Additional Figure 4 A В Fabp4 (FABP4) Pparg (PPARγ) Relative mRNA expression Relative mRNA expression 250 16 Weeks 20 Weeks 250 16 Weeks 20 Weeks 200 200 150 150 100 100 50 50 LDIRTHEC IDLR HESC Apoli Hrsc LILRENEC IDIR HESC LDIRTHEC Apoli Hisc LDIRELE IDIR HEC IDIR HESC LDIRELE IDLR HESC C D Fasn (FAS) Lep (Leptin) Relative mRNA expression Relative mRNA expression 20 Weeks 16 Weeks 600-250-16 Weeks 20 Weeks 200 400 150 100 200 50 IDIR HESC IDIR HESC Apoli Hrsc LDIR HEC APOE HESC IDIR HESC LDIRTHEC LDIR IDIR HESC IDLR' LF IDIR HEC LDIRTHEC

Additional Figure 4: LDLR^{-/-} mice were fed HFSC, HFC or LF for 16 weeks or 20 weeks (n = 6 animals per group). ApoE^{-/-} mice were fed HFSC for 16 weeks (n = 8 animals per group). Gonadal adipose tissue expression of the genes for PPAR γ (Pparg) (A), FABP4 (Fabp4) (B), and fatty acid synthase (FAS; Fasn) (C), and Leptin (Lep) (D) was determined by real-time RT-PCR. For statistical analysis LDLR^{-/-} mice fed HFSC or LF were compared with HFC-fed LDLR^{-/-} mice. In addition, LDLR^{-/-} and ApoE^{-/-} mice both fed HFSC were compared. All data represent mean \pm SEM. *P<0.05, **P<0.01, ***P<0.001