

Protective effects of enhanced minor ginsenosides in *Lactobacillus fermentum* KP-3-fermented ginseng for mice fed a high fat diet

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Figure S1:

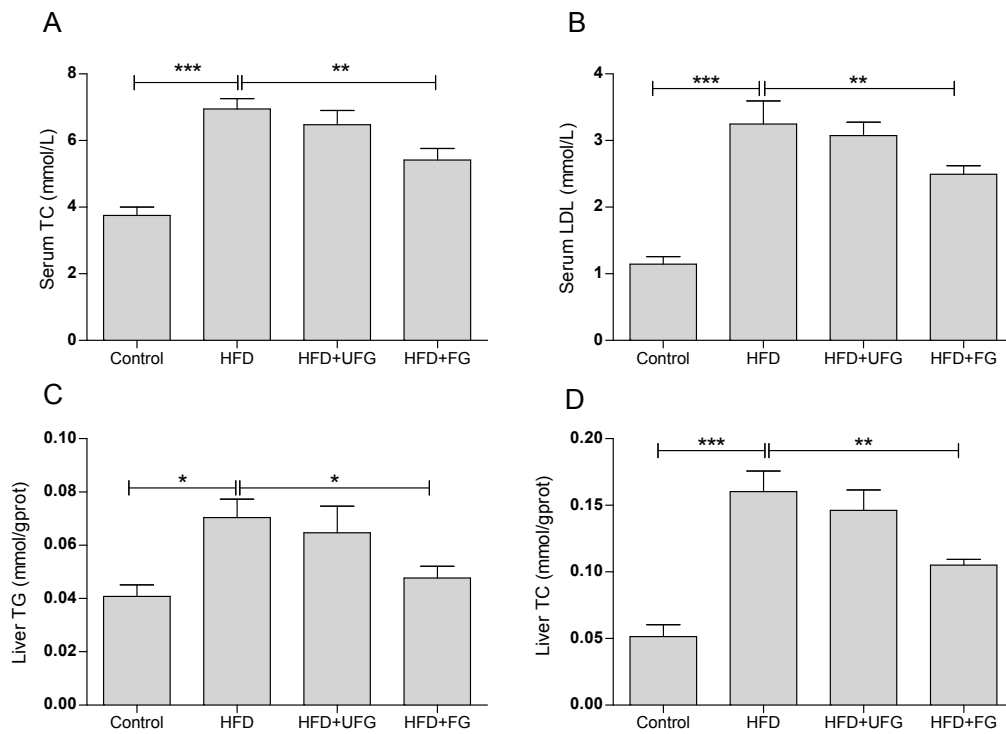


Fig. S1 The effects of different ginseng on lipid profiles. Serum TC (A), Serum LDL (B), Liver TG (C), and Liver TC (D) levels of mice in different groups at the end of the experiment. Control, normal chow; HFD, high fat diet; HFD + UFG, high fat diet supplemented with the un-fermented ginseng; HFD + FG, high fat diet supplemented with the probiotic-fermented ginseng. Values are presented as mean \pm SEM (n = 10). * (P < 0.05), ** (P < 0.01) and *** (P < 0.001) indicate significant differences between different groups.

Figure S2

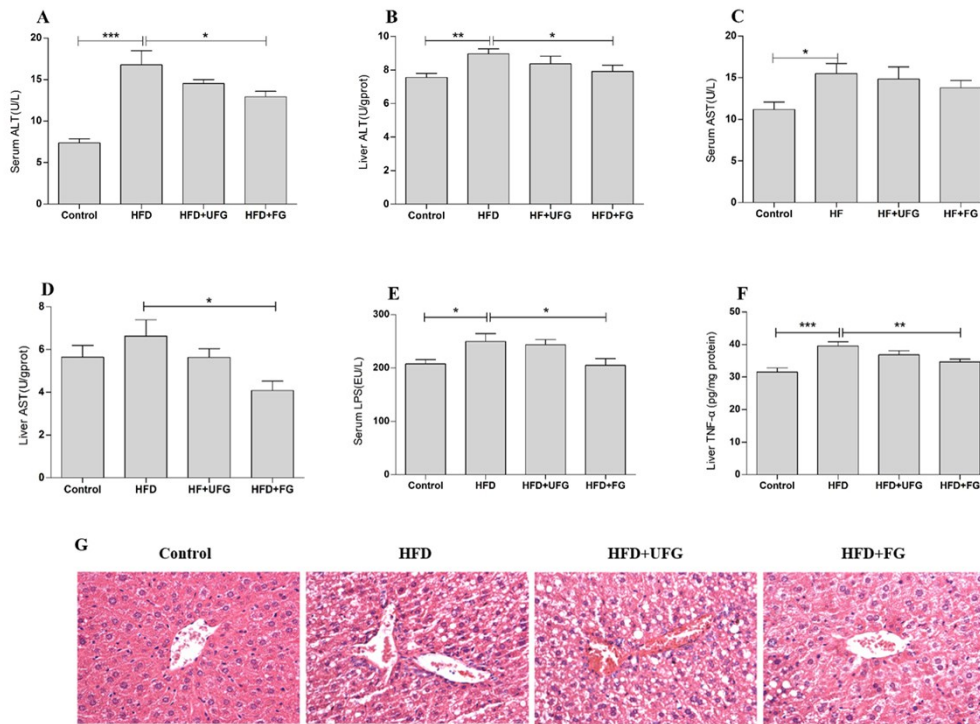


Fig. S2 The effects of different ginseng on HFD-induced liver injury. Serum ALT (A), Liver ALT (B), Serum AST (C), Liver AST (D), Serum LPS (E) and Liver TNF- α (F) levels of mice in different groups at the end of the experiment. The histological changes of liver sections were measured by HE staining at 100 \times magnification (G). Control, normal chow; HFD, high fat diet; HFD + UFG, high fat diet supplemented with the un-fermented ginseng; HFD + FG, high fat diet supplemented with the probiotic-fermented ginseng. Values are presented as mean \pm SEM (n = 10). * ($P < 0.05$), ** ($P < 0.01$) and *** ($P < 0.001$) indicate significant differences between different groups.