

Supporting Information

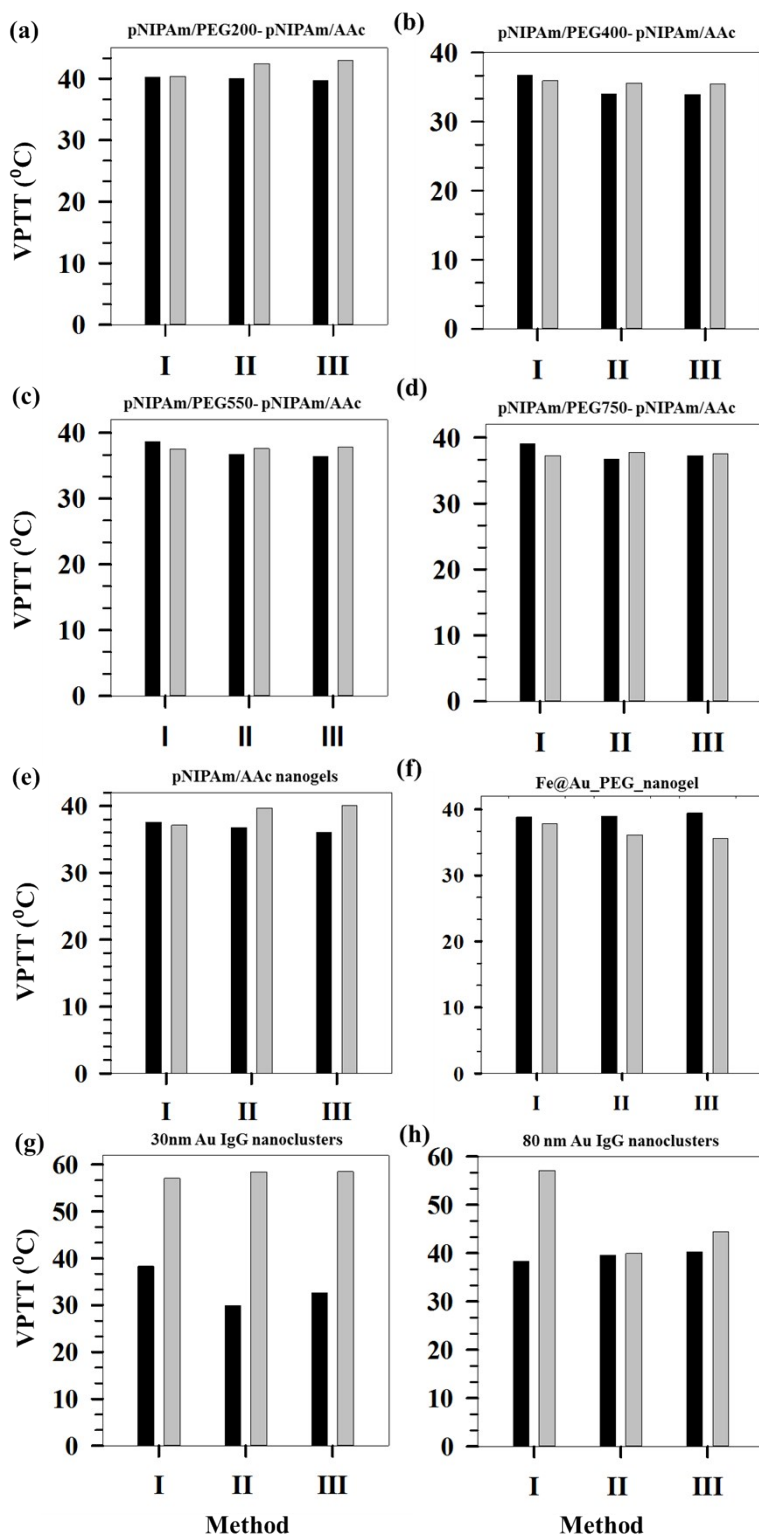


Figure S1. Heating and cooling VPTTs for different samples calculated using Method I, Method II and Method III respectively (a) pNIPAm/PEG200-pNIPAm/AAc (b) pNIPAm/PEG400-pNIPAm/AAc (c) pNIPAm/PEG550-pNIPAm/AAc (d) pNIPAm/PEG750-pNIPAm/AAc (e) pNIPAm/AAc nanogels (f) Fe@Au_PEG_nanogel (g) 30nm Au IgG nanoclusters and (h) 80nm Au IgG nanoclusters.

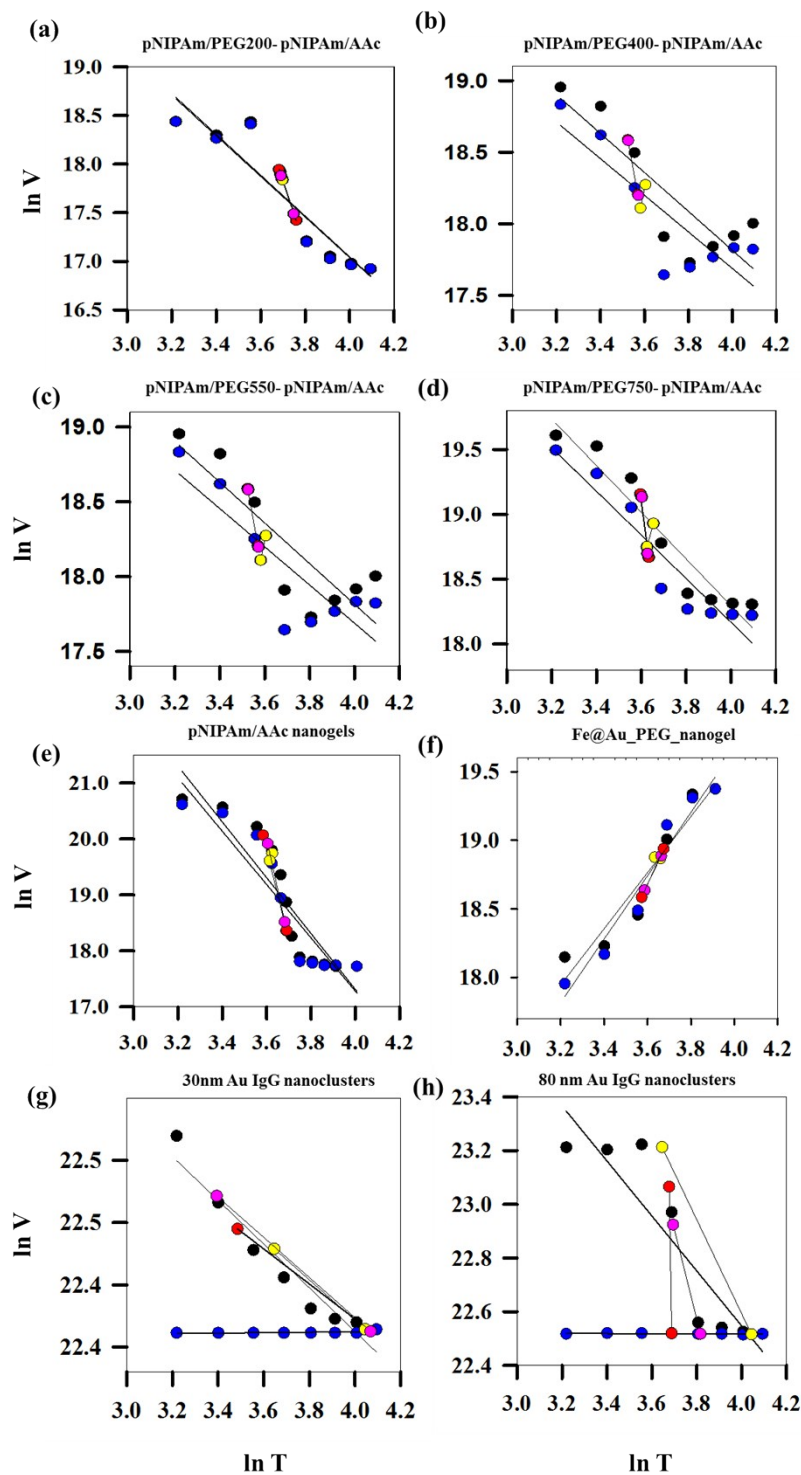


Figure S2. Regression analysis for (a) pNIPAm/PEG200-pNIPAm/AAc (b) pNIPAm/PEG400-pNIPAm/AAc (c) pNIPAm/PEG550-pNIPAm/AAc (d) pNIPAm/PEG750-pNIPAm/AAc (e) pNIPAm/AAc nanogels (f) Fe@Au_PEG_nanogel (g) 30nm Au IgG nanoclusters and (h) 80nm Au IgG nanoclusters using experimental datasets. Yellow, pink and red points refer to volumes

obtained at the calculated VPTTs for the respective systems using methods I, II and III respectively.