Supporting Material

Mechanism of calponin stabilization of crosslinked actin networks

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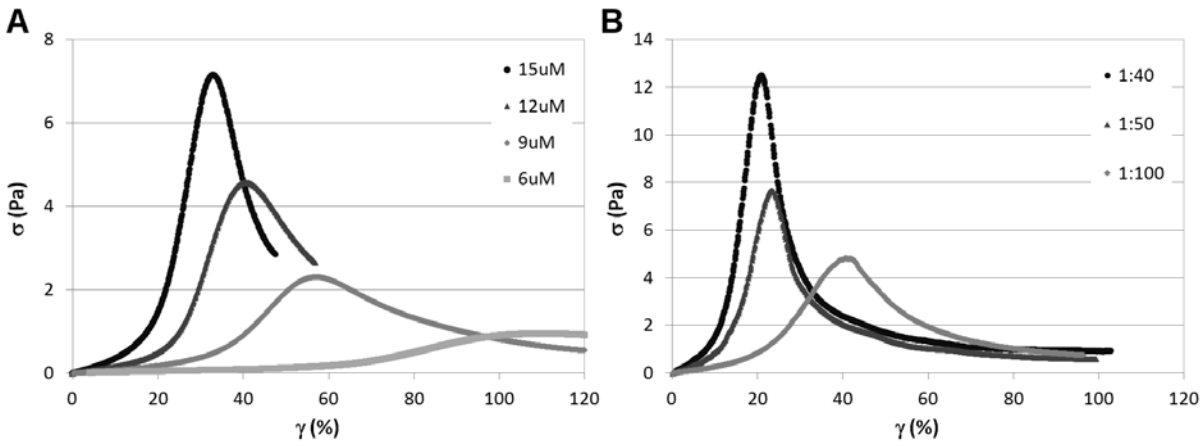

Figure S1: Effects of actin concentration and crosslinking density on network rheology. Crosslinked actin networks with a constant ratio of biotinylated actin to plain actin of 1:100 and variable actin concentrations (A), and a constant actin concentration of 15 μM with various crosslinking densities (B) were polymerized and strained as described in the Materials and Methods. The maximal network strain, γ_{max}, is increased by either lowering the actin concentration or the crosslinking density; however, in both cases the maximal stress, σ_{max}, is decreased, contrary to what is seen in actin networks with calponin.