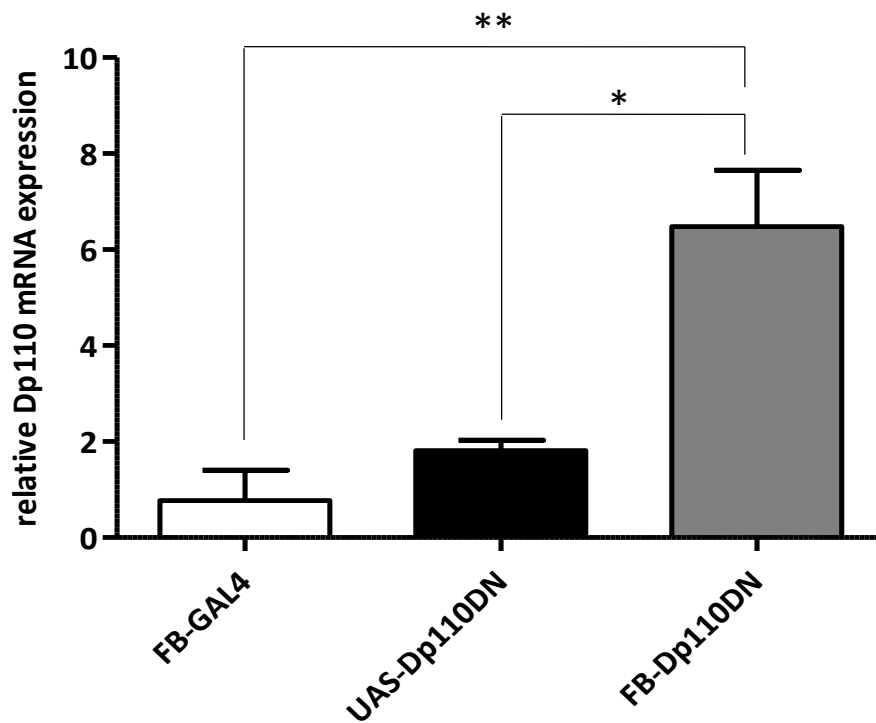


Increased mitochondrial and lipid metabolism is a conserved effect of Insulin/PI3K pathway downregulation in adipose tissue

Lucia Bettedi, Anqi Yan, Eugene Schuster, Nazif Alic and Lazaros C. Foukas

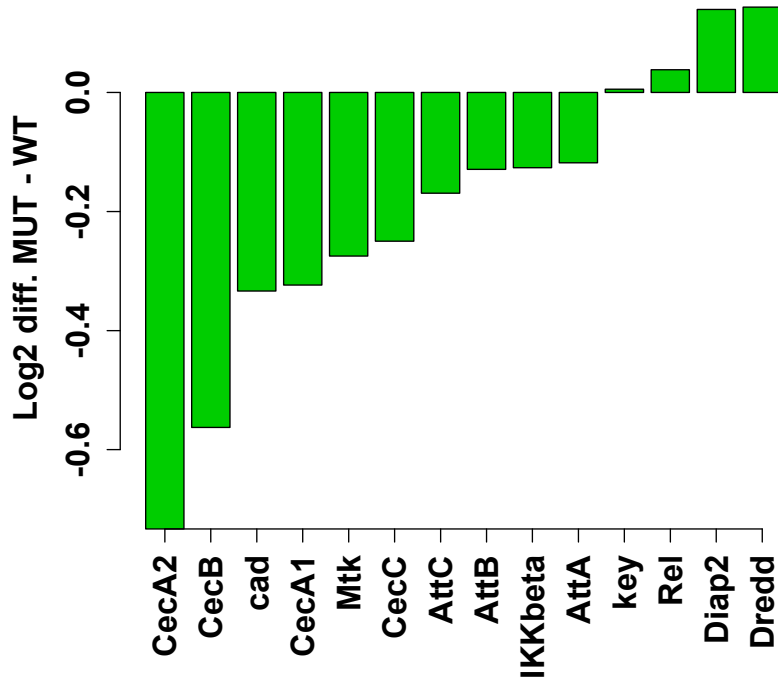
Supplementary Information



Supplementary Fig. 1: Expression of Dp110DN transgene in fat bodies of FB-Dp110DN flies.

RNA was extracted from freshly dissected fat body homogenates of Dp110DN and control flies and expression of Dp110 was assessed by Q-PCR.

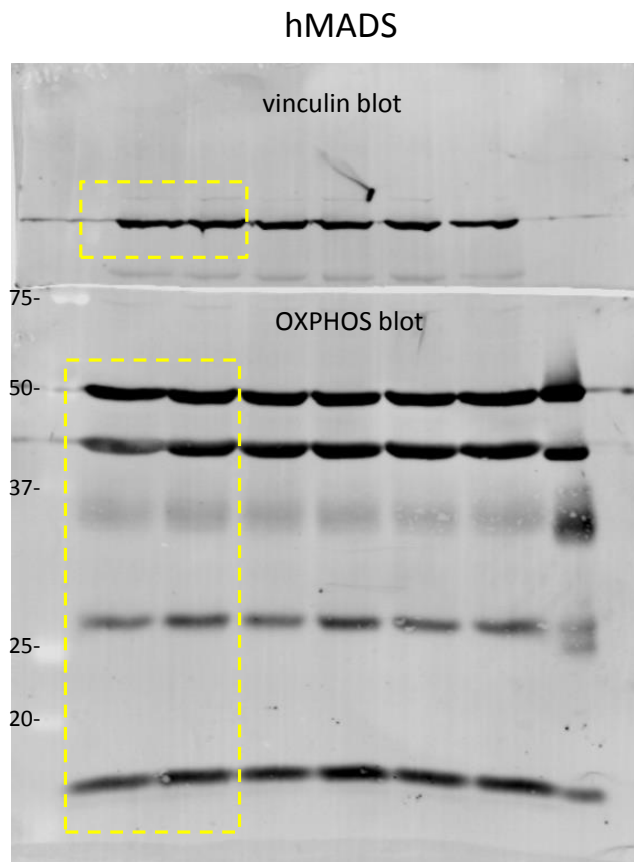
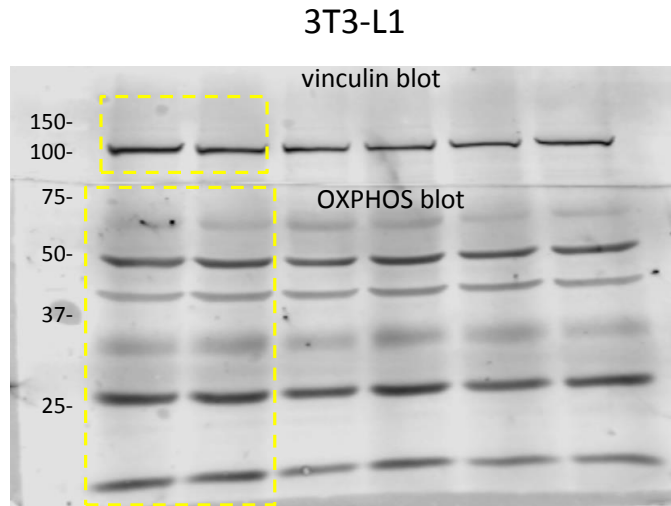
Data are presented as mean ± sem from three (n=3) biological replicates (each sample derived from 5 pooled fat bodies). Statistical comparison was performed with one way ANOVA with Bonferroni's multiple correction test. * p<0.05, ** p<0.01.



Supplementary Fig. 2: Reduced antimicrobial peptide gene expression in Dp110-DN fly fat body.

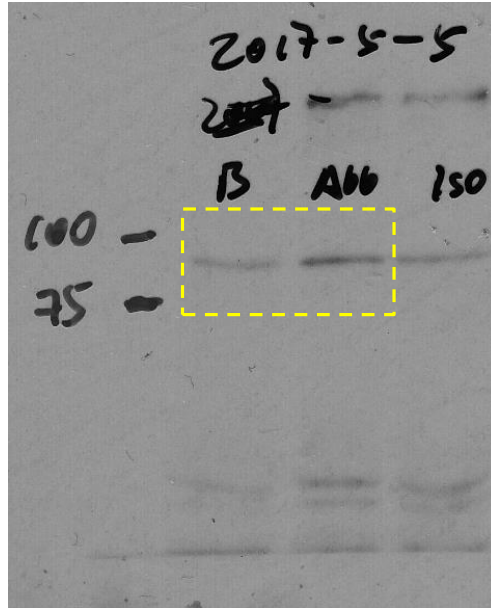
Antimicrobial humoral response (GO:0019730) shows a significant shift for down regulation in the mutant flies ($p = 0.004$, Mann-Whitney test on log2 diff).

Source blots for Fig. 3B-C

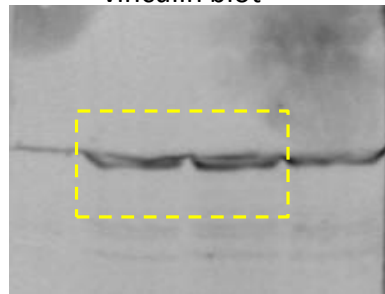


Source blots for Fig. 3D

PGC1 α blot

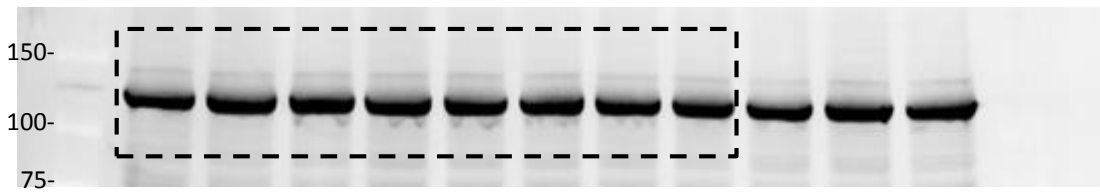


vinculin blot



Source blots for Fig. 4C

vinculin blot



LC3B blot

