

## SUPPLEMENTARY MATERIALS

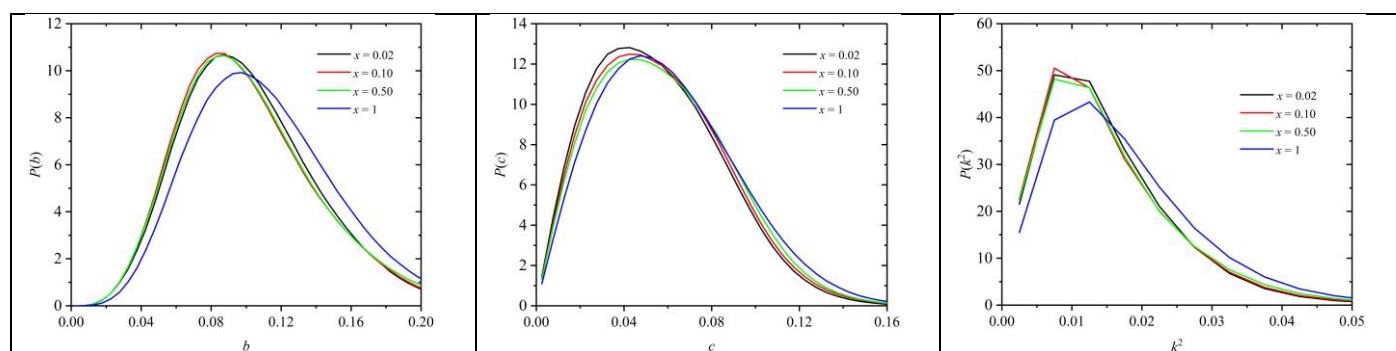
# Entropy-Driven Crystallization of Hard Colloidal Mixtures of Polymers and Monomers

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**Figure S1** shows the distribution of the shape measures for the mixtures at  $\phi = 0.57$  and for compositions  $x = 0.02, 0.10, 0.50$  and  $1$ . In all cases the distributions are calculated over all sites, independent of being individual ones or part of chains.



**Figure S1.** Probability distribution function for asphericity (left panel), acylindricity (middle panel) and relative shape anisotropy (right panel) of the Voronoi polyhedra, as calculated over all spheres in the final, stable part of the MC trajectory at  $\phi = 0.57$ . The corresponding degrees of crystallinity are  $\tau = 0.72$  ( $x = 0.02$ ),  $0.71$  ( $x = 0.10$ ),  $0.64$  ( $x = 0.50$ ), and  $0.40$  ( $x = 1$ ).