**Table S1** Primer sequences.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene of interest** | **Accession no.** | **Forward primer (5’-3’)** | **Reverse primer (5’-3’)** | **Product size (bp)** |
| β-Actin\* | Mm00607939\_s1 | - | - | - |
| BCAT1 | NM\_001024468.3 | TGTGCCACGTATTCCCACG | CTCTTTCTCCAGCAAACGGC | 120 |
| BCAT2 | NM\_001243052.1 | TCCATGACACCTGTCTCCCT | CAGCCACAGTGGGTCCATAG | 106 |
| BCKDK | NM\_009739.3 | TGATGCTCTATTCCGGTCGC | TTGATGCGGTGAGCAATCCT | 100 |
| NPY\* | Mm03048253\_m1 | - | - | - |
| POMC | NM\_001278581.1 | GAGGCCACTGAACATCTTTGTC | GCAGAGGCAAAACAAGATTGG | 253 |
| MCH | NM\_029971.2 | CCAGCTGAGAATGGAGTTCAGA | GTCGGTAGACTCTTCCCAGCAT | 139 |
| CRH | NM\_205769.2 | TGGATCTCACCTTCCACCTTCTG | CCGATAATCTCCATCAGTTTCCTG | 103 |

\*, TaqMan® Gene Expression Assay (Applied Biosystems).