

Figure 1

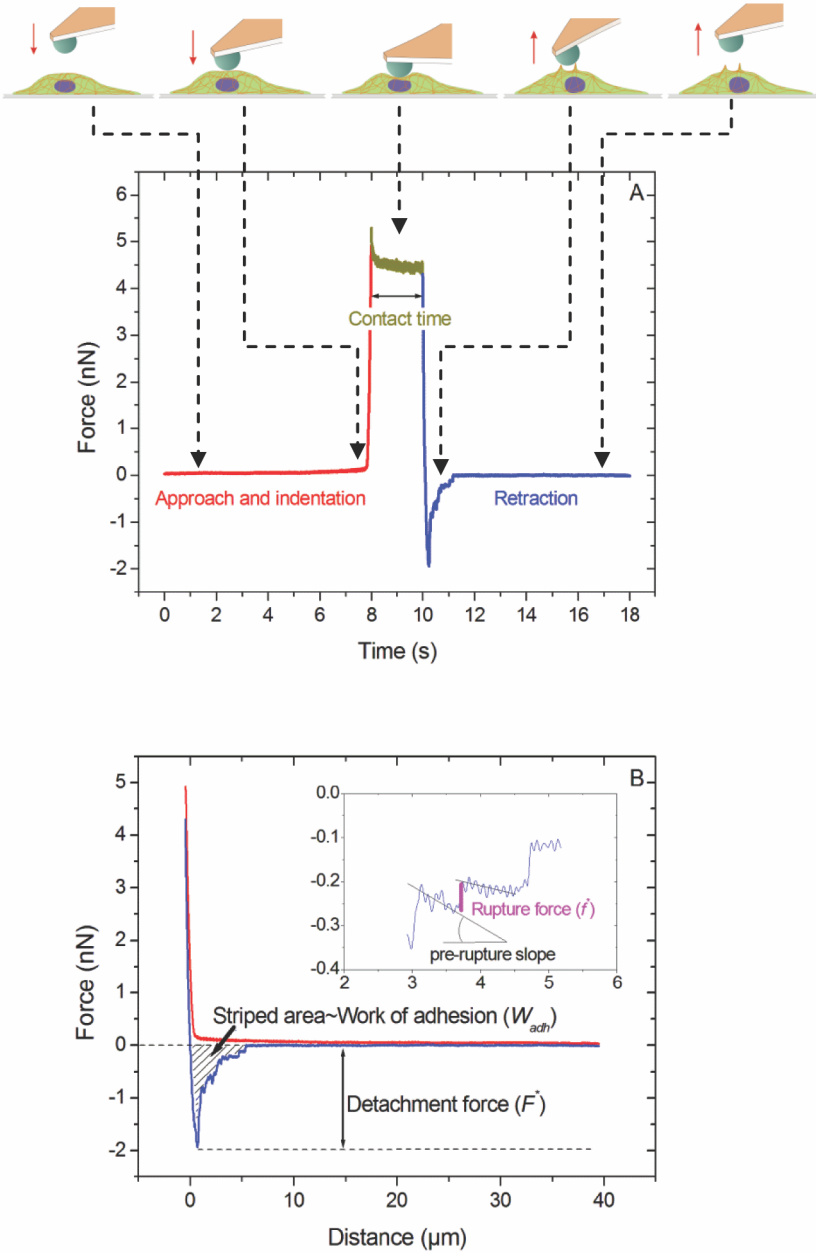


Figure 2

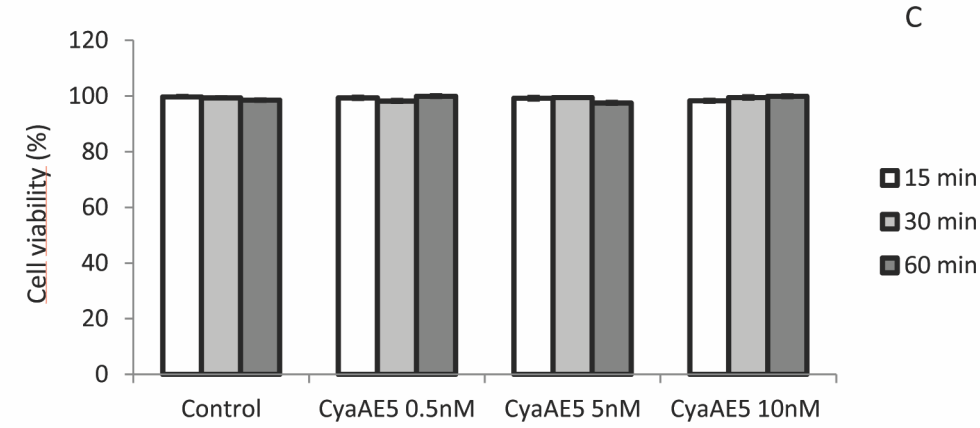
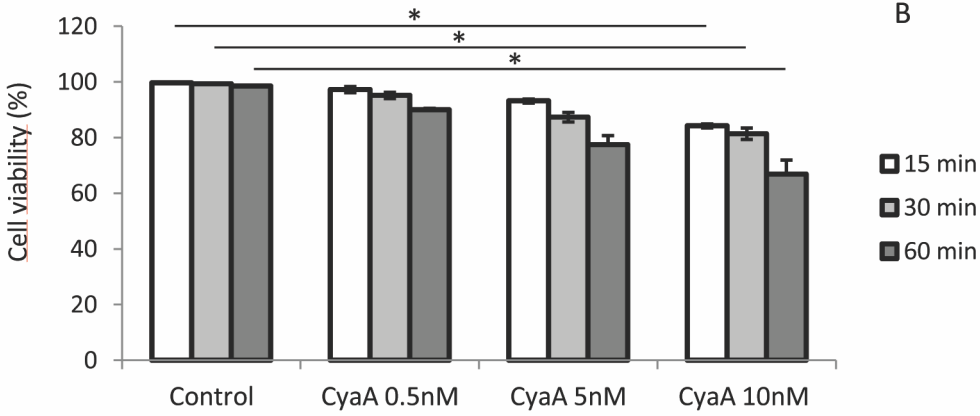
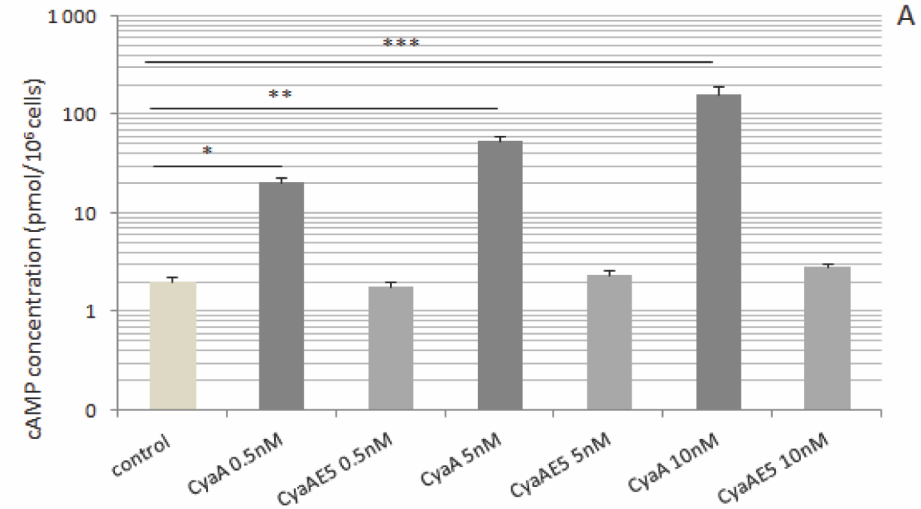


Figure 3

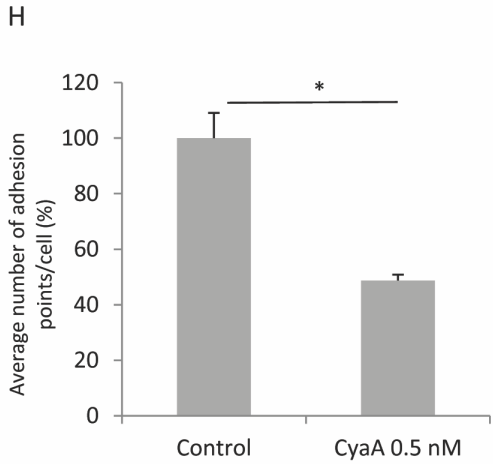
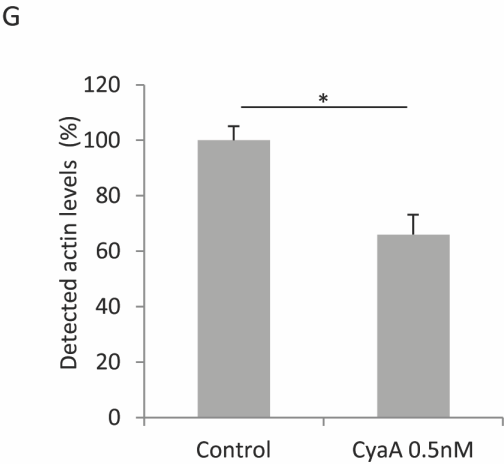
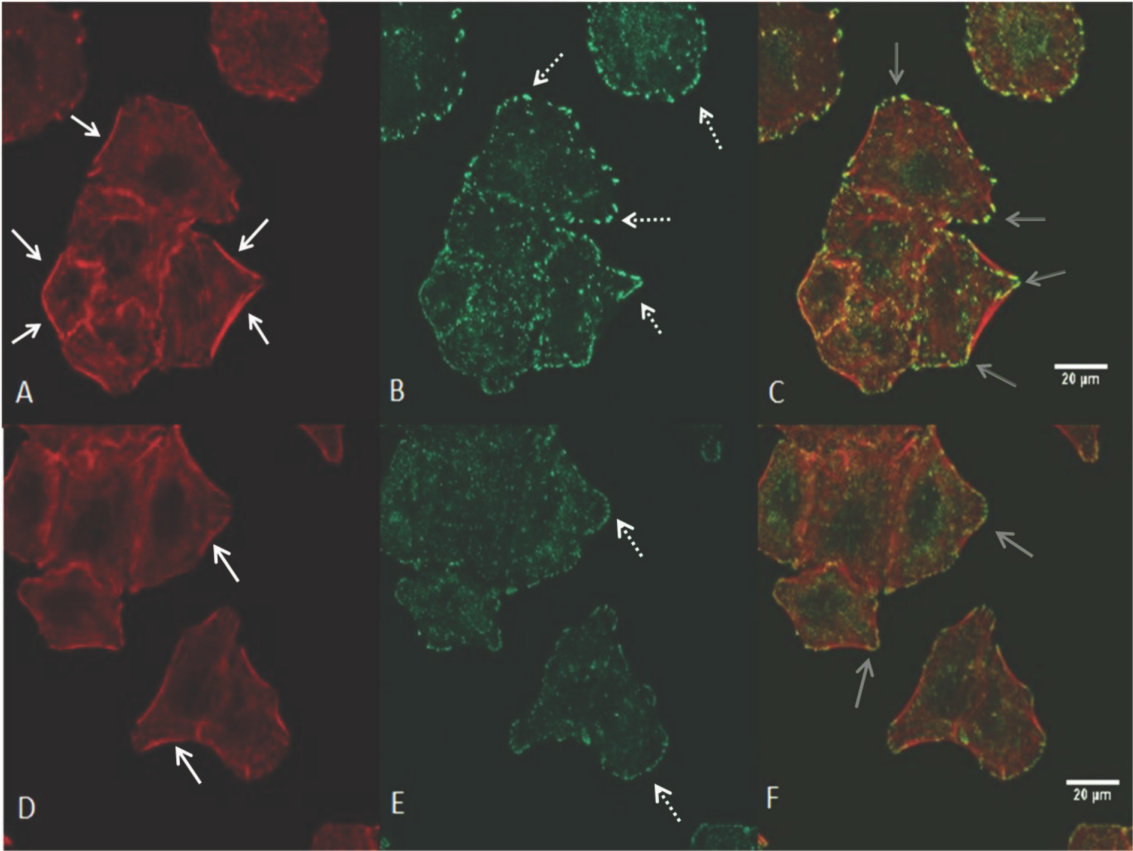


Figure 4

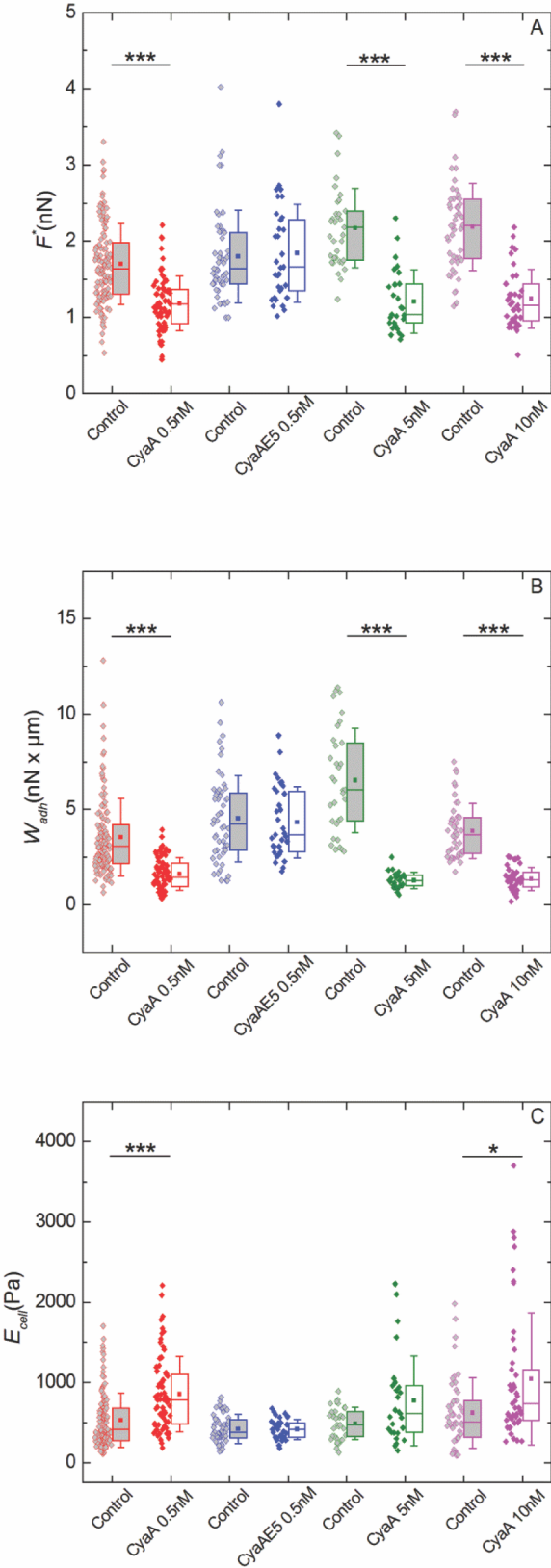


Figure 5

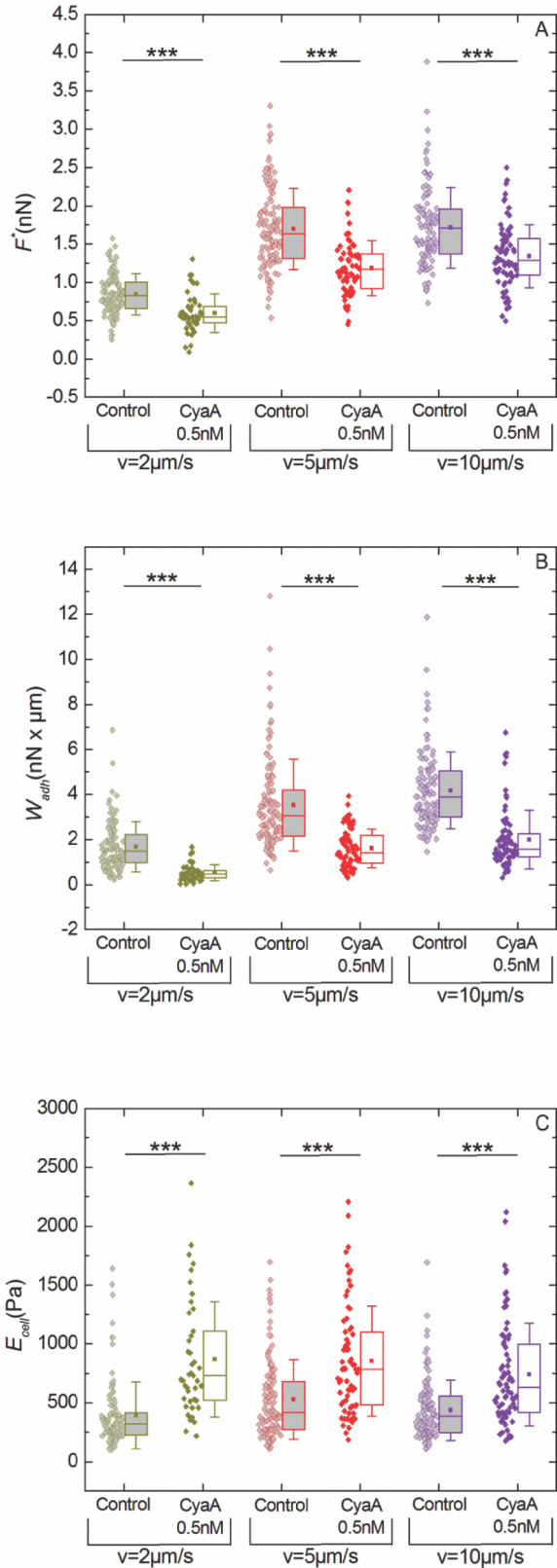


Figure 6

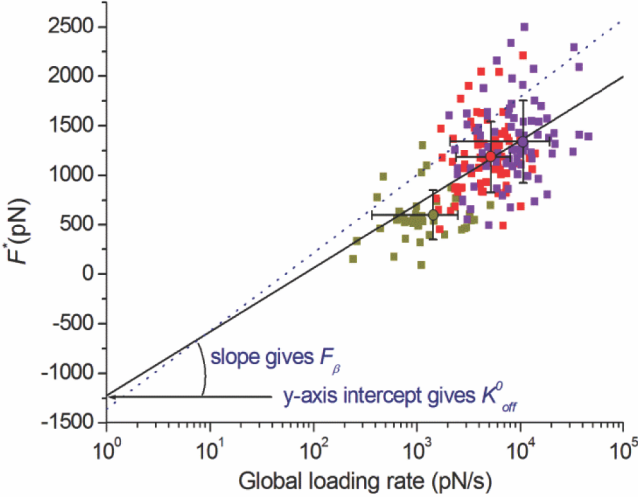


Figure 7

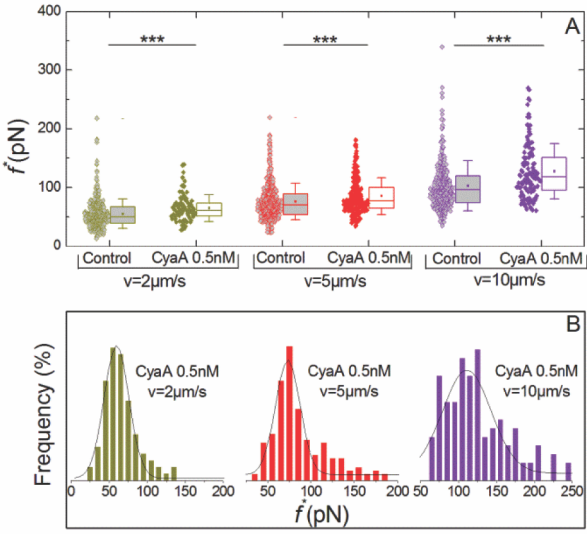


Figure 8

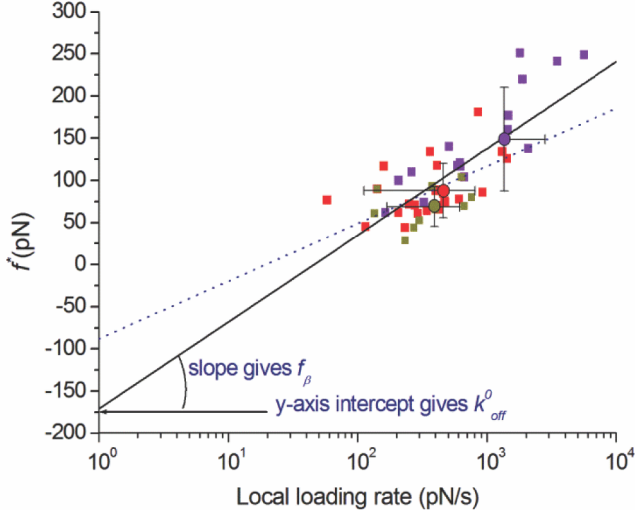


Table 1

		Values for exposure to CyaA 0.5 nM					
		Slope $\approx F_{\beta}$ (pN)	Intercept (pN)	R	x_{β} (nm)	K_{off}^0 (s ⁻¹)	T_{off}^0 (s)
Relationship: Maximal detachment force- Ln(global loading rate)	Whole data set n=187 (n=332)	280 (342)*	-1.22×10 ³ (-1.36×10 ³)	0.6 (0.57)	0.015 (0.012)	0.28 (0.16)	3.52 (6.4)
	3-point method n=3 (n=3)	379 (467.4)	-2.13×10 ³ (-2.48×10 ³)	0.99 (0.94)	0.011 (0.009)	0.73 (0.43)	1.37 (2.34)
		Slope ($\sim f_{\beta}$) (pN)	Intercept (pN)	R	x_{β} (nm)	k_{off}^0 (s ⁻¹)	t_{off}^0 (s)
Relationship: Individual rupture force- Ln(local loading rate)	Whole data set n=50 (n=171)	45 (29.7)	-170.8 (-88.1)	0.77 (0.69)	0.092 (0.138)	1.02 (0.65)	0.98 (1.53)
	3-point method n=3 (n=3)	61 (40.3)	-293.7 (-160)	0.99 (0.98)	0.067 (0.102)	1.94 (1.32)	0.52 (0.76)

* control values in parenthesis