

Supplementary Information

Ion-specific Effect on Dynamics of Polyelectrolyte Chains

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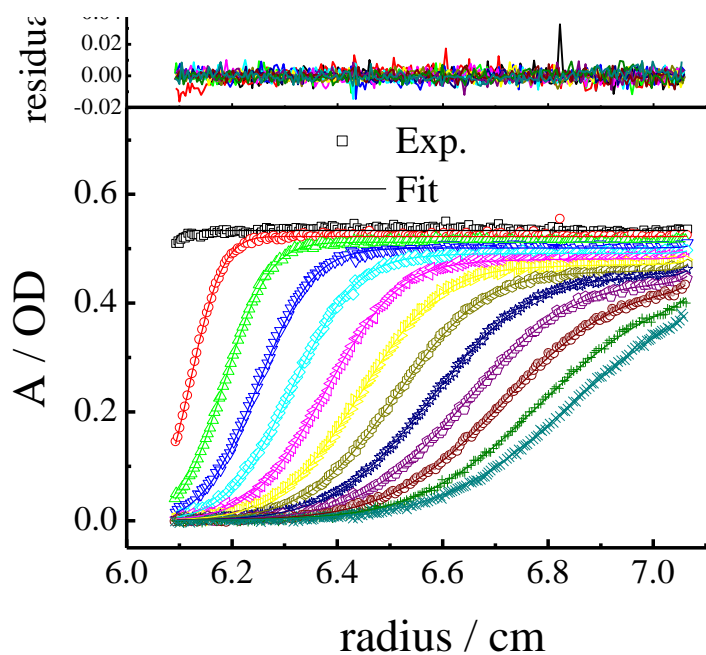


Figure S1: Sedimentation velocity (SV) analysis of QP4VP1 (every 10th scan loaded). Data were recorded at 275 nm. QP4VP1 concentration and NaCl concentration are 0.20 mg/mL and 0.10 M, respectively, the fit RMSD is smaller than 0.005. (a) The collected data (discrete points) and fit data (solid line); (b) Fit residual.

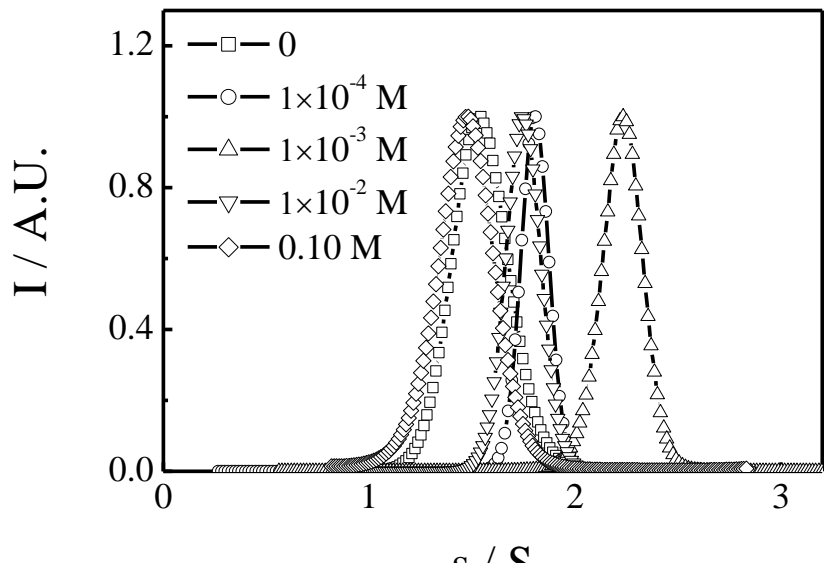


Figure S2: Sedimentation coefficient (s) distributions of QP4VP1 in different NaCl concentration (C_s) solutions. It shows that QP4VP1 has a unimodal distribution in salt-free or NaCl solution.

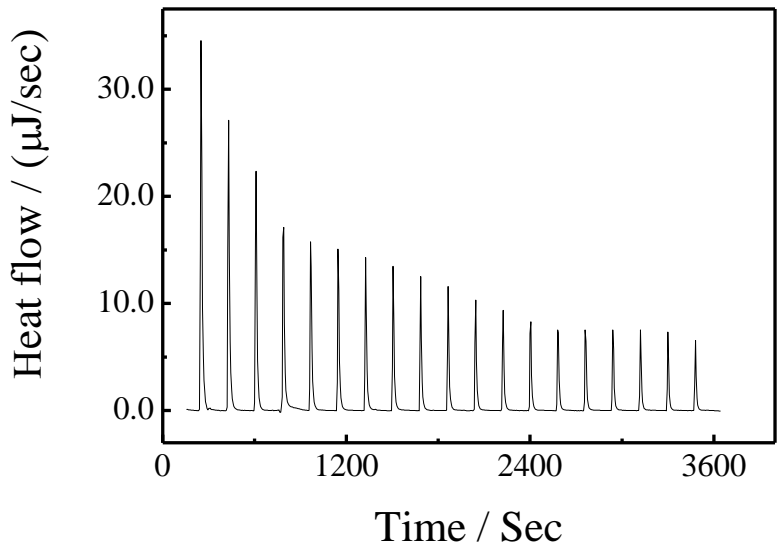


Figure S3: Time dependence of heat flow for QP4VP1 solution with a concentration of 0.20 mg/mL titrated with NaCl solution (0.10 M) at 20.0 °C, where the titration of water with 0.10 M NaCl is used as the reference.