

## Electronic Supplementary Information

# Self-assembly and elasticity of hierarchical proteoglycan-hyaluronan brushes

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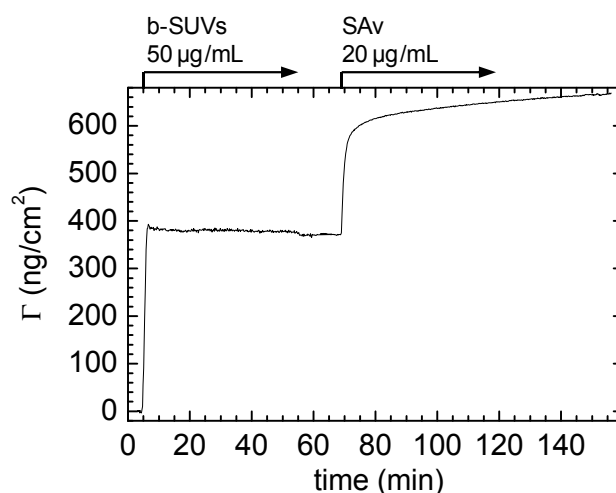
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**Figure S1. Areal mass density  $\Gamma$  during the adsorption of small unilamellar vesicles containing biotinylated lipids (b-SUVs) and streptavidin (SAV), as measured by SE.** The start and duration of incubations with samples are indicated by arrows on top of the panels; during remaining times, the silica surface was exposed to pure buffer solution. Areal lipid and protein densities are consistent with a supported lipid bilayer and a dense SAV monolayer, respectively. Close inspection of the binding curve after SAV binding revealed a small but steady increase in  $\Gamma$  even after rinsing ( $\sim 0.36 \text{ ng/cm}^2/\text{min}$ ), the origin of which remains unclear.