

Supporting information

**Incorporation of D-alanine into poly(ethylene glycol) and L-
poly(alanine-co-phenyl alanine) block copolymers affects their nano
assemblies and enzymatic degradation**

Min Kyung Joo, Du Young Ko, Sun Jung Jeong, Min Hee Park, Usha Pramod Shinde,
and Byeongmoon Jeong*

Fig. S1. The ellipticity of the PEG-PAF at 222 nm as a function of the mole fraction of the D-NCA-A in the feed. $f_D = \text{D-NCA-A}/(\text{D-NCA-A} + \text{L-NCA-A})$.

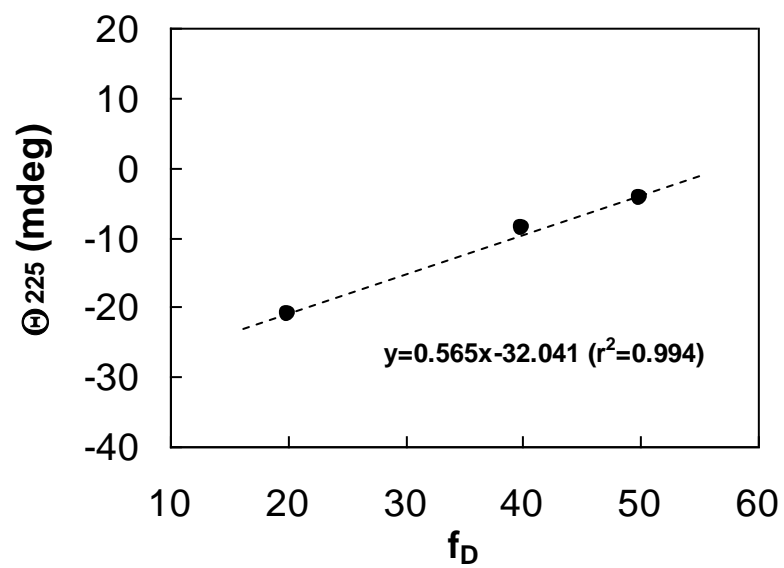


Fig. S2. DSC thermogram of PEG (2,000 Daltons).

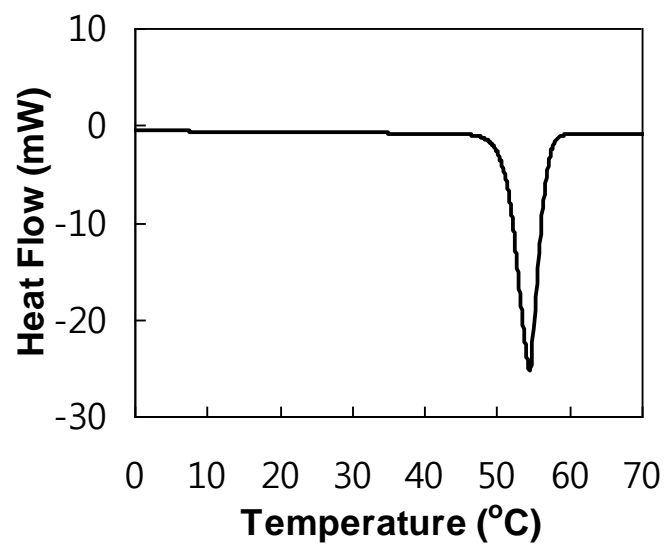


Fig. S3. Circular dichroism spectra of PII and PIV aqueous solutions at 15 °C as a function of concentration. Polymer aqueous solutions of 0.001, 0.005, 0.01, 0.05, and 0.10 wt % were used for each polymer. Enlarged spectra (insert) are also shown for the lower concentrations of 0.001, 0.005, and 0.01 wt.%.

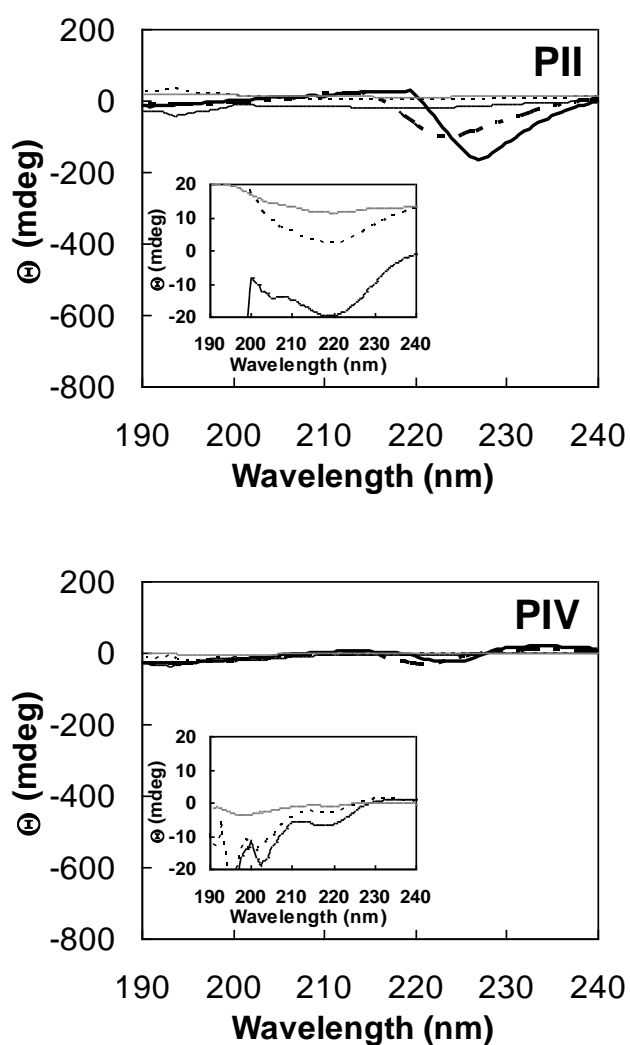


Fig. S4. Circular dichroism spectra of PII and PIV aqueous solutions (0.01 wt.%) as a function of temperature.

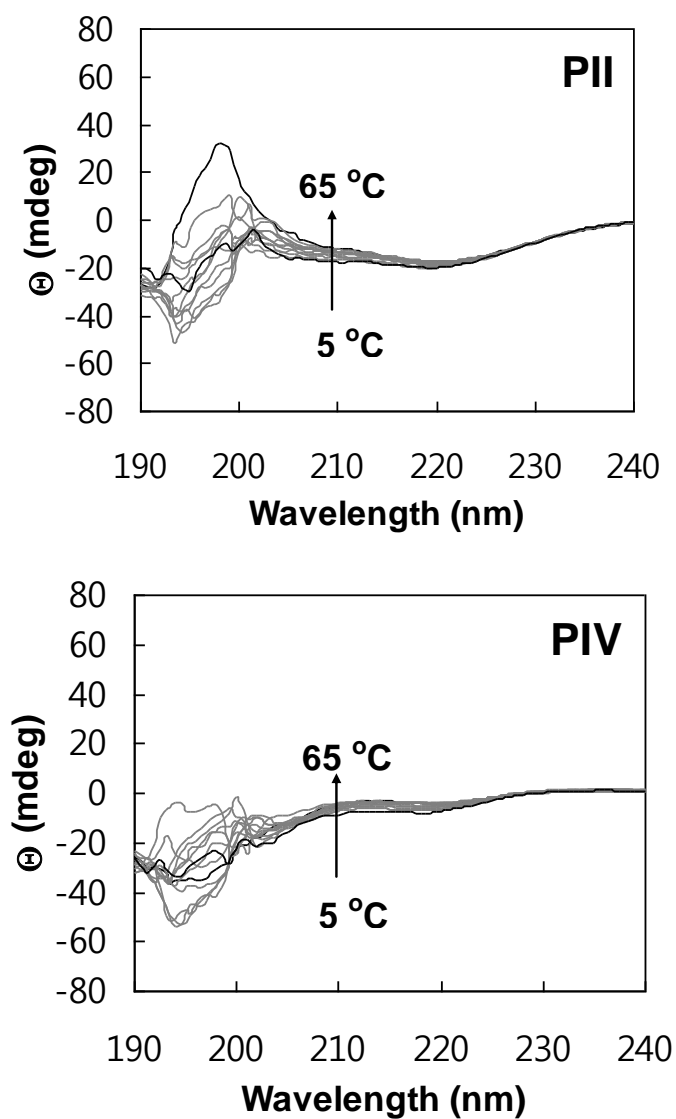


Fig. S5. FTIR spectra of PII, PIII, and PIV aqueous solutions (18.0 wt.%) in D₂O as a function of temperature.

