S3 Fig.

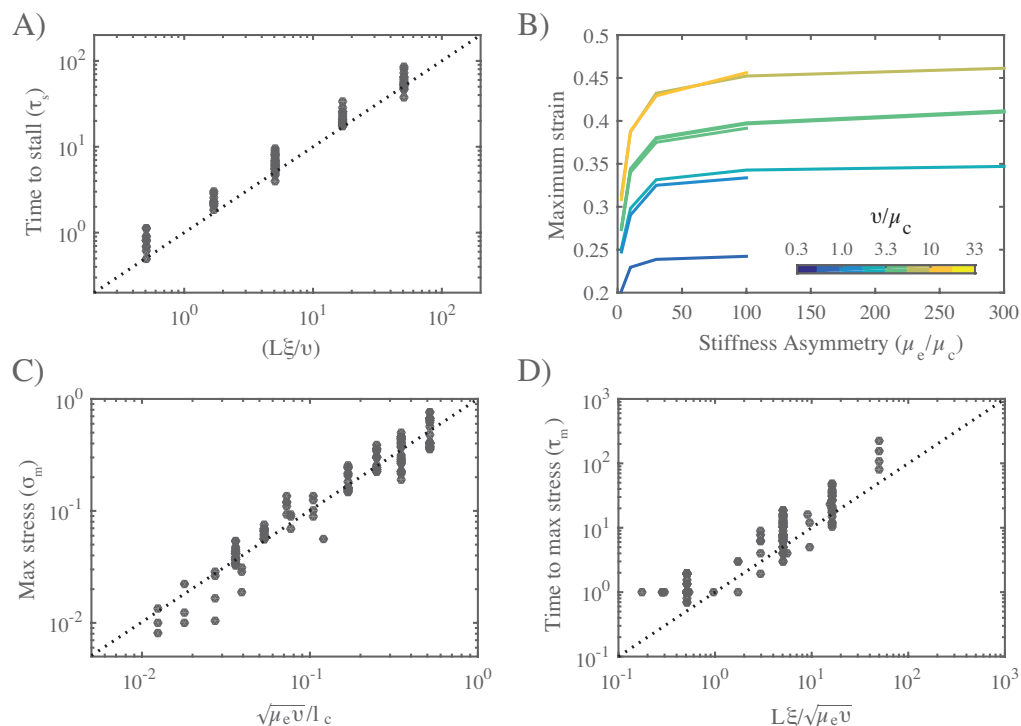**S3 Fig.** Mechanical properties of active networks. **A)** Time for freely contracting networks to reach maximum strain, τ_s, scales with $L\xi/v$. **B)** Free contraction requires asymmetric filament compliance, and total network strain increases with the applied myosin force v. Note that the maximum contraction approaches an asymptotic limit as the stiffness asymmetry approaches a ratio of ~ 100. **C)** Maximum stress achieved during isometric contraction, σ_m, scales approximately with $\sqrt{\mu_e v}/l_c$. **D)** Time to reach max stress during isometric contraction scales approximately with $L\xi/\sqrt{\mu_e v}$. Scalings for τ_s, σ_m and τ_m were determined empirically by trial and error, guided by dimensional analysis.