Supplementary Figure 1 Primer sequences

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| **Gene** | **Accession Number** | **Primer** | **Sequence 5’ to 3’** |
| **r*ßactin*** | NM­\_031144 | ForwardReverse | cctctgaaccctaaggccaaagcctggatggctacgtaca |
| **r*Per1*** | NM\_001034125 | ForwardReverse | TGGTAAAGCACCAGGGACAACGAAGGACTTTGGCCTTGAATGTAC |
| **r*Per2*** | NM\_031678 | ForwardReverse | AGCAGTCCCCTACAGCTTAACCTCCGAGATGCGCCAGATGT |
| **r*Bmal1*** | NM\_024362 | ForwardReverse | TCCACAGCACAGGTACTTGAATTGCAACGAGGCAGCTCAGAT |
| **r*Rev-erbα*** | NM\_001113422 | ForwardReverse | acagctgacaccacccagatccatgggcataggtgaagatttct |
| **r*PFKfb3*** | NM\_057135 | ForwardReverse | AGGCAAGAAGTTCGCCAATGGCGGTCTGGATGGTACTTTTCA |
| **r*Glucokinase*** | NM\_012565 | ForwardReverse | CTCTGTCACCGACTGCGACATTGCGATTTATGACCCCAGCTA |
| **r*PEPCK*** | NM\_198780 | ForwardReverse | CCCTTAAAAAAGCCTTTGGTCAACCGCTTCCGAAGGAGATGA |
| **r*Glycogen phosphorylase*** | NM\_022268 | ForwardReverse | AGTCAGTCAGCTGTATATGAATCAAAGATCGGAAGGCTCCATGTT |
| ***R11β-hsd2*** | NM\_017081 | ForwardReverse | TTTTGGCAAGGAGACAGCTAAGAATCGGGCACGCAGTTCTAGA |
| ***rSNAT1***  | NM\_138832 | ForwardReverse | GAAGTGGAGAACGGCCAGATAACCTGGAATATACTCGTCGCATTT  |
| ***rHsp105*** | NM\_001011901 | ForwardReverse | GTGTCTGCCTGTGCTTTTAACAATGCTCTACGAGCTTCTCGTCAA |
| ***rIRS2*** | NM\_001168633 | ForwardReverse | CAAGAACCTGACCGGTGTATACCGCCCACCTCGATGAAGAAGA |