S5 Fig.

A)

B)

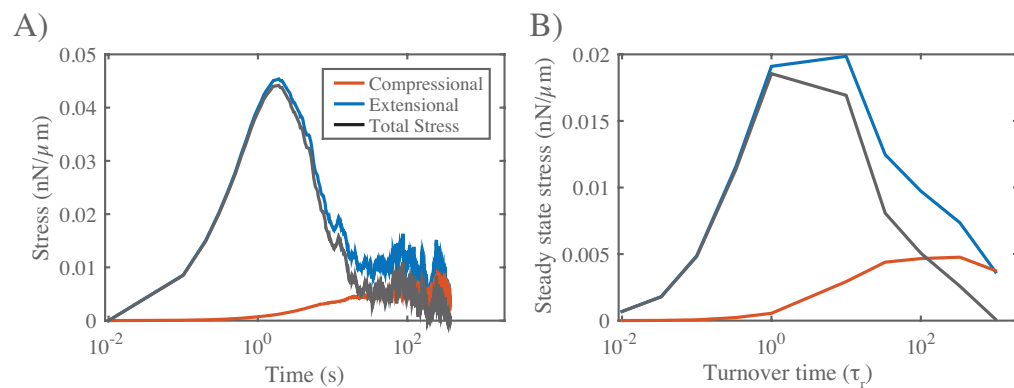**S5 Fig.** Bimodal dependence on turnover time matches bimodal buildup and dissipation of stress in the absence of turnover. **A)** Bimodal buildup of stress in a network with very slow turnover ($\tau_r = 1000s$). **B)** Steady state stress for networks with same parameters as in (Aa), but for a range of filament turnover times.