

Supporting Information for:

Thermal Response of DNA Supramolecular Polymers Assembled with Hydrophobic Sticky Ends

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Contents: Figures S1-S3.

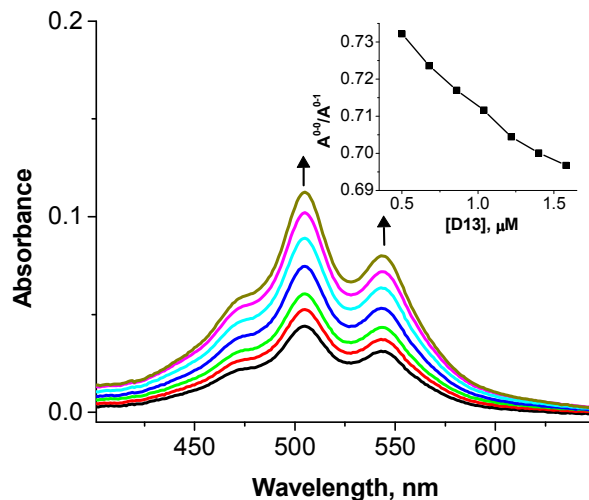


Figure S1. Concentration dependence of the absorption spectrum of PDI conjugate **D13** (0.5 to 1.5 μM) in 10 mM phosphate buffer (pH 7.2) containing 0.1 M NaCl at 20 °C. Inset shows the concentration dependence of the ratio $A^{0.0}/A^{0.1}$.

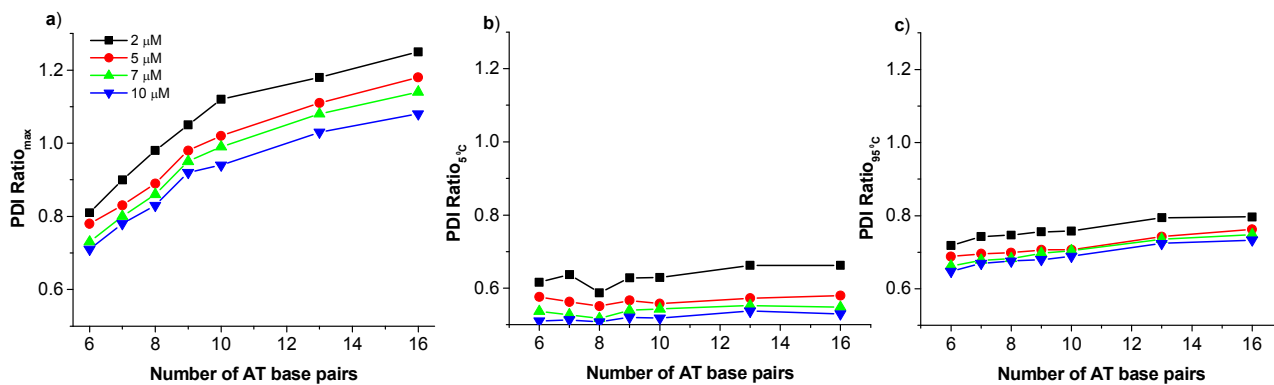


Figure S2. Dependence of the PDI band intensity ratio $A^{0.0}/A^{0.1}$ on the number of intervening base pairs at dumbbell concentrations of 2, 5, 7 and 10 μM in 10 mM phosphate buffer (pH 7.2) containing 0.1 M NaCl. (a) T_{max} , (b) 5 °C, and (c) 95 °C.

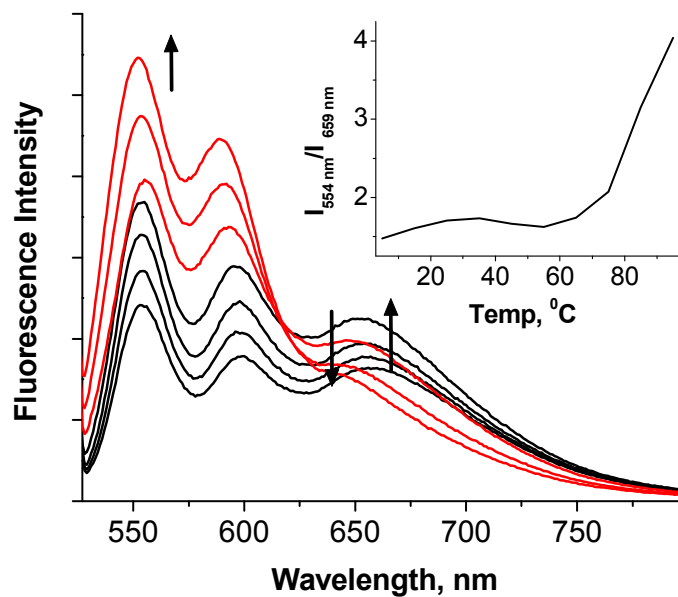


Figure S3. Temperature dependence of the fluorescence emission spectra of PDI conjugate **D13** (1 μM) in 10 mM phosphate buffer (pH 7.2) containing 0.1 M NaCl. Inset shows the ratio of fluorescence intensities (I_{549}/I_{657}) versus the temperature (excitation wavelength: 505 nm).