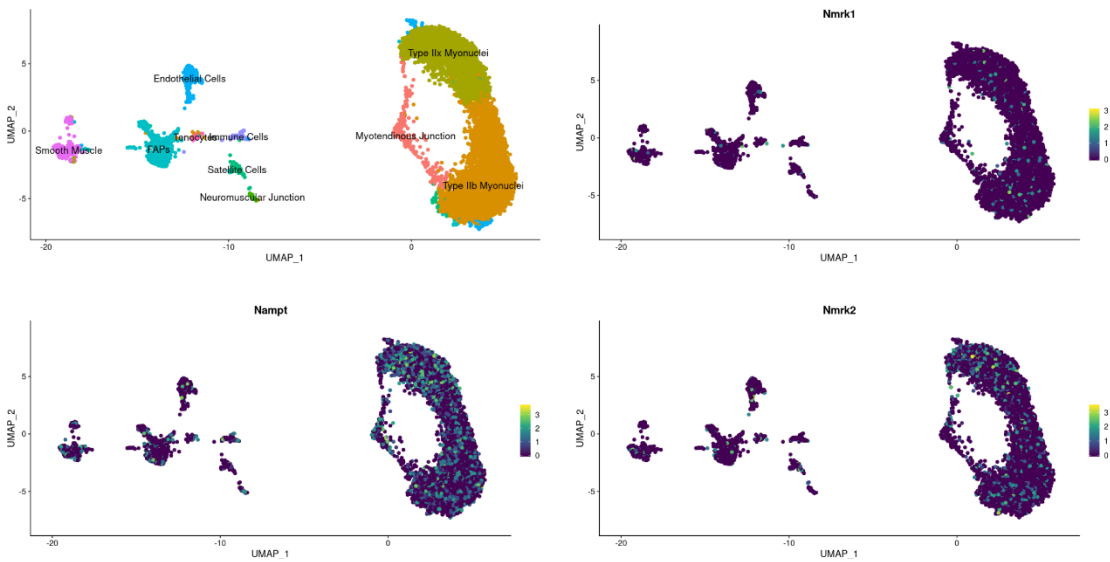


Supplementary Material

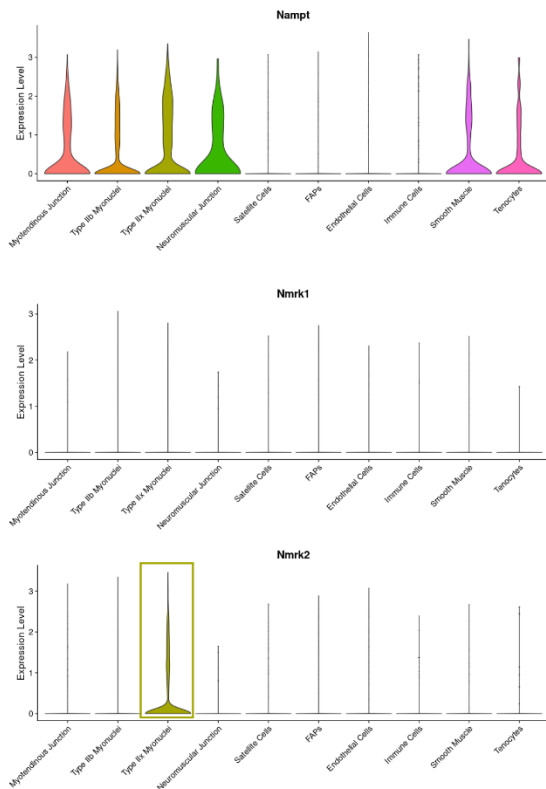
1.1 Supplementary Figures

A



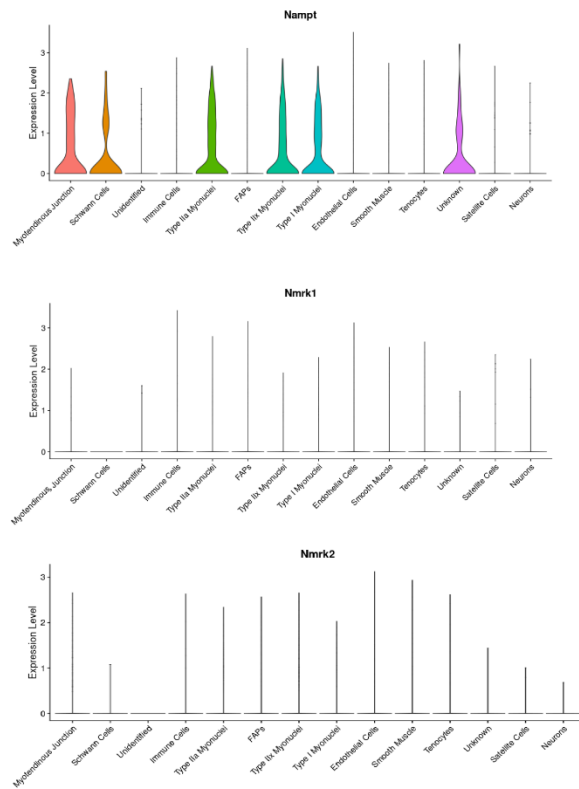
B

Tibialis Anterior (5 m.o.)

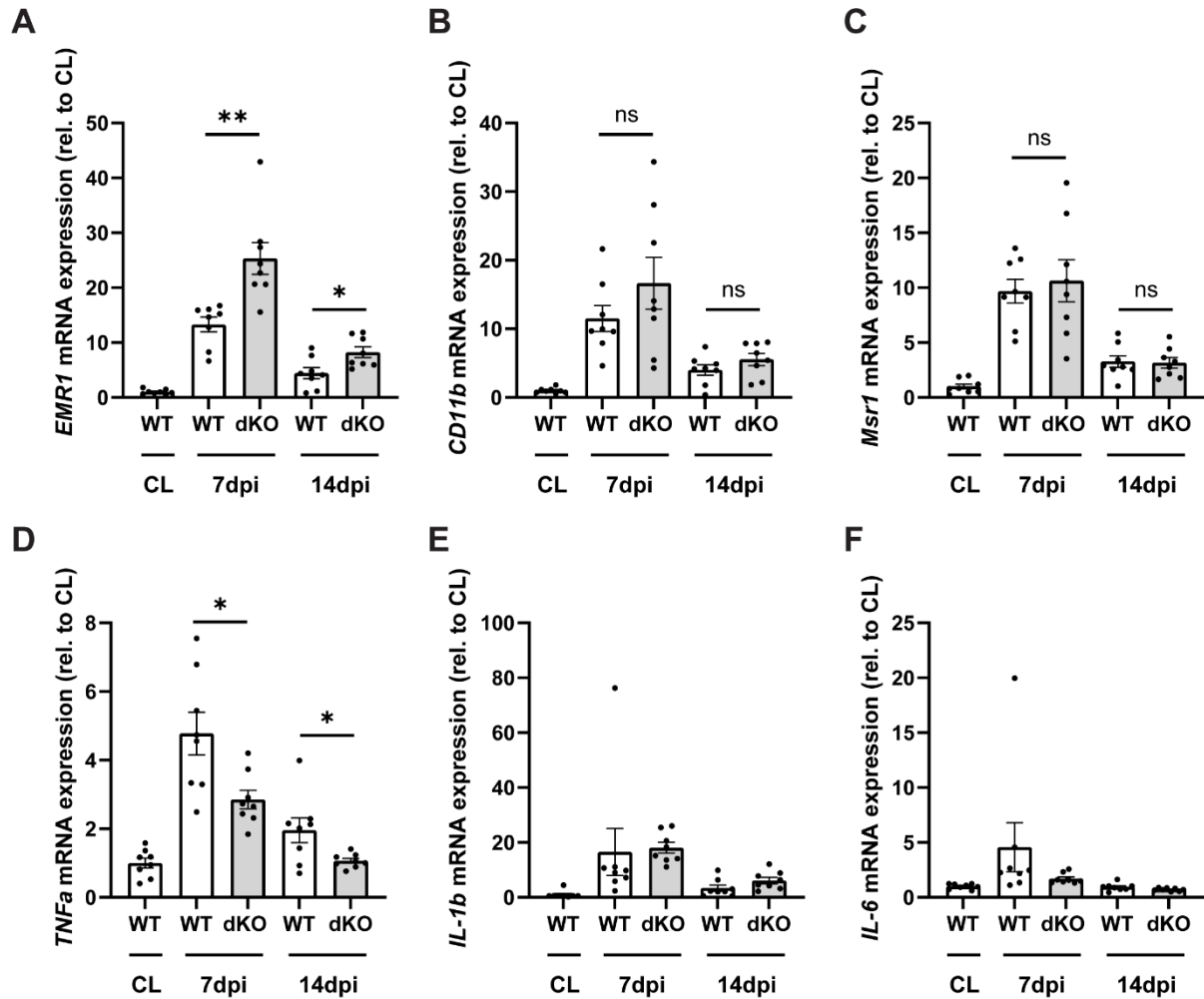


C

Soleus (5 m.o.)



Supplementary Figure 1: Expression of *Nampt*, *Nmrk1*, and *Nmrk2* in single-nuclei RNA-sequencing dataset of 5-month-old (m.o.) WT mice. (A-C) UMAP (A) and violin plots (B,C) of *tibialis anterior* (B) and *soleus* (C) muscles showing gene expression for myonuclear populations of *Nampt*, *Nmrk1*, and *Nmrk2*. The y-axis shows expression level as probability distribution across clusters. TA muscle samples from one mouse and pooled soleus samples from 4 mice were analyzed from Petrany et al. (38).



Supplementary Figure 2: CTX-induced immune response is not altered in NRKdKO muscle.

mRNA expression of cellular surface markers of pro-inflammatory macrophages. (A) *F4/80* and (B) *CD11b*, and anti-inflammatory macrophages (C) *Msr1*. mRNA expression of cytokines (D) *Tnfa*, (E) *IL-1b*, and (F) *IL-6*. Gene expression of mRNA extracted from TA muscle measured by qPCR relative to *Atp5b*, *Eif2a*, and *Psmb4* as housekeeping genes. Results shown are mean \pm s.e.m. with * $p < 0.05$, ** $p < 0.01$ WT, determined by unpaired Student's t-test, $n=6-8$.