

## Supplementary data

### Figure captions

Fig. S1. Dietary influence on the level of hepatic TC (A) and TG (B) in different groups. CK: normal diet group; HF: high-fat diet group; LRS: HF diet containing 10% RS; MRS: HF diet containing 15% RS; HRS: HF diet containing 20% RS. “\*” indicates  $P < 0.05$  and “\*\*\*” for  $P < 0.01$ , respectively.

Fig. S2. Dietary influence on the level of hepatic TNF- $\alpha$  (A) and IL-6 (B) in different groups. CK: normal diet group; HF: high-fat diet group; LRS: HF diet containing 10% RS; MRS: HF diet containing 15% RS; HRS: HF diet containing 20% RS. “\*” indicates  $P < 0.05$  and “\*\*\*” for  $P < 0.01$ , respectively.

Fig. S3. Number of significant up/down regulated genes in relation to RS intervention. CK: normal diet group; HF: high-fat diet group; LRS: HF diet containing 10% RS; MRS: HF diet containing 15% RS; HRS: HF diet containing 20% RS.

Fig. S4. Analysis of the GO enrichment in different diets. (A) CK vs HF; (B) HF vs LRS; (C) HF vs MRS; (D) HF vs HRS. CK: normal diet group; HF: high-fat diet group; LRS: HF diet containing 10% RS; MRS: HF diet containing 15% RS; HRS: HF diet containing 20% RS.

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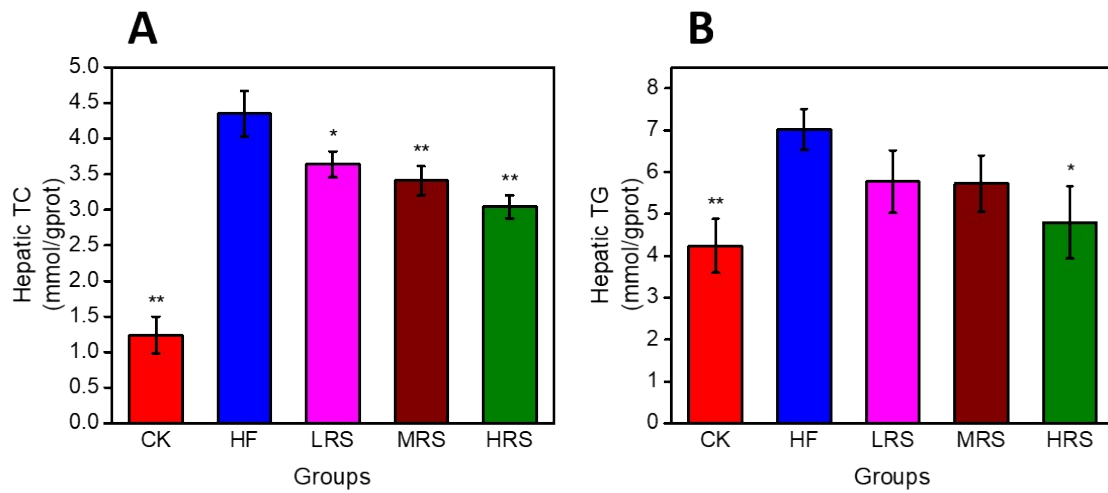


Fig. S2. Dietary influence on the level of hepatic TNF- $\alpha$  (A) and IL-6 (B) in different groups. CK: normal diet group; HF: high-fat diet group; LRS: HF diet containing 10% RS; MRS: HF diet containing 15% RS; HRS: HF diet containing 20% RS. "\*" indicates  $P < 0.05$  and "\*\*\*" for  $P < 0.01$ , respectively.

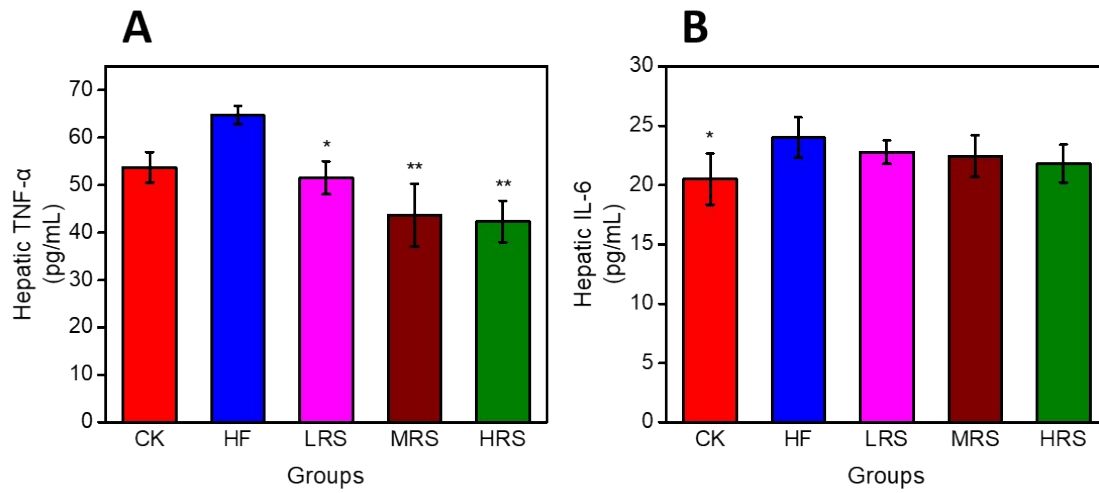


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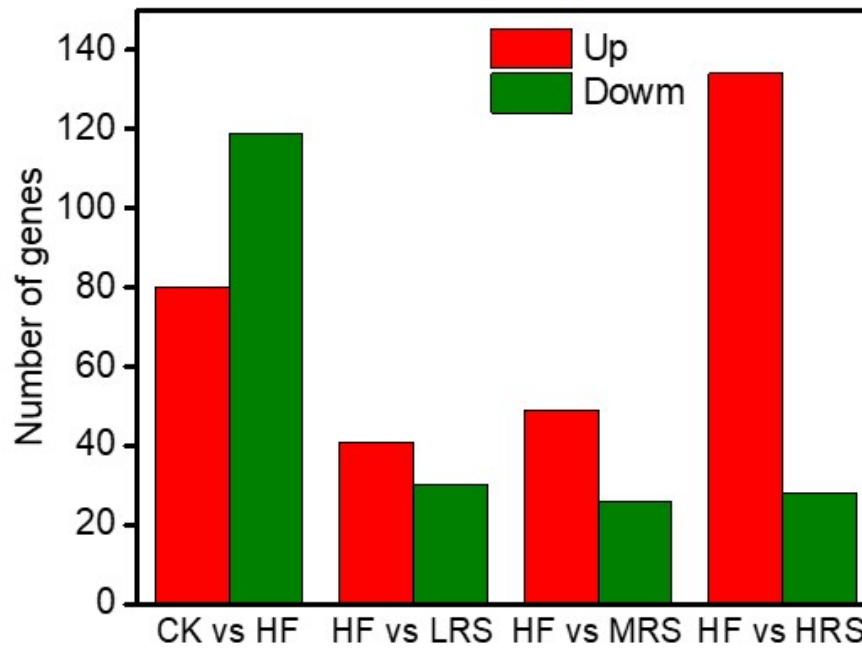


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