**Table S2**

Quantitative real-time PCR primers for genes related to oxidation, immune and lipid metabolism

|  |  |  |  |
| --- | --- | --- | --- |
| Gene | Primers (5′-3′) | Size (bp) | Accession no. |
| *β-actin* | F: CGAGGTATCCTCACCCTGAA  R: GTCATCTTCTCGCGGTTAGC | 176 | AF300705.2 |
| *Sod* | F: GCCTTCCGAGGGTTCAGA  R: TTTGGCAGCGTGTTGTCC | 124 | AY495084 |
| *Cat* | F: TTGCGTTCTCTCCTGCCAAC  R: GGTAGTTCCTTGTACGGGCA | 208 | AY518322.1 |
| *Gsh* | F: TCAACAGCTGATCCCGTCTT  R: CTCTTAAACGGCTGCCCATC | 176 | AY973252.2 |
| *Acp* | F: GAGGAGGTTCAGAGAGGA  R: CAGATAAGGCACATAGGC | 138 | KR676449 |
| *Lzm* | F: AAGGCTATTCTGCCTGGGCT  R: TGGAAACCCTTGGTGACAAGC | 138 | AF425673 |
| *Alp* | F: TTCGAGAAGACGGCACAACA  R: AGCGATGGCGAAGGAGAAAA | 127 | KR534873 |
| *Rab6a* | F: CTCCAGCTCTGGGATACTGC  R: TGCTTTTCGTTCACCTTCCT | 243 | JX073679.2 |
| *Aif* | F: CCCAAGTCCCTTCCCATTCT  R: CTGTGTCACCTTCCCTTTGC | 207 | KX096891 |
| *Tnf-α* | F: GTTCCATGTCATGACCTCGC  R: GGCACTTTTGTCCTCAGCAA | 211 | XM\_027352828.1 |  |
| *Aco* | F: CTTCCGCACCAACCCACT  R: GCTTCAGGACTGTTCCACCA | 252 | XM027361834.1 |
| *Srebp* | F: ACCATTGCCACTCCCCTA  R: GTTGCGTTTCTCGCCTTT | 150 | MG770374.1 |
| *Cpt1* | F: ACTCCCGATAAGCACACC  R: TTCATACATCCACCCCCT | 139 | XM\_027373671.1 |
| *Acc1* | F: TGCATAGAAACGGCATTGCG  R: TTTGACACCTGAGCCAGACC | 134 | XM\_027360190.1 |
| *Fabp* | F: CGACCACCACTTTCAAGACC  R: TAGCATCTTGTCGTCGGTGA | 197 | HM535967.1 |
| *Fatp* | F: TTCCAGGGGTGTCTTAGCTG  R: GTACAGGTAGCGGCAGATCT | 247 | KY271629.1 |
| *Fas* | F: CGTGACACCCCTTCCTCAC  R:GAGAGTGTGAGGAACATAGACCA | 196 | HM\_595630.1 |

F means forward primer while R means reverse primer; *g*sh, glutathione; c*at*, catalase; *sod*, superoxide dismutase; *tnf-α*, tumor necrosis factor-α; *aif*, apoptosis-inducing factor; *rab6a*, member RAS oncogene family; *srebp*, Sterol-regulatory element binding protein; *acc1*, acetyl-CoA carboxylase 1; *fas*, fatty acid synthetase gene; *fatp*, fatty acid transport proteins; *fabp*, atty acid binding protein; *cpt1*, arnitine palmitoyltransferase 1; *aco*, acyl-CoA oxidase.