Table S1 Primer sequences used in this article.

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| **Gene Symbol** | **Primer sequences (5’—3’)** |
| Stat5a-F | GCAGAGTCCGTGACAGAGG |
| Stat5a-R | CCACAGGTAGGGACAGAGTCT  |
| Kdm6a-F | AAGGCTGTTCGCTGCTATGA |
| Kdm6a-R | TCCATGGGTTCCGCATCTTC |
| UCP1-F | CAATCACCGCTGTGGTAAAAAC |
| UCP1-R | GTAGAGGCCGATCCTGAGAGA |
| PGC-1α-F | GACCGTCCAAAGCATTCA  |
| PGC-1α-R | GGTTCTTGTCCACGCCTC |
| Acox-1-F | ACTCGCAGCCAGCGTTATG |
| Acox-1-R  | AGGGTCAGCGATGCCAAAC |
| Cidea-F  | TTATGGGATCACAGACTAAGCGA |
| Cidea-R | TGCTCCTGTCATGGTTGGAGA |