Supplemental Data Unit 5. ERRα is involved in AMPK mediated expression of oxidative metabolism genes. (A) QPCR showing mRNA expression of oxidative metabolism genes (Mb, Pdk4, and Cycs) regulated by 1 mM AMPK, 1 µM XCT 790 (XCT) and AICAR+XCT 790 (N=6). (B) Schematic showing potential ERRα response elements (EREs) in candidate metabolic target genes of AMPK (Cycs, Pdk4, Myoglobin). (C) ERRα ChIP-qPCR showing AICAR promotes enrichment of ERRα to target oxidative metabolism genes (Cycs, Pdk4, Mb) in C2C12 myotubes (N=3). Unpaired Student's t test and one-way ANOVA followed by Tukey's multiple comparison post-hoc test: P>0.05=*, P>0.01=**, and P>0.001 = ***.