Supporting Information

The role of hydrophobic hydration on the LCST behaviour of POEGMA\textsubscript{300} by all-atom molecular dynamics simulation

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Fig. S1 Radial distribution functions between selected POEGMA$_{300}$ atoms and water oxygen atoms (O$_{w}$) at T < LCST (307 K, solid lines) and T > LCST (350 K, short dot lines).
Fig. S2 Time-dependent radius of gyration ($R_g$) variations of 5-, 20-, 50- and 75-mer POEGMA_{300} polymers for the whole polymer and backbone at $T<$LCST 307 K and $T>$LCST (350 K).
Fig. S3 Time-dependent number of first shell water molecules variations of 5-, 20-, 50- and 75-mer POEGMA\textsubscript{300} polymers at T<LCST (307 K) and T>LCST (350 K) for whole polymer, backbone and oligo(ethylene glycol) side chains.