



Figure S1. MuSCs displayed the similar properties in uninjured muscles from *Rag1*^{-/-} and wild type mice, Related to Figure 1

(A) Statistical analysis of myofiber size of TA muscles from *Rag1*^{-/-} and wild type mice. Error bars were based on 3 independent experiments. NS indicated statistically insignificant.

(B) Representative FACS analysis of MuSCs from mono-nucleus cells isolated from TA muscles in uninjured *Rag1*^{-/-} and wild type mice, respectively. CD34⁺intergrin $\alpha 7$ ⁺ population represents MuSCs.

(C) Statistical analysis of the percentage of MuSCs in the total number of cells from one TA muscle. Error bars were calculated based on 4 independent experiments.

(D) Pax7 staining of TA muscle sections from uninjured *Rag1*^{-/-} and WT mice. Arrows indicated Pax7(red) positive MuSCs located underneath laminin (green). Scale bars, 20 μm .

(E) FACS analysis of CD11b⁺ F4/80⁺ macrophage profile in TA muscles 3 days post muscle injury induced by CTX injection in *Rag1*^{-/-} and wild type mice. There was no significant changes on the percentage of macrophages in the above two strains.