Role of arginase 2 in systemic metabolic activity and adipose tissue fatty acid metabolism in diet-induced obese mice

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Supplementary Materials

Supplementary Figure S1. Representative Images of cytoplasmic lipid droplets stained with Oil Red O after in vitro differentiation of preadipocytes from SVF of VAT, scale bar=50 μm

Supplementary Figure S2. Effect of HFHS on food intake calculated as kcal of food consumed/day (A) and locomotor activity calculated as steps/day (B) in WT and A2−/− mice. Values are means ± SEM, n=5-9 per group.
Supplementary Figure S3. Arginase 1 (A1) mRNA expression levels in adipocytes isolated from WT mice and mice globally lacking arginase 2 (A2/-) fed HFHS diet for 16 weeks, determined by RT-PCR and normalized to hypoxanthine phosphoribosyl transferase (HPRT) expression. Data are presented as means ± SEM, n =6-7 per group.

Supplementary Figure S4. Representative agarose gel electrophoresis of RT-PCR products of genes involved in fatty acid oxidation in adipocytes isolated from WT mice and mice globally lacking arginase 2 (A2/-) on high fat-high sucrose (HFHS) for 16 weeks and normalized to hypoxanthine phosphoribosyl transferase (HPRT) expression.