Table S1. Primer sequence table for RT-qPCR experiment.

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| **Primer名称** | **Type** | **Sequences (5' to 3')** |
| ME3 | Model forward | GAGGCTGTGCCTTGGATGTC |
| ME3 | AS forward | GAGAAGTCATCTTGGATGTC |
| ME3 | Model/AS reverse | TGGAATAAATTGCCTCATCC |
| ACSF3 | Model/AS forward | AGGACGAGGAAGAGTTGTGG |
| ACSF3 | Model reverse | GCCCGGTCACGAGACGGCCG |
| ACSF3 | AS reverse | GGTGGGACACGAGACGGCCG |
| PDP1 | Model forward | GCCGTGCCCGGAATCCCAGT |
| PDP1 | AS forward | AGACGAATTGGAATCCCAGT |
| PDP1 | Model/AS reverse | ACGATGAGGAACAACAGAG |
| PC | Model/AS forward | CCTTAGTGTTTGGTCAGC |
| PC | Model reverse | GCCTCCGCAGATAGTGTCT |
| PC | AS reverse | CATTCAGGAGATAGTGTCT |
| SLC16A3 | Model forward | ACCTAGGCGGGTGAGGCGGA |
| SLC16A3 | AS forward | GGCAATTACGGTGAGGCGGA |
| SLC16A3 | Model/AS reverse | GCTCCTTGAAGAAGACACT |
| SLC27A1 | Model/AS forward | TTCTACATCTACACGTCGGG |
| SLC27A1 | Model reverse | GCGGTAGTACCTGCTGTGCA |
| SLC27A1 | AS reverse | ATGATGTTTCCTGCTGTGCA |
| ALKBH7 | Model forward | GCGTGGTCAGGCCATCCACG |
| ALKBH7 | AS forward | TAGCCTCAGGGCCATCCACG |
| ALKBH7 | Model/AS reverse | GCCTGCACGCGCTGCAGGAT |
| LPIN3 | Model/AS forward | AAGAAGGTGCCAATGATGT |
| LPIN3 | Model reverse | AGCATCTGACTTGGTGATGG |
| LPIN3 | AS reverse | TGGGCCTCACTTGGTGATGG |
| CROT | Model forward | GAGATGACAGGTGCTAGTCA |
| CROT | AS forward | TTGTCCCTAGGTGCTAGTCA |
| CROT | Model/AS reverse | GGTGAATACAACCAGGACTT |