

SUPPLEMENTARY DATA

Supplementary Figure 1. Four weeks of high-fat diet (HF) in female rats did not induce mitochondrial biogenesis, phosphorylation of calcium/calmodulin dependent protein kinase II (CaMKII) or increase mitochondrial reactive oxygen species emission. Representative Western blots showing unaltered protein contents in subunits of the electron transport chain using the mitochondrials OXPPOS antibody cocktail (A), or in the phosphorylation of CaMKII (B). In addition, high-fat diet (HF) did not increase rates of hydrogen peroxide (H₂O₂) emission from permeabilized muscle fibres (C) compared to chow fed animals (Cont.). Complex I was detected at ~20 kDa, complex II at ~30 kDa, complex IV at ~39 kDa, complex III at ~47 kDa and complex V at ~53 kDa. A representative ponceau stain of the entire membrane used to assess OXPPOS protein content is shown to confirm constant loading. Values represent means±SEM. N=4.

