**Supplementary table 1.** List of primers used for qPCR

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| Target gene | Primer sequence |
| Leptin | Forward | 5'-ACATTTCACACACGCAGTCGG-3' |
| Reverse | 5'-AGGCAGGCTGGTGAGGACCT-3' |
| Adiponectin | Forward | 5'-AGATGCAGGTCTTCTTGGTCCT-3' |
| Reverse | 5'-GCTGAGCGATACACATAAGCG-3' |
| Resistin | Forward | 5'-CTTCAACTCCCTGTTTCCAAATGCA-3' |
| Reverse | 5'-GACTGCTGTGCCTTCTGGGC-3' |
| 11-β-hydroxysteroid dehydrogenase-1 | Forward | 5'-CTCCTCCTTGGCTGGGAAAATGA-3' |
| Reverse | 5'-GGACACAGAGAGTGATGGACACGT-3' |
| Uncoupling protein-1 | Forward | 5'-TCTCTGCCAGGACAGTACCC-3' |
| Reverse | 5'-AGAAGCCCAATGATGTTCAG-3' |
| Uncoupling protein-1 | Forward | 5'-AAGATGGTGGCTCAGGAGG-3' |
| Reverse | 5'-GGACGAAACACGGAGGACTA-3' |
| Adipose triglyceride lipase | Forward | 5'-GGAAATTGGGTGACCATCTG-3' |
| Reverse | 5'-AAGGCCACATTGGTGCAG-3' |
| ß-actin | Forward | 5'-CCACTGCCGCATCCTCTTCC-3' |
| Reverse | 5'-GCCACAGGATTCCATACCCAAGA-3' |