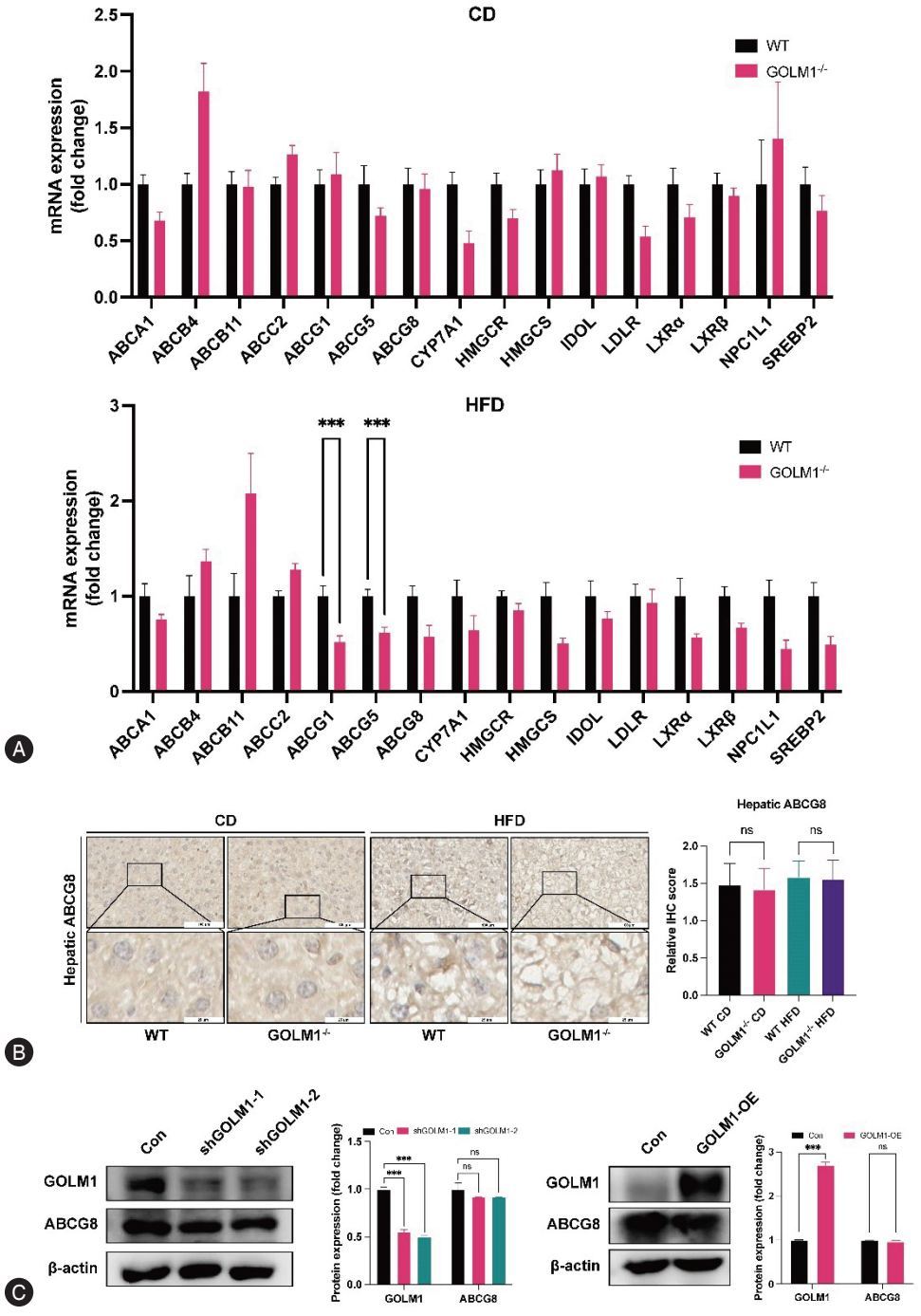

Supplementary Figure 5. Expressions of cholesterol metabolism-related genes and ABCG8 protein. (A) qRT-PCR analysis showing the hepatic metabolism-related gene expressions in the livers of CD- or HFD-fed mice. (B) IHC staining of hepatic ABCG8 in four groups of mice. n=12 mice per group. Scale bar, 100 μm. (C) GOLM1 and ABCG8 protein expression in HepG2-shGOLM1-1/-2 and HepG2-GOLM1 cells. ns, nonsignificant; ***P<0.005. ABCG8, ATP binding cassette transporter subfamily G member 8; CD, chow diet; GOLM1, Golgi membrane protein 1; GOLM1$^{-/-}$, GOLM1 knockout; HepG2-GOLM1 cells, GOLM1-overexpressing HepG2 cells; HepG2-shGOLM1 cells, GOLM1-knockdown HepG2 cells; HFD, high-fat diet; IHC, immunohistochemistry; qRT-PCR, quantitative real-time polymerase chain reaction; WT, wild-type.

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