**Supplementary Table S1** *Real-time PCR primers and probes*

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| Target | Forward primer (5’to 3’) | Reverse primer (5’to 3’) | Probe (5’FAM, 3’TAMRA) |
| MyHCI | TCGTCAAGGCCACAATTTTG | CTGCTGCAACACCTGGTCCT | ACAGAGCATGGCAAGACAGTGACCGTG |
| MyHCIIA | AAGCCTTTTGATGCCAAGACAT | TTCACCGTCACTTTCCCACC | TGTGGCCGAGCCCAAGGAATCTTTT  |
| MyHCIIX/IIB | CTTCGTGGCGGACCCTAAG | CAGTTACTGTCGCCCCAGCT | AGCGACCGTGCAGAGCAGGGA |
| PGC1α | ACCCACAGAGAACCGGAACAG | AGTTGTTGGTTTGGCTTGTAGATG | TCCAAAAAGAAGGCCCACACACAATCG |
| PGC1β | TCTCTTCCGGAGATTCTCCCA | CGTCAAGGTCTCCTCGAAGC | AAGCCCCGCTGGTGACCCTCCT |
| PPARα | CTCTGGCCAAGAGGATTTATGAG | AGGGCGGATTGTTGTTGGT | AGGCCCGGGTCATCCTTGCC |
| PPARγ | AGAGATCTCCAGCGACATCGA | TCAGCGGGAAGGACTTTATGTAC | CAGAGTCTGCTGACCTCCGGGCC |
| PPARδ | AAGAACTTCAACATGACCAAAAAGAA | GCCACAGCGTCTCGATGTC | ACACGGCGCCCTTTGTGATCCA |
| RIP140 | GCAGGACCTTTCCATACCCA | ACCAAGCCCAGCTTCTGGT | TCCCTGAGCACTTGGGCTGCACA |
| Six1 | GAACCGGAGGCAAAGAGACC | CCAGAGGAGAGAGTTGATTCTGC | CGAGGCCAAGGAAAGGGAGAACACC |
| Eya1 | ACAGATGGCTTTCCTGCTGC | CTGTAGCGGAAGGCCAACTT | ATTTATGCTTGGCAACCGGTGTCCG |
| MyoD | AAAGTCAACGAGGCCTTCGA | ATATAGCGGATTGCGTTGCG | CTCAAACGCTGCACGTCTAGCAACCC |
| Myogenin | GCGCAGACTCAAGAAGGTGAA | CGCTGCACAGGATCTCCACT | ACCCCAACCAGAGGCTGCCCA |
| Mrf4 | TCCCAGTGGCCAAGTGTTTC | CATCGAAGGCTACTCGAGGC | ACTGCCAAGGAAGGAGGGACAAGCA |
| Myf5 | CACCACGACCAACCCTAACC | CCACCTGTTCCCTTAGCAGC | TGGAGATCCTCAGGAATGCCATCCG |