Supplemental Figure 1. ATP and ROS levels in ArKO liver mitochondria. A, ATP levels were measured in total homogenate and in cytosolic and mitochondrial subcellular fractions (20 µg protein) from four ArKO and four WT livers using the luciferin/luciferase luminescence system. Triplicate measurements were performed for each sample. Data are presented as mean ± SEM. B, ROS levels were analyzed in isolated mitochondria (40 µg protein) using the membrane permeable fluorescent dye DCF-DA (λexc = 488 nm, λem = 520 nm). Triplicate measurements were performed for each sample. Data are presented as mean ± SEM. A.U., arbitrary units.
Supplemental Fig. 1

A

Homogenate  Cytosol  Mitochondria

ATP levels (nmol/mg protein)

0  10  20  30

WT  ArKO

B

ROS levels (Fluorescence, A.U.)

0  7000  14000  21000  28000  35000

WT  ArKO