

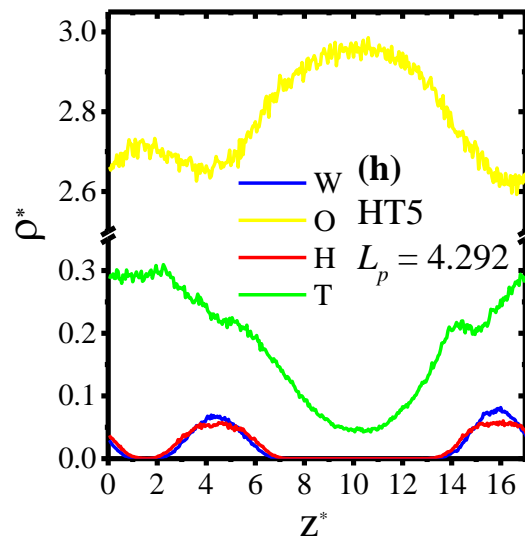
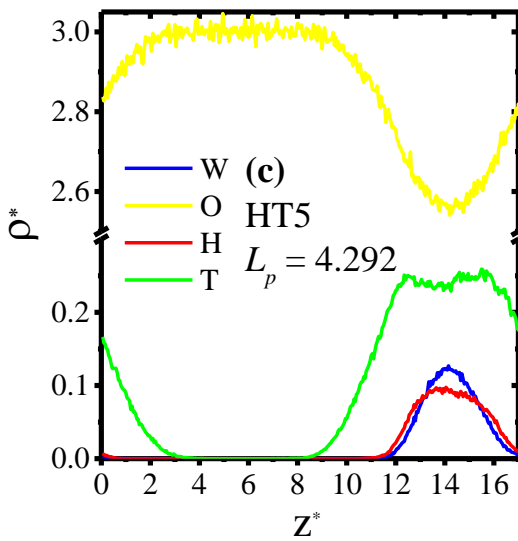
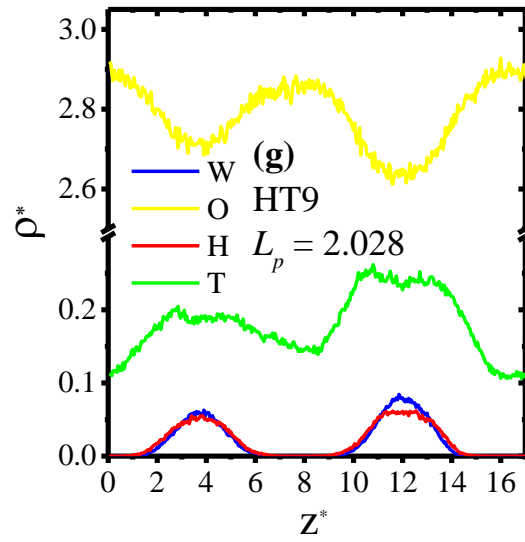
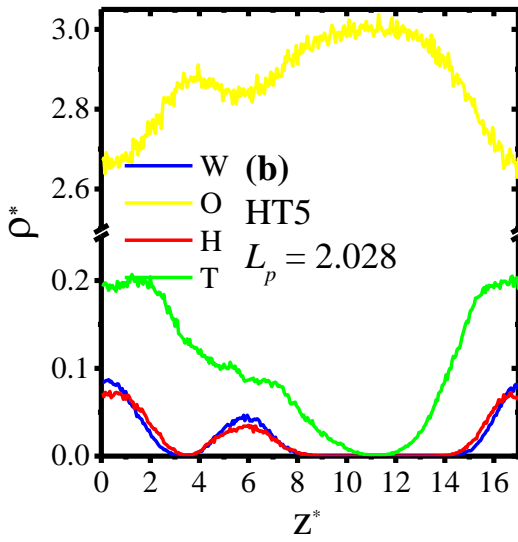
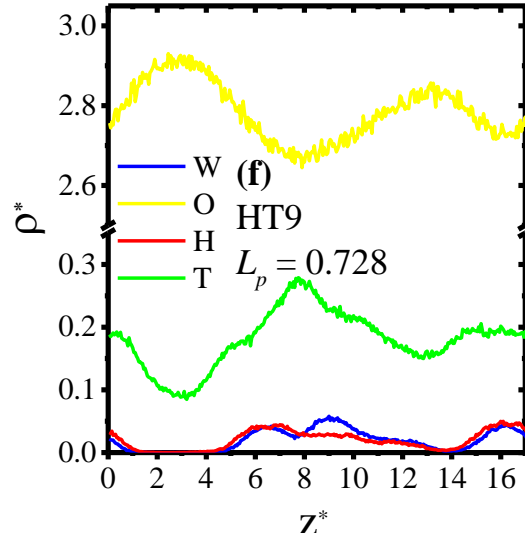
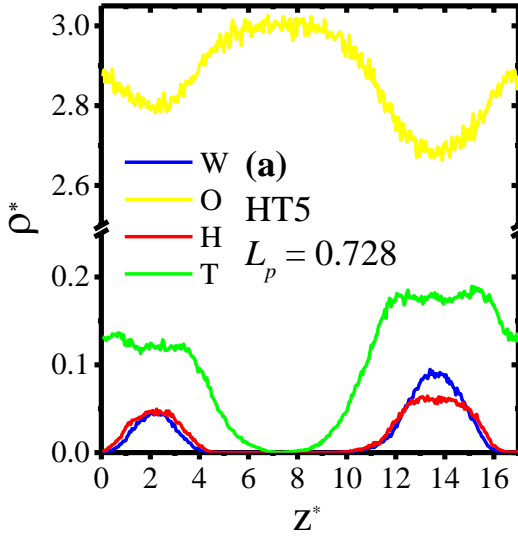
Supplementary Information for:

**The persistence length of linear surfactants modulates the self - assembly
of reverse micelles and their diffusion in nonpolar solvents**

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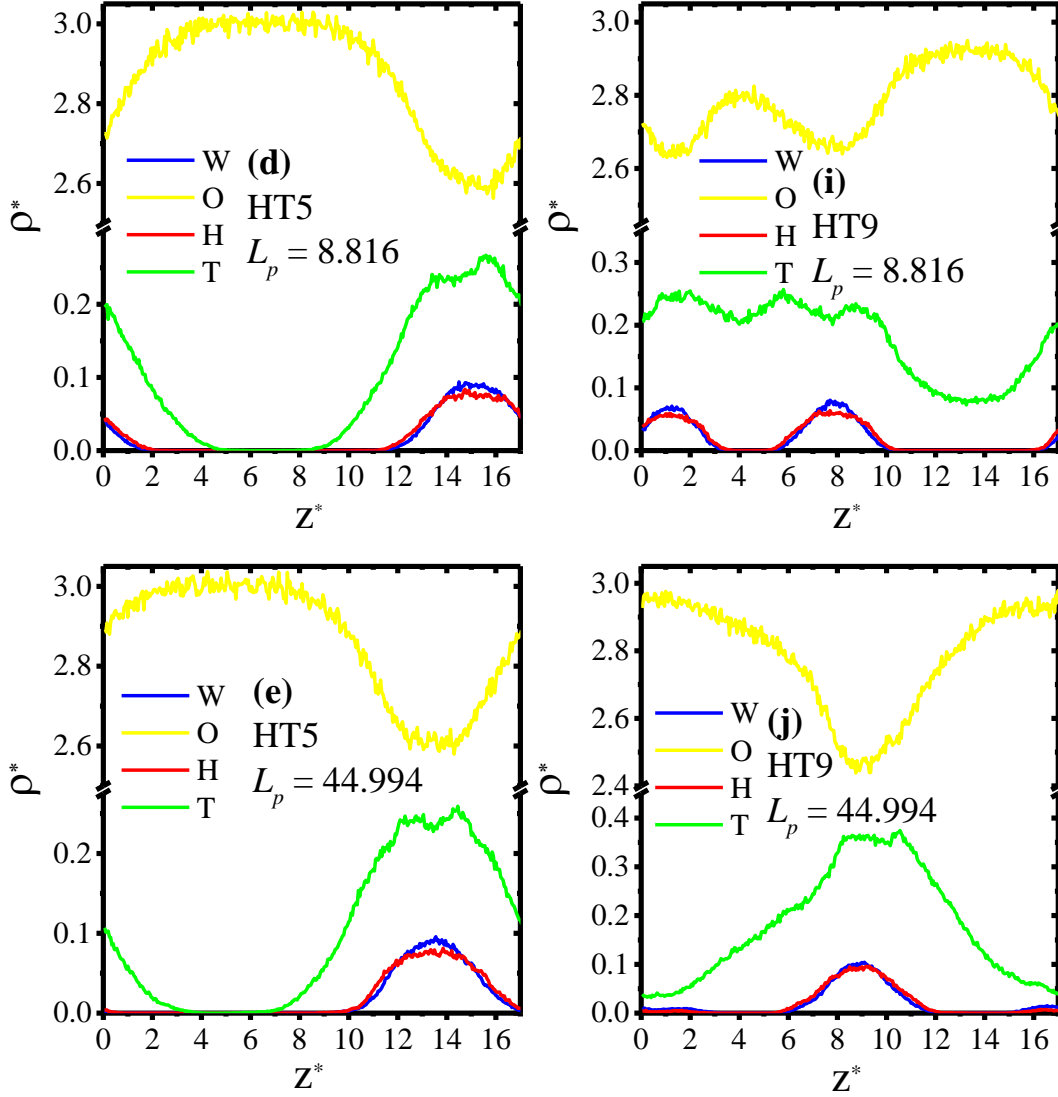
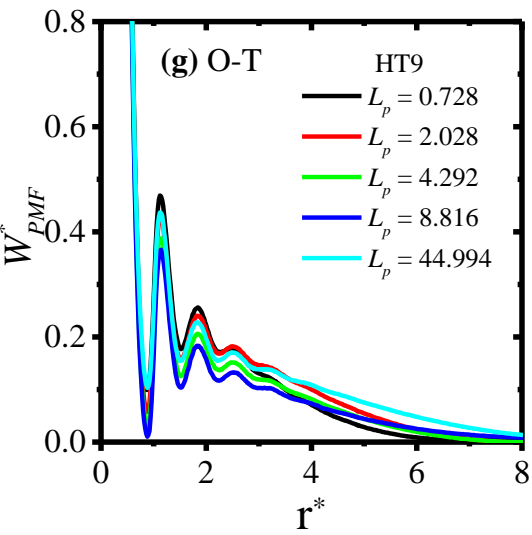
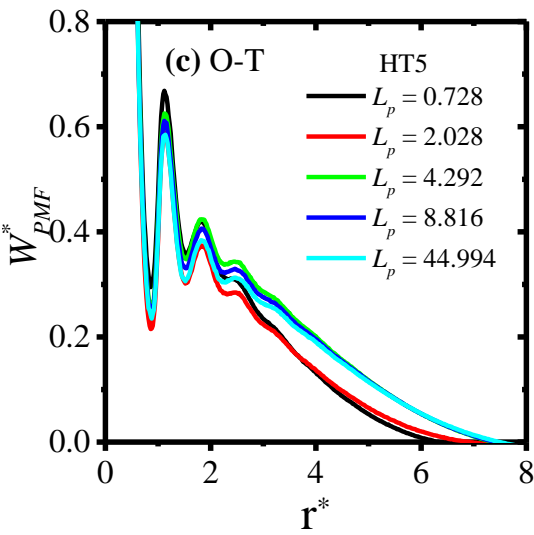
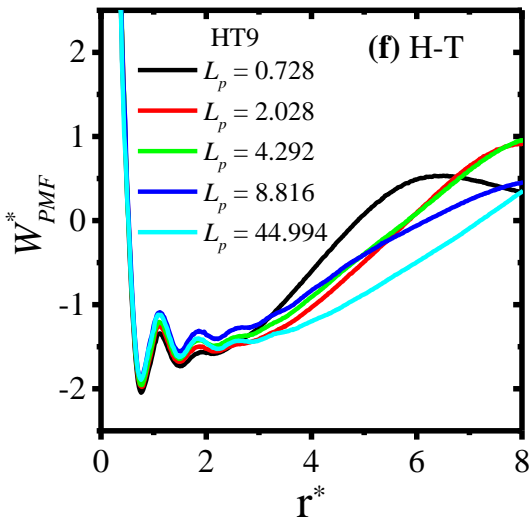
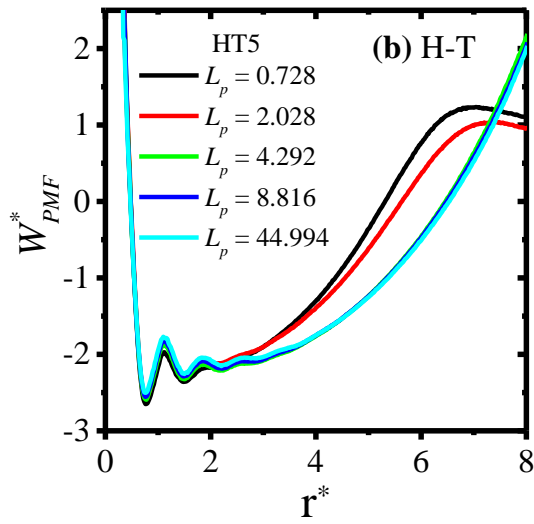
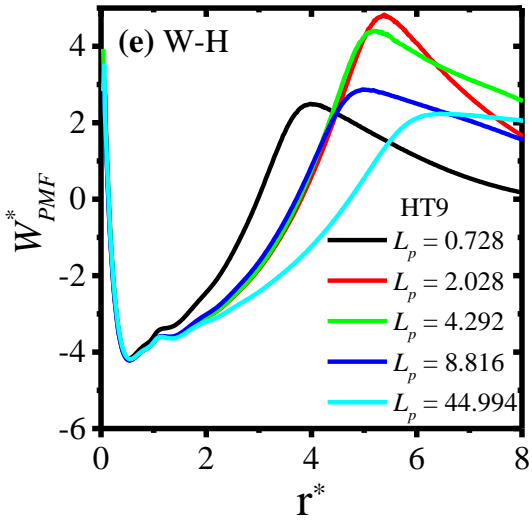
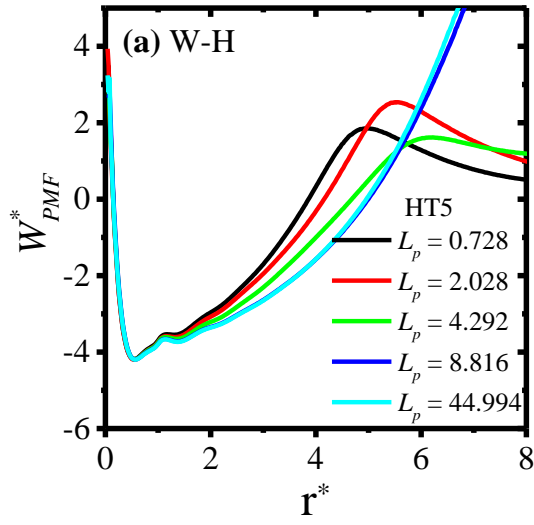


Fig. S1. Reduced density profiles of the last simulation block of the systems of surfactants HT5 (a-e) and HT9 (f-j) for each of the five different persistence length ($L_p = 0.728, 2.028, 4.929, 8,816$ and 44.994). In the density profiles, the blue, yellow, red and green curves, refer to the water (W), oil (O), surfactant heads (H) and surfactant tails (T) species, respectively. The profiles are reported in DPD reduced units.



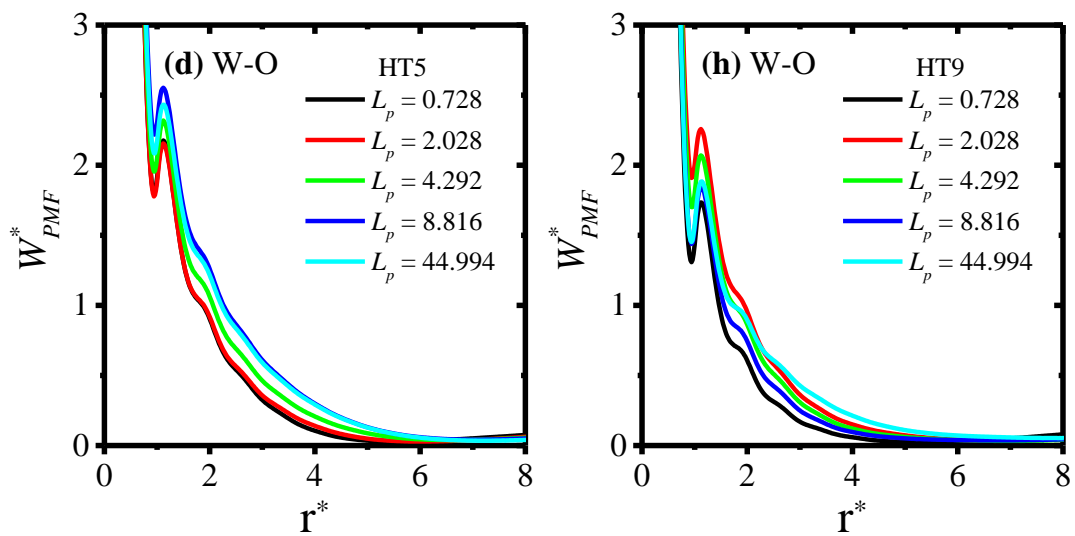


Fig. S2. Potentials of mean force (W_{PMF}^*) between water-surfactants' heads (a, e), heads-tails (b, f), oil-tails (c, g) and water-oil particles (d, h) of the systems of HT5 (a-d) and HT9 surfactants (e-h) for each of the five different persistence length ($L_p = 0.728, 2.028, 4.929, 8.816$ and 44.994 ; black, red, green, blue and cyan lines, respectively).