Phase and Self-assembly Transition Induced by Glycerol-Borax Interaction in Aqueous Surfactant Two-Phase System

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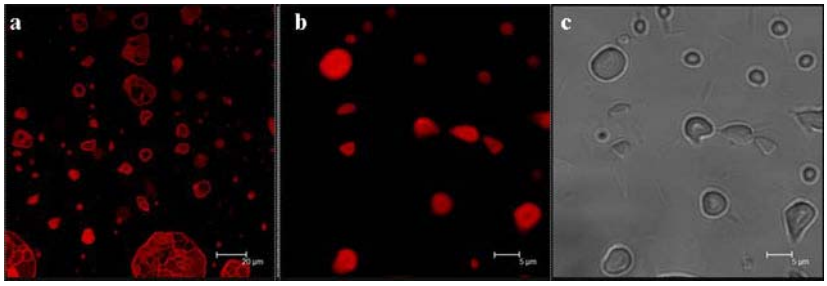

Fig. S1 (a,b):CLSM images of vesicles and membrane fragments formed from $C_{12}C_6C_{12}$(Et)/SL(3/7, C_{total} = 50 mM, 10 mM borax) in the presence of 1% glycerol. (c): Phase contrast images of (b).

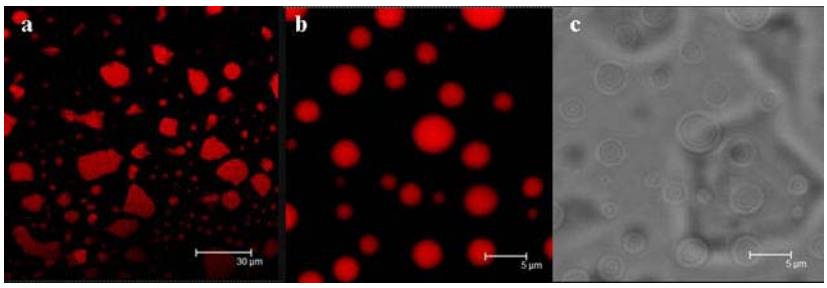

Fig. S2 (a,b):CLSM images of vesicles and membrane fragments formed from $C_{12}C_6C_{12}$(Et)/SL(3/7, C_{total} = 50 mM, 10 mM borax) in the presence of 1.2% glycerol.

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(c): Phase contrast images of (b).

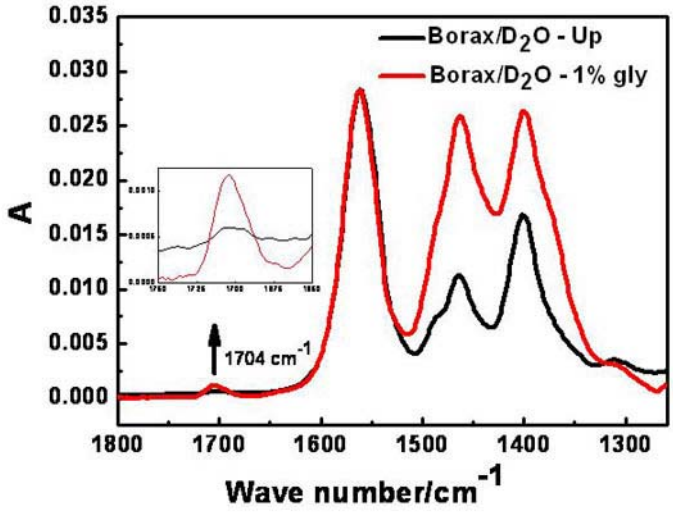

Fig. S3 ATR Infrared spectra of $C_{12}C_6C_{12}$(Et)/SL (3/7, Ct = 50 mM, 10 mM borax.) mixed system in glycerol−D_2O mixed solvents (b). Black line: the spectra for the upper surfactant rich phase without addition of glycerol; red line: after addition of 1% glycerol to the system.

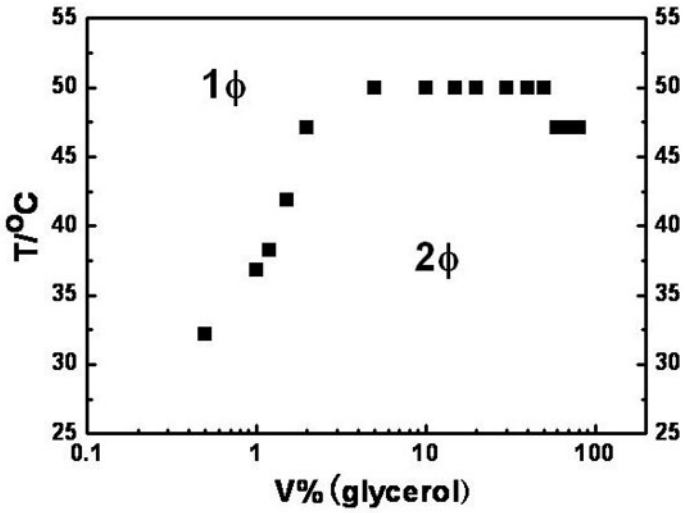

Fig. S4 Krafft points for 35 mM SL in 10 mM borax containing different amount ofglycerol.