**Supplementary table 1.**Primer sequences used for qRT-PCR.

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| --- | --- | --- |
| Gene | Forward | Reverse |
| *Ucp1* | AGGCTTCCAGTACCATTAGGT | CTGAGTGAGGCAAAGCTGATTT |
| *Cidea* | TGACATTCATGGGATTGCAGAC | GGCCAGTTGTGATGACTAAGAC |
| *Pgc1a* | AAACTTGCTAGCGGTCCTCA | TGGCTGGTGCCAGTAAGAG |
| *Cox8b* | GAACCATGAAGCCAACGACT | GCGAAGTTCACAGTGGTTCC |
| *Elovl3* | TTCTCACGCGGGTTAAAAATGG | GAGCAACAGATAGACGACCAC |
| *Prdm16* | GGCGAGGAAGCTAGCCAAA | GGTCTCCTCCTCGGCACTCT |
| *Pparg2* | TCGCTGATGCACTGCCTATG | GAGAGGTCCACAGAGCTGATT |
| *Fabp4* | TTCGATGAAATCACCGCAGA | GGTCGACTTTCCATCCCACTT |
| *Adipoq* | TGTTCCTCTTAATCCTGCCCA | CCAACCTGCACAAGTTCCCTT |
| *Cebpa* | CAAGAACAGCAACGAGTACCG | GTCACTGGTCAACTCCAGCAC |
| *Adrb1* | CCGAAAGCAGGTGAATGCAA | AGCCAGTAAGCCATACTAAGCCACA |
| *Adrb2* | CATTGATGTGTTGTGCGTCA | ACTCGGGCCTTATTCTTGGT |
| *Adrb3* | CCTTCCGTCGTCTTCTGTGT | AGCCATCAAACCTGTTGAGC |
| *36B4* | TCCAGGCTTTGGGCATCA | CTTTATCAGCTGCACATCACTCAGA |