

Supplemental_Fig_S5

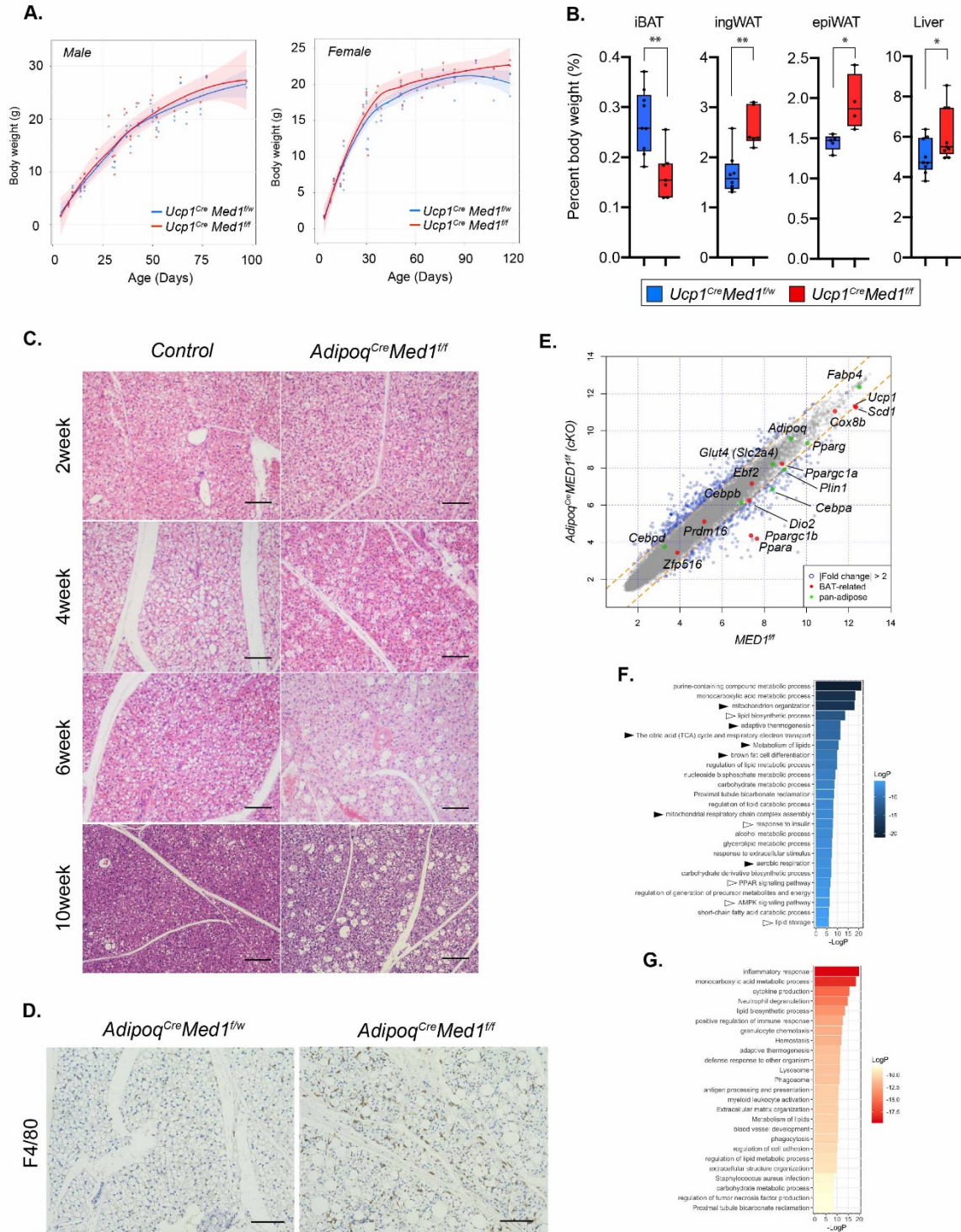


Figure S5: Analysis of adult BAT in the absence of MED1

A) Body weight transition of *Ucp1^{Cre}Med1^{f/w}* and *Ucp1^{Cre}Med1^{ff}* mice (Mean, Confidence interval 0.95). Both male and female *Ucp1^{Cre}Med1^{ff}* mice showed a trend toward an increase in body weight in young adults. **B)** Percentage of tissue weight over body weight values are shown. Note that while BAT is smaller in *Ucp1^{Cre}Med1^{ff}* mice compared to *Ucp1^{Cre}Med1^{f/w}* mice, WAT and liver show increase masses in *Ucp1^{Cre}Med1^{ff}* mice (mean, \pm SD, * $p < 0.05$, ** $p < 0.005$ (T-test)). **C)** H&E staining of paraffin sections of BAT tissues harvested postnatally from control and *Adipoq^{Cre}Med1^{ff}* mice at 2, 4, 6, and 10 weeks of age. Bars indicate 100 μ m. **D)** Immunohistochemistry of F4/80 antigen in 10-week old BAT of *Adipoq^{Cre}Med1^{f/w}* and *Adipoq^{Cre}Med1^{ff}* mice. Bars indicate 100 μ m. **E)** microarray analysis of BAT isolated from *Med1^{ff}* (n=2) and *Adipoq^{Cre}Med1^{ff}* (n=2) mice. Genes with changes >2-fold between conditions are plotted in blue. Representative pan-adipose genes are plotted in green, and representative BAT-genes are plotted in red. **F)** GO enrichment analysis of down-regulated genes in BAT of *Adipoq^{Cre}Med1^{ff}* mice are shown. Top 25 categories are shown. White arrowheads correspond to pan-adipose-related terms and black arrowheads correspond to BAT-related terms. **G)** GO enrichment analysis of upregulated genes in BAT of *Adipoq^{Cre}Med1^{ff}* mice is shown.