Supporting Information for:
DOI:10.1002/marc.201100814

Synthesis of \(\beta\)-Cyclodextrin Containing Copolymer via ‘Click’ Chemistry and Its Self-Assembly in the Presence of Guest Compounds

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Scheme S1. Synthesis of PEG-b-P[Asp(PPA-CD)] by a ‘click’ chemistry approach.
Figure S1. FT-IR spectra of PEG-b-PBLA and PEG-b-P[Asp(PPA)].
Figure S2. GPC curves of (a) PEG-b-P[Asp(PPA)] and (b) PEG-b-P[Asp(PPA-CD)].
Figure S3. $^{13}$C NMR spectrum of PEG-$b$-P[Asp(PPA)] in DMSO-$d_6$. Note that the peak at about 170 ppm is due to the amide carbonyl in the copolymer.

Figure S4. Size distribution of PEG-$b$-P[Asp(PPA-CD)] in aqueous solution at various concentrations.
Figure S5. 2D-RoEys spectrum of the mixture of BA and PEG-b-PAsp(PPA-CD) with weight ratio of 20:40 in D$_2$O. The inset rectangles indicate the correlation signals between the protons of BA and copolymer.

Figure S6. $^1$H NMR spectra of PBLA, PEG-b-P[Asp(PPA-CD)], and their assemblies in various solvents.