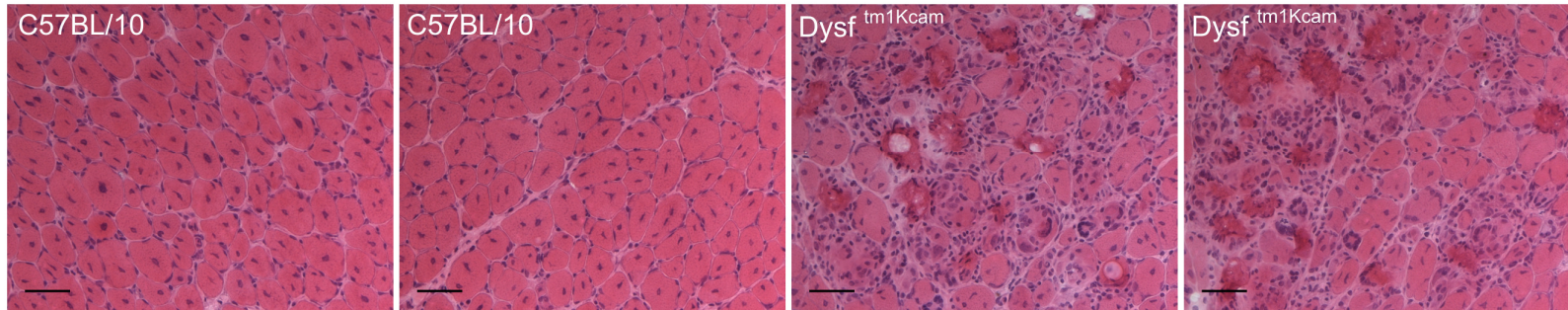


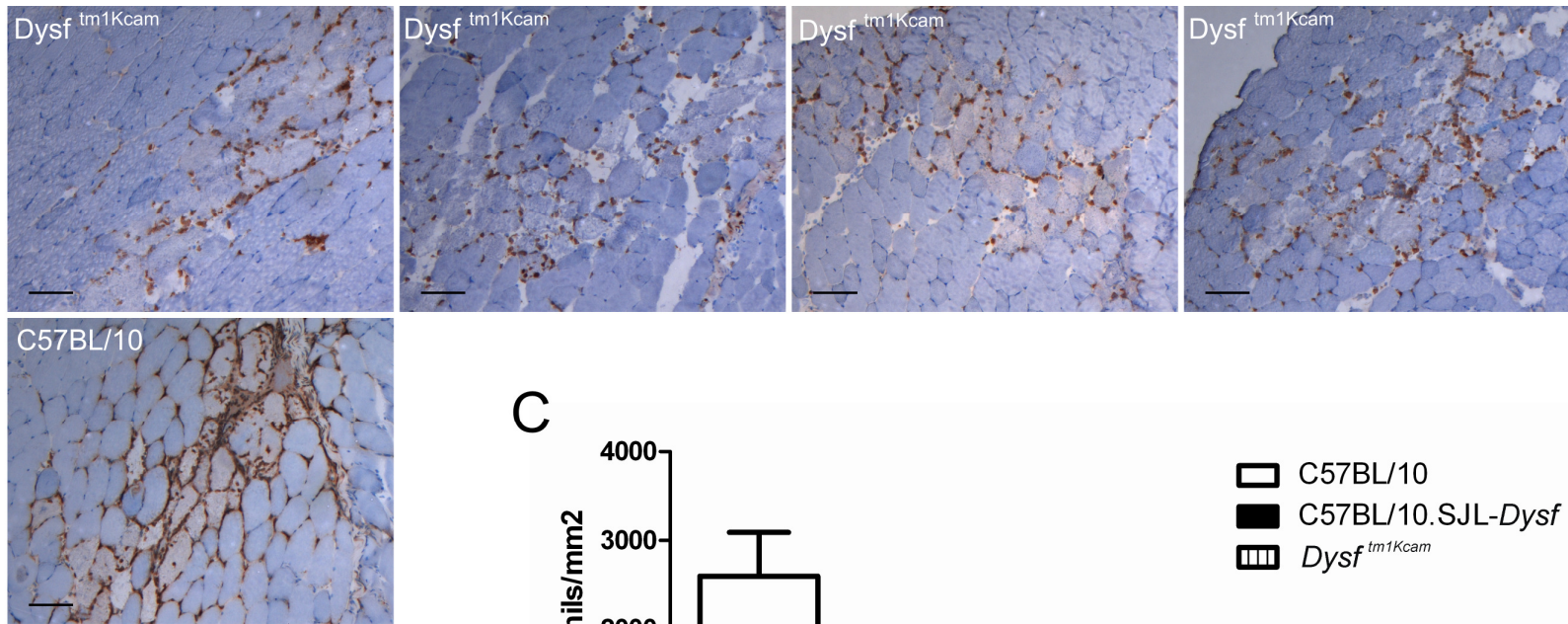
Supplemental Figure 1: Confirmation of defective neutrophil recruitment and muscle regeneration in the $Dysf^{tm1-Kcam}$ mouse strain

A) C57BL/10 and $Dysf^{tm1-Kcam}$ mice were injected with notexin and muscle harvested after seven days of regeneration, sectioned and stained with haematoxylin and eosin. The $Dysf^{tm1-Kcam}$ muscle showed delayed and attenuated muscle regeneration with poor clearance of necrotic fibres. Scale bar 50 μ m. B) Muscle was harvested six hours post needle wounding, sectioned and stained for Ly6G to detect neutrophils. Needle wounding of $Dysf^{tm1-Kcam}$ muscle (n=4) showed fewer neutrophils recruited to the site of injury six hours after wounding. Scale bar 100 μ m. C) Neutrophil counts normalised by wound area for the C57BL/10, C57BL/10.SJL-*Dysf* and $Dysf^{tm1-Kcam}$ strains after needle wounding as above shows a significant ($p < 0.02$) reduction in the neutrophil count in both C57BL/10.SJL-*Dysf* and $Dysf^{tm1-Kcam}$.

A



B



C

