Supporting Information for:

Self- and dis-assembly behavior of segmented wormlike nanostructures from ABC triblock copolymer

Supporting figures

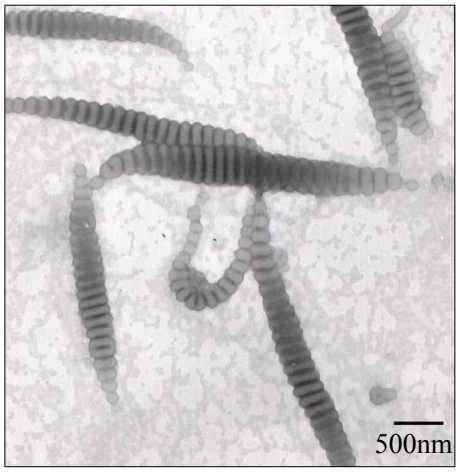

Figure S1. Segmented wormlike nanostructures prepared from PS_{720}-b-$P2VP_{200}$-b-PEO_{363} in THF/water after stirred for four days. The initial copolymer concentration is 1.0 wt %, water concentration is 13 wt %.

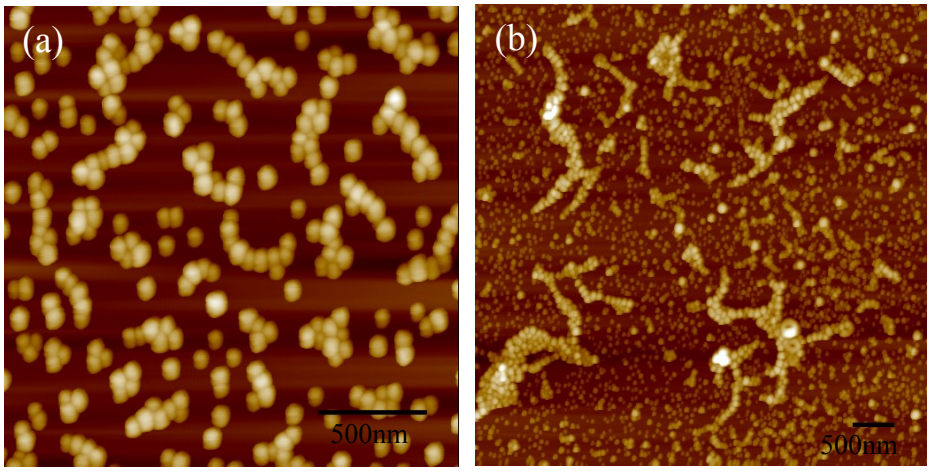

Figure S2. (**a**) Spherical micelles prepared from PS_{432}-b-$P2VP_{152}$-b-PEO_{193} in THF/water solutions. All the systems have an initial copolymer concentration of 1.0 wt %, and a water concentration of 13 wt %; (**b**) Giant aggregates formed from 1.0 wt % PS_{720}-*b*-$P2VP_{200}$-*b*-PEO_{375} in THF/water.

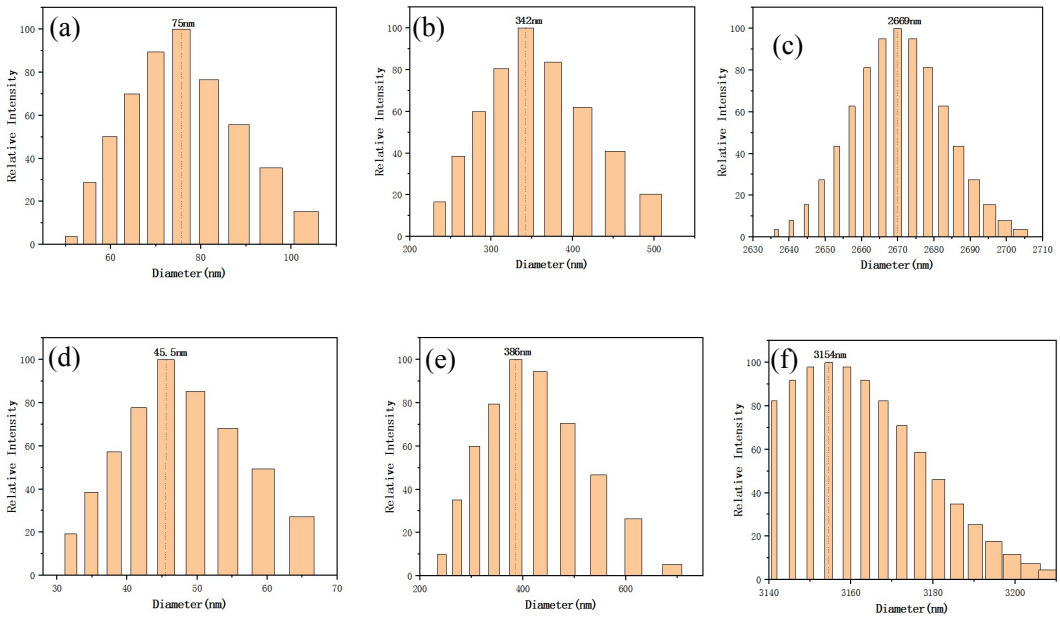

Figure S3. Dynamic light scattering results of the self-assembled structures from PS_{720}-*b*-$P2VP_{200}$-*b*-PEO_{363} for (**a**) 24 h; (**b**) 48 h; (**c**) 96 h; and from PS_{768}-$P2VP_{133}$-PEO_{95} for (**d**) 20 h; (**e**) 50 h; (**f**) 96 h at room temperature (20°C), in THF/H_2O mixtures (water content: 13 wt %).

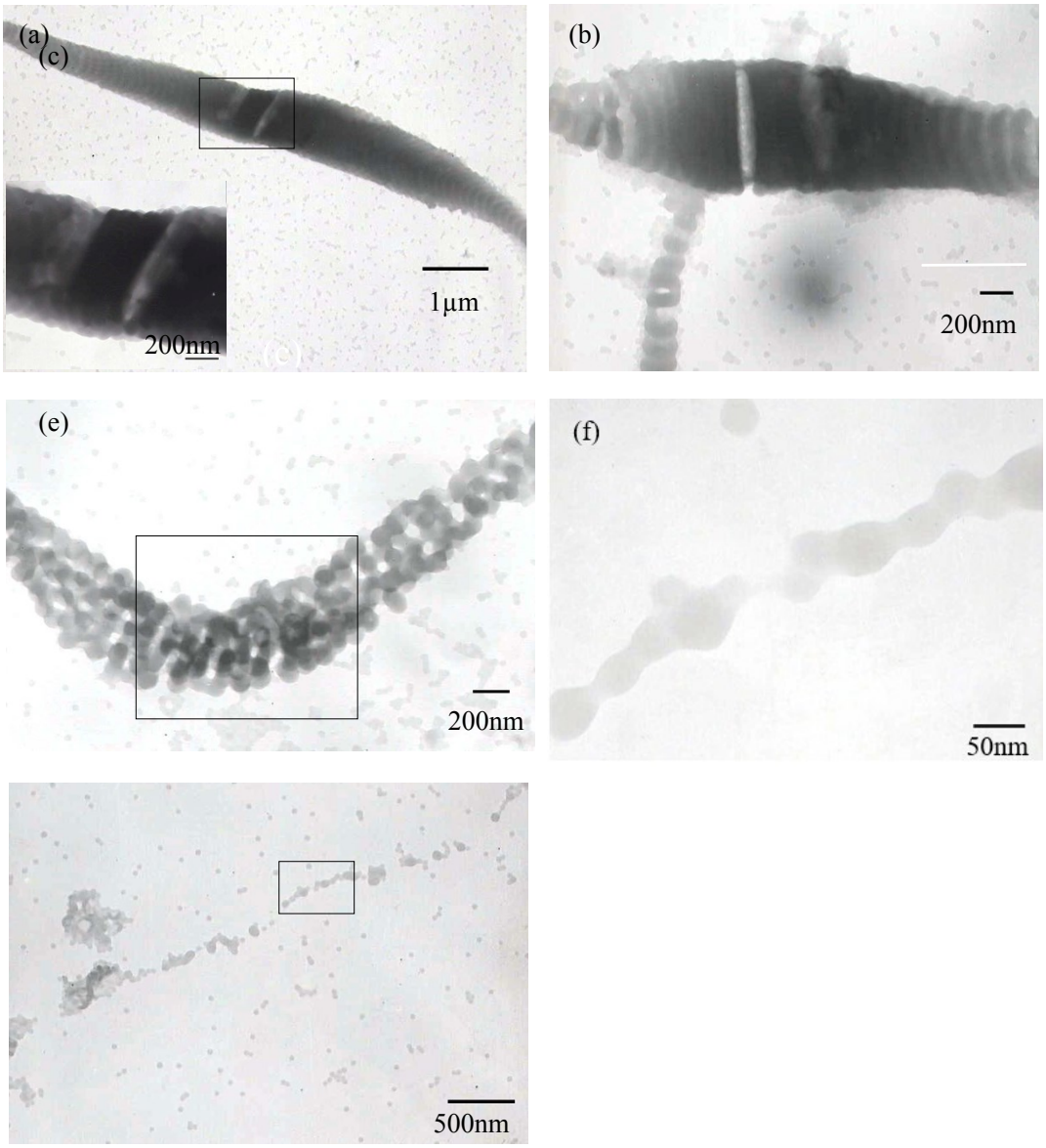

Figure S4. Intermediate structures captured at different temperatures from the PS_{720}-*b*-$P2VP_{200}$-*b*-PEO_{363} in THF/water: (**a**) and (**b**) 30°C, insert picture is the local magnification; (**c**) 40°C; (**d**) is the local magnification of (c); (**e**) 55°C; (**f**) is the local magnification of (e). The initial copolymer concentration is 1.0 wt %, water concentration is 13 wt %.