

SUPPLEMENTARY INFORMATION

Supplementary Table S2. KEGG pathway analysis for the 289 overlapping genes based on DAVID database.

ID	Category	Term	Genes	PValue
1	KEGG_PATHWAY	mmu00650:Butanoate metabolism	ACSM3, ACSM1, AKR1E1, ABAT, BDH2, BDH1, ACSM5	4.77E-05
2	KEGG_PATHWAY	mmu00260:Glycine, serine and threonine metabolism	GLYCTK, SHMT1, GATM, DAO, SARDH	0.0025669 7
3	KEGG_PATHWAY	mmu03320:PPAR signaling pathway	CYP4A12A, FADS2, FABP7, CYP4A14, ADIPOQ, SCP2, PCK1	0.0030684
4	KEGG_PATHWAY	mmu00010:Glycolysis / Gluconeogenesis	GALM, G6PC, ACSS1, PGAM2, ACSS2, PCK1	0.0078012 7
5	KEGG_PATHWAY	mmu00982:Drug metabolism	GSTA4, CYP2C44, FMO1, GSTZ1, CYP2D26, GSTM7	0.0116842 3
6	KEGG_PATHWAY	mmu00920:Sulfur metabolism	SUOX, CHST11, PAPSS2	0.0135628 8
7	KEGG_PATHWAY	mmu00330:Arginine and proline metabolism	ACY1, GATM, ALDH4A1, DAO, PRODH	0.0156037
8	KEGG_PATHWAY	mmu00250:Alanine, aspartate and glutamate metabolism	ASPA, ABAT, ALDH4A1, DDO	0.0168924 4
9	KEGG_PATHWAY	mmu00603:Glycosphingolipid biosynthesis	FUT9, B3GALT5, ST8SIA1	0.0261541 2
10	KEGG_PATHWAY	mmu00500:Starch and sucrose metabolism	G6PC, ENPP3, MGAM, GYS2	0.0274608 1
11	KEGG_PATHWAY	mmu04920:Adipocytokine signaling pathway	G6PC, SLC2A4, ADIPOQ, PPARGC1A, PCK1	0.0336754 5
12	KEGG_PATHWAY	mmu00630:Glyoxylate and dicarboxylate metabolism	GLYCTK, MTHFD1, HAO2	0.0336825 2
13	KEGG_PATHWAY	mmu00830:Retinol metabolism	ALDH1A1, CYP4A12A, CYP2C44, CYP4A14, RDH16	0.0352925 8
14	KEGG_PATHWAY	mmu00620:Pyruvate metabolism	ACSS1, ME3, ACSS2, PCK1	0.0384107 7