**Supplementary Figure 1**.

Relative fluorescence unit (RFU) of images captured for Figure 7C using ImageJ. Image J (version 1.53e, NIH, USA) was used to measure the total area of each image with detected types I and II collagen fluorescence and to count the total number of nucleated cells indicated by 4',6-Diamidine-2'-phenylindole (DAPI) staining. The ratio of these values for each image was computed and plotted as shown for comparison between groups.

