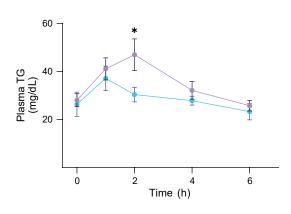
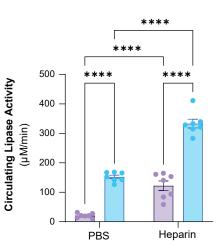
Supplementary Figure 1. *G0s2*-AKO mice on chow diet show enhanced lipid tolerance, reduced ANGPTL4 expression and increased LPL production. A. Plasma TG levels during the oral lipid tolerance test (OLTT) over time (n=7). B. iAUC analysis of plasma TG levels during the OLTT (n=7). C. Circulating lipase activity measured 10 min after PBS or heparin administration (n=7), as determined following a 60-min reaction of plasma with the artificial substrate. D. Plasma LPL protein concentration 10 min post-PBS or heparin administration (n=7). E. Western blot analysis of proteins in epididymal WAT after 4-h refeeding following an overnight fast. F. Relative mRNA expression in epididymal WAT after the 4-h refeeding (n=7) by qPCR. Data are presented as mean \pm SEM. Statistical significance was determined using unpaired two-tailed t-tests (A&B) or two-way ANOVA (C, D&F): *p < 0.05, **p < 0.01, ***p < 0.001, ****p < 0.0001.

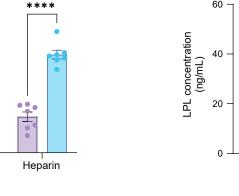
Supplementary Figure 2. Impact of WAT transplantation on body weight and

compositions. **A**. Plasma TG levels in chow-fed donor mice (WT, n=9; $G0s2^{-/-}$, n=10) and WD-fed recipient mice (n=19) prior to transplantation. **B**&**C**. Total body weight (B) and body compositions (C) before and after transplantation (n=9-10). Data represent mean ± SEM. *p < 0.05, **p < 0.01, ****p < 0.001, ****p < 0.001 by two-way ANOVA (**A**, **B**&**C**).

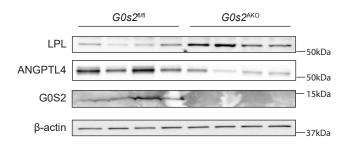
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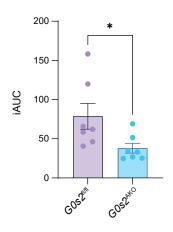












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