Supplementary Materials

Materials and methods

Quantitative real-time PCR analysis

Total RNA was extracted from liver of each treatment group with Trizol reagent and was reverse transcribed into cDNA. Then, the cDNA sample was quantified before conducting the quantitative real-time PCR (RT-PCR) analysis with specific primers (Table S1). The results were calculated by $2^{-\Delta\Delta ct}$ method and expressed as a ratio compared to GAPDH.

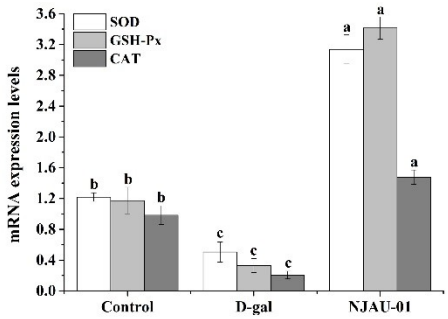

Fig. S1 *L. plantarum* NJAU-01 modulates the mRNA expressions of antioxidant enzymes including SOD, GSH-Px and CAT

Table S1 Primers in the present study

Gene	Forward primer (5' – 3')	Reverse primer (5' – 3')
GSH-Px	GAACGAGGAGATCCTGAACAGC	GGTAGGGCAGCTTGTCTTTCAG
SOD	TAACTGAAGGCCAGCATGGGT	GGTCTCCAACATGCCTCTCTTC
CAT	TTGTTCAGTGACCGAGGGATT	TTCCTGAGCAAGCCTTCCTG
GAPDH	AAGCCCATCACCATCTTCCA	CCTGCCTCACCACCTTCTTG