

Supplementary materials

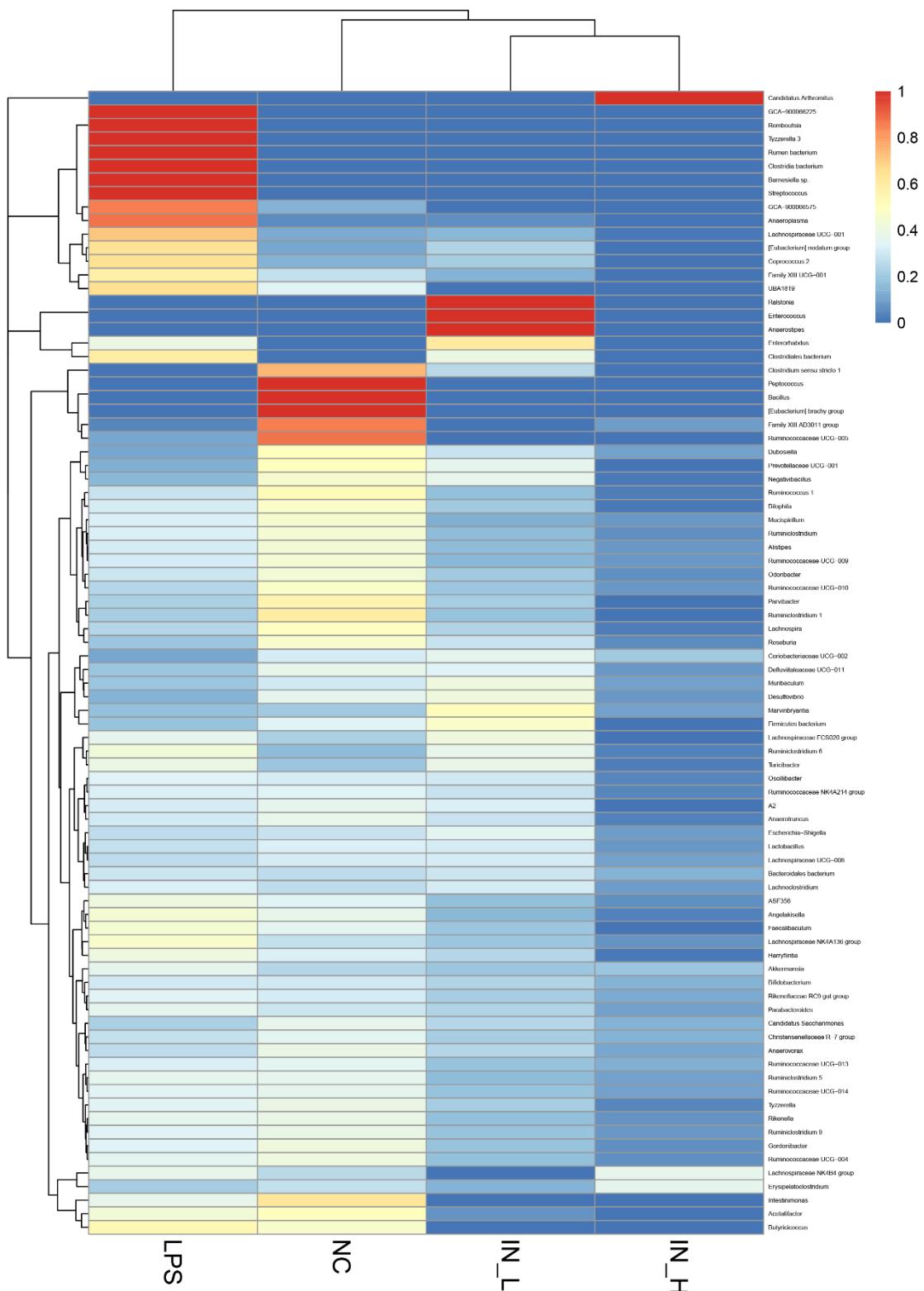


Figure S1 Heatmap of relative abundance at genus level.

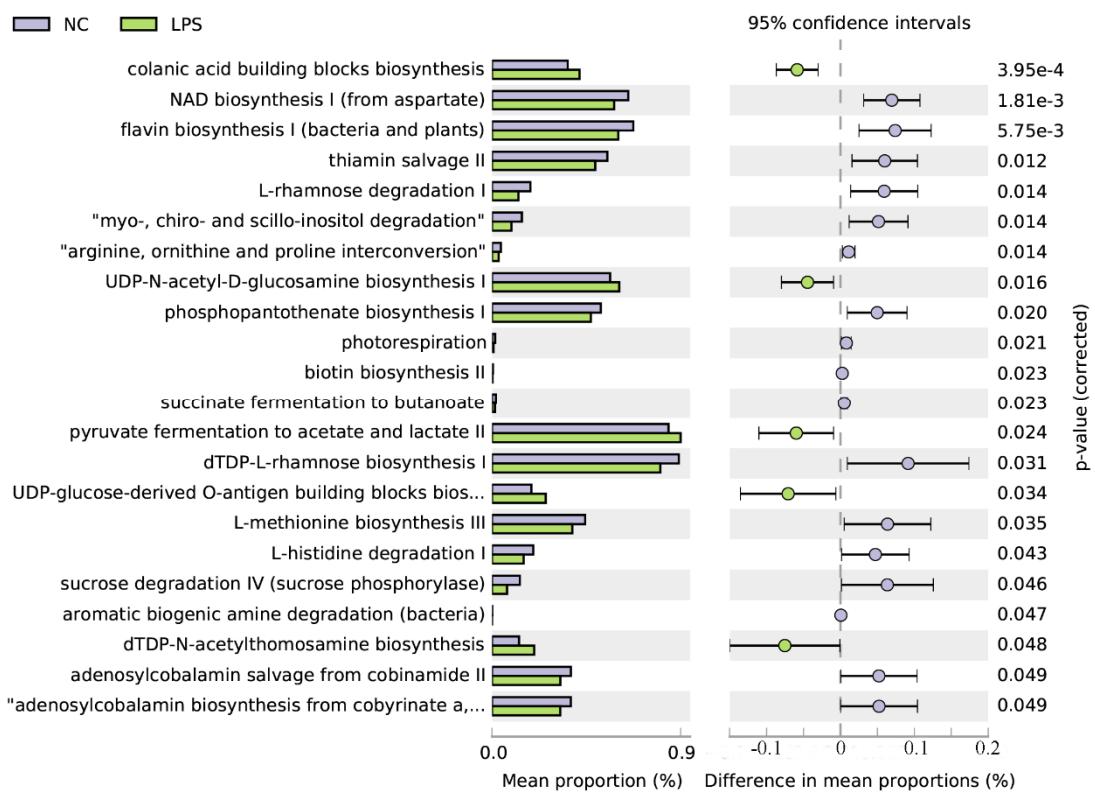


Figure S2 The remarkably differences of metabolic pathways between the LPS group and the IN-L group

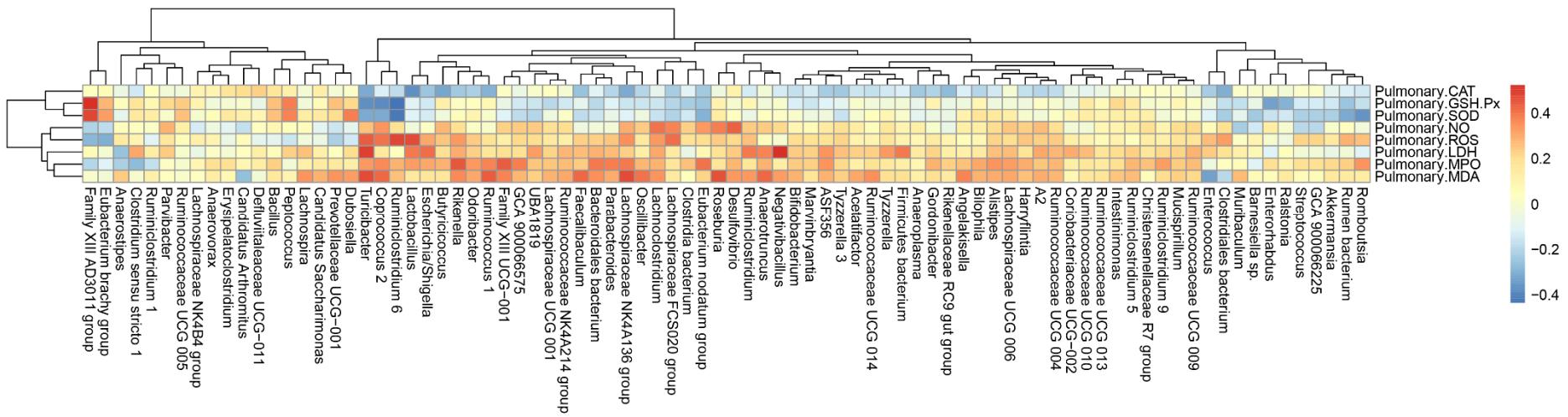


Figure S3 Heatmap of Spearman's correlations between the key intestinal microbial phylotypes and the parameters related to acute liver injury and inflammation.

Table S1. Primer sequences for quantitative real-time PCR of hepatic genes.

Primers	Forward Sequences (5'→3')	Reverse Sequences (5'→3')
TLR4	GGCAGCAGGTGGAATTGTAT	AGGCCCGAGAGTTTGTCT
MyD88	GTGCCGTCGGATGGTAGTG	GACAGTGATGAACCGCAGGAT
Akt	TCTACAACCAGGACCACGAGA	CTCCATGAGGATCAGCTCGAAC
Sirt1	AGAACCAACCAAAGCGGAAA	TCCCACAGGAGACAGAAACC
Nfr2	CCTCCGCTGCCATCAGTCAGT	TCGGCTGGGACTCGTGTCA
IKB α	ACCAACCAGCCAGAAATCG	TCACAGGCAAGGTGTAGAGGG
NF- κ B	CGCCCCTTATCGACCACC	CCTTCTCCAAGAGTCGTCCA
COX2	GGGAGTCTGGAACATTGTGAA	GCACGTTGATTGTAGGTGGACTGT
HO-1	ACATCCAAGCCGAGAATGCTG	CCAGTGAGGCCATACCAGA
TNF- α	TCTTCTCATTCTGCTTGTGGC	ACTTGGTGGTTGCTACGACG
IL-1 β	TCAAATCTCGCAGCAGCACATC	CGTCACACACCAGCAGGTTATC
IL-6	CCCCAATTCCAATGCTCTCC	CGCACTAGGTTGCCGAGTA