**Supplementary Material**

**Supplementary Table S1:** Primer sequences for genes involved in lipid and glucose metabolism, and bile acid synthesis.

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| **Gene** | ***Forward* (5’–3’)** | ***Reverse* (5’–3’)** |
| Acc1 | AGGAAGATGGTGTCCCGCTCTG | GGGGAGATGTGCTGGGTCAT |
| Fasn | AGGTGCTAGAGGCCCTGCTA | GTGCACAGACACCTTCCCAT |
| Scd1 | CAGTTCCTACACGACCACCACTA | GGACGGATGTCTTCTTCCAGAT |
| Cpt1a | CTCCTGAGCAGTTACCAATGC | GAACCTTGGCTGCGGTAAGAC |
| Aco | CCCAAGACCCAAGAGTTCATTC | TCACGGATAGGGACAACAAAGG |
| Hadha | TCGTGAACCGTCTCTTGGTG | TCCTTAGATGCATCGCCTCG |
| Lcad | GTATCTGGCAAGCGGAACCT | CGATTGTTTCAGACCTTAGTGGG |
| Mttp | CTTCTGCCTACACTGGCTACG | GTTCTCCTCTCCCTCATCTGG |
| Lpk | GACCCGAAGTTCCAGACAAGG | ATGAGCCCGTCGTCAATGTAG |
| G6pase | GAGTGGCTCAACCTCGTCTTC | AAGGGAACTGGTGAATCTGGAG |
| Pepck | TTTGTAGGAGCCGCCATGAG | GACAGACACCAAGAAGGGGG |
| Cyp7a | CTGCGAAGGCATTTGGACAC | GCATCTCCCTGGAGGGTTTT |
| Aotp4 | CGTGGGATAGGGGAAACACC | TTCGGACACTGTCTAGGTGC |
| Ntcp | CATCCTCAAGGGAGGCATGAT | CGAACATGATGCTGTTGCCC |
| Chrebp | GAAGACCCAAAGACCAAGATGC | TCTGACAACAAAGCAGGAGGTG |
| Srebp1c | GGAGCCATGGATTGCACATT | AGGAAGGCTTCCAGAGAG |
| Fxr | GCAACTGCGTGATGGATATG | TTCGCTGTCCTCATTCACTG |
| Ppara | GTACGGTGTGTATGAAGCCATCTT | GCCGTACGCGATCAGCAT |
| Pparg | GCCCTTTGGTGACTTTATGGAG | GCAGCAGGTTGTCTTGGATGT |
| Gapdh | GGAGAAACCTGCCAAGTATGATG | AACCTGGTCCTCAGTGTAGCCCC |

Acc1, Acetyl-CoA carboxylase-1; Fasn, Fatty acid synthase; Scd1, Stearoyl-CoA desaturase-1; Cpt1a, Carnitine palmitoyltransferase 1a; Aco, Acyl-CoA oxidase; Hadha, 3-Hydorxyacyl-CoA dehydrogenase; Lcad, Acyl-CoA dehydrogenase long-chain; Mttp, Microsomal triglyceride transfer protein; Lpk, L-type piruvate kinase; G6pase, glucose 6-phosphatase; Pepck, Phosphoenolpyruvate carboxykinase; Cyp7a, Cholesterol 7α-hydroxylase; Oatp4, Organic anion transporting polypeptide 4; Ntcp, solute carrier family 10 member 1; Chrebp, Carbohydrate response element binding protein; Srebp1c, Sterol regulatory element-binding protein 1c; Fxr, Farnesoid X receptor; Ppara, Peroxisome proliferator-activated receptor α; Pparg, Peroxisome proliferator-activated receptor γ; Gapdh, Glyceraldehyde 3-phosphate dehydrogenase.

**Supplementary Table S2:** Primary and secondary antibodies used.

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| --- | --- | --- |
| Antibody | Cat. number | Company |
| ACC | 3662S | Cell Signaling Technology, Boston, MA, USA |
| pACC | 3661 | Cell Signaling Technology, Boston, MA, USA |
| FASN | sc-20140 | Santa Cruz Biotechnology Inc., USA |
| SCD-1 | ab19862 | Abcam, Cambridge, UK |
| CPT-1α | scSc-20669 | Santa Cruz Biotechnology Inc., USA |
| MTTP | AV43618 | Sigma-Aldrich Chemicals, St Louis, MO, USA |
| mTOR | 2983S | Cell Signaling Technology, Boston, MA, USA |
| pmTOR | 2971S | Cell Signaling Technology, Boston, MA, USA |
| α-tubulin | T5168 | Sigma-Aldrich Chemicals, St Louis, MO, USA |
| Anti-mouse IgG | 7076 | Cell Signaling Technology, Boston, MA, USA |
| Anti-rabbit IgG | 7074 | Cell Signaling Technology, Boston, MA, USA |

ACC, Acetyl-CoA carboxylase; phospho (p)-ACC; FASN, Fatty acid synthase; SCD-1, Stearoyl-CoA desaturase-1; CPT-1α, Carnitine palmitoyltransferase 1α; MTTP, Microsomal triglyceride transfer protein; Mammalian target of rapamycin (mTOR) and phospho (p)-mTOR.