Sedimentation of Polyelectrolyte Chains in Aqueous Solutions

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Supporting Information

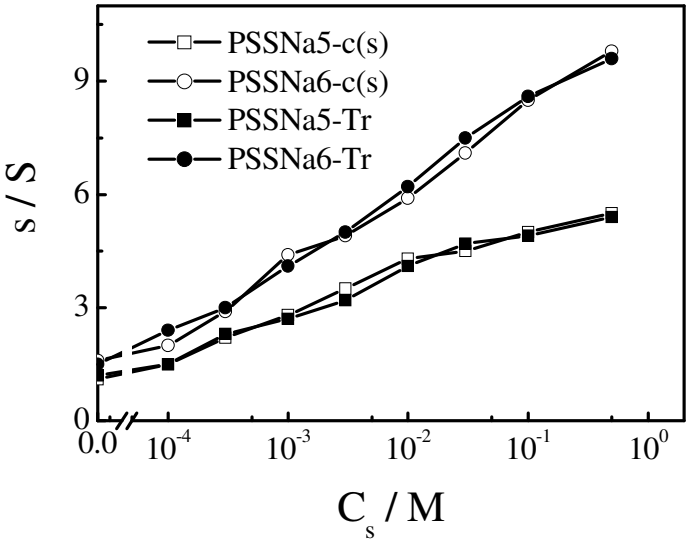

Figure 1s. Sedimentation coefficients of PSSNa5 and PSSNa6 in aqueous solutions by c(*s*) model and Transport model. The PSSNa concentration is 0.10 mg/mL. It shows that the sedimentation coefficients determined by two models are identical.

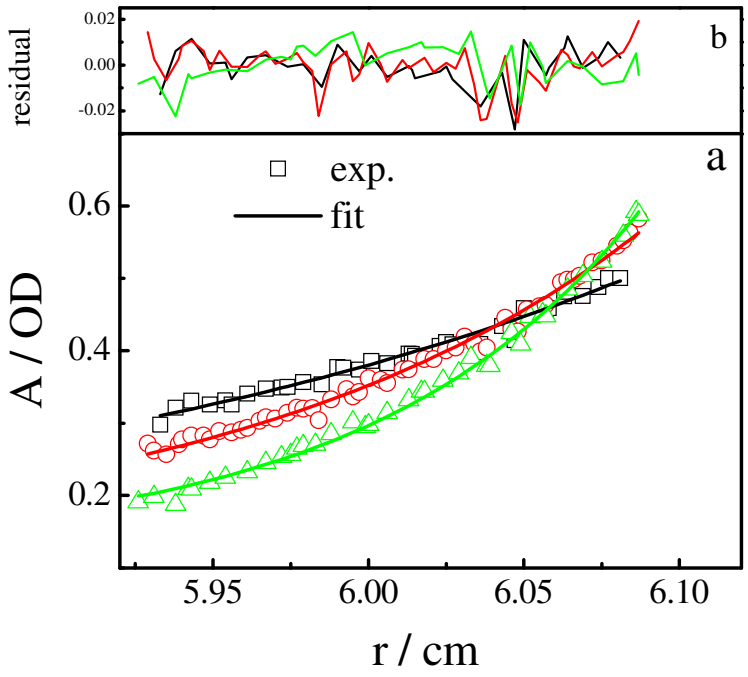

Figure 2s. Sedimentation equilibrium (SE) analysis of PSSNa3 at 12000 rpm (□), 16000 rpm (○) and 20000 rpm (△). PSSNa3 concentration (C_p) and NaCl concentration (C_s) are 0.20 mg/mL and 0.10 M, respectively. (a) The collected data (discrete points) and fit data (solid line); (b) Fit residual.

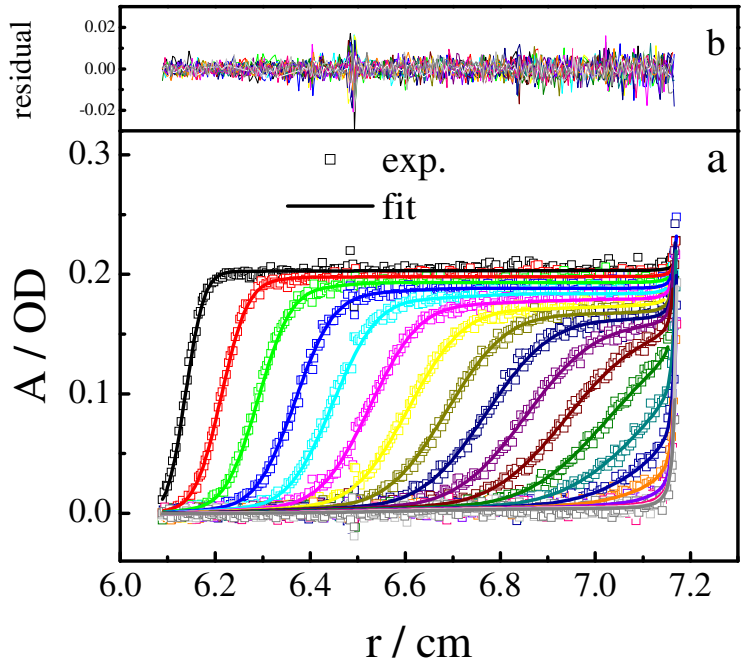

Figure 3s. Sedimentation velocity (SV) analysis of PSSNa3 (every 5th scan loaded). Data were recorded at 260 nm. PSSNa3 concentration and NaCl concentration are 0.10 mg/mL and 0.10 M, respectively. (a) The collected data (discrete points) and fit data (solid line); (b) Fit residual.

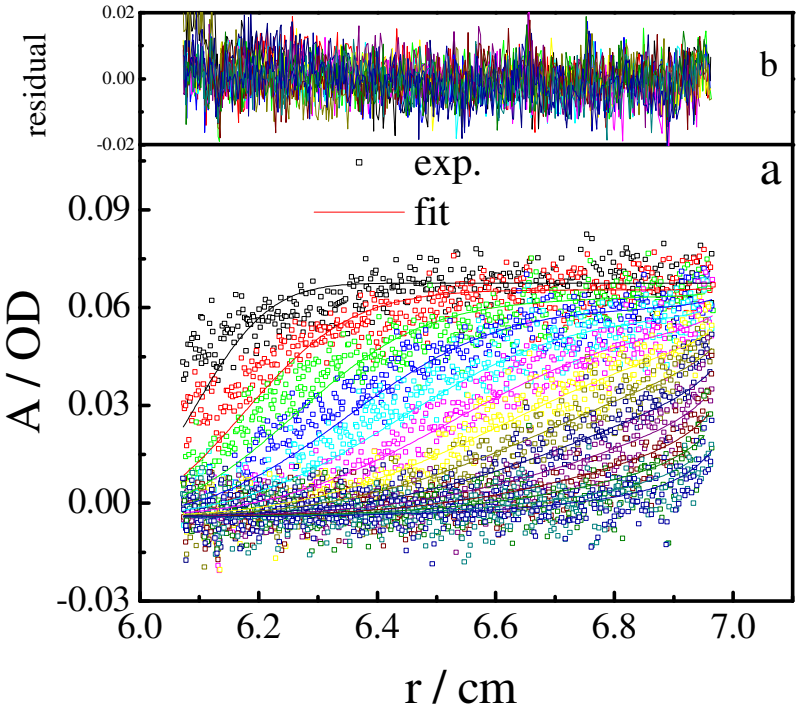

Figure 4s. Sedimentation velocity (SV) analysis of PSSNa3 in water (every 6th scan loaded). Data were recorded at 225 nm. PSSNa3 concentration is 0.0015 mg/mL. (a) The collected data (discrete points) and fit data (solid line); (b) Fit residual.

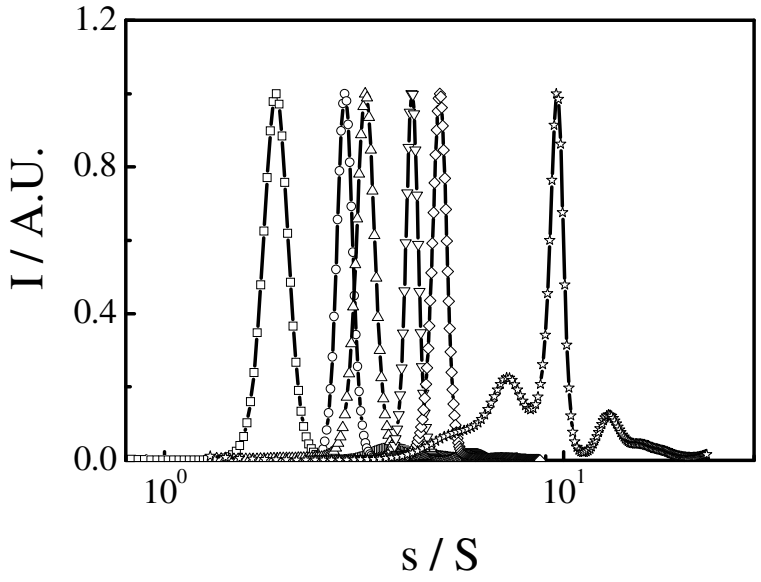

Figure 5s. Sedimentation coefficient (*s*) distributions of PSSNa1 to PSSNa6 (from left to right). PSSNa concentration (C_p) and NaCl concentration (C_s) are 0.10 mg/mL and 0.10 M, respectively.