

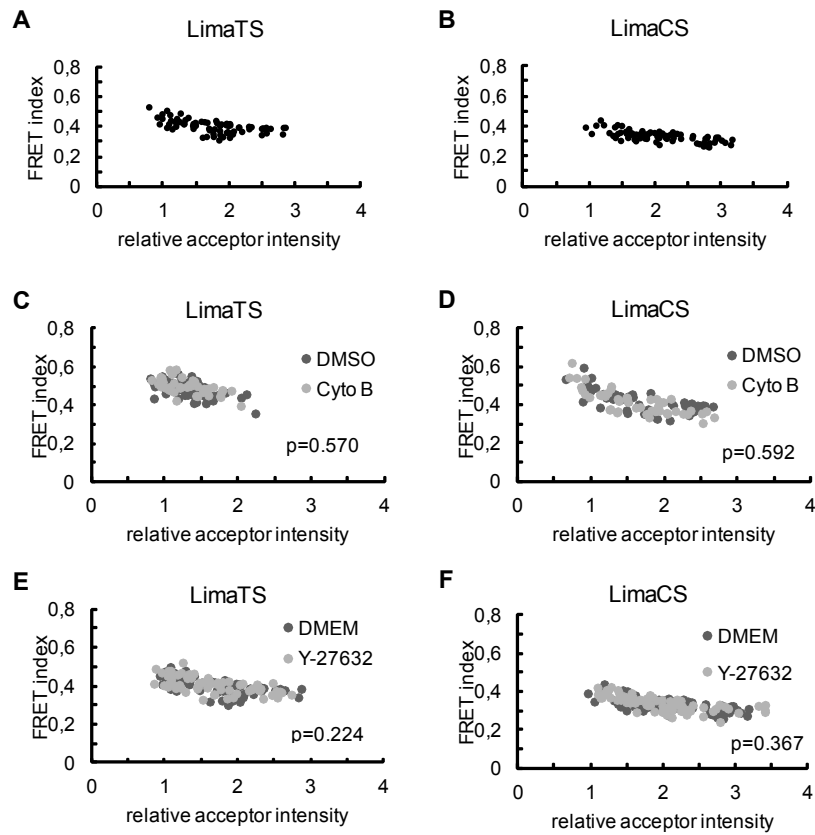
SUPPLEMENTARY MATERIAL

corresponding to:

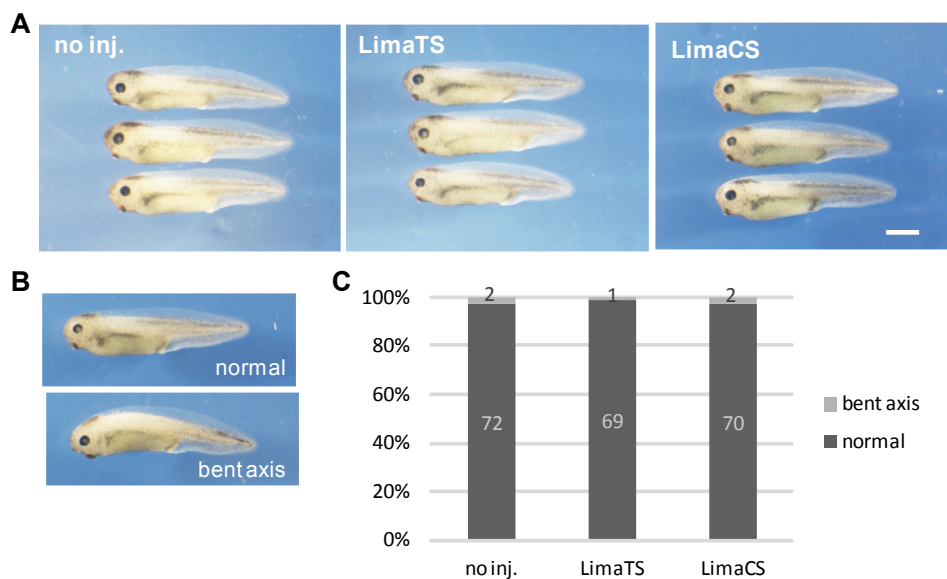
**FRET-based tension measurement across actin-associated
mechanotransductive structures using Lima1**

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Suppl. Fig. 1. Relative acceptor intensity versus FRET index plots of HeLa cells. Relative acceptor intensity versus FRET index plots of HeLa cells expressing LimaTS or LimaCS. (A,B) With no treatment. (C-F) With Cytochalasin B or Y-27632 treatment. The p values in graphs are the results of t-test comparing the acceptor intensity distribution of each plot. These plots show that the statistical significance of FRET index indicated in Fig.2 did not result from the difference of acceptor intensity distributions even in the presence of weak negative correlation between acceptor intensity and FRET index.



Suppl. Fig. 2. Phenotypes of embryos injected with sensor mRNA. (A) Phenotypes of embryos injected or not with sensor mRNA at St.37-38. Scale bar, 1 mm. (B) Representative embryos showing normal or bent axis phenotype. (C) Percentage of each phenotype is shown in bar graphs. The numbers in bars are the embryo numbers observed.