

Statistical Analysis of Data in Figures 1-6

Figure 1

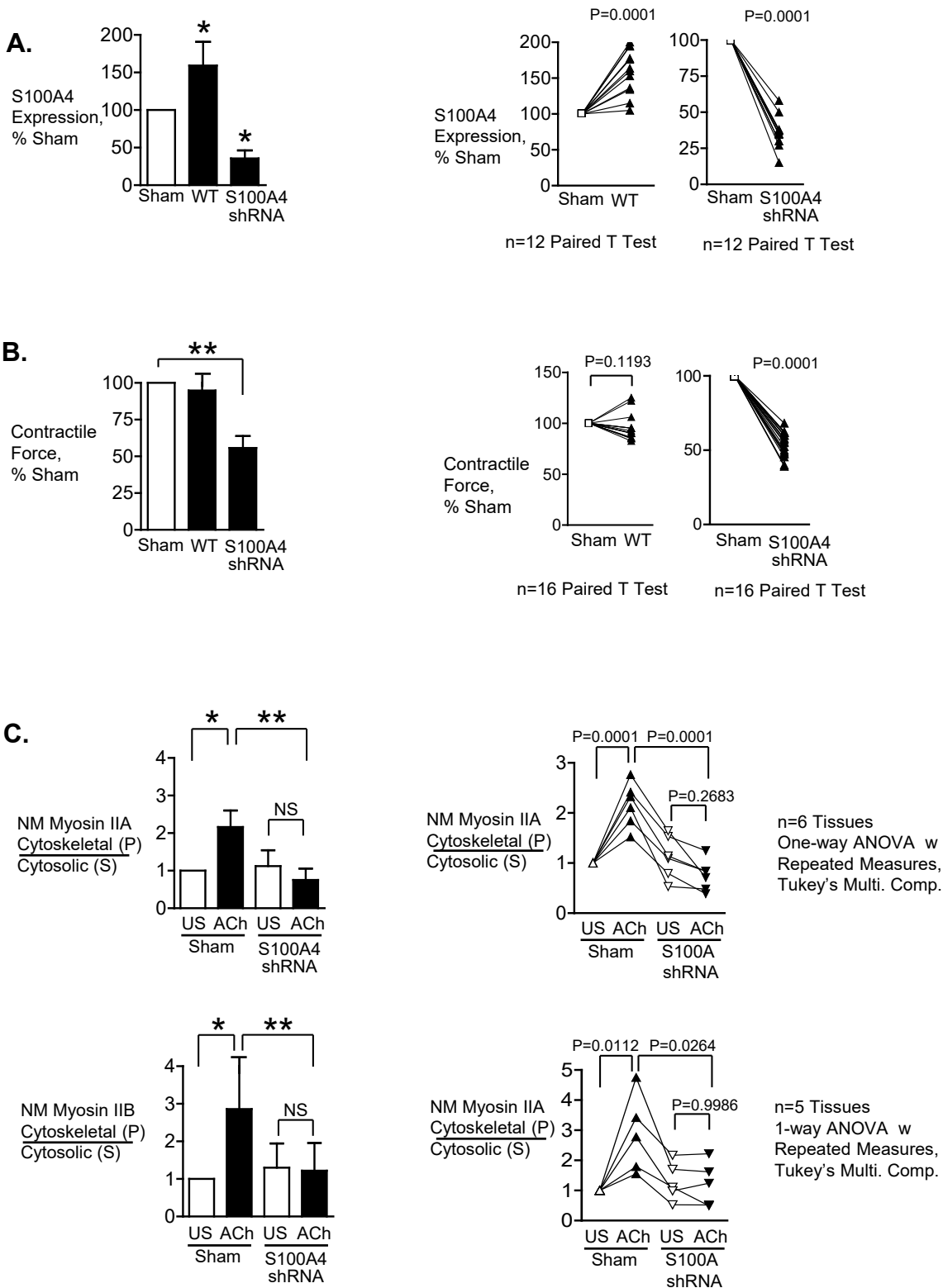
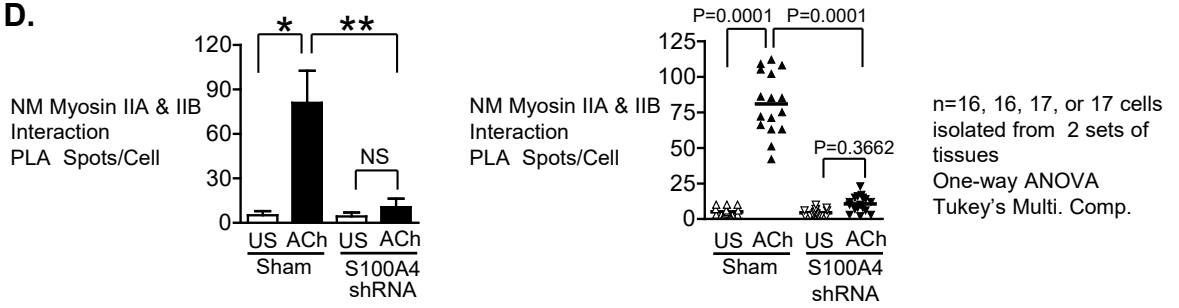


Figure 1

D.



E.

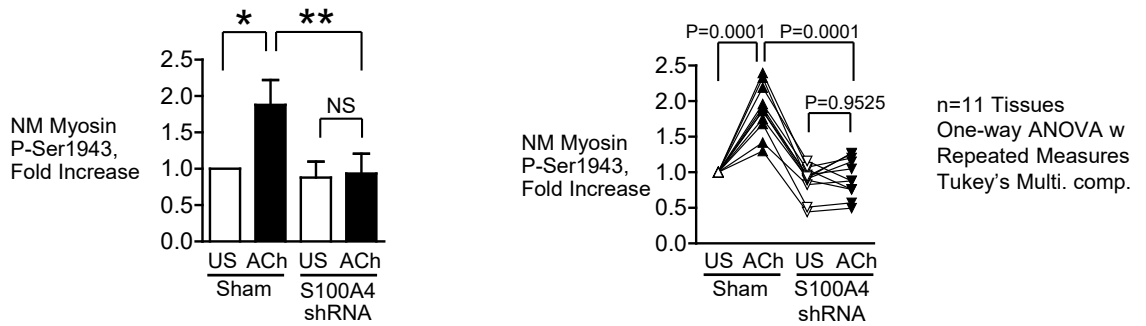
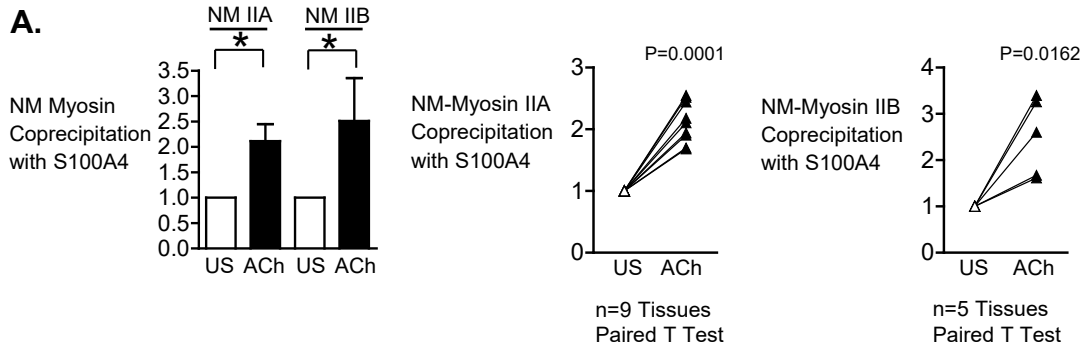
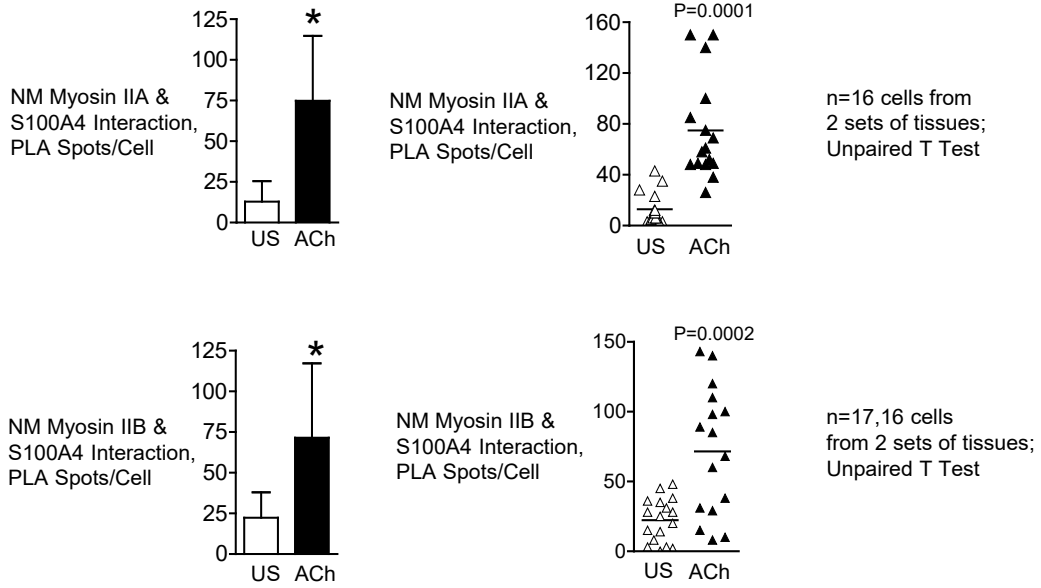


Figure 2

A.



B.



C.

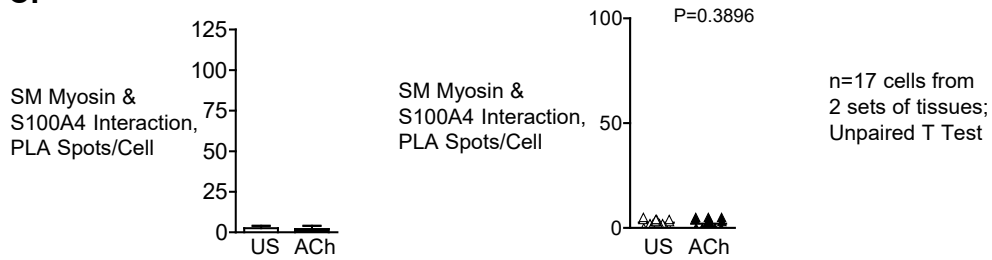
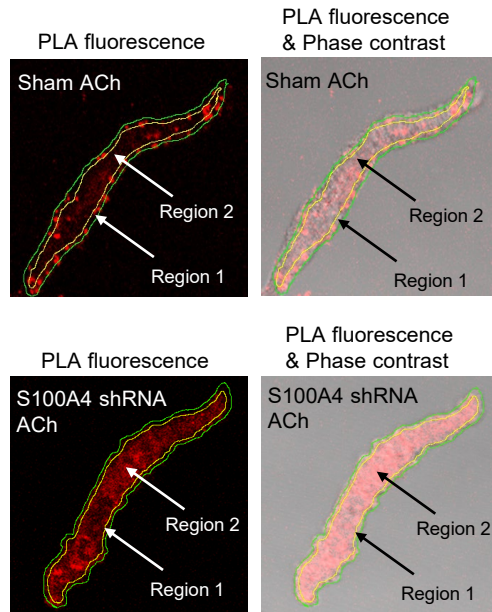


Figure 3.



Method for quantitation of paxillin-vinculin interactions detected by Duolink PLA in freshly dissociated smooth muscle cells (Fig. 3A).

Fluorescent and phase contrast images are shown for a single ACh stimulated cell. Localization of vinculin-paxillin interaction was analyzed by the ratio of pixel intensity between the cell periphery and the cell interior. A region containing the membrane compartment (region 1) was separated from the cell cytoplasmic compartment (region 2) by a line about 1 μm inside the cell membrane. The ratio of fluorescence intensity between the membrane compartment and the cytoplasmic compartment was calculated.

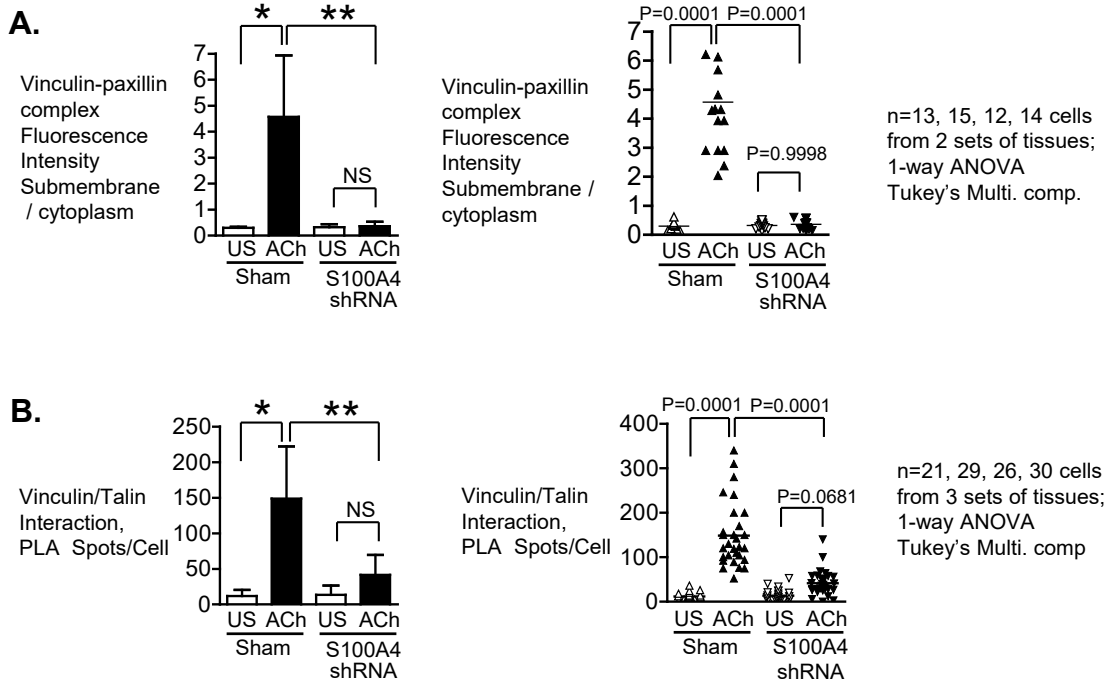
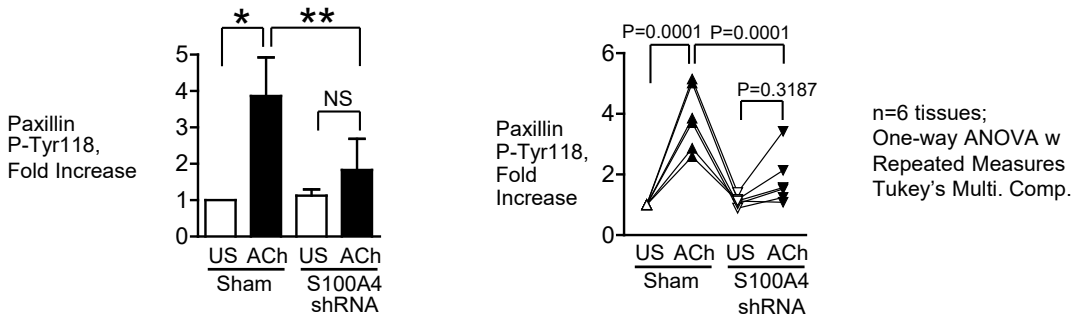
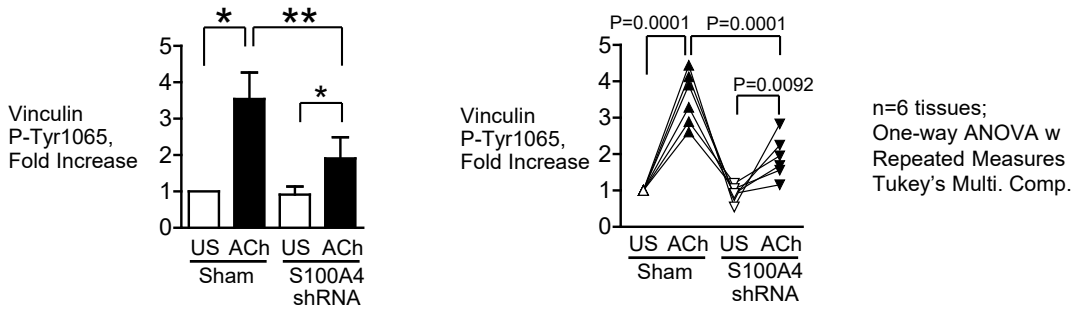
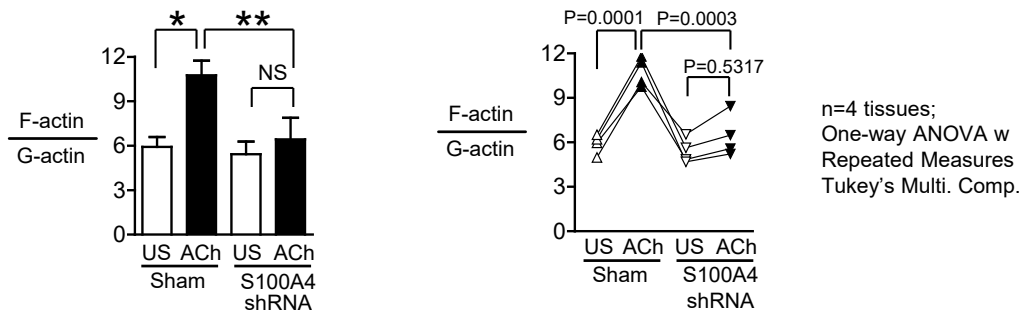


Figure 3

C.



D.



E.

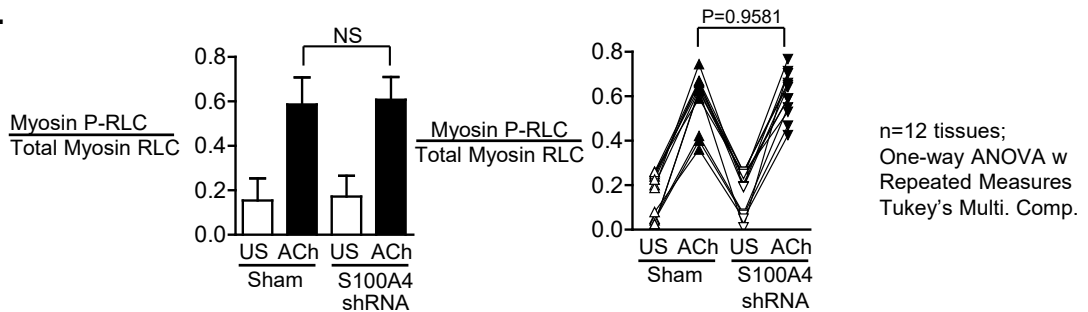
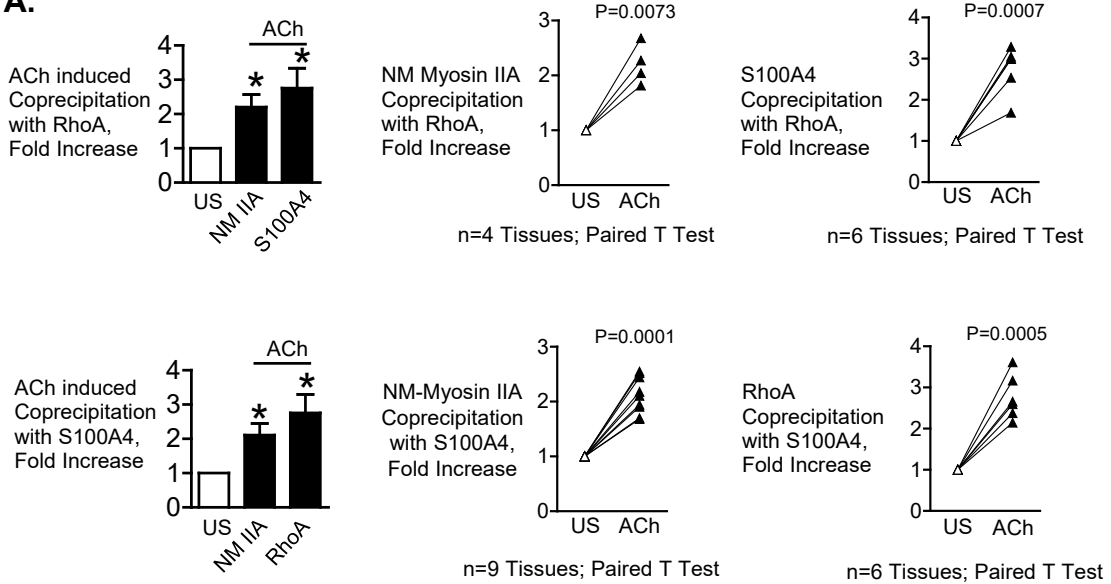


Figure 4

A.



B.

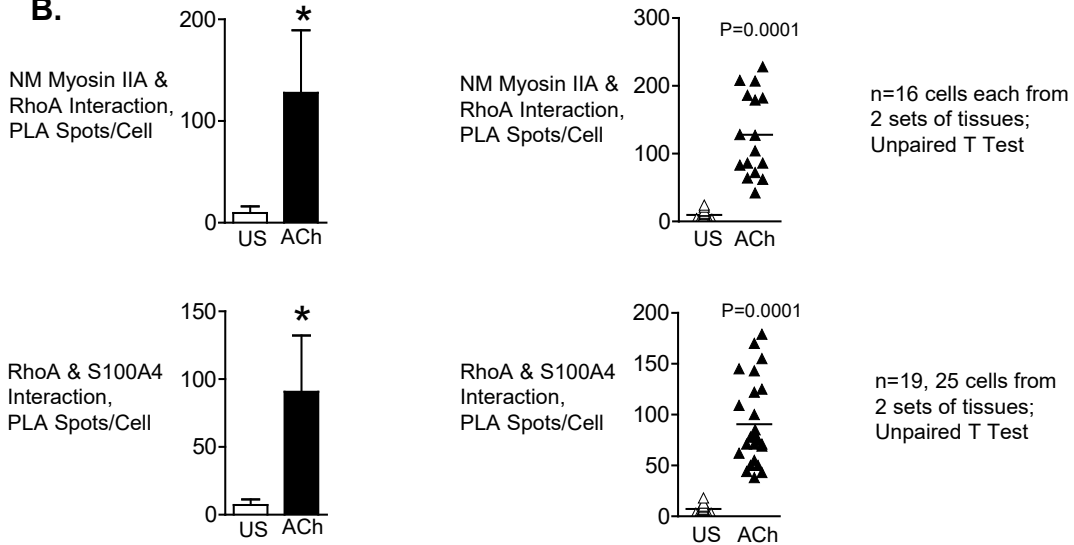
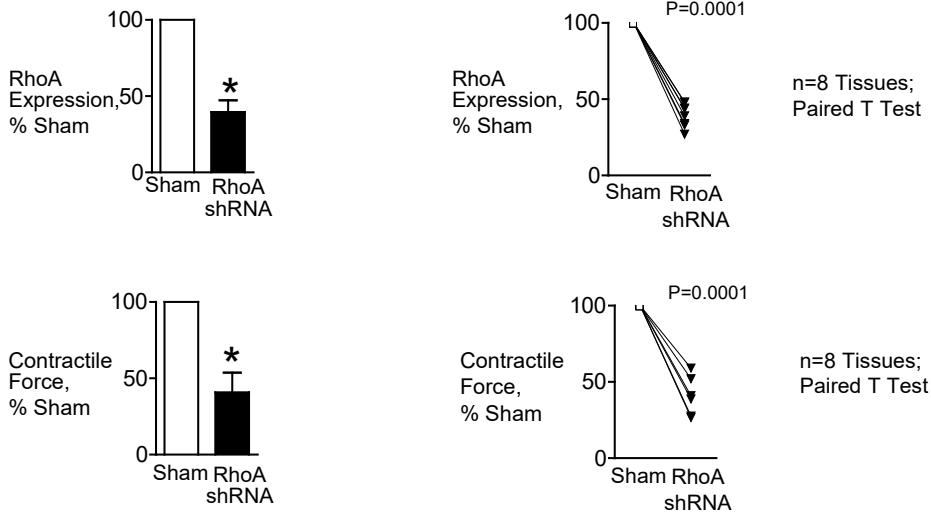
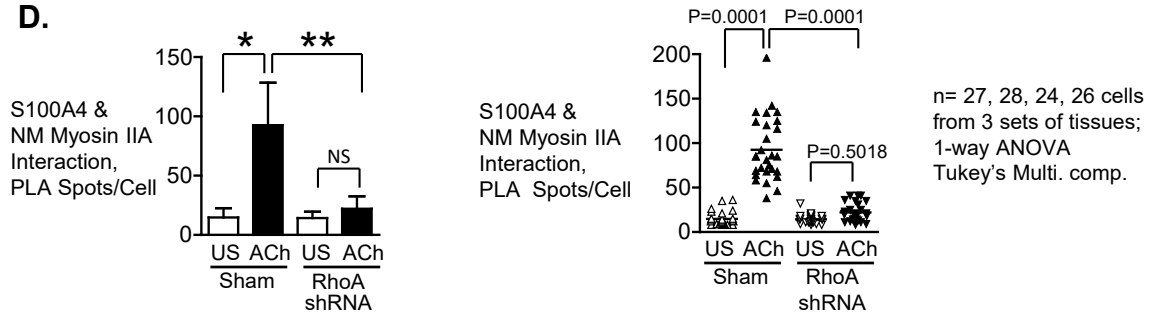


Figure 4

C.



D.



E.

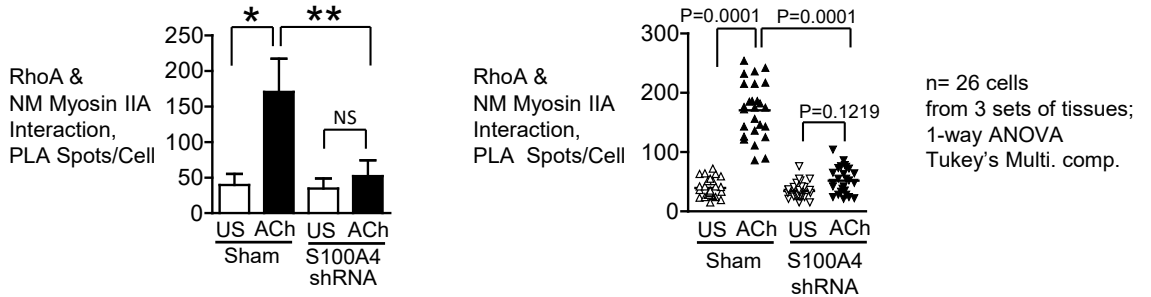
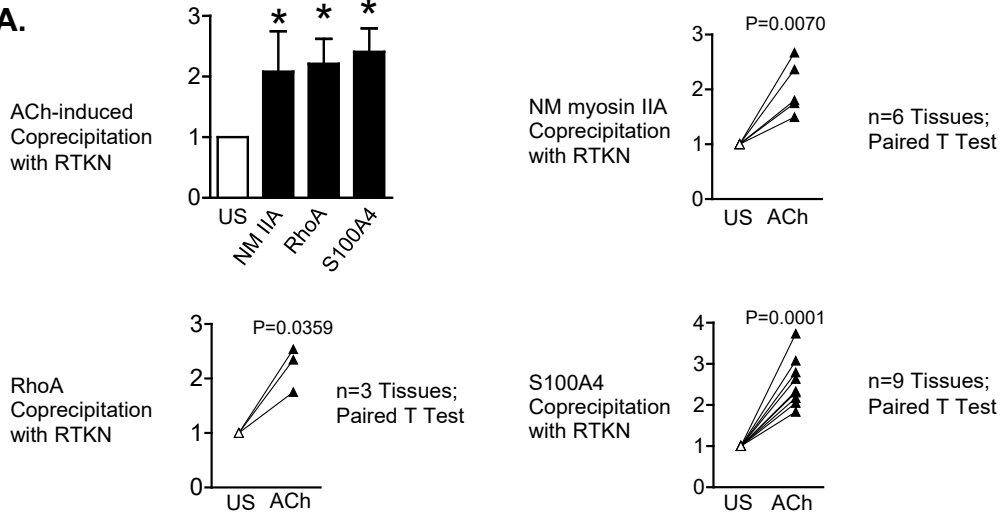


Figure 5

A.



B.

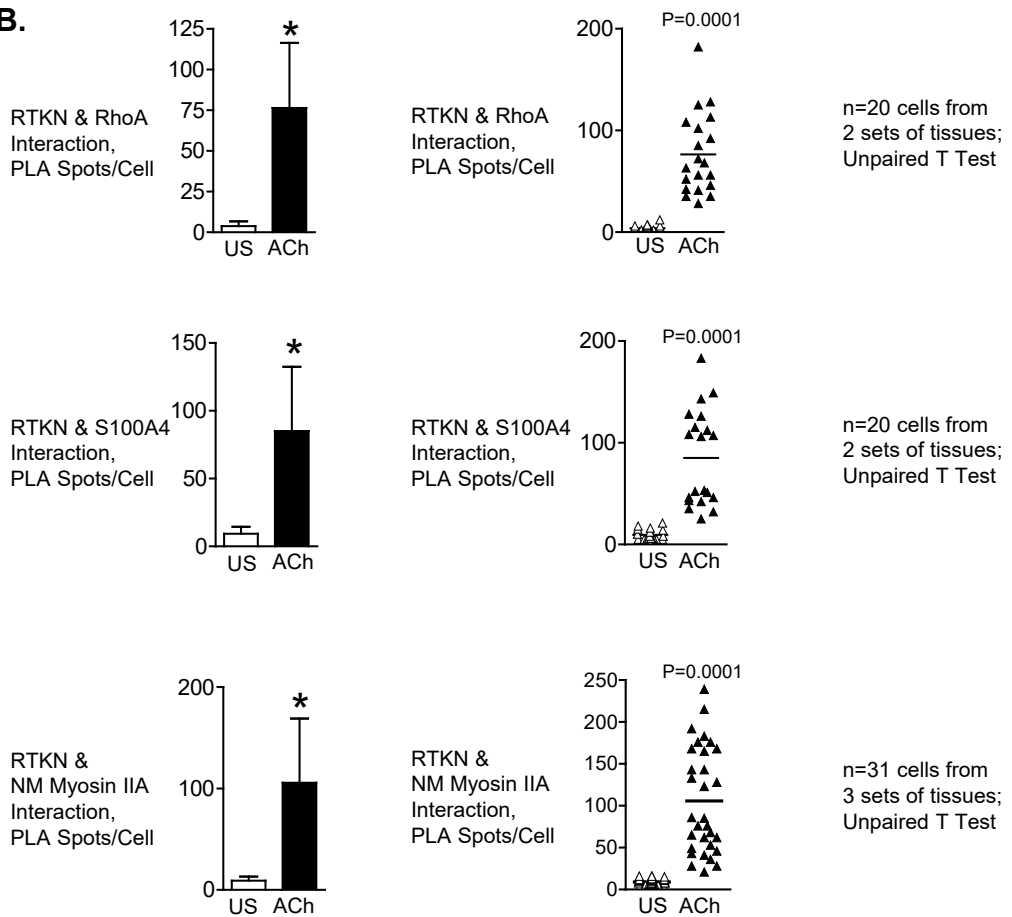
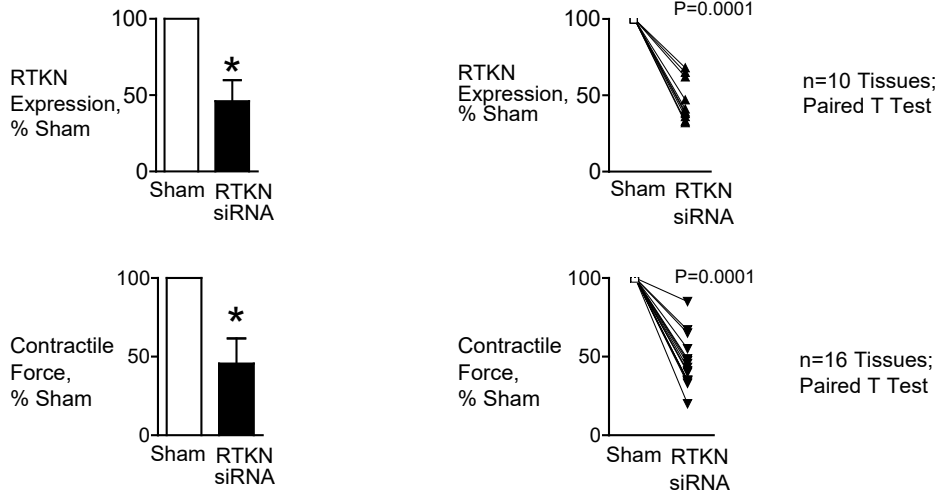


Figure 5

C.



D.

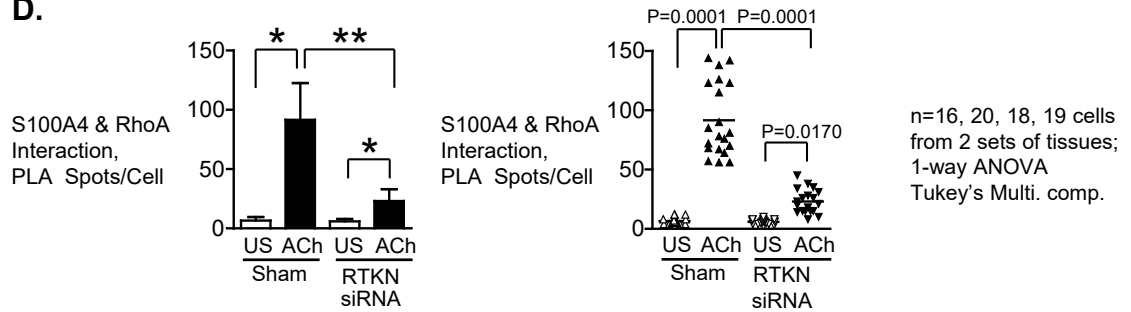
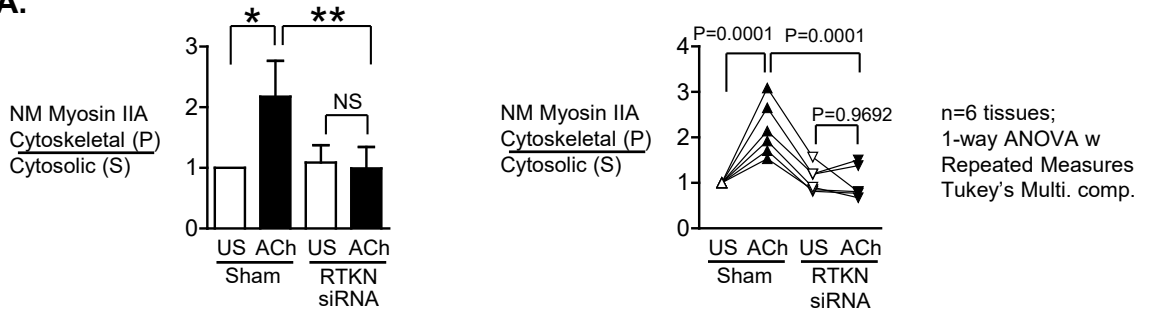
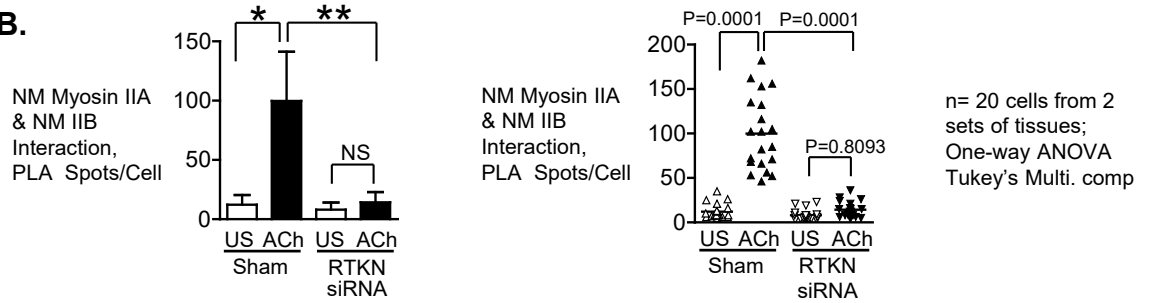


Figure 6

A.



B.



C.

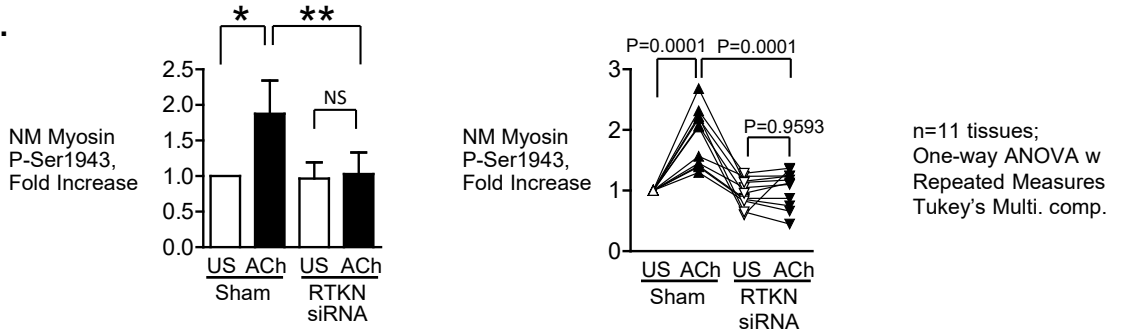
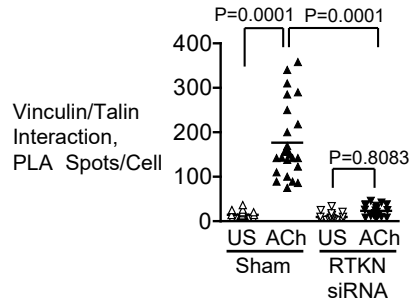
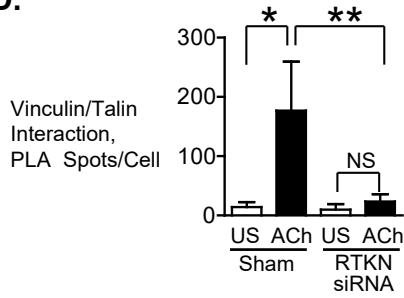


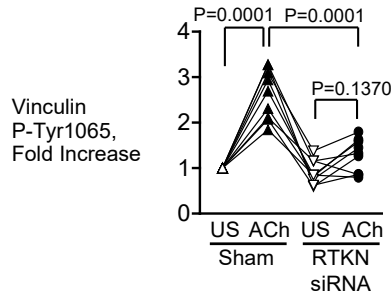
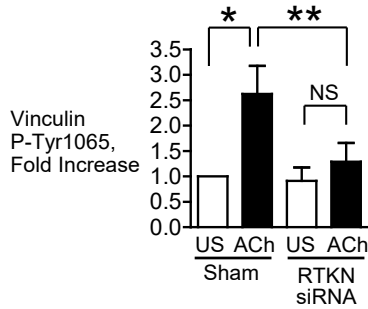
Figure 6

D.

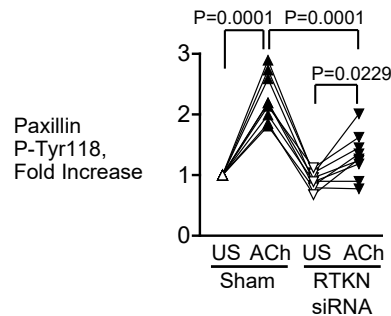
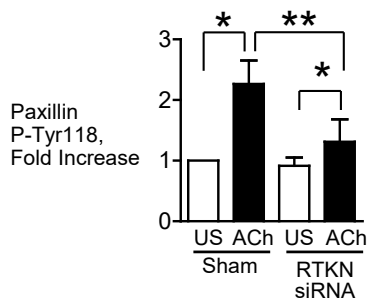


n= 19, 25, 18, 20 cells from 2 sets of tissues; One-way ANOVA Tukey's Multi. comp.

E.



n=9 tissues; One-way ANOVA w Repeated Measures Tukey's Multi. comp.



n=9 tissues; One-way ANOVA w Repeated Measures Tukey's Multi. comp.