Supplementary Information

Thermoresponsive polymer coated gold nanoparticles: From MADIX/RAFT copolymerization of N-vinylpyrrolidone and N-vinylcaprolactam to salt and temperature induced nanoparticle aggregation

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Fig. S1 $^1$H NMR spectra of PNVCL (bottom) and P(NVCL-stat-NVP) (CP5) (top), measured in D$_2$O.

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Fig. S2 Kinetic plot of ln([M]₀/[M]ₜ) vs. time in the MADIX/RAFT homo-polymerizations of N-vinylcaprolactam (NVCL)

Fig. S3 Transmittance versus temperature of solutions of CP3 in MilliQ water, 0.1 M NaCl and 1 M NaCl (heating rate 1 °C/min).