Supplementary information for structural changes in block copolymer micelles induced by cosolvent mixtures

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1. Light scattering of PB-PEO in H2O/THF mixtures

Fig. S1: Linear plots of the decay constant ($\Gamma$) versus $q^2$ determined by light scattering, indicative of the isotropic nature of the PB-PEO micelles (2.4 mg mL$^{-1}$) in a number of H$_2$O/THF co-solvent mixtures. Error bars represent the relative variance of $\Gamma$ for each measurement.
2. Absorbance of PB homopolymer in H$_2$O/THF cosolvent mixtures

**Fig. S2:** Absorbance measurements for PB homopolymer ($M_n = 3.2$ kg mol$^{-1}$, 0.73 mg mL$^{-1}$), in H$_2$O/THF mixtures, taken at 600 nm. Error bars represent standard deviation of measurements from three different polymer solutions.
3. Radius of gyration of PEO homopolymer in D$_2$O/THF-$d_8$ cosolvent mixtures

**Fig. S3:** Radius of gyration ($R_g$) of PEO homopolymer (6 kDa) in D$_2$O/THF-$d_8$ co-solvent mixtures determined from SANS measurements. SANS data were fit with a Debye function to determine the $R_g$. Error bars represent the range in fit values of $R_g$ with similar goodness of fits.