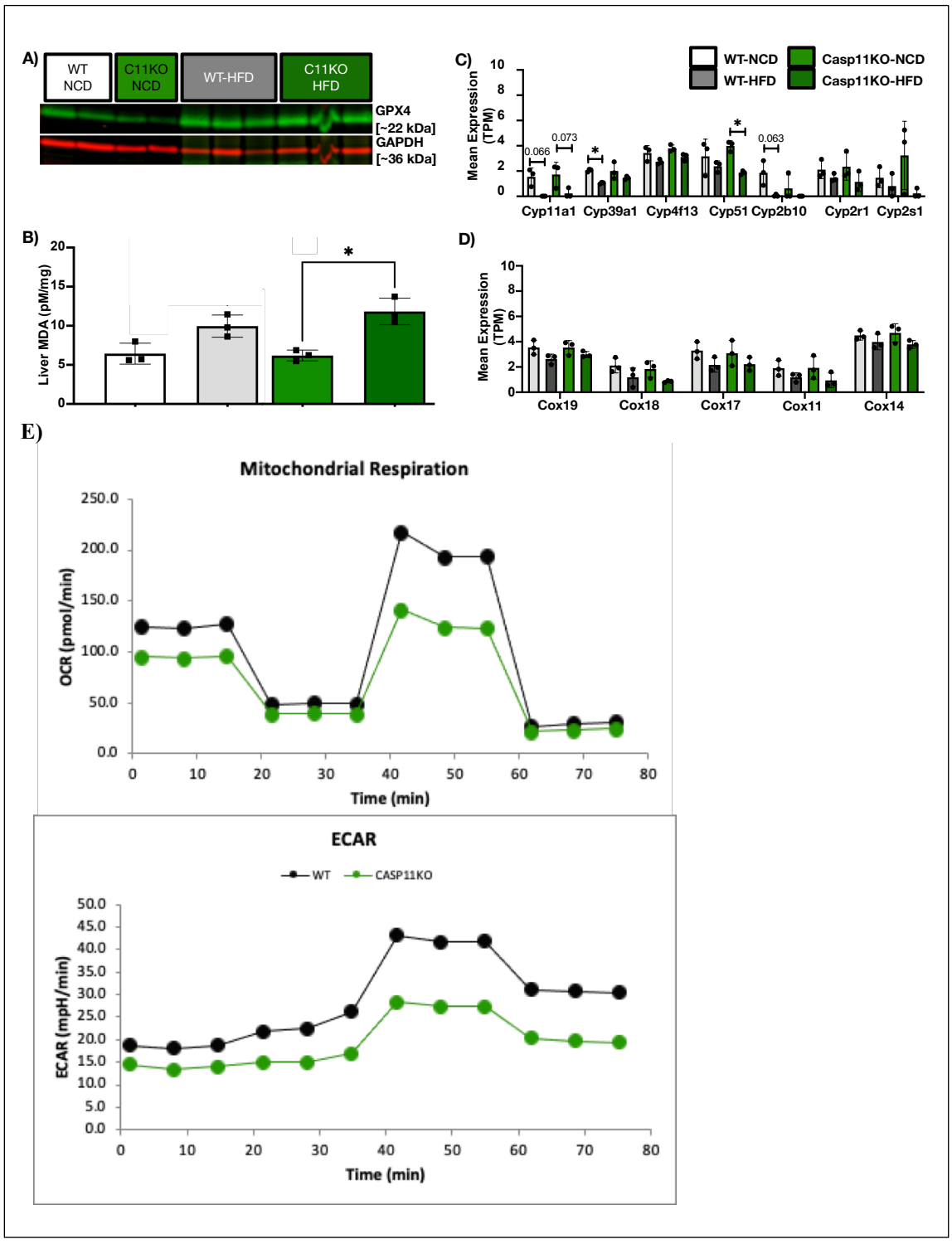
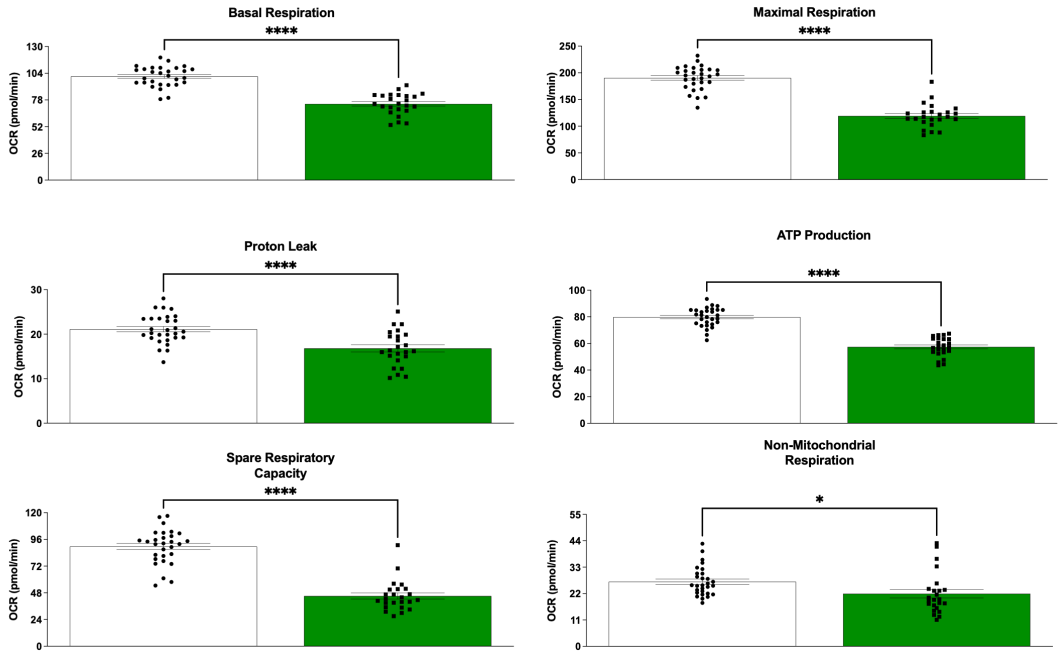
7. SUPPLEMENTARY FIGURES



F)



Supplementary Figure A (continued). Caspase-11 deficiency increases Lipid Peroxidation in vivo, decreases lipid metabolism in vitro. Wild-type (WT) and Caspase-11 deficient (Casp11KO) male mice 8-10 weeks old were fed 12-week test diet. A) Western blot for glutathione peroxidase 4 (Gpx4). B) Liver malondialdehyde (MDA) concentrations. C) Bulk RNA-seq expression (TPM) of cytochrome p450s (CYPs). D) Bulk RNA-seq expression (TPM) of cyclooxygenases (COXs). E-F) Seahorse mitochondrial function assay of Casp11KO vs WT BMDMs in palmitic acid supplemented medium. Statistical Analysis: Bulk RNAseq analysis performed using Qlucore Omics Explorer. Multi-variant analysis (Two-Way ANOVA), *p<0.05. Seahorse mitochondrial stress assay. Marrow from 3 mice were cultured, treated with palmitic acid then pulled for seahorse analysis. T-test. *p<0.05.

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