

# Supporting Information

## Conformational Transition of Semiflexible Ring Polyelectrolyte in Tetravalent Salt Solutions

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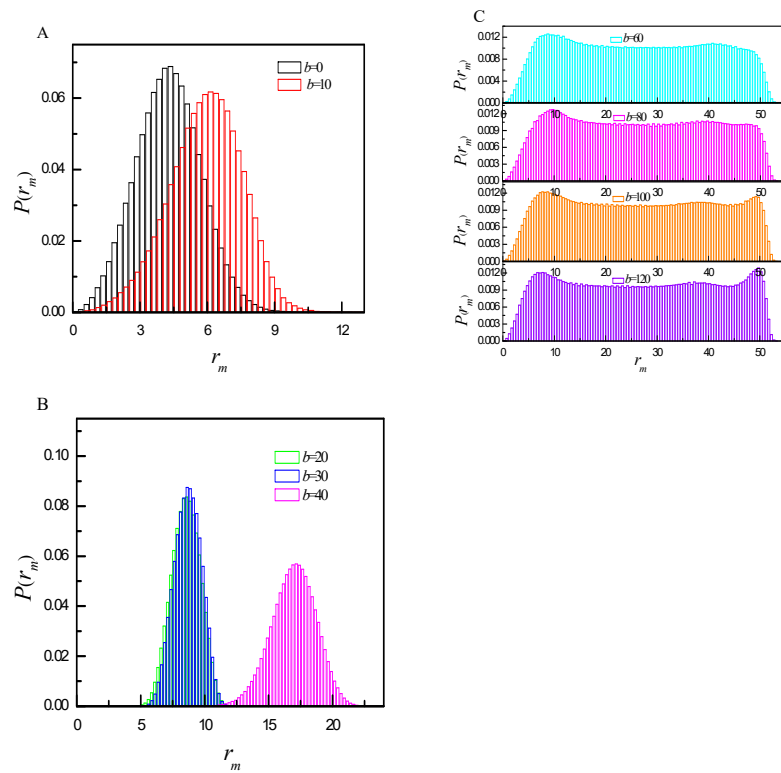
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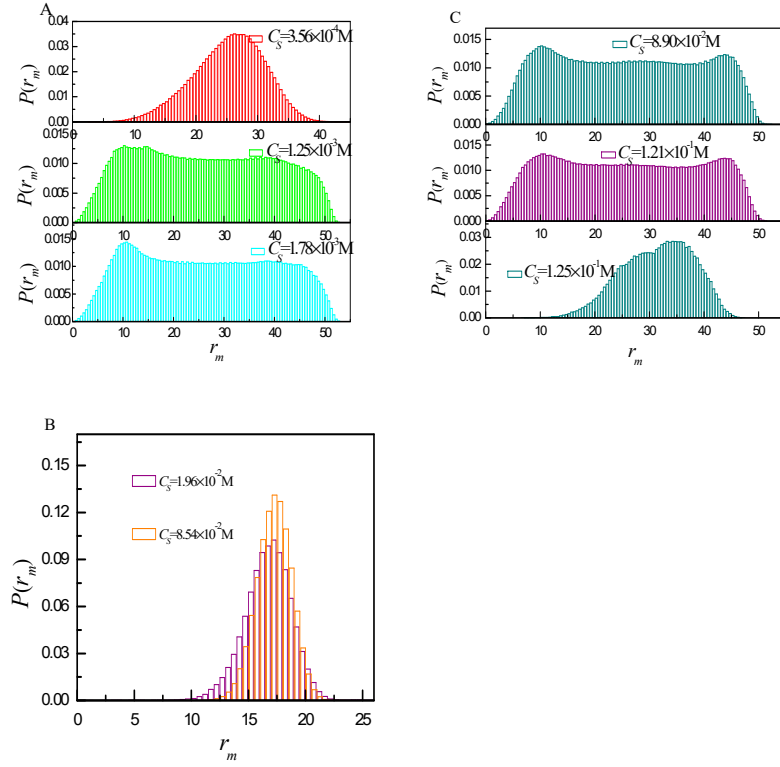
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**Figure S1.** The number density of monomers  $P(r_m)$  as a function of the distance  $r_m$  from the center of mass of ring PE for different bending energy  $b$  at  $C_s=1.78 \times 10^{-3}M$ .



**Figure S2.** The number density of monomers  $P(r_m)$  as a function of the distance  $r_m$  from the center of mass of ring PE at different salt concentration  $C_s$  for  $b=60$