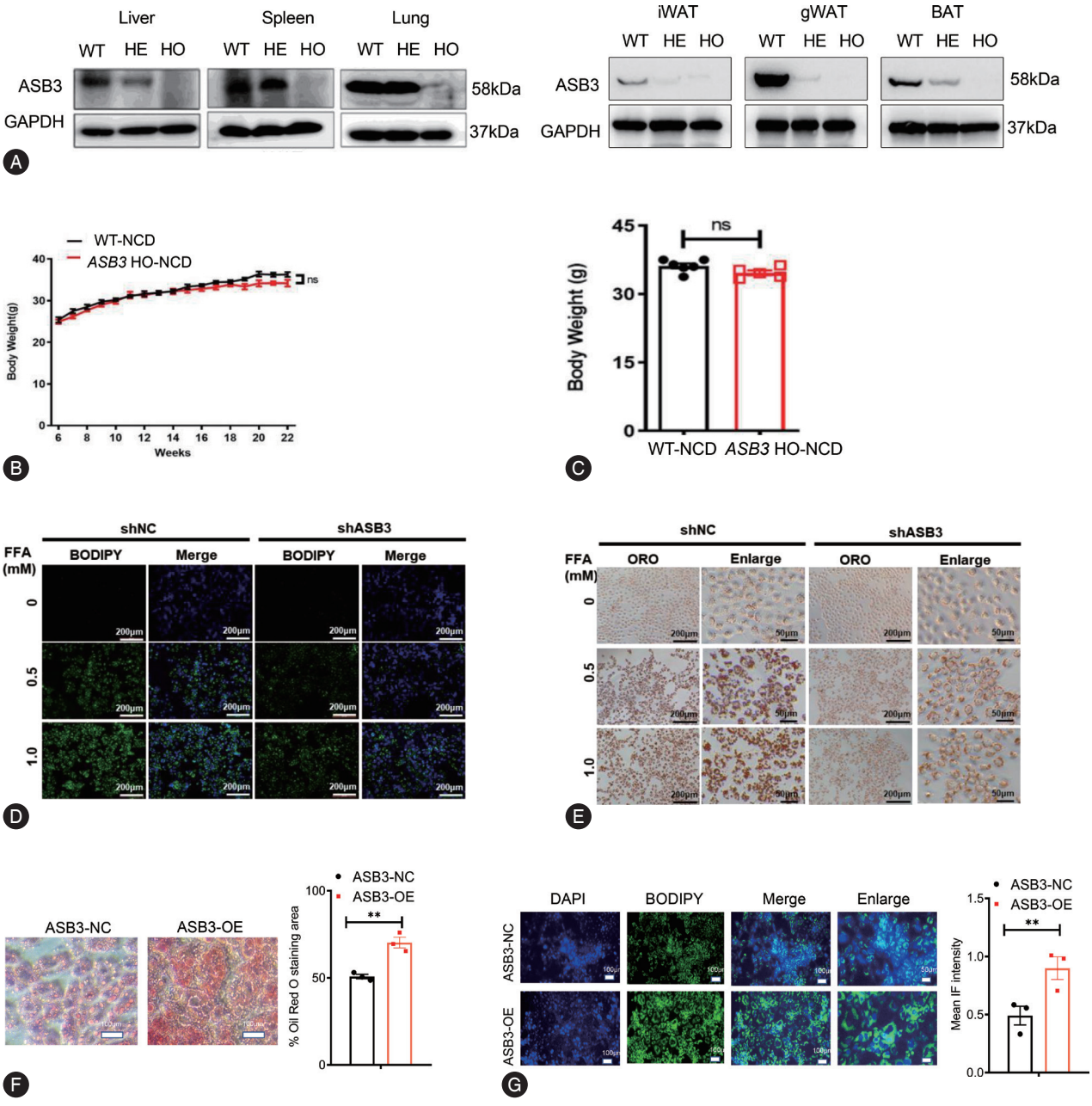

Supplementary Figure 1. Effect of knockdown of ASB3 on the FFA- induced lipid droplets in HepG2 cells. (A) Western blot shows the expression of ASB3 in ASB3 deficiency heterozygous (HE), homozygous (HO) and wild type (WT) mice. (B, C) Comparison of body weight in normal chow diet (NCD)- fed ASB3 HO mice and WT mice. The body weight curve (B) and quantitative data at 22 weeks (C). (D, E) Comparison of FFA induced lipid droplet formation in HepG2 cells treated with ASB3 shRNA (shASB3) or scrambled shRNA controls (shNC) and stained with BODIPY (D) or Oil Red O (E). n=5. (F) Oil Red O staining and quantification of lipid accumulation in ASB3-Normal control (ASB3-NC) and ASB3-overexpressing (ASB3-OE) HepG2 cells treated with 0.5 mM FFA for 24 hours. Scale bar: 100 μm. (G) BODIPY 493/503 fluorescence staining (green) of lipid droplets in ASB3-NC and ASB3-OE hepatocytes under PA treatment. $^{**}P<0.01$; ns, no significance.

 https://doi.org/10.3350/cmh.2024.1041