

Supplementary Table 1 The sequences of primers used in this study

| Genes | Primer Sequences |
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| β -actin | Forward 5'- GAC GTT GAC ATC CGT AAA G -3' Reverse 5'- CAG TAA CAG TCC GCC T -3' |
| aP2(FABP4) | Forward 5'- AAG GTG AAG AGC ATC ATA ACC CT -3' Reverse 5'- TCA CGC CTT TCA TAA CAC ATT CC -3' |
| CEPB/ α | Forward 5'- GAA CAG CAA CGA GTA CCG GGT A -3' Reverse 5'- GCC ATG GCC TTG ACC AAG GAG-3' |
| PPAR γ | Forward 5'- GAG TGT GAC GAC AAG ATT TG -3' Reverse 5'- GGT GGG CCA GAA TGG CAT CT-3' |
| FAS | Forward 5'- GCT GCG GAA ACT TCA GGA AAT -3' Reverse 5'- AGA GAC GTG TCA CTC CTG GAC TT -3' |
| SCD1 | Forward 5'- TTC TTG CGA TAC ACT CTG GTG C -3' Reverse 5'- CCG GAT TGA ATG TTC TTG TCG T -3' |
| DGAT2 | Forward 5'- CCG CAA AGG CTT TGT GAA -3' Reverse 5'- GGA ATA AGT GGG AAC CAG ATC AG -3' |
| ACOX1 | Forward 5'- ACG CCA CTT CCT TGC TCT TC -3' Reverse 5'- AGA TTG GTA GAA ATT GCT GCA AA -3' |
| CPT1 | Forward 5'- CTT CCA AGG CAG AAG AGT GGG -3' Reverse 5'- GAA CCT TGG CTG CGG TAA GAC -3' |
| PPAR α | Forward 5'- ATC CAC GAA GCC TAC C -3' Reverse 5'- CAC ACC GTA CTT TAG CAA G -3' |
| HSL | Forward 5'-CCA GCC TGA GGG CTT ACT G -3' Reverse 5'- CTC CAT TGA CTG TGA CAT CTC G -3' |
| ATGL | Forward 5'- GAA TGG CGG CAT TTC AGA CA -3' Reverse 5'- CAA AGG GTT GGG TTG GTT CAG -3' |
| MTTP | Forward 5'- CTC TTG GCA GTG CTT TTT CTC T -3' Reverse 5'- GAG CTT GTA TAG CCG CTC ATT -3' |
| ApoB | Forward 5'- GCT CAA CTC AGG TTA CCG TGA -3' Reverse 5'- AGA GGG CTG ACA CTT GTA CTG -3' |
| CD36 | Forward 5'- ATT GGT CAA GCC AGC T -3' Reverse 5'- TGT AGG CTC ATC CAC TAC -3' |