Supplementary Material

Set7 Deletion Prevents Glucose Intolerance and Improves the Recovery of Cardiac Function After Ischemia and Reperfusion in Obese Female Mice

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Supplementary Figure 1. Set7 protein levels are increased in the perigonadal adipose tissue of obese male mice. (A) Body weight of WT male mice fed a normal diet (Nd) and high-fat diet (HFD) for 12 weeks (n=8). (B) Representative images of western blotting for Set7 and ponceau staining. Set7 protein levels in the heart (C) and PAT (D) of WT male mice fed a normal diet (Nd) and high-fat diet (HFD) evaluated by western blot (n=8). *vs Nd (p<0,05).



Supplementary Figure 2. Inhibition of Set7 does not affect white adipocyte differentiation in vitro. (A) Set7 protein levels in 3T3-L1 cells (0 day) and at day 7 after induction of white adipocyte differentiation (day 7) evaluated by western blotting (n=3). Protein levels of me2-Rpl29 (B) (n=4), Ppar_γ (C) (n=5-4), Fabp4 (D) (n=6), and Cebp_α (E) (n=6) in white adipocytes treated with DMSO or (R)-PFI-2 evaluated by western blotting. (B) Representative images of white adipocytes stained with Oil Red O. (F) Representative images of western blotting for me2-Rpl29, Ppar_γ, Fabp4, and Cebp_α. The protein levels were normalized by α -tubulin (A) and β -tubulin (B, C, D, E, F). * vs DMSO (p<0,05).