

**Interleukin-33 promotes inflammation-induced lymphangiogenesis via**

**ST2/TRAF6-mediated Akt/eNOS/NO signalling pathway**

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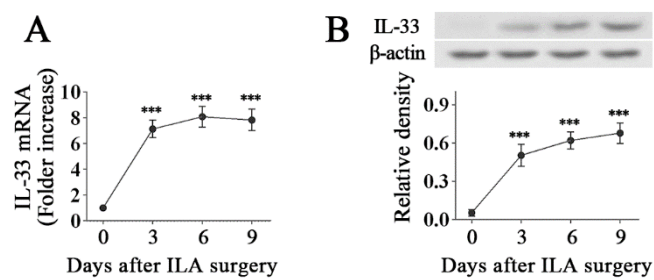
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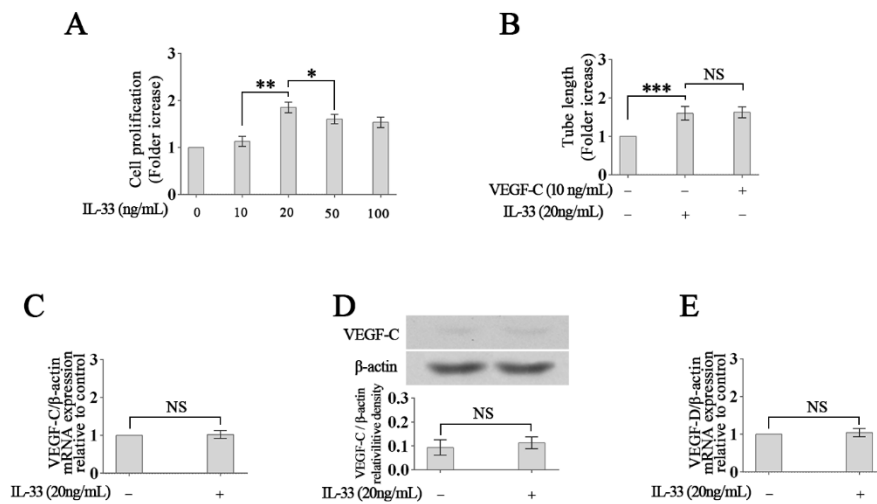
**SUPPLEMENTARY INFORMATION includes:**

Figure S1, Figure S2 and full-length blots (Figure S3 and S4).



**Figure S1. IL-33 is involved in ILA**

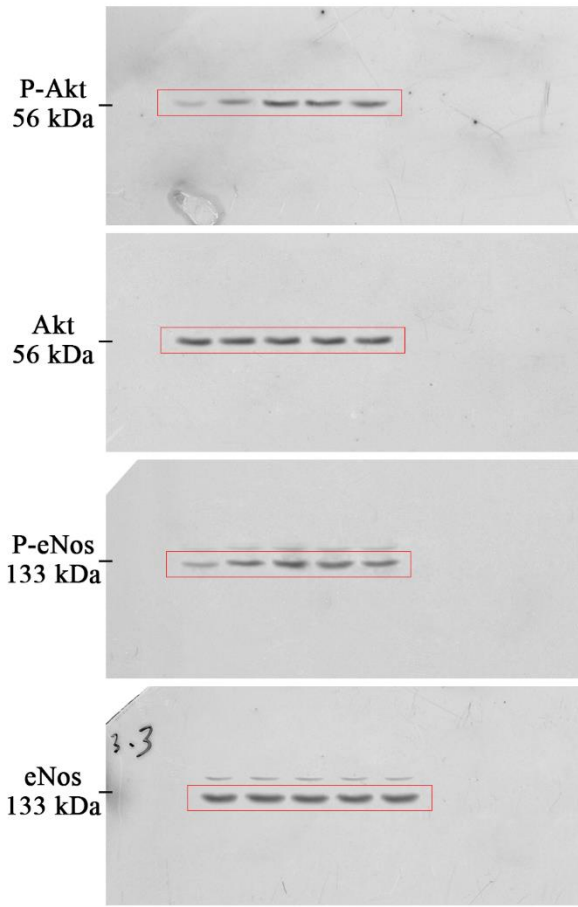
(A): Real-time PCR shows the increased expression of IL-33 mRNA in the inflamed corneas after the ILA surgery. (B): Western blot shows the increased expression of IL-33 protein in the inflamed corneas after the ILA surgery. \*\*\* $p < 0.001$ .



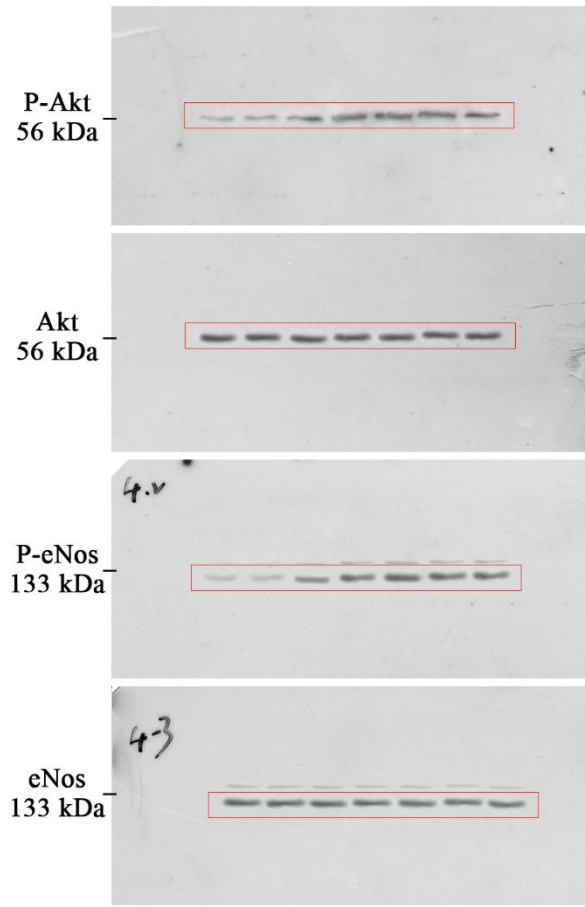
**Figure S2. IL-33 increases the LECs proliferation and tube formation in a VEGF-C/D independent way**

(A and B): IL-33 itself (without additional VEGF-C stimulation) also induces LECs proliferation and tube formation. (C-E): Real-time PCR and Western blot shows that IL-33 doesn't up-regulate the expression of pro-lymphangiogenic factors (VEGF-C/D) by LECs. \* $p < 0.05$ , \*\* $p < 0.01$ , \*\*\* $p < 0.001$ .

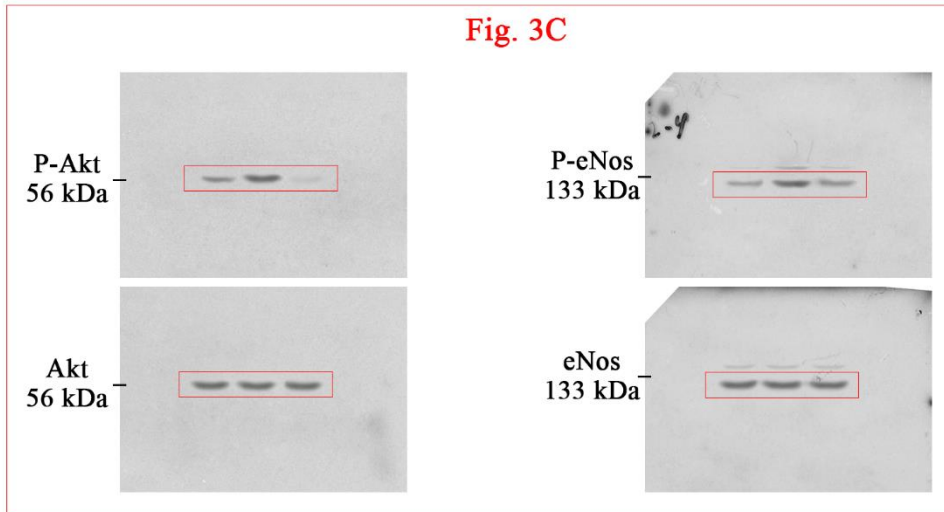
**Fig. 3A**



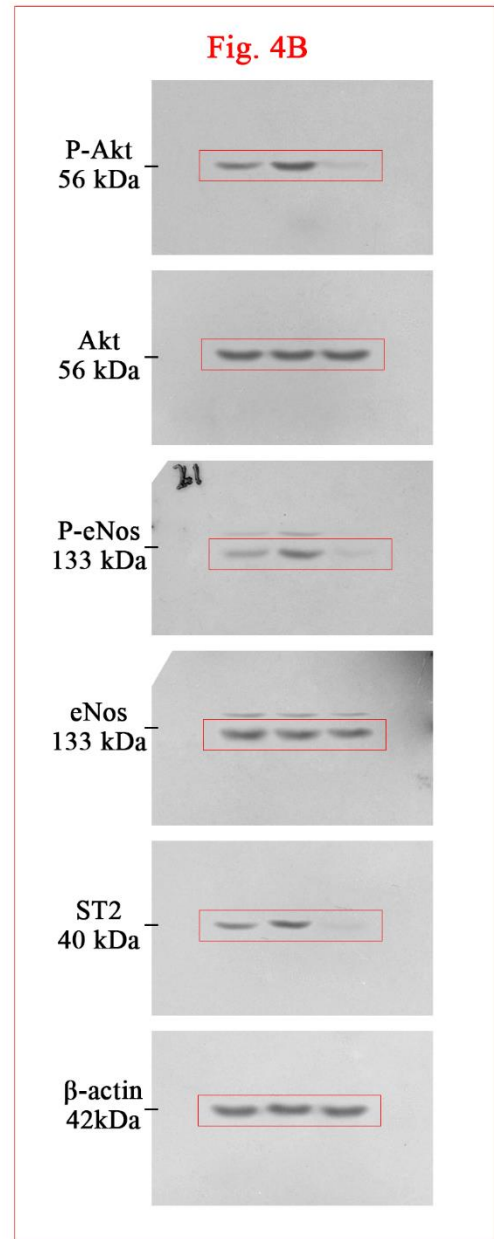
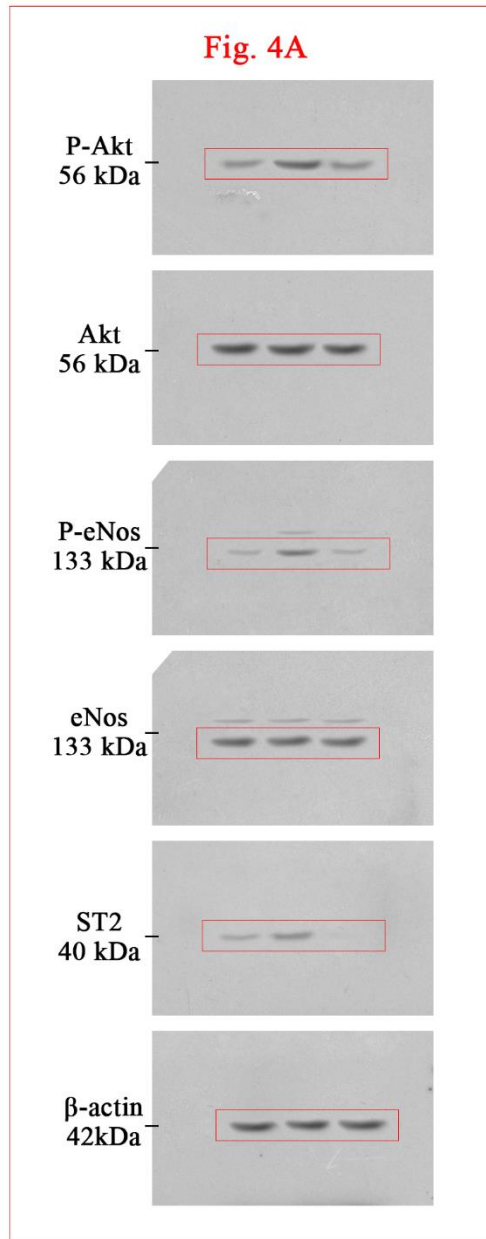
**Fig. 3B**



**Fig. 3C**



**Figure S3** Full-length blots for fig. 3



**Figure S4** Full-length blots for fig. 4