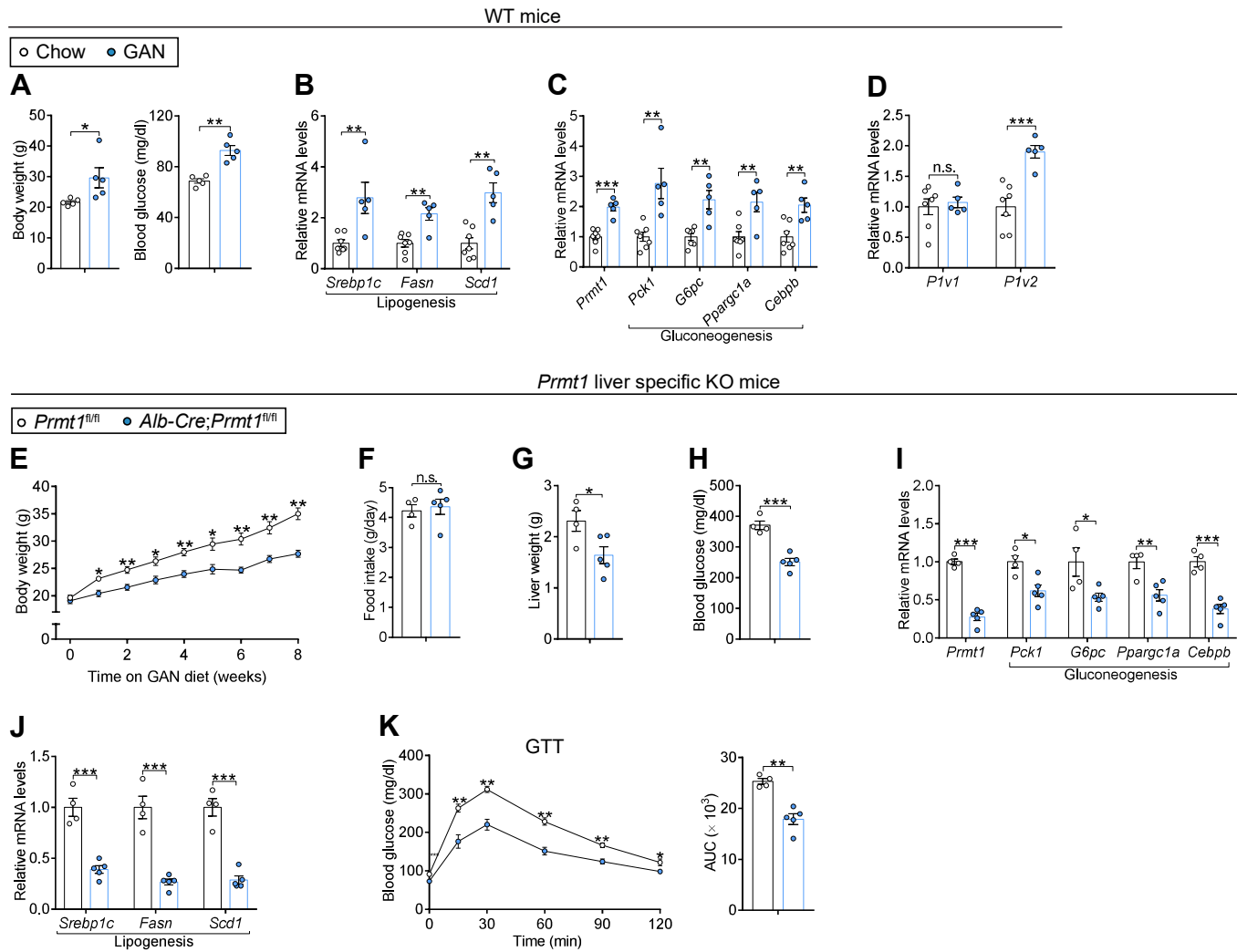


Supplementary Figure 8 (Related to Figure 5)



Supplementary Figure 8. Related to Figure 5. Deletion of hepatic *Prmt1* alleviates metabolic dysfunction induced by a western diet. **A**) Body weights (left) and 16 hour-fasted blood glucose levels (right) in wild-type (WT) mice on chow diet or Gubra Amylin Nonalcohol steatohepatitis (GAN) diet for 13 weeks ($n = 5/\text{group}$). **B**) qPCR analyses of lipogenesis marker mRNA levels in the liver from mice described in (A) ($n = 7$ for Chow, $n = 5$ for GAN). **C**) qPCR analyses of *Prmt1* and gluconeogenic marker mRNA levels in the liver from mice described in (A) ($n = 7$ for Chow, $n = 5$ for GAN). **D**) qPCR analyses of two different *Prmt1* variants in the liver from mice described in (A) ($n = 7$ for Chow, $n = 5$ for GAN). **E**) Changes in body weights of *Prmt1*^{fl/fl} and *Alb-Cre;Prmt1*^{fl/fl} mice upon GAN diet ($n = 4$ for *Prmt1*^{fl/fl}, $n = 5$ for *Alb-Cre;Prmt1*^{fl/fl}). **F**) Daily food intake on GAN diet in *Prmt1*^{fl/fl} and *Alb-Cre;Prmt1*^{fl/fl} mice ($n = 4$ for *Prmt1*^{fl/fl}, $n = 5$ for *Alb-Cre;Prmt1*^{fl/fl}). **G**) Liver weights of *Prmt1*^{fl/fl} and *Alb-Cre;Prmt1*^{fl/fl} mice after 8 weeks on GAN diet ($n = 4$ for *Prmt1*^{fl/fl}, $n = 5$ for *Alb-Cre;Prmt1*^{fl/fl}). **H**) Blood glucose levels in 6 hour-fasted mice described in (G) ($n = 4$ for *Prmt1*^{fl/fl}, $n = 5$ for *Alb-Cre;Prmt1*^{fl/fl}). **I**) qPCR analyses of *Prmt1* and gluconeogenic marker mRNA levels in the liver of 6 hour-fasted mice described in (G) ($n = 4$ for *Prmt1*^{fl/fl}, $n = 5$ for *Alb-Cre;Prmt1*^{fl/fl}). **J**) qPCR analyses of lipogenesis marker mRNA levels in the liver of 6 hour-fasted mice described in (G) ($n = 4$ for *Prmt1*^{fl/fl}, $n = 5$ for *Alb-Cre;Prmt1*^{fl/fl}). **K**) GTT in 16 hour-fasted mice described in (G) ($n = 4$ for *Prmt1*^{fl/fl}, $n = 5$ for *Alb-Cre;Prmt1*^{fl/fl}). AUC, area under the curve. Data are presented as mean \pm SEM. * $P < 0.05$; ** $P < 0.01$; *** $P < 0.001$. n.s., not significant. 2-tailed Student's *t* test (A-K).