Table S1. Gene names, primer, sequences for real-time quantitative PCR analysis

Gene	Primer sequence (5'-3')	Accession number
SREBP-1c	Forward: GCGACGGTGCCTCTGGTA Reverse: CGCAAGACGGCGGATTTA	XM_021066226.1
FAS	Forward: AGCCTAACTCCTCGCTGCAAT Reverse: TTCTTGGAACCGTCTGTGTTC	NM_001099930.1
CPT1α	Forward: ACAAGCCATAGTCTTAACGAAA Reverse: GCCAGTCCAGGATAACAAA	NM_001129805.1
C/EBPα	Forward: AACAACTGAGCCGCGAACTGGA Reverse: CTTGAGATCTGGAGACCCGAAACC	XM_003127015.4
PGC1α	Forward: TCTGAAAGGGCCAAGCAGAG Reverse: GTCCCTCAGTTCTGTCCGTG□	NM_213963.2
β-actin	Forward: ATGCTTCTAGACGGACTGCG Reverse: GTTTCAGGAGGCTGGCATGA	XM_003357928.4

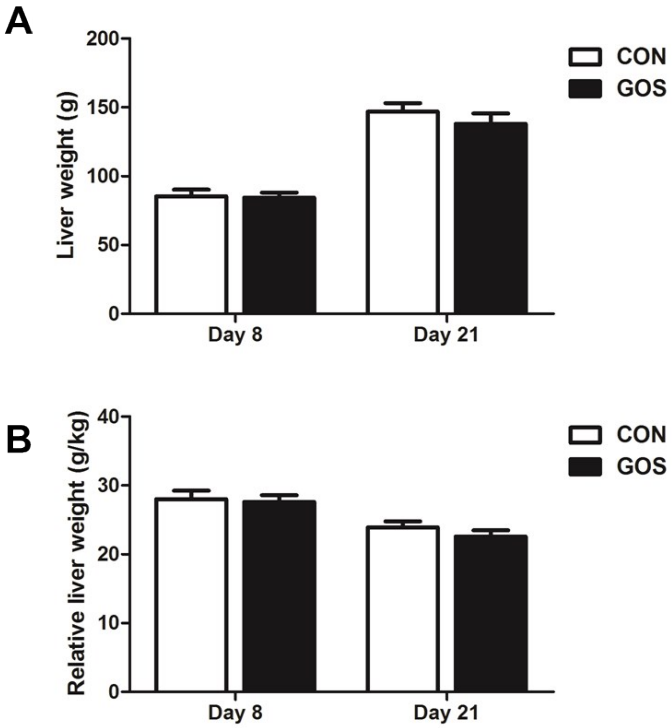

Fig. S1 Effects of the early-life GOS intervention on liver weight and relative liver weight of piglets (n = 6). (A) Liver weight of piglets on day 8 and day 21. (B) Relative liver weight of piglets on day 8 and day 21. CON, a control group; GOS, a galactooligosaccharides intervention group.

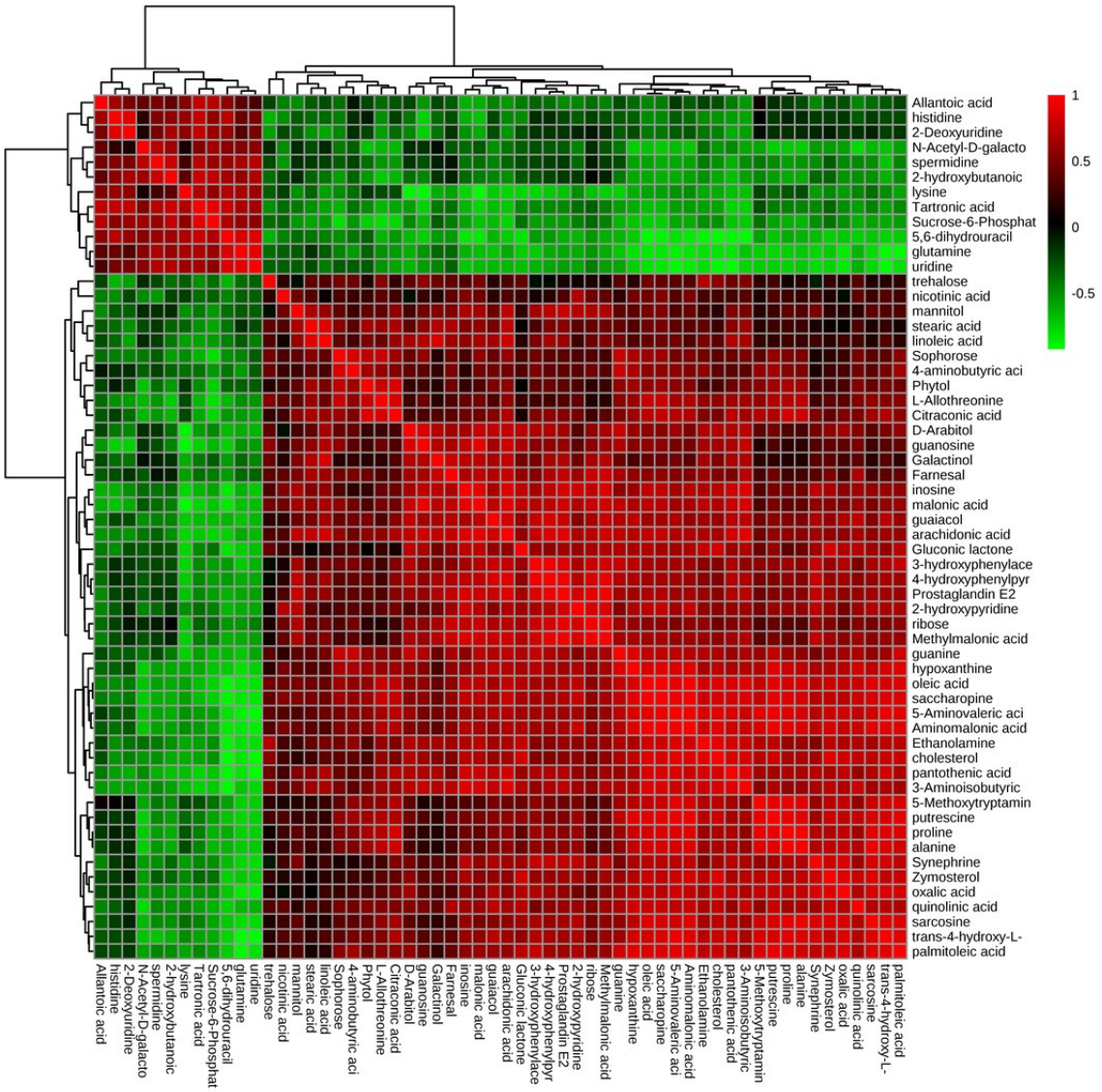

Fig. S2 Spearman correlation analysis of differential metabolites in piglet liver on day 8 (n = 6).

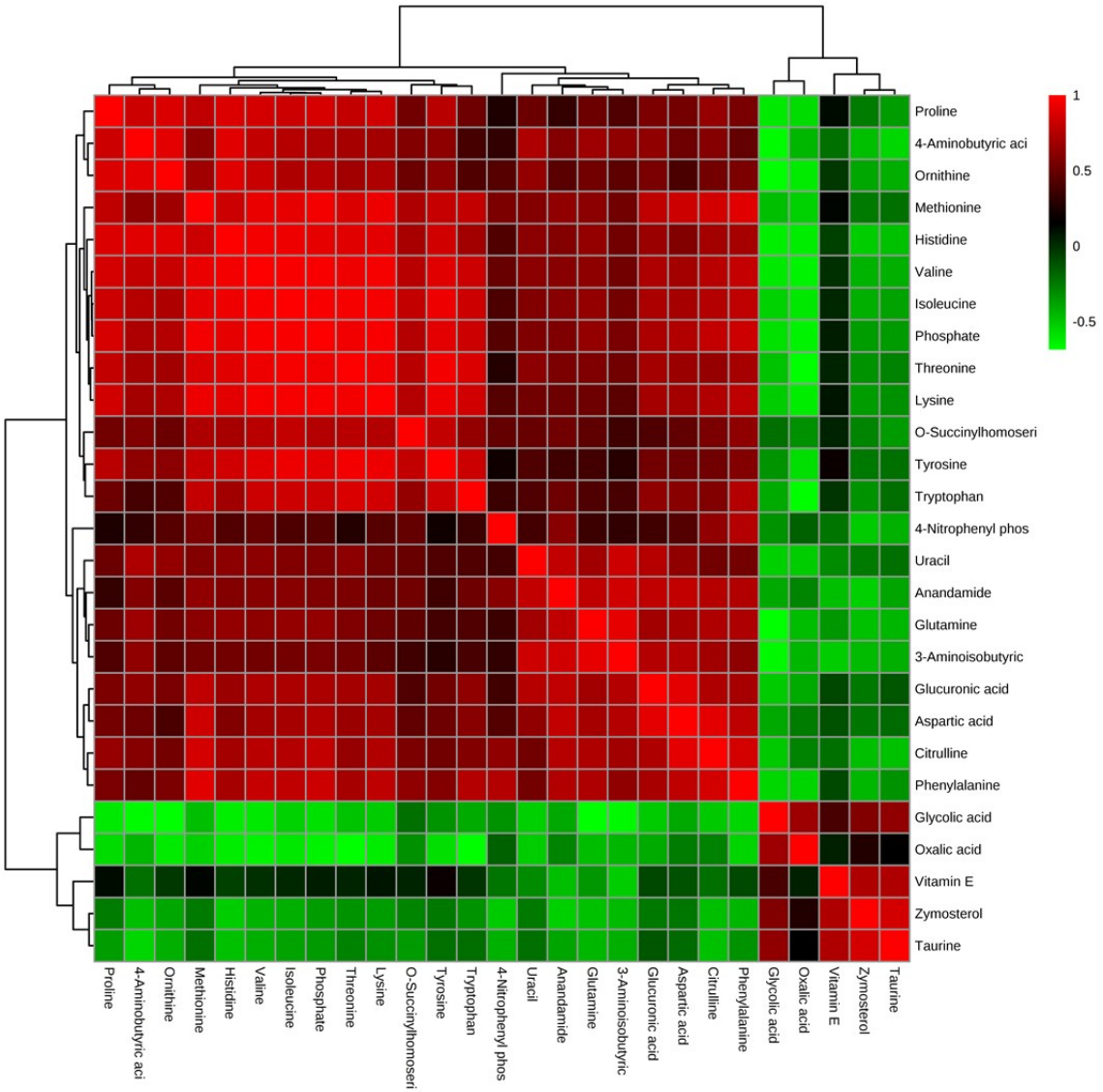

Fig. S3 Spearman correlation analysis of differential metabolites in piglet liver on day 21 (n = 6).

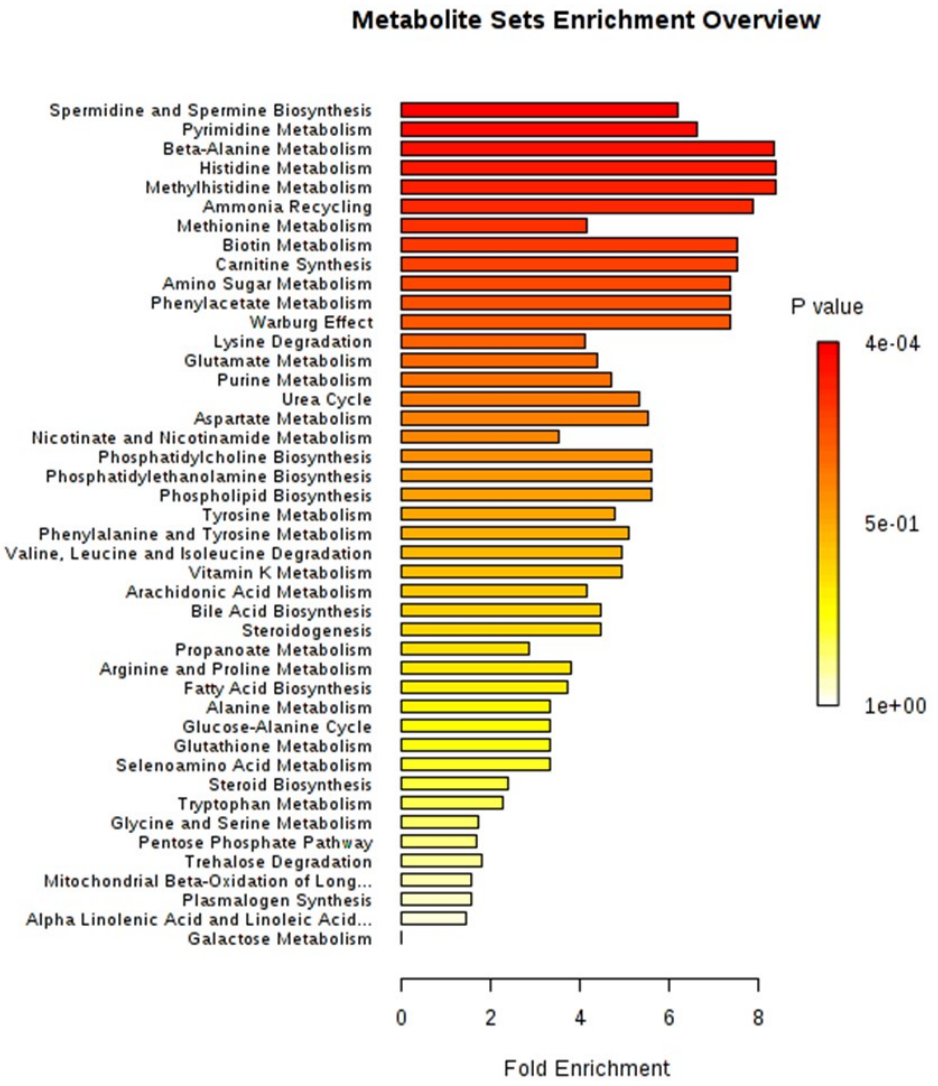

Fig. S4 Enrichment analysis of differential metabolites in piglet liver on day 8.

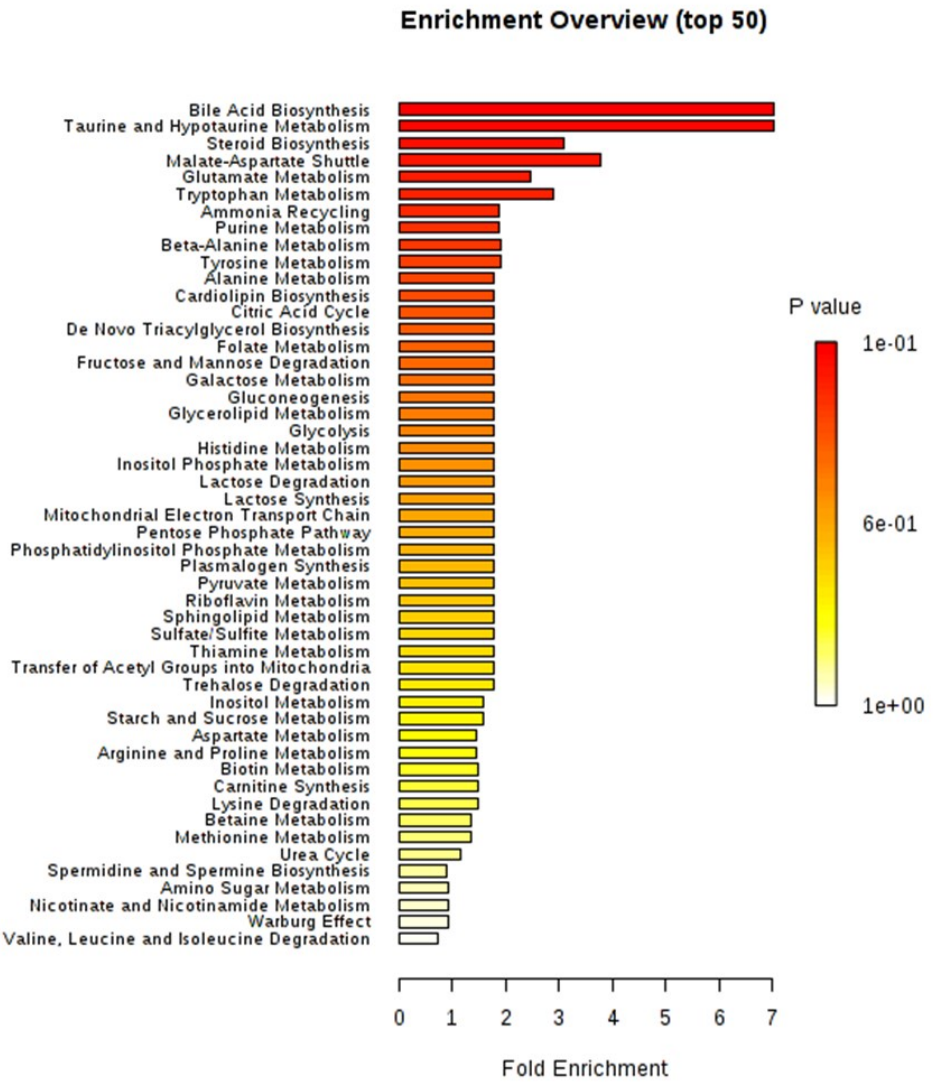

Fig. S5 Enrichment analysis of differential metabolites in piglet liver on day 21.