

Supporting information

Energy Landscape of Sugar Conformation Controls the Sol-to-Gel Transition in Self-assembled Bola Glycolipid Hydrogels

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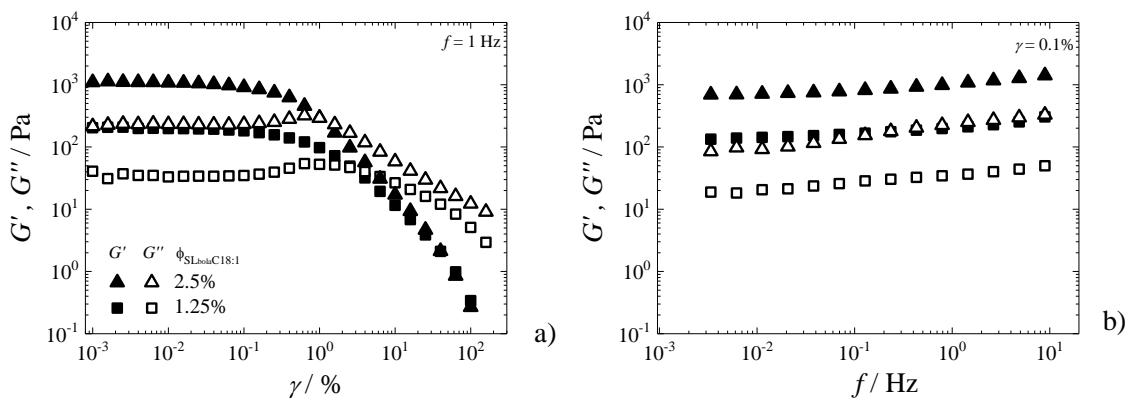


Figure S 1 - Elastic and viscous moduli, G' and G'' , of SS_{bola}C18:1 gel at 2.5% (triangle) and 1.25% (square) as a function of a) strain at 1 Hz, b) frequency at 0.1%.

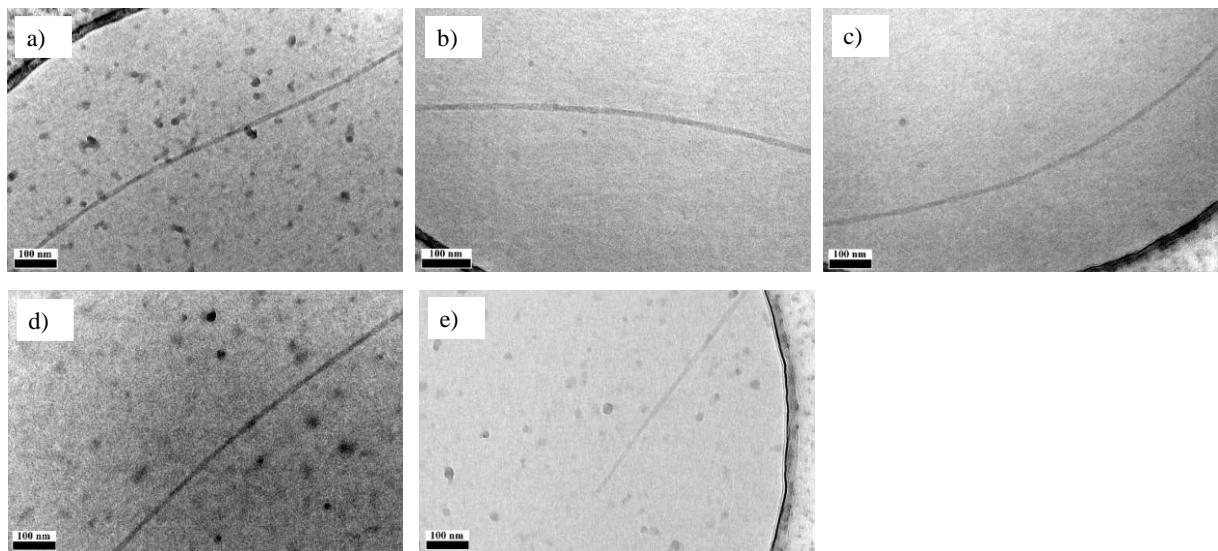


Figure S 2 - Cryo-TEM pictures of 0.05 wt% SS_{bola}C18:1 solutions.

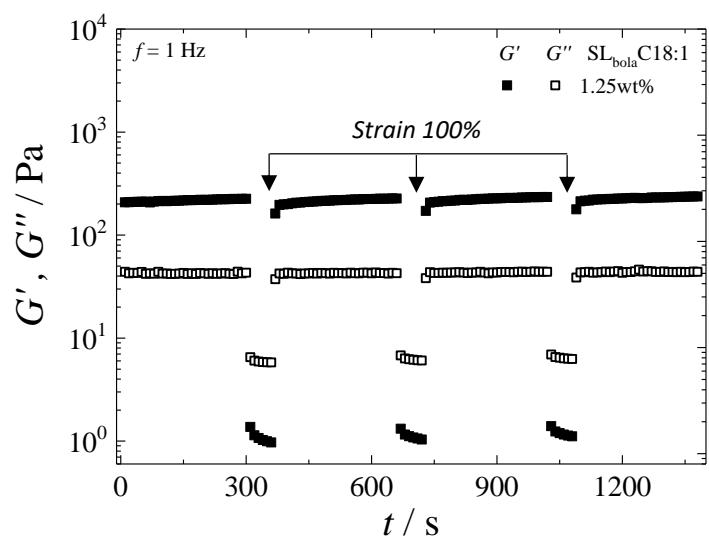


Figure S 3 - Elastic and viscous moduli, G' and G'' , of $\text{SS}_{\text{bola}}\text{C18:1}$ gel under large strain (100%).

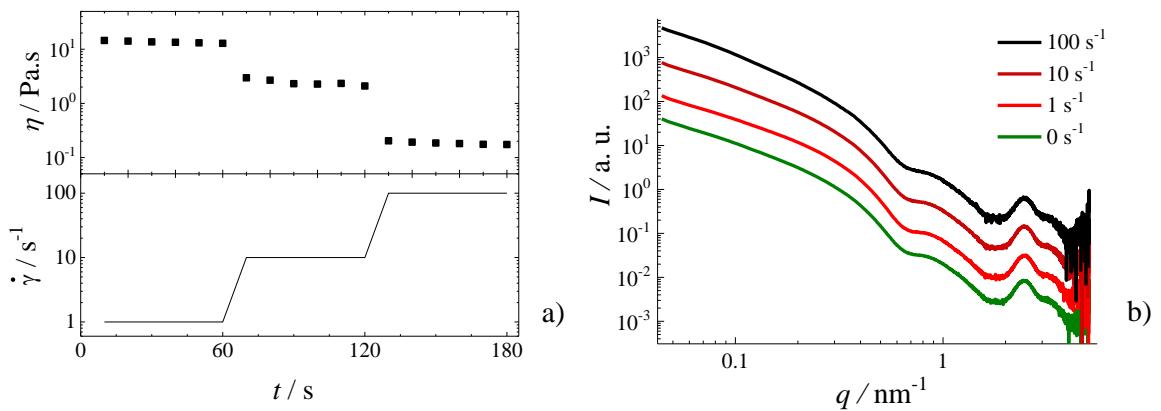


Figure S 4 - Rheo-SAXS experiment. a) Viscosity and shear strain profile as a function of time and b) associated SAXS spectra of a 5 wt% SS_{bola}C18:1 at different shear strain. Curves are intentionally shifted by a factor of about 5.