

Supporting Information

Sea urchin spicule matrix proteins form mesoscale “smart” hydrogels that exhibit selective ion interactions.

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KEYWORDS: Sea urchin / spicule / calcite / ACC / hydrogels / intrinsic disorder / amyloid-like cross-beta strand / Biomineralization / AFM / Flow cytometry / diffusion coefficient / NMR

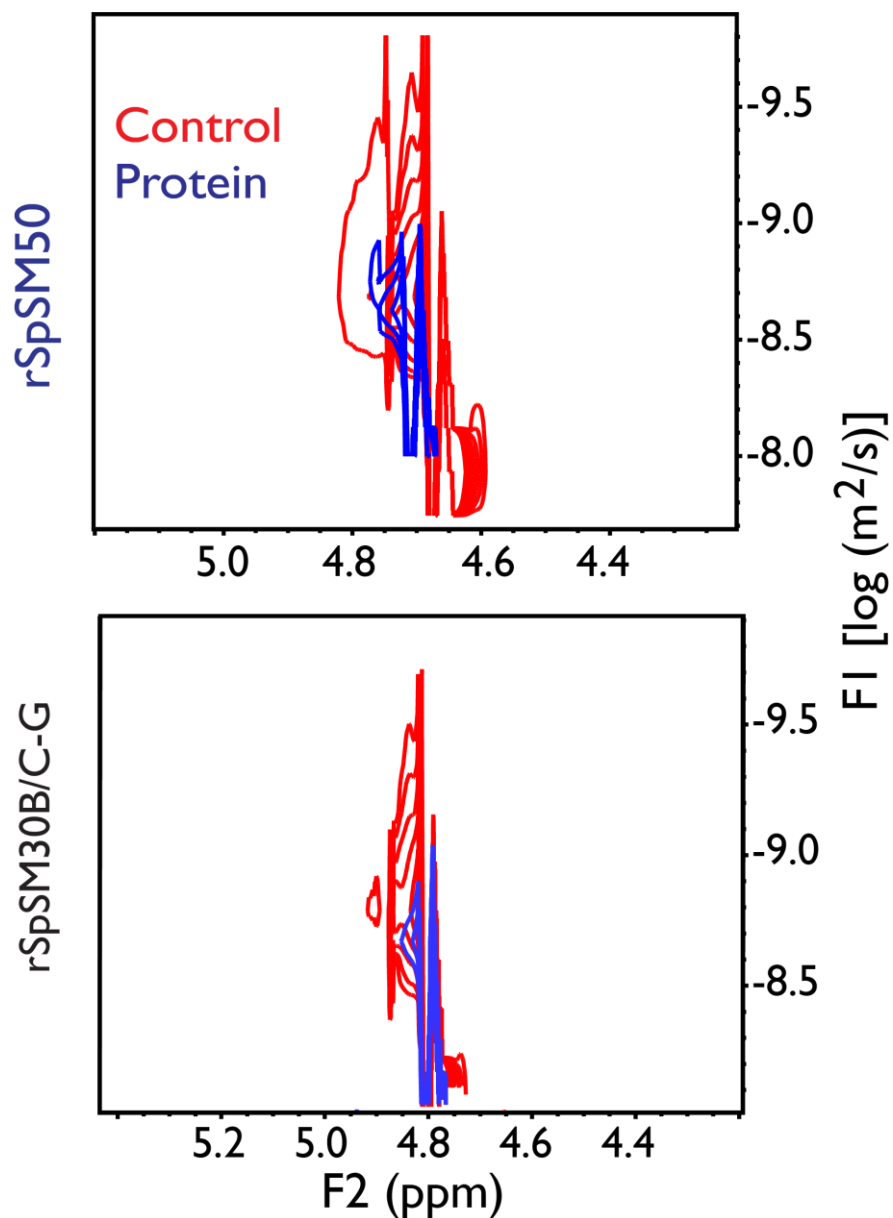


Figure S1. ¹H NMR 2-D DOSY spectra of (red) 90% H₂O / 10% D₂O with 133 µM d₄-TSP, pH 8.0, and (blue) 22 µM rSpSM proteins in 90% H₂O / 10% D₂O with 133 µM d₄-TSP, pH 8.0. The log of the diffusion coefficient is plotted on the y-axis (F1 domain) and determined from the contour plot maxima for each sample.