Supplemental Figure 16: Hepatic metabolism 8-10 weeks after sham surgery or transverse aortic constriction (TAC). (A) Colorimetric determination of plasma and VLDL TG from sham and TAC operated mice. Mean±SEM; t-test; n = 4-9. (B-C) Thin-layer chromatography of plasma and VLDL lipid extracts from sham and TAC mice. n = 4. (D-E) TLC of hepatic lipid extracts. Mean±SEM; t-test; n =5. (F) Western blot analysis of hepatic p38 MAPK phosphorylation (normalized to total p38 MAPK). Mean±SEM; t-test; n = 3. (G) Western blot analysis of hepatic PKCα levels (normalized to β-tubulin). Mean±SEM; t-test; n = 3. (H) qPCR analysis of Pepck, liver-type carnitine palmitoyltransferase-1 (Cpt-1α), uncoupling protein-2 (Ucp-2), hepatocyte nuclear factor-4 (Hnf-4α), and fatty acid synthase (Fas) expression. Mean±SEM; t-test; n=4. (I) Circulating blood glucose levels. Mean±SEM; t-test; n=5-9. *Significantly different (P ≤ 0.05) from sham control.