**Supplementary Table 1. List of Primers**

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| Gene | Forward primer | Reverse Primer |
| Fatty Acid Transport Protein (FAT) | 5’ TGACAGTGCCACCAACAAGAA 3´ | 5’ GCGCTATCGCCCTTTCG 3’ |
| Hormone Sensitive Lipase (HSL) | 5’ ACTGAGATTGAGGTGCTGTC 3’ | AGGTGAGATGGTAACTGTGAG 3’ |
| Long Chain Acyl-CoA Synthetase (ACSL) | 5’ CGCACCCTTCCAACCAACAC 3’ | 5’ TCGTCGTAGTACACCAAGAGC 3’ |
| Carnitine Palmitoyl Transferase 1(CPT1) | 5’ GTGCAAGCAGCCCGTCTAG 3’ | 5’ TTGCGGCGATACATGATCAT 3’ |
| Long chain specific acyl CoA dehydrogenase (LCDA) | 5’ AAGGATTTATTAAGGGCAAGAAGC 3’ | 5’ GGAAGCGGAGGCGGAGTC 3’ |
| Long-chain-3 hydroxyacyl-CoA dehydrogenase(HADHA) | 5’ GGCCTGTCACTGGTAGAACT 3´ | 5’ GGCCTGTCACTGGTAGAACT 3´ |