Supplementary table 1. Primers for RT-PCR

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| **Function** | **Gene** | **Forward primer** | **Reverse primer** |
| Fatty acid metabolism | *Acacb* | AGATGGCCGATCAGTACGTC | GGGGACCTAGGAAAGCAATC |
| *CPT1a* | GAGACTTCCAACGCATGACA | ATGGGTTGGGGTGATGTAGA |
| *CPT1c* | CGTGTCTGGAATGACTTTCTTGCT | TCTCCATCAGTCCTAGGGAAGG |
| *Fasn* | GCGCTCCTCGCTTGTCGTCT | TAGAGCCCAGCCTTCCATCTCCTG |
| *Ppara* | ATGCCAGTACTGCCGTTTTC | GGCCTTGACCTTGTTCATGT |
| *Ppard* | AACCCACGGTAAAGGCAGTC | CTTCCTCTTTCTCCTCTTCCCG |
| *Pparg* | GTCTCACAATGCCATCAGGTT | CAAATGCTTTGCCAGGGCTC |
| *Ppargc1a* | TGCTAGCGGTTCTCACAGAG | AGTGCTAAGACCGCTGCATT |
| Receptors | *Ghsr* | GATGCTTGCTGTGGTGGTGTT | GAAGAGGACAAAGGACACCAGG |
| *Insr* | GCCACTAATCCTTCTGTCCCC | AGGTAGTGTGTGATGTTGCCA |
| Neuropeptides | *Npy* | TCACCAGACAGAGATATGGCAA | AAGTCGGGAGAACAAGTTTCA |
| *Agrp* | AAGTCTGAATGGCCTCAAGAAGA | GACTCGTGCAGCCTTACACAG |
| *Pomc* | CGAGGCCTTTCCCCTAGAGT | CCAGGACTTGCTCCAAGCC |
| Reference genes | *Rpl13a* | CCCTCCACCCTATGACAAGA | CTGCCTGTTTCCGTAACCTC |
| *Rplp0* | GCTTCATTGTGGGAGCAGACA | CATGGTGTTCTTGCCCATCAG |
| *Tbp* | GTCATTTTCTCCGCAGTGCC | GCTGTTGTTCTGGTCCATGAT |
| *Tuba1a* | CCCTCGCCTTCTAACGCGTTGC | TGGTCTTGTCACTTGGCATCTGGC |