



Figure S1. Measuring GSK3 activity in purified GSK3, GSK3-null, and soleus and extensor digitorum longus (EDL) muscle samples. A) Positive linear relationship between increasing amounts of purified GSK3 β and GSK3 activity performed in quadruplicates. B) Representative Western blot images demonstrating successful deletion of GSK3 α and GSK3 β in DLD1 cells. C) GSK3 specific activity of wild type (WT) and gsk3-null DLD1 cells (GSK3 $^{-/-}$) in nmol ATP/min/mg protein. D) Comparison of GSK3 specific activity of soleus and extensor digitorum longus (EDL). (E and F) Representative Western blot images and densitometric analyses of total GSK3 β and serine 9 phosphorylation status in soleus and EDL. For (C), **** significantly different from WT using an independent Student's *t*-test, *p* < 0.0001 (*n* = 4 per group). For (D) and (E), significantly different from soleus using an independent Student's *t*-test, * *p* < 0.05, *** *p* < 0.001, **** *p* < 0.0001 (*n* = 6 per group).