Supplementary **Table S3.** Sequence of sheep primers used in the RT-qPCR analysis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Gene1 | Primers2 | Access source3 | R2 | Efficiency, % |
| ACACA PII | F: GCCTTGAGCTCTGAGGGCTC  R: CACGGAGCCAATTATGAATCG | Ticiani et al. (2016) | 0.99 | 101 |
| FASN | F: GGCCGTCTTTCTGACCAAGA  R: CGTGACGCCTTGCTTTTTG | Ticiani et al. (2016) | 0.99 | 99 |
| SCD | F: CCGCCCTGAAATGAGAGATG  R: CATGAGGATGATGTTTCTCCAAAC | Hussein et al. (2013) | 0.99 | 108 |
| LPL | F: TCCATCAATGACAAGATCTGA  R: GCATGTAGTCGATGGCTTGC | NM\_001009394.1 | 0.98 | 77 |
| CD36 | F: TGTGTTTGGAGGGATTCT  R: CCTTGGCTAGATAACGAACTCTG | Hussein et al. (2013) | 0.95 | 103 |
| FABP3 | F: GGACAGCAAGAATTTCGATGA  R: CGATGATTGTGGTAGGCTTG | Hussein et al. (2013) | 0.99 | 104 |
| FABP4 | F: ATGGCCAAACCCACTGTGAT  R: GGCCCAATTTGAAGGACATCT | NM\_001114667.1 | 0.99 | 104 |
| GPAT | F: GCATTGGTCGGTGTAAGCAT  R: TTCTTTCCACTTCAAGGTTGC | Hussein et al. (2013) | 0.99 | 112 |
| AGPAT6 | F: ACTTCCAGTACATCAGCCTGCGGC  R: CGTGAAAGCGAGAGCTATCCTG | Hussein et al. (2013) | 0.99 | 107 |
| DGAT1 | F: CACTGGGACCTGAGGTGTCA  R: AACCGTGCGTTGCTTAAGATC | Hussein et al. (2013) | 0.99 | 82 |
| SREBP1 | F: CCAGCTGACAGCTCCATTG  R: TGCGCGCCACAAGGA | Hussein et al. (2013) | 0.99 | 83 |
| PPAR-γ | F: CCAAGAATATCCCCGGCT  R: AGGCCAGCATCGTGTAAA | Hussein et al. (2013) | 0.99 | 89 |
| ACB | F: GCCTTTGCCATCACTGCAAT  R: TGAGCTCTCCTGCCCTCTTG | Ticiani et al. (2016) | 0.99 | 80 |
| RPS18 | F: GCCCTGAGGCTCTCTTCCA  R: CGGATGTCGACGTCACACTT | Ticiani et al. (2016) | 0.99 | 93 |

ACACA PII: Acetyl-CoA carboxylase alfa; FASN: Fatty acid synthetase; SCD: Stearoyl-CoA desaturase; LPL: lipoprotein lipase; CD36: Molecule CD36; FABP3: Fatty acid binding protein 3; FABP4: Fatty acid binding protein 4; GPAT: Glycerol-3-phosphate acyltransferase; AGPAT6: Acylglycerolphosphate acyltransferase 6; DGAT1: Diglyceride acyltransferase 1; SREBP1: Sterol regulatory element binding protein; PPAR-γ: Peroxisome proliferator-activated receptors; ACB: actin-beta; RPS18: Ribosomal protein S18; F: Forward; R: Reverse.

1Gene identification;

2Primers are reported in 5 '- 3' sequence, F and R;

3References from previous studies or designed in GenBank (NCBI, USA).