‘Isothermal’ phase transitions and supramolecular architecture changes in thermorresponsive polymers via acid-labile side-chains

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Supporting Information

Including: ^{1}H NMR of P5, P1-g-PEI and ^{13}C NMR of P5-g-PEI, and TEM of P4-g-PEI at pH 7.4 and 5.6

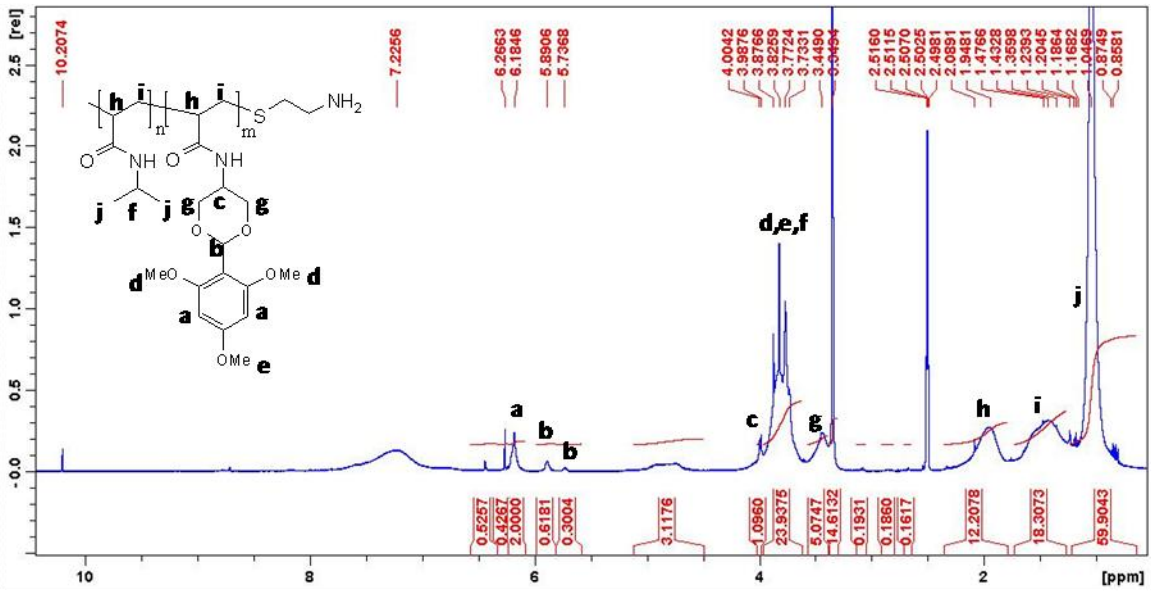

Figure S1. ^{1}H NMR of PNIPAM-*co*-TMPDA (91:9) (P5) in DMSO-d_6

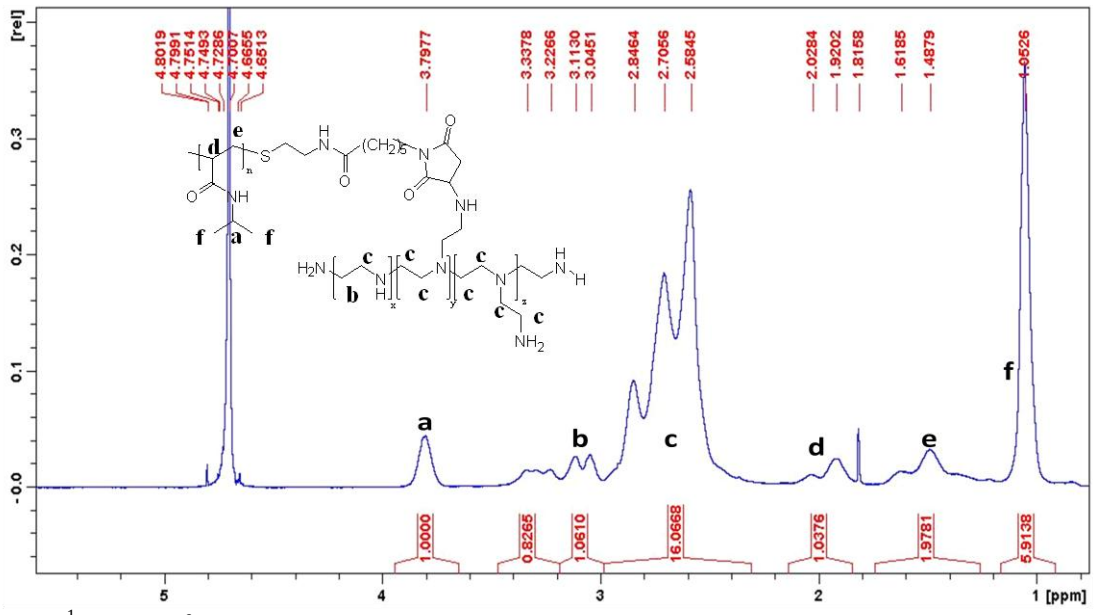

Figure S2. ^{1}H NMR of P1-g-PEI in D_2O

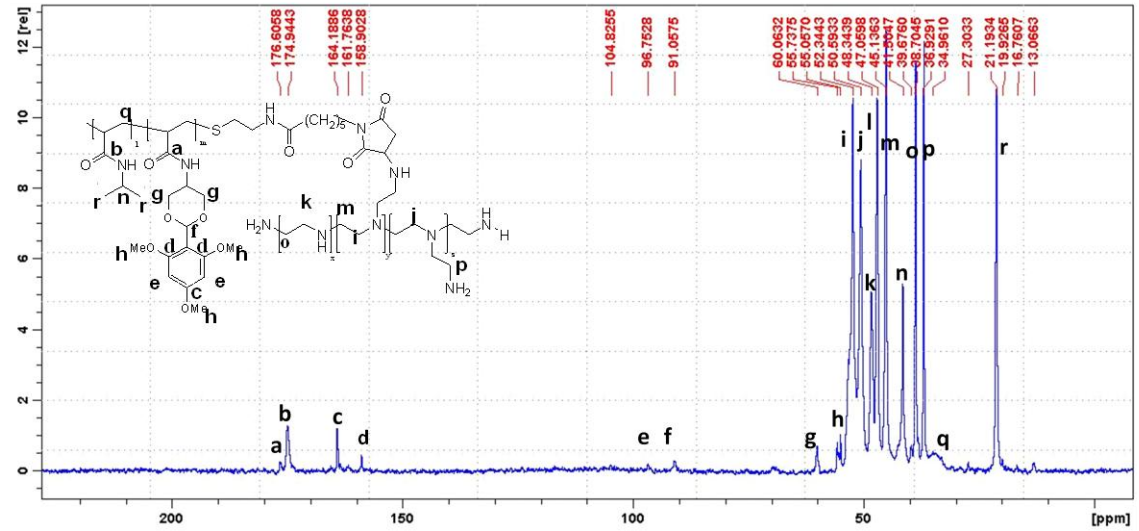

Figure S3. ^{13}C NMR spectrum of P5-g-PEI in D_2O at 10°C using a cryoprobe. Signals due to aromatic side-chains are strongly apparent owing to enhanced solvation at lower temperatures.

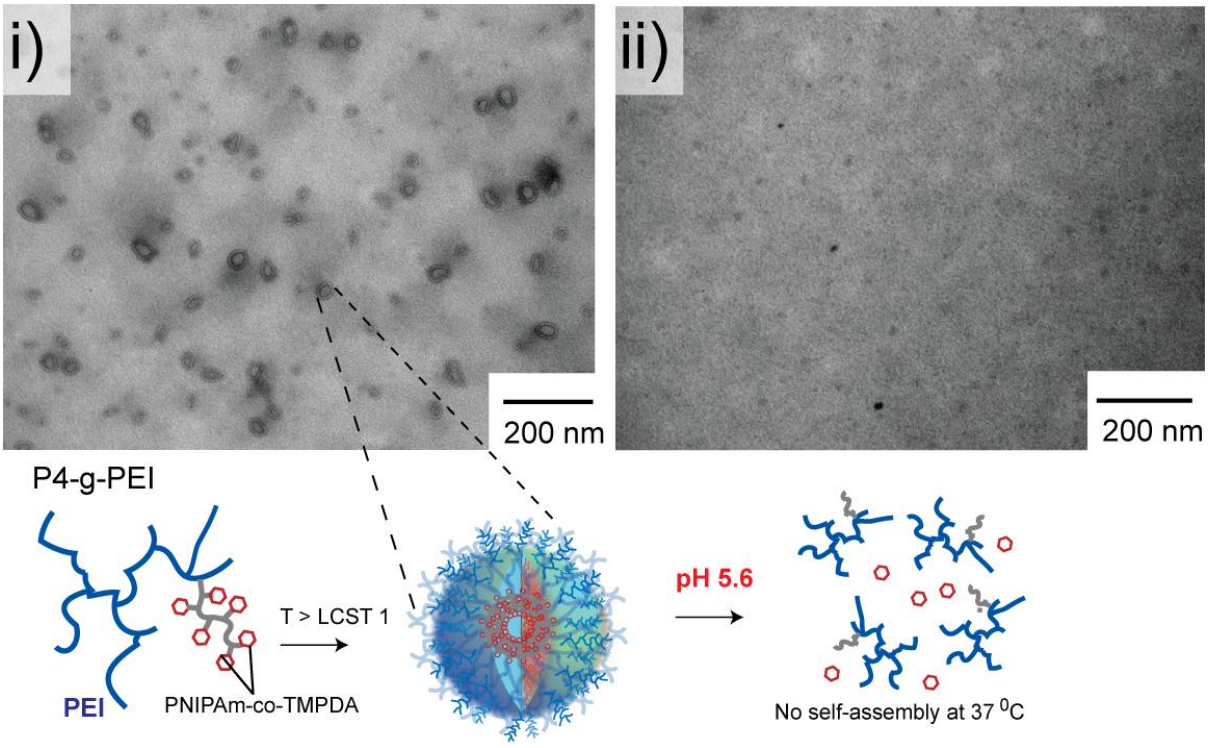

Figure S4 Transmission electron micrographs of P4-g-PEI from solutions originally at 37°C and rapidly dehydrated at 37°C. i) and ii) show P4-g-PEI at pH 7.4 and pH 5.6 respectively. Micellar-like structures present in images (i-iii) are shown in cartoons to depict postulated species present from TEM