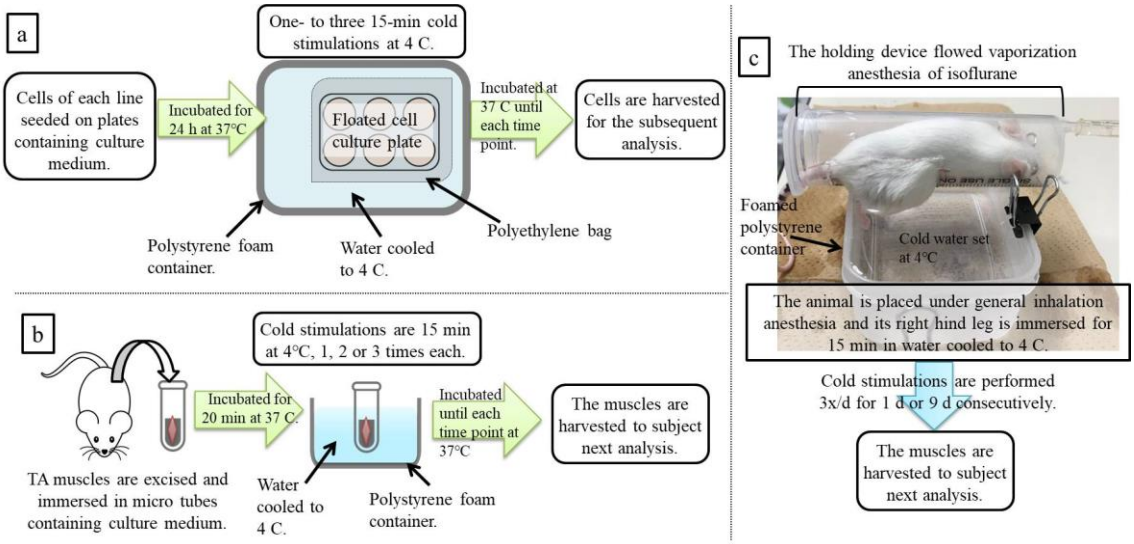
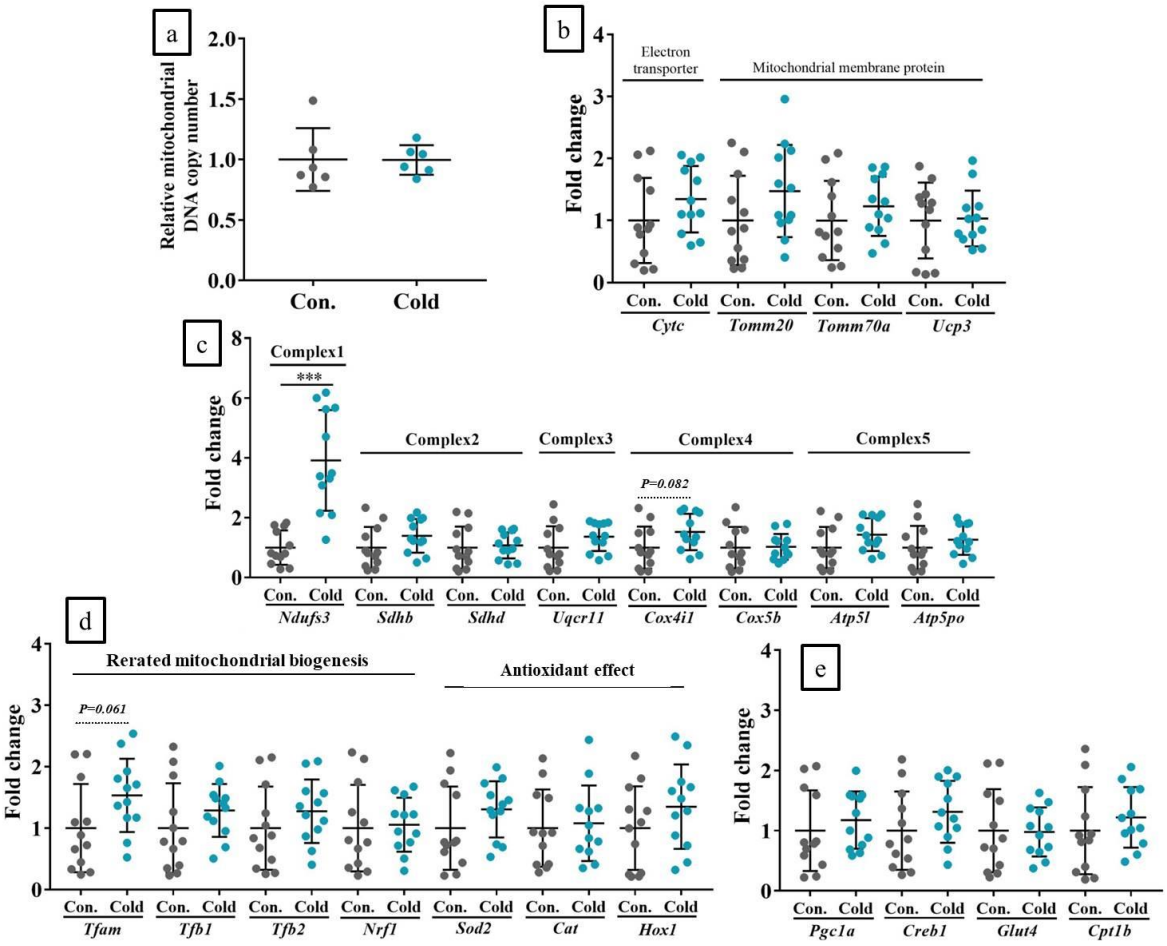


Supplemental Fig. 1. Overview of cold stimulation methods.

a: In vitro experiment; b: ex vivo experiment; c: in vivo experiment.



Supplemental Fig. 2. Acute cold stimulation had almost no effect on mitochondrial biogenesis or other factors in vivo.

a: Mitochondrial DNA copy number; b: mitochondrial components genes, c: mitochondrial complex genes, d: *Pgc1-α* regulated genes; e: CREB-targeting genes in acute cold stimulation in vivo. Con: control (no cold stimulation); Cold: 15-min cold stimulation. N=12 per group. ***$P <$ 0.001 according to Welch's *t*-test.