

Table S1 Sequences of primers used in this study

| Primer names | Primer sequences (5'-3') | Tm (°C) |
|---------------------|---------------------------------|----------------|
| VEGFA-F | AGCCAAAGACTCGCCACAAC | 54.2 |
| VEGFA-R | TGGGCAGGACAATGAATGAAGG | |
| VEGFA-F (BamHI) | CGCGGATCCATGTCGTCAGATGTCACCAA | 57 |
| VEGFA-R (HindIII) | CCCAAGCTTGTCTTTGTGCAAAGTCT | |
| GK-F | AGAGGAAGTGATGAGGAGAA | 57 |
| GK-R | GTGGAGCGGACATAAGTG | |
| PK-F | GCACTCATACAACAGCCTTAGC | 57 |
| PK-R | TCCTGGAGCATCTGTGTCTG | |
| G6Pase-F | CCTGAAGGCTCTCGGTGTGGAT | 57 |
| G6Pase-R | ACTTGCGAACGGTGTGGTGTC | |
| FBPase-F | AGATGGCAGTTCACCTTATGGA | 57 |
| FBPase-R | GCACTCATACAACAGCCTTAGC | |
| PEPCK-F | TGTCCTTCGGCAGCGGTTAC | 55.7 |
| PEPCK-R | CAGCCAACCAGCCTTCGTCTT | |
| GYS2-F | CAGAGGAACCGAACAGAGCG | 59.9 |
| GYS2-R | TGAGGAGATGAGTGAAGCGAGTG | |
| FAS-F | CAGTAGTGTATGCCACCGCA | 59 |
| FAS-R | TGCAATAGCAATAGCGGCCT | |
| ACC-F | GGGCACAAAGACCGACAGAT | 55 |
| ACC-R | GCCTGGCGAAACATTTCTGG | |
| SCD1-F | TGTGCTGCTGATGTGCTT | 59.4 |
| SCD1-R | GATGTTGCCGTCATAGGG | |
| LPL-F | ATGGACGGTCACGGGTAT | 59 |
| LPL-R | TTTGGTGTAGGCGGCAGA | |
| CPTIA-F | TGAGTGATTGGTGGGAGG | 59 |
| CPTIA-R | GCATGGCATGGACTACGT | |
| ATGL-F | CTGGGTATTTATCACATCGG | 59 |
| ATGL-R | GCTTCTTTAGCCACGTCAA | |
| GAPDH-F | TGACCCGTGCTGCTTTC | 55 |
| GAPDH-R | GCCTTAACCTCACCTTGT | |
| β -actin-F | TTCTTGGGTATGGAGTCTTG | 59 |
| β -actin-R | AGGTCCTTACGGATGTCTG | |