Supplementary Material

**Table S1 Metabolism‐related signaling pathways of KEGG.**

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| **Terms** | **Description** | ***p-*value** | **Gene name** |
| hsa03320 | PPAR signaling  | 0.01572 | FABP4/FABP3/DBI/FABP5/LPL/SCDFADS2/SCP2/RXRA/CD36/CYP27A1PPARG/PPARD/ACAA1/ACSL3/ACOX2CPT2/ACOX1/AQP7/ACADM/FABP6 |
| hsa04150 | mTOR signaling  | - | LPIN1/LAMTOR5/LAMTOR4/SGK1/LAMTOR1WNT5B/RPS6KA1/ATP6V1F/SEC13/ATP6V1DLAMTOR2/RPS6KB2/HRAS/MAPKAP1ATP6V1G1/LAMTOR3/DEPTOR/ATP6V1B2RHOAEIF4E2/RHEB/ATP6V1E1/SEH1LATP6V1A/RRAGD/EIF4B/FZD8/CAB39L/FZD3 |
| hsa04152 | AMPK signaling  | - | FASN/SCD/FBP1/HMGCR/CCND1/CD36PFKP/RPS6KB2/PPP2R1A/MLYCD/CFTRPPP2R3A/PPARG/PFKL/RHEB/PRKAG3ADIPOR2/RAB2A/PRKAG2/RAB14PPP2R2D/CAB39L |
| hsa04066 | HIF-1 signaling  | - | FLT1/PDHB/EGLN3/PGK1/RBX1/LDHARPS6KB2/HK3/ELOB/PDHA1/ENO1/ELOCCAMK2D/LTBR/EIF4E2/PFKL/MKNK1 |
| hsa04151 | PI3K-Akt signaling  | - | SGK1/VEGFB/GNGT2/VWF/FLT1/CCND1GNB4/RXRA/ITGA3/YWHAH/ITGA11/BADRPS6KB2/FGFR1/PPP2R1A/PPP2R3A/HRASGNB2/TNC/HSP90AA1/COL6A1/EIF4E2LAMB1/LAMA2/RHEB/CDC37/FN1/EIF4BPPP2R2D/YWHAB |

Note: PPAR, peroxisome proliferator activated receptor; mTOR, mammalian target of rapamycin; AMPK, Adenosine 5-monophosphate-activated protein kinase; HIF-1, hypoxia-inducible factor 1; PI3K, phosphoinositide-3-kinase; Akt, protein kinase B