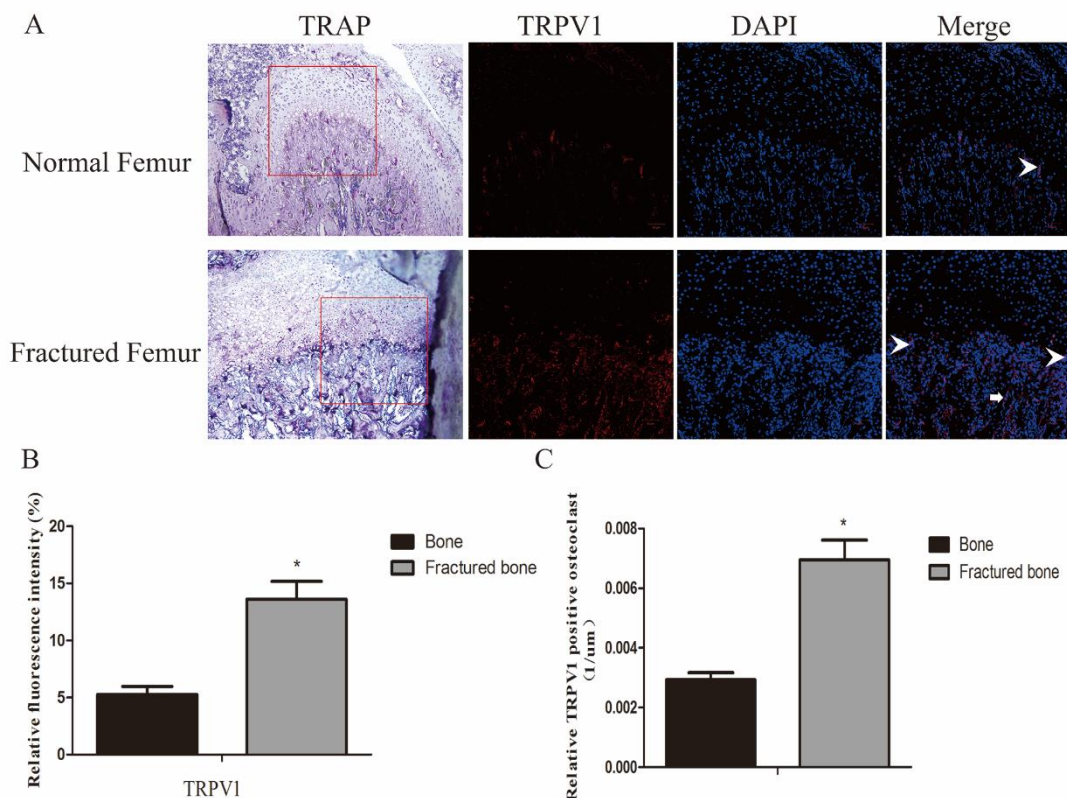


1 **TRPV1 deletion impaired fracture healing and inhibited osteoclast**
2 **and osteoblast differentiation**

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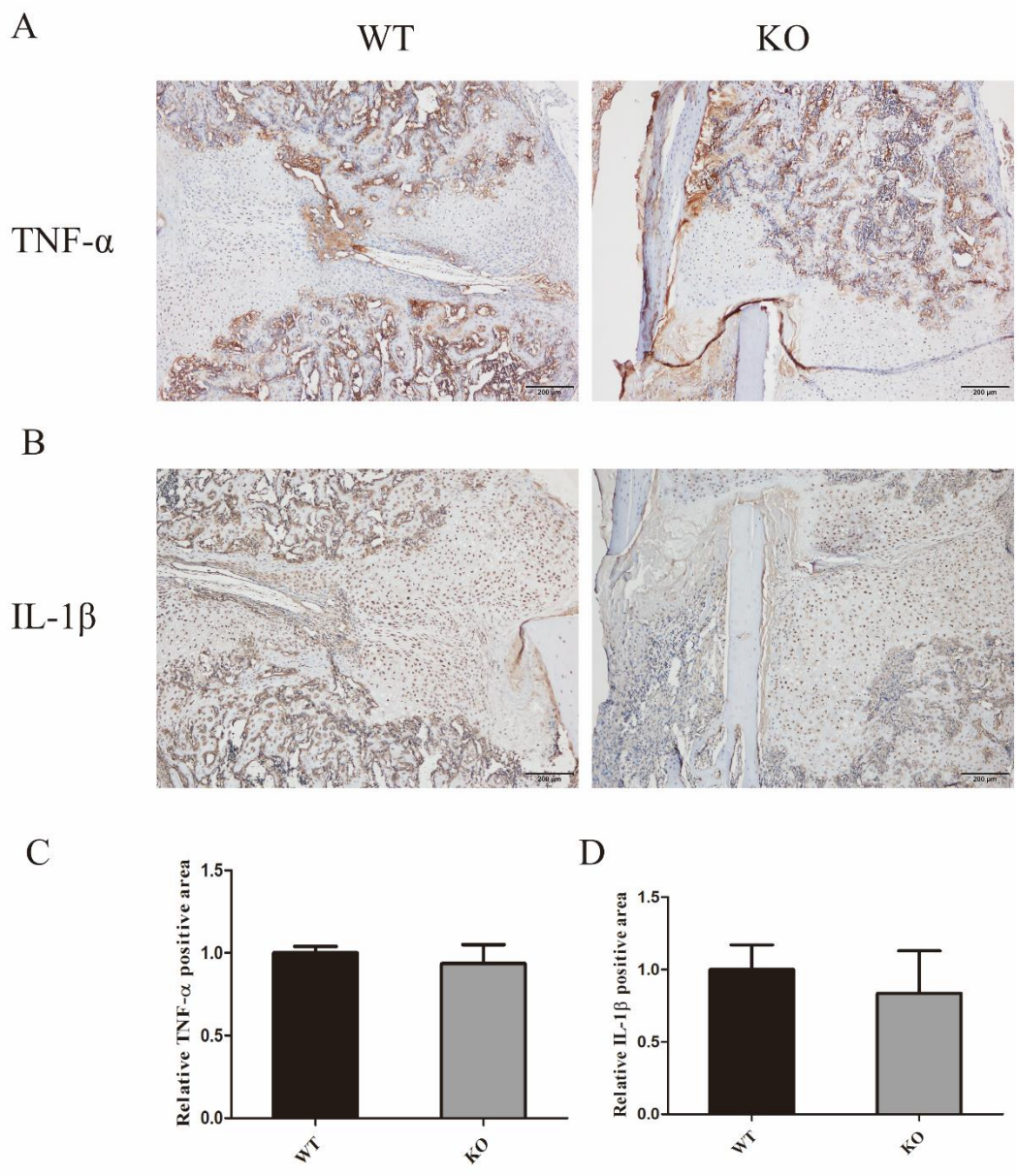
7 Supplemental figure 1 legend

8 TRPV1 expressions in bone and fracture healing. A: Left panel showed
9 the TRAP staining. The rose color cells were TRAP-positive osteoclast.

10 The right panel showed the TRPV1 expression in bone and fractured
11 bone by immunofluorescence. The white arrow heads shows the TRPV1
12 positive osteoclast. The white arrow shows the bone lining cells. B: the

13 quantification results of TRPV1 immunofluorescence intensity analyzed

14 by Image J software. C: the quantification results of TRPV1 positive
15 osteoclasts analyzed by BIOQUANT OSTEO Bone Biology Research
16 System.
17



18
19 Supplemental figure 2 legend
20 Inflammation factors expression during fracture healing in WT and KO
21 group. A: TNF- α expression in fracture callus detected by

22 immunohistochemistry staining. B: IL-1 β expression in fracture callus
23 detected by immunohistochemistry staining. C and D: quantification
24 results of relative TNF- α and IL-1 β positive area. No statistical differences
25 of TNF- α and IL-1 β expression between WT and KO group. *= p <0.05