Figure S1. (a) SAXS and SANS H/D contrast variation data series (log I versus q in Å⁻¹). Scattering profile of the tbParB-parS22 assembly is shown at 3 different concentrations. Intensity is shown in arbitrary unit.

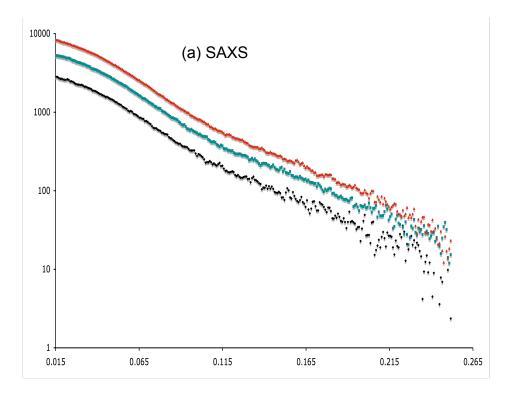


Figure S1. (b) The pair distribution function P(r) plotted against the pair-wise distance (r in Å) is shown for the tbParB-parS22 SAXS dataset (computed in GNOM (43), P(0) = 0 and P(r $\ge D_{max}$) = 0 conditions were not imposed).

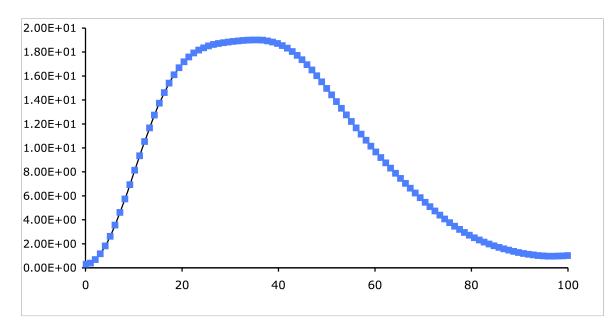
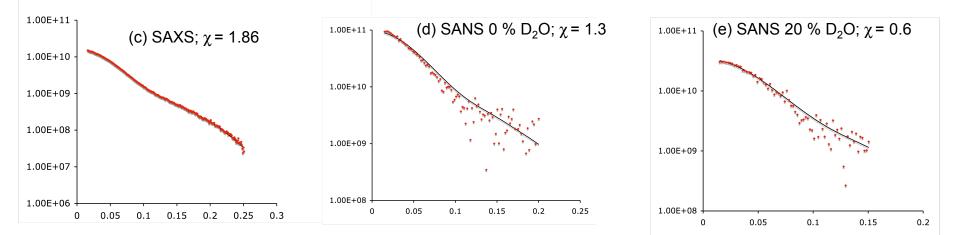
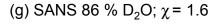


Figure S1. (c-h) SAXS and SANS H/D contrast variation data series (log I versus q in Å⁻¹). Fitting of the scattering profiles (black line) computed from the shape of the tbParB-parS22 to the solution scattering data sets are shown (red dots; overall $\chi = 1.3$, fit and the χ -values are reported by MONSA). The dataset with 34.5 % D₂O was not included in the shape reconstruction.



(f) SANS 78.5 % D₂O; χ = 1.6



(h) SANS 34.5 % D₂O;

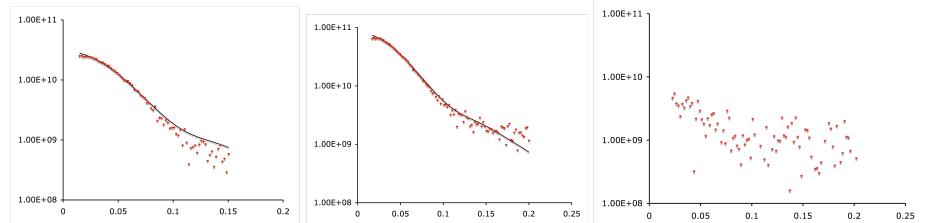


Figure S1. (i-l) Two examples of individual MONSA shape reconstructions in two orientations are shown (protein: grey beads, DNA: red beads).

