCTCA 3' | 5' GCAATGTCACCACAGACCAC 3' |
| fructose biphosphatase 2                                    | Fbp2 NM_007994                  | 5' CAGAAGCCCCTTTGAGACAG 3' | 5' CAGCACGTCCAGTTTCTTCA 3' |
| cytochrome P450, family 2, subfamily e, polypeptide 1       | Cyp2e1 NM_021282                | 5' GATATGGGCTCCTGATTCTC 3' | 5' TCTCGGGTTGCTTCGT 3'     |
| myosin, heavy polypeptide 7, cardiac muscle, beta           | Myh7 NM_080728                  | 5' CTTCCAGAAGCCTCGAAATG 3' | 5' CTTTCTTTGCCTTGCCTTTG 3' |
| complement factor D (adipsin)                               | Cfd NM_013459                   | 5' GCTCTGCGCGTGGCTGGTT 3'  | 5' CCCTGCGGTTGCTCTCTG 3'   |
| histone cluster 1, H1c                                      | Hist1h1c NM_015786              | 5' CGGCTCCTTCAAACCAACA 3'  | 5' CTTGGGCTTGGTGACCTTC 3'  |
| insulin-like growth factor binding protein 6                | Igfbp6 NM_008344                | 5' GATTCCCAGGAACAAAGCAA 3' | 5' CTTCCAGAGAGTCCAGTGC 3'  |
| cell death-inducing DFFA-like effector c                    | Cidec NM_178373                 | 5' AGCTAGCCCTTTCCAGAAG 3'  | 5' CTTGTAGCAGTGCAGGTCA 3'  |
| insulin induced gene 1                                      | Insig1 NM_153526                | 5' GTGGAGCTTGCAATCTGTGA 3' | 5' CTTCTCCGAATAGCTCGTG 3'  |
| nudix (nucleoside diphosphate linked moiety X)-type motif 4 | Loc100048122 NM_027722          | 5' AGCCTGTCCACGCAGAGTAT 3' | 5' CAGCAGCAGTCAGGTGTGTT 3' |
| bone morphogenetic protein 10                               | Bmp10 NM_009756                 | 5' ACTGCTGCAGAGCATGAAGA 3' | 5' GAGAGGATATTTCCGGAGCC 3' |
| carbonic anhydrase 5b, mitochondrial                        | Car5b NM_181315                 | 5' AATGGCTTGCTGTGATAGG 3'  | 5' GGTCACGGTCAACCTCAACT 3' |
| pyruvate dehydrogenase kinase, isoenzyme 2                  | Pdk2 NM_133667                  | 5' CTGGACCGCTTCTACCTCAG 3' | 5' GTTGGTGGCATTGACTTCCT 3' |
| plexin A2                                                   | Plxna2 NM_008882                | 5' GTCTGTGGCCGAGAAGATGC 3' | 5' CGATCTGCTGCCGGATGAG 3'  |
| lumican                                                     | Lum NM_008524                   | 5' AAGAGTGTGCAATGGTTCC 3'  | 5' GGACTCGGTCAGGTTGTTGT 3' |
| plastin 3 (T-isoform)                                       | Pls3 NM_145629                  | 5' AATGAAGCACTGGCAGCTTT 3' | 5' GTGCGATTGATTGAGCAGA 3'  |
| tuberous sclerosis 2                                        | Tsc2 NM_011647                  | 5' CGGAAGCAAGACCATCGT 3'   | 5' GGACTGGGCTCTGTAGGATA 3' |
| protein disulfide isomerase associated 4                    | Pdia4 NM_009787                 | 5' ATCGCAAGATGGATGCTAC 3'  | 5' CTTGGTCTGCTCCTCTTTG 3'  |