Supplementary material

Figure S1. Representative images of DHE fluorescence in FDB muscles.

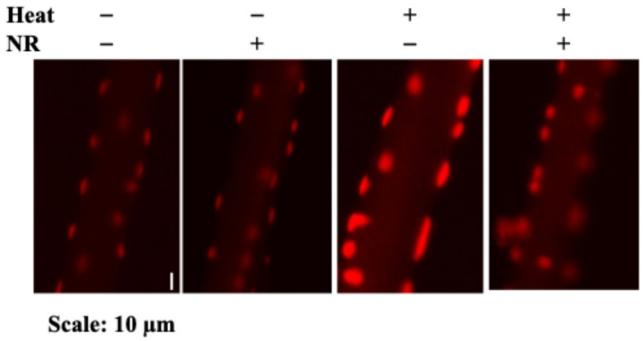


Figure S2. Representative images of MitoTracker-stained mitochondria in FDB muscles.

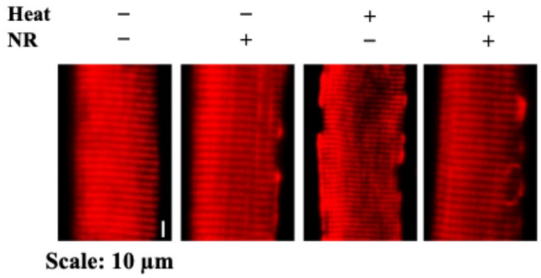


Figure S3. Representative images of TMRM fluorescence in FDB muscles.

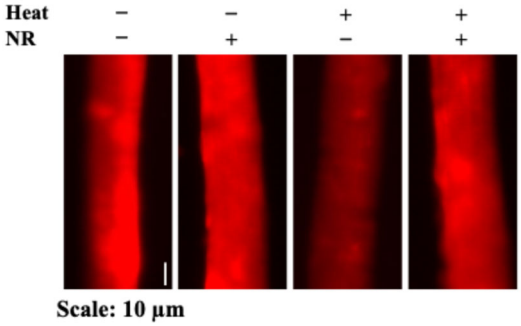


Figure S4. Representative images of caspase-3/7 green fluorescence in FDB muscles.

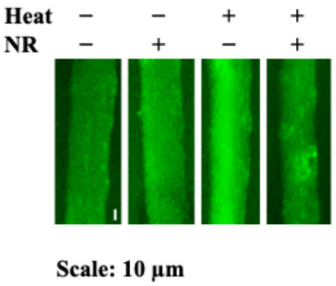
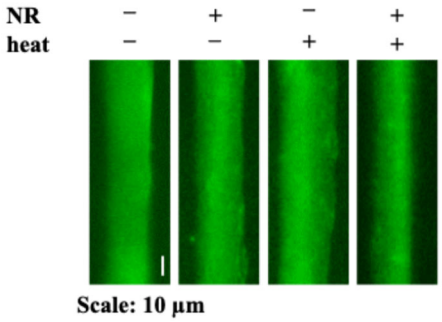


Figure S5. Representative images showing fluorescence detection of Ca^{2+} in FDB muscles. A. Cytosolic Fura-2 ~~fluorecence~~fluorescence. B. Mitochondrial colocalization of Rhod-2 and MitoTracker fluorescence.

(A)



(B)

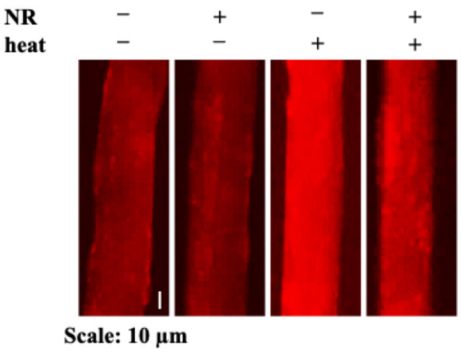
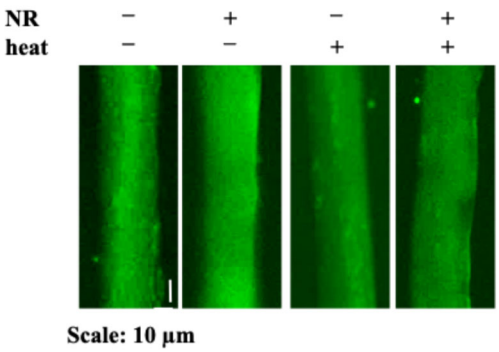


Figure S6. Representative images showing detection of Mg^{2+} in FDB muscles by Mag-Fluo-4 AM staining. A. Cytosolic Mag-Fluo-4 AM fluorescence. B. Mitochondrial colocalization of Mag-Fluo-4 AM and MitoTracker fluorescence.

(A)



(B)

