

Supplementary Data

Mechanistic insight into the norepinephrine-induced fibrosis in systemic sclerosis

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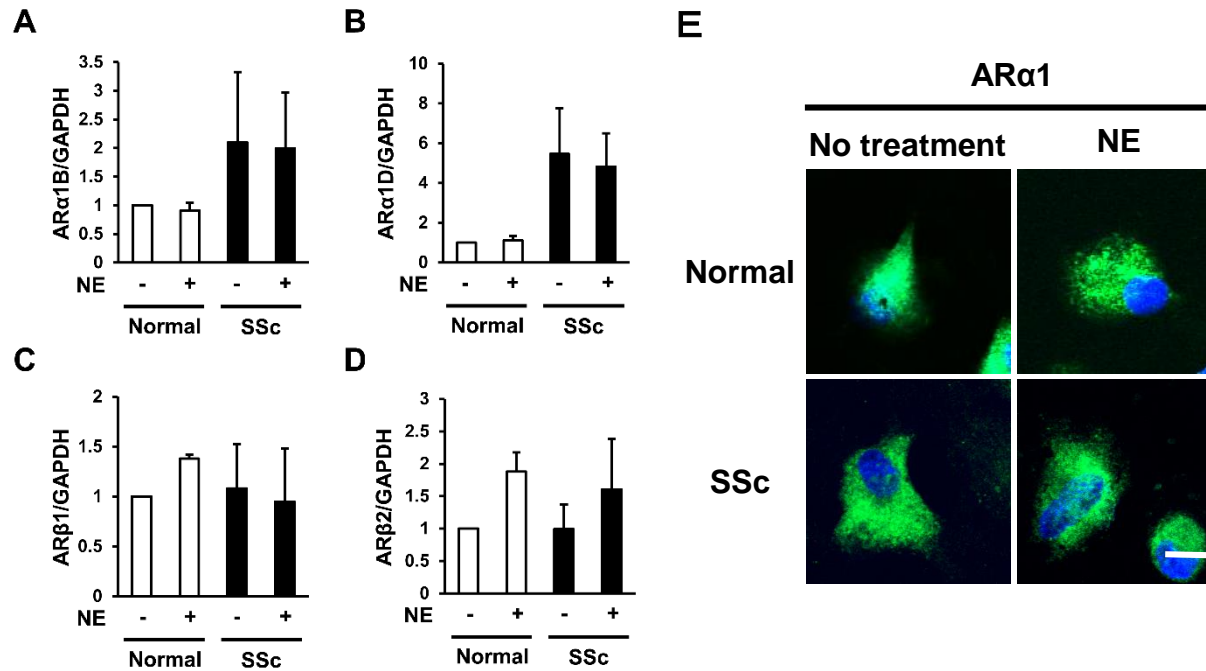


Figure S1. Expression of AR α and AR β in normal and SSc fibroblasts. (A) Effects of NE on AR α 1B mRNA in normal and SSc fibroblasts. (B) Effects of NE on AR α 1D mRNA in normal and SSc fibroblasts. (C) Effects of NE on AR β 1 mRNA in normal and SSc fibroblasts. (D) Effects of NE on AR β 2 mRNA in normal and SSc fibroblasts. Normal and SSc fibroblasts were incubated for 1 hour with or without 10 μ M NE. mRNA was measured using quantitative RT-PCR (n=3 samples). mRNA level in normal fibroblasts without NE was assigned a value of 1. All values represent mean \pm SEM. (E) Effects of NE on the expression of AR α 1 in normal and SSc fibroblasts by immunofluorescence staining. Scale bar = 20 μ m.

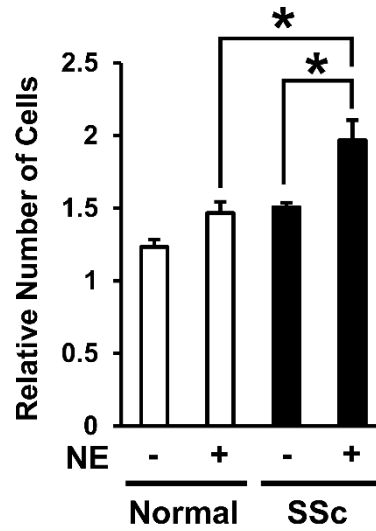


Figure S2. Proliferation of normal and SSc fibroblasts treated with or without NE.

Cell number of normal and SSc fibroblasts at the time when assay was started (5×10^5 cells) was assigned a value of 1. n=3 samples. All values represent mean \pm SEM.

* $P < 0.05$.

Fig. 2

A

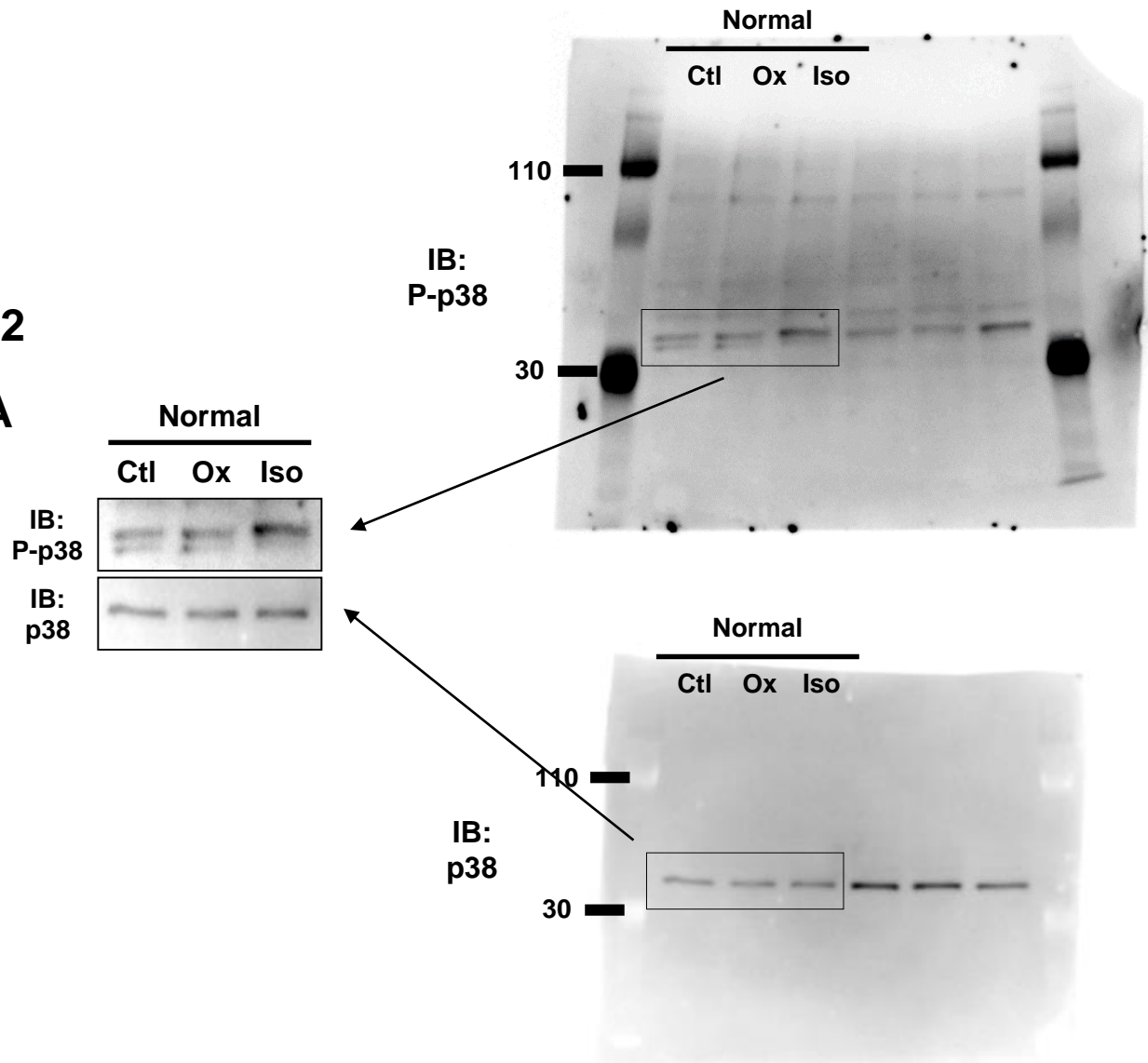


Figure S3. Full-length images of the immunoblots in Figure 2A. Black line boxes indicate the cropped images used in Figure 2A.

Fig. 2

B

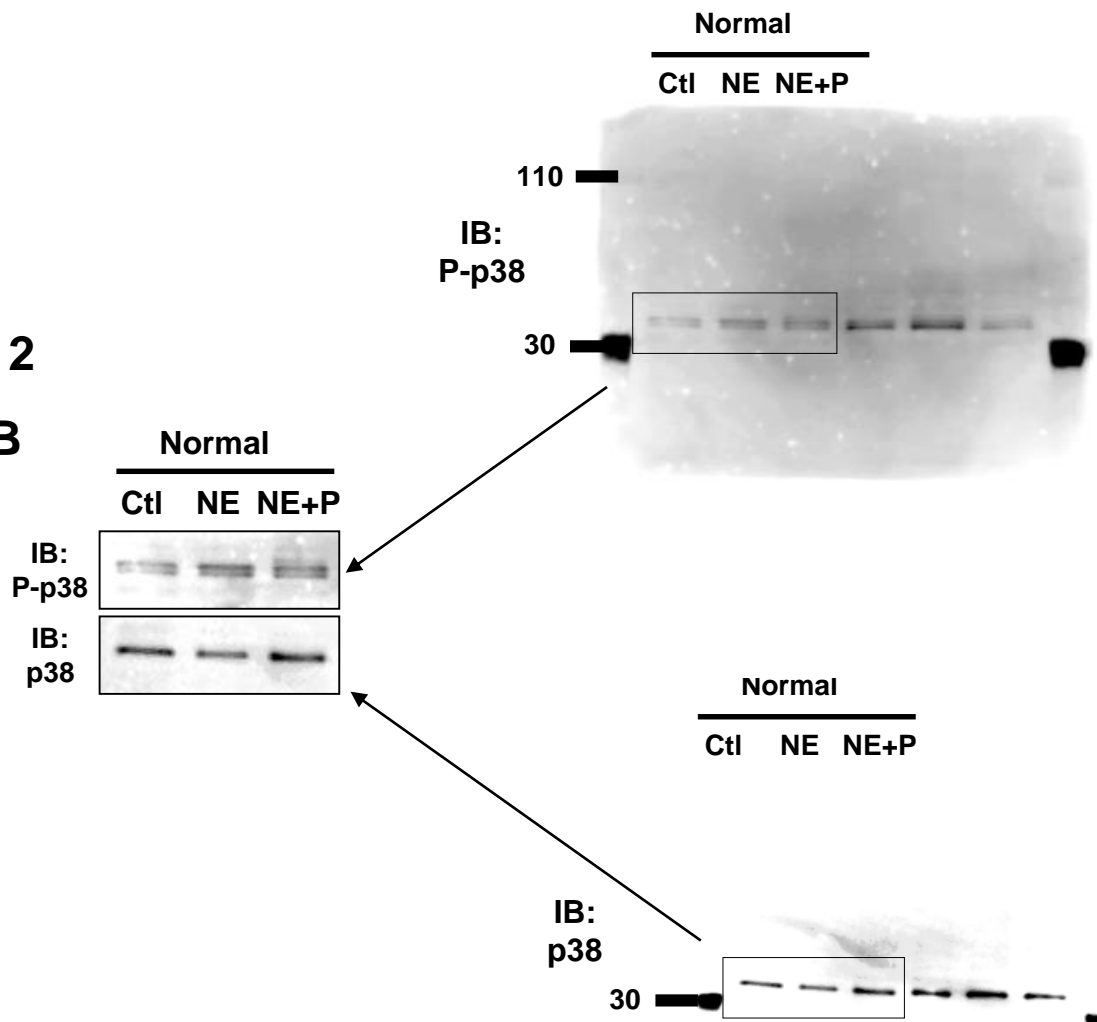


Figure S3. Full-length images of the immunoblots in Figure 2B. Black line boxes indicate the cropped images used in Figure 2B.

Fig. 2

C

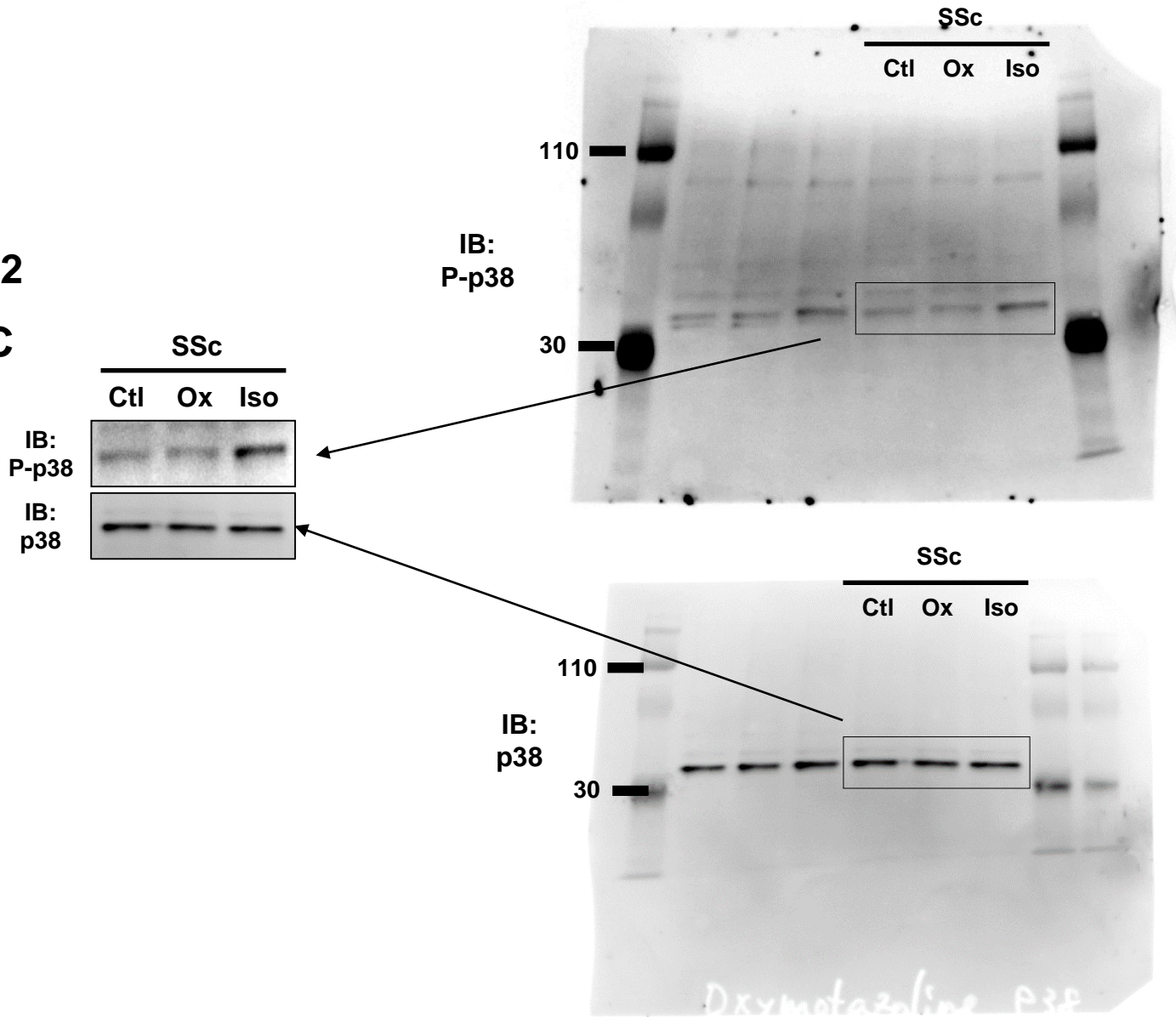


Figure S3. Full-length images of the immunoblots in Figure 2C. Black line boxes indicate the cropped images used in Figure 2C.

Fig. 2

D

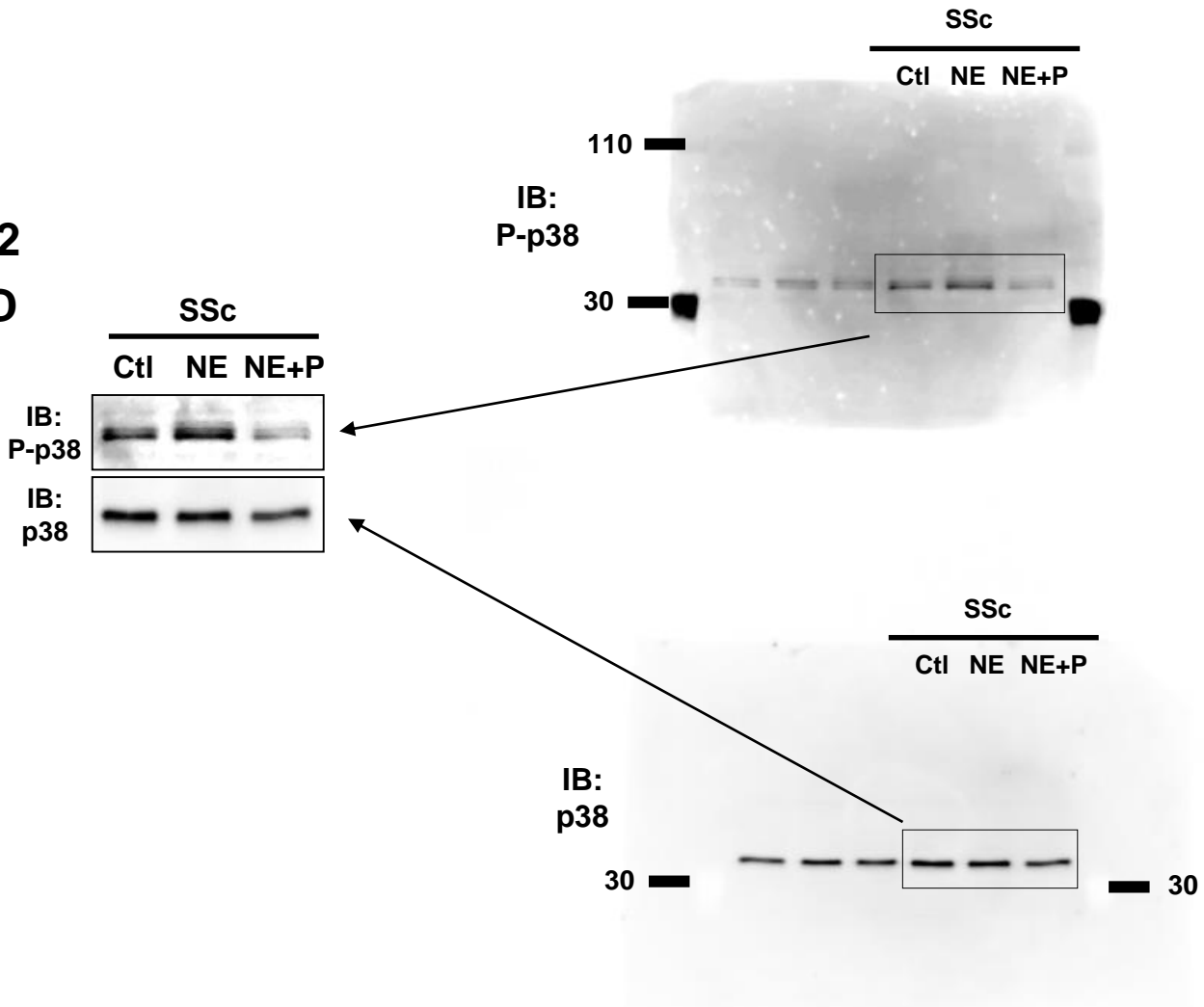


Figure S3. Full-length images of the immunoblots in Figure 2D. Black line boxes indicate the cropped images used in Figure 2D.

Fig. 3

A

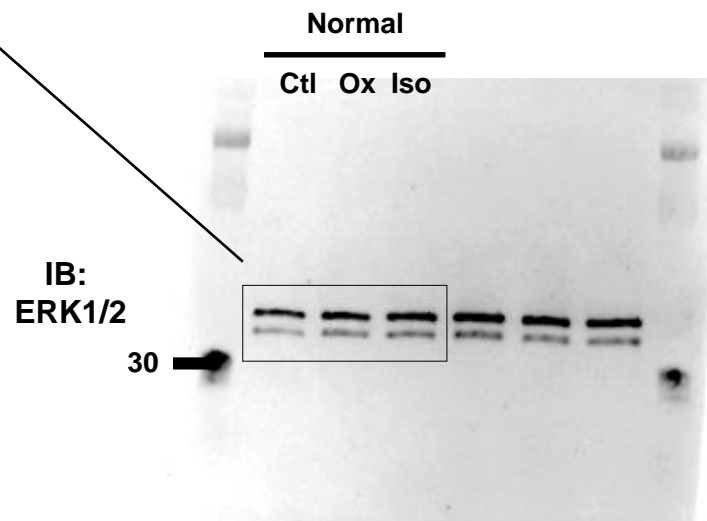
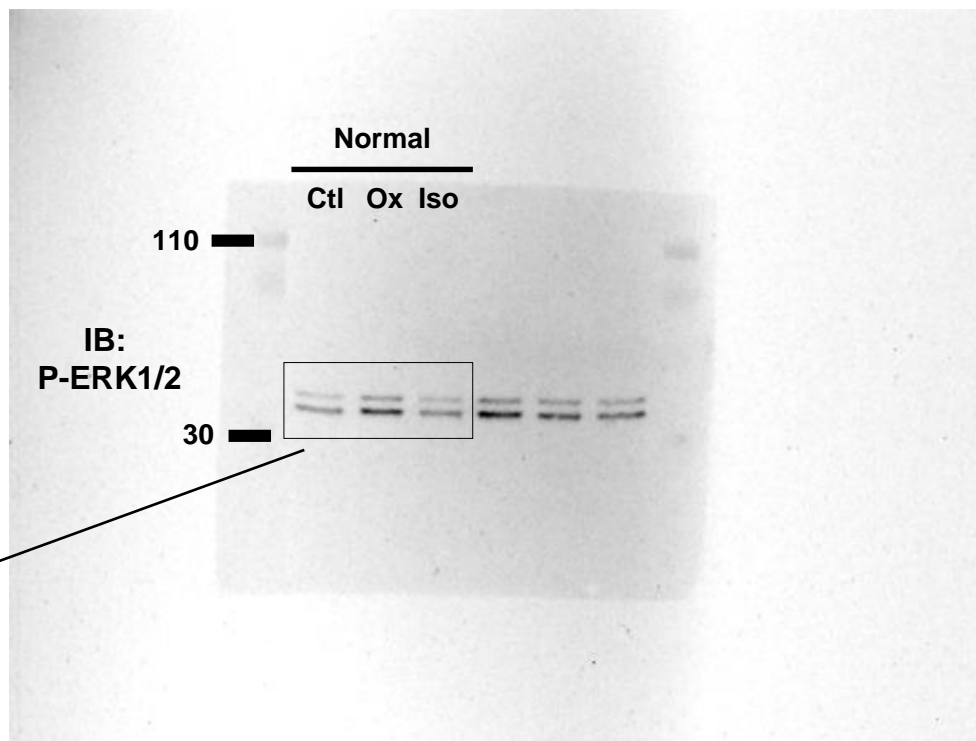
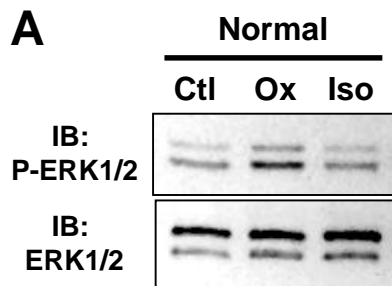


Figure S4. Full-length images of the immunoblots in Figure 3A. Black line boxes indicate the cropped images used in Figure 3A.

Fig. 3

B

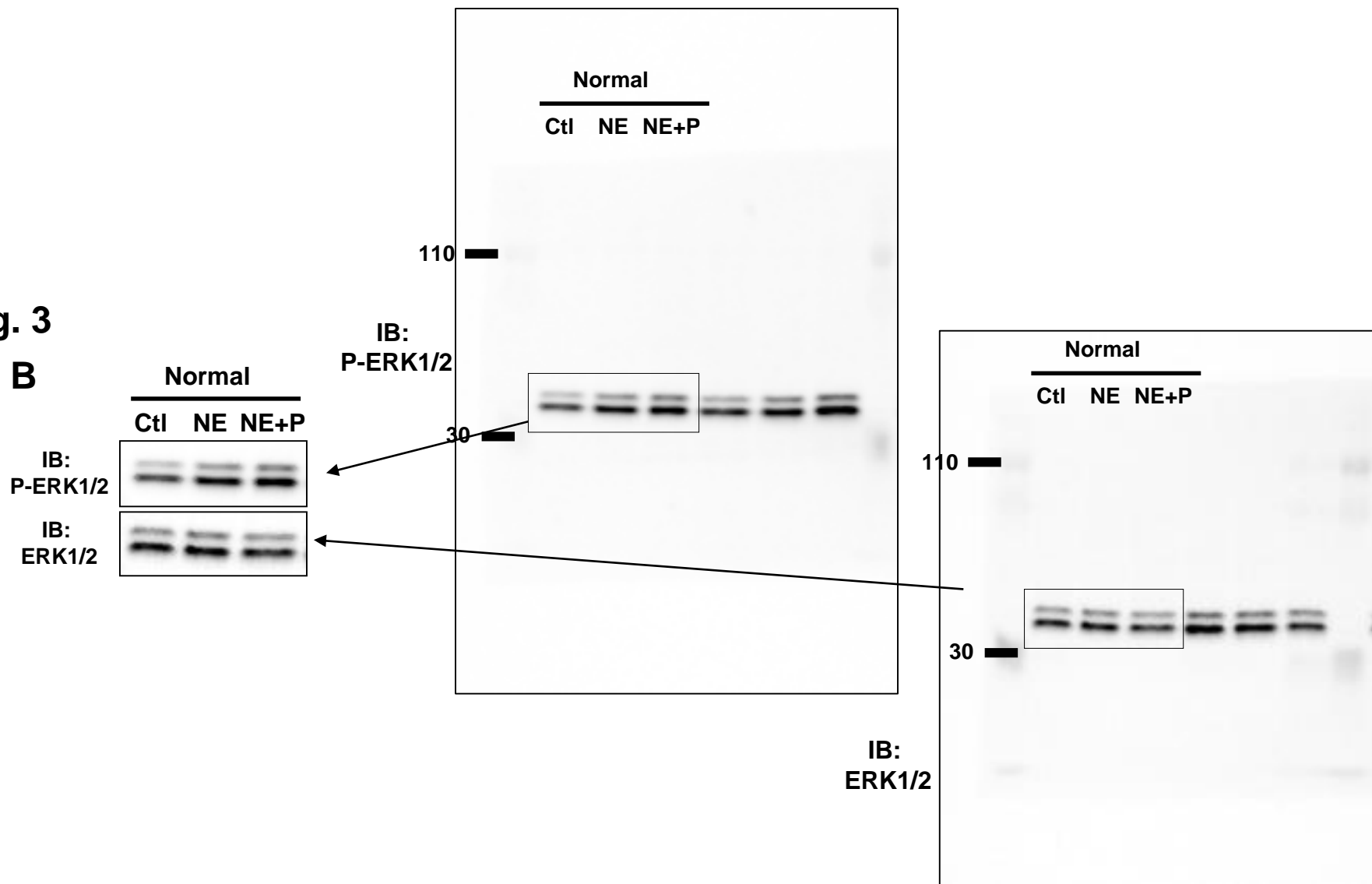


Figure S4. Full-length images of the immunoblots in Figure 3B. Black line boxes indicate the cropped images used in Figure 3B.

Fig. 3
C

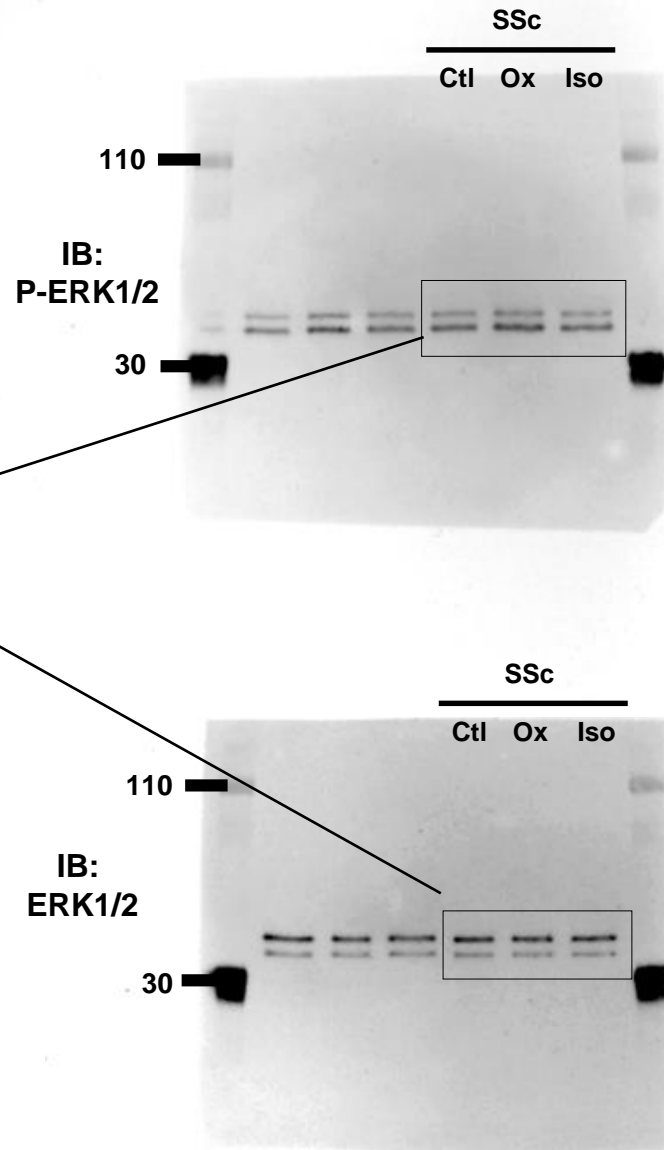
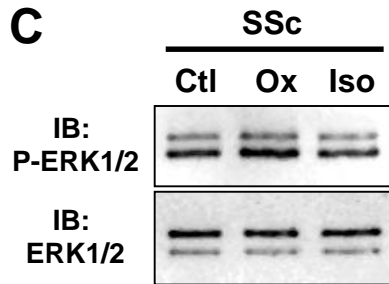


Figure S4. Full-length images of the immunoblots in Figure 3C. Black line boxes indicate the cropped images used in Figure 3C.

Fig. 3

D

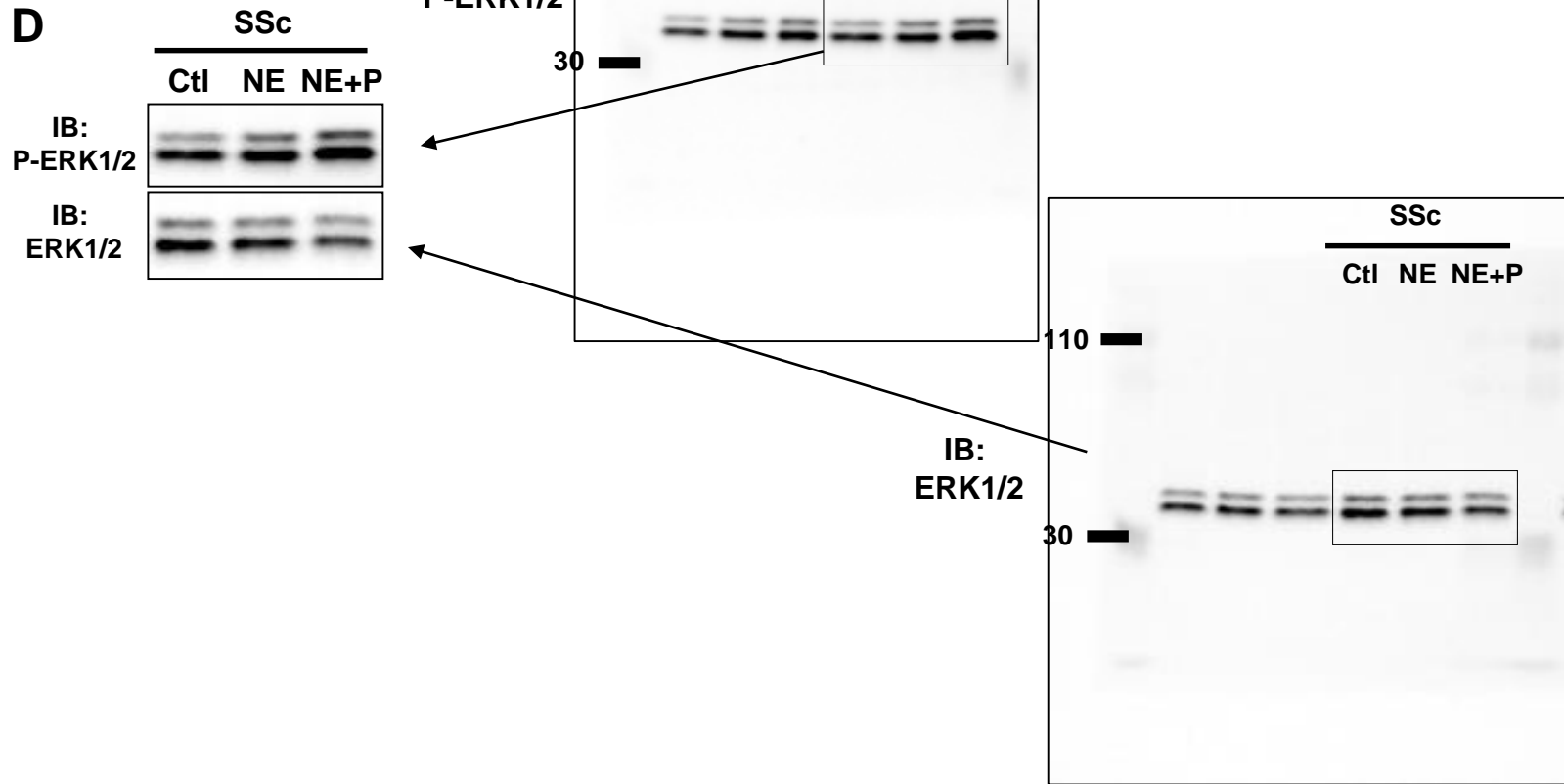
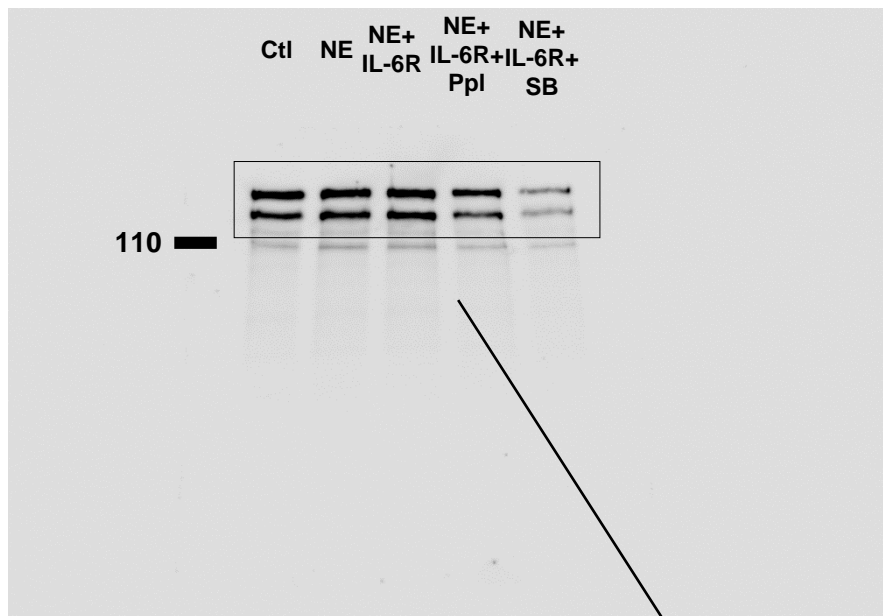


Figure S4. Full-length images of the immunoblots in Figure 3D. Black line boxes indicate the cropped images used in Figure 3D.

IB: Collagen I



Ctl NE NE+ NE+ NE+
IL-6R IL-6R+ IL-6R+ IL-6R+
Ppl Ppl SB

IB: GAPDH

30

Fig. 5B

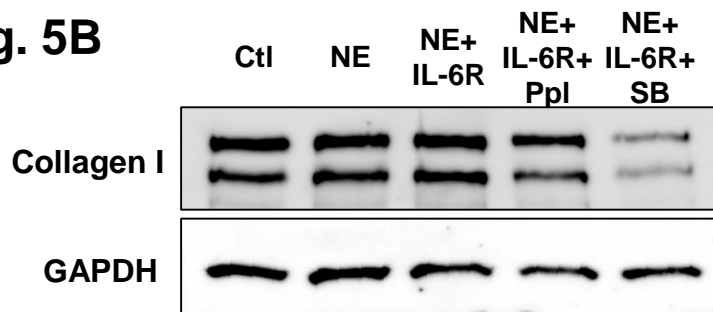


Figure S5. Full-length images of the immunoblots in Figure 5B. Black line boxes indicate the cropped images used in Figure 5B.

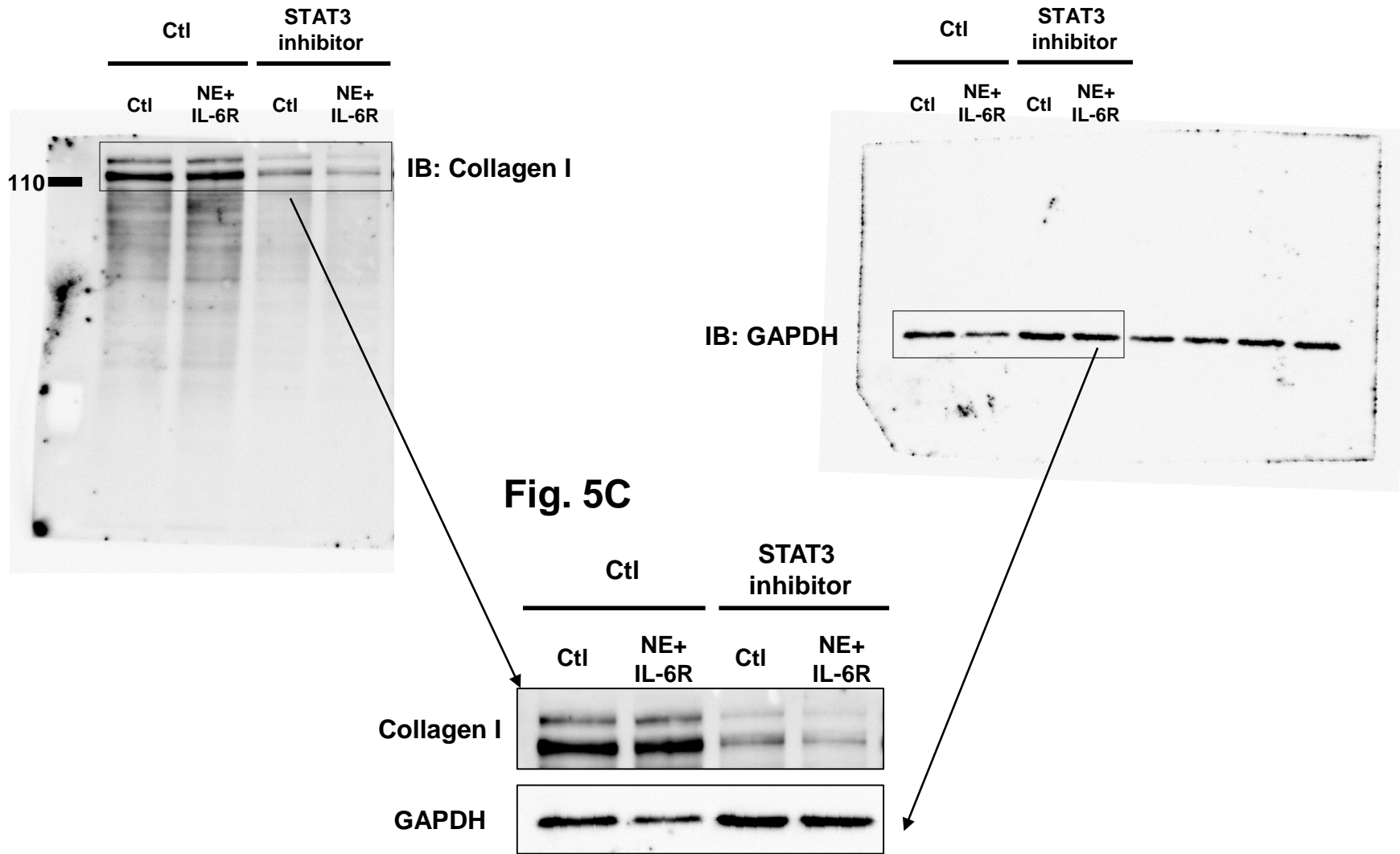


Figure S5. Full-length images of the immunoblots in Figure 5C. Black line boxes indicate the cropped images used in Figure 5C.