

Electronic Supplementary Information

Enthalpy-driven self-assembly of amphiphilic Janus dendrimers into onion-like vesicles: Janus particle model

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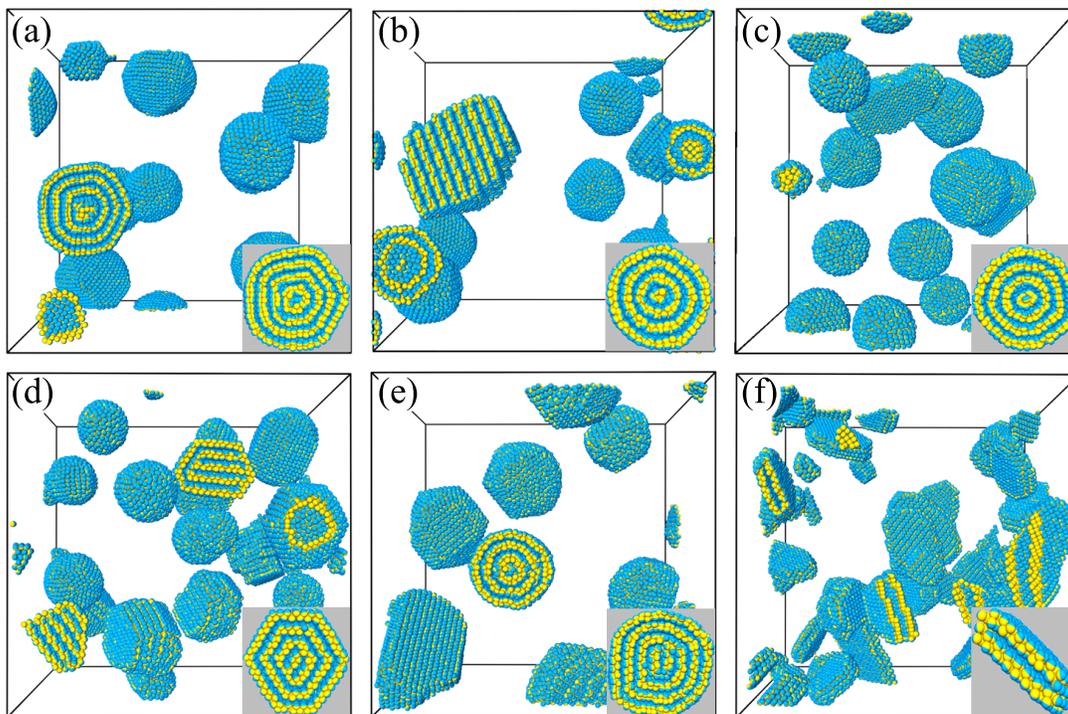


Figure S1: Snapshots of equilibrium configurations with an initial attractive interaction parameter $a_0^A =$ (a) 11.0, (b) 22.0, (c) 44.0, (d) 66.0, (e) 88.0, and (f) 110.0.

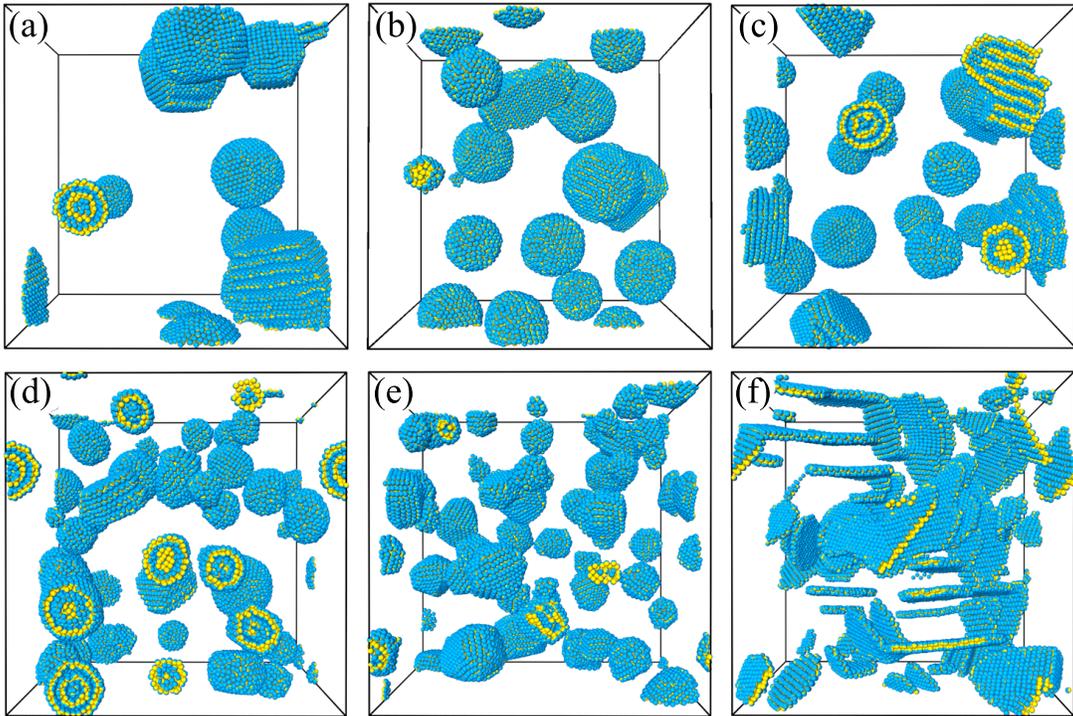


Figure S2: Snapshots of equilibrium configurations with an increasing rate of attractive interaction parameter $\hat{a}_{ij} =$ (a) 6.9×10^{-4} , (b) 1.4×10^{-3} , (c) 2.8×10^{-3} , (d) 1.1×10^{-2} , (e) 3.3×10^{-2} , and (f) 4.4×10^{-2} .

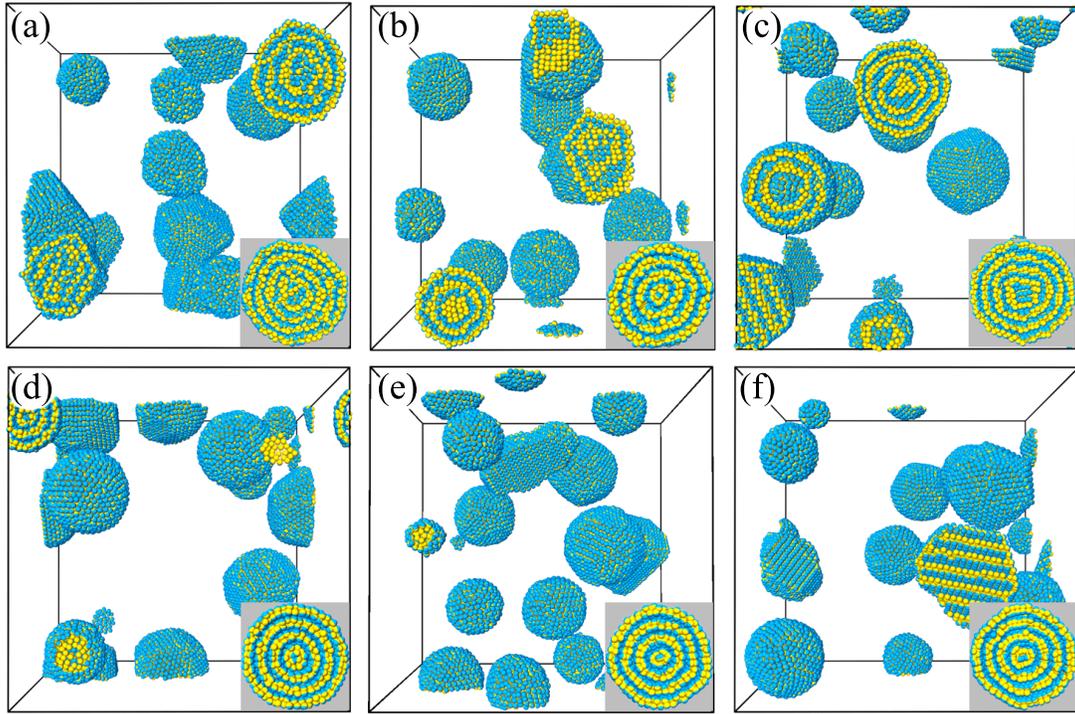


Figure S3: Snapshots of equilibrium configurations with an attractive interaction parameter $a_{ij}^A =$ (a) 88.0, (b) 110.0, (c) 132.0, (d) 154.0, (e) 176.0, and (f) 220.0.

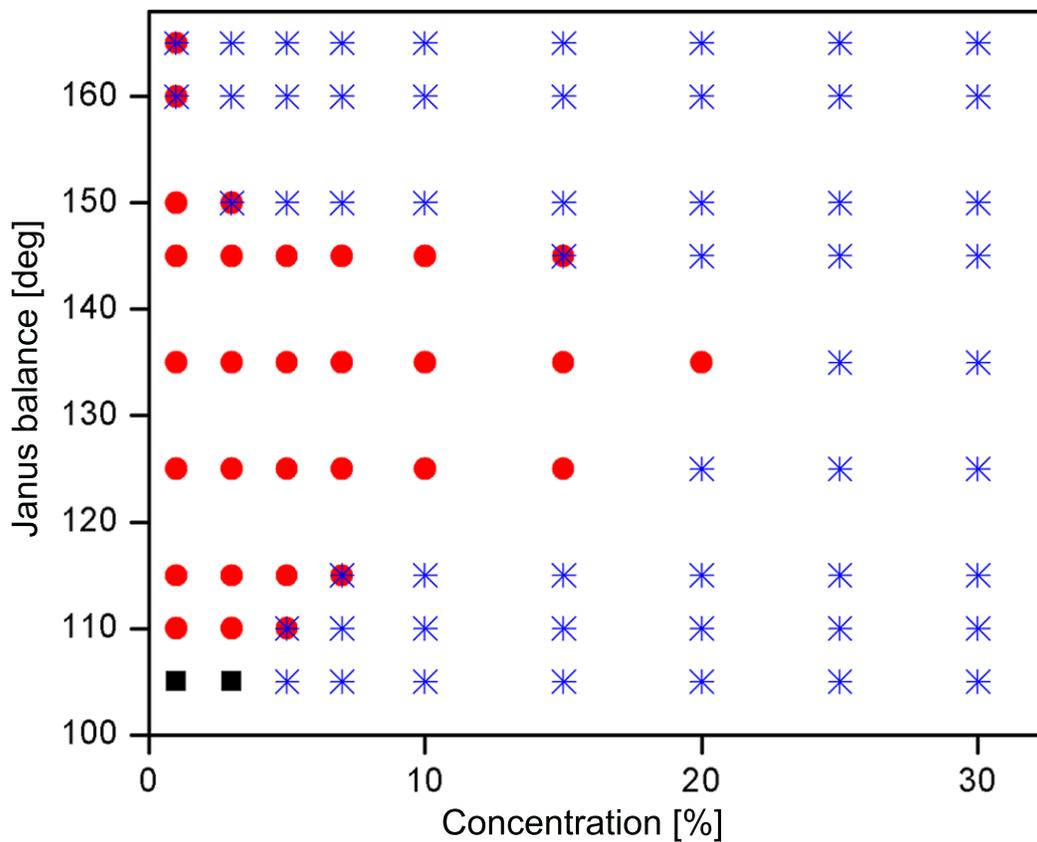


Figure S4: Phase diagram upon Janus balance and dendrimer concentration. Vesicle, linear micelle and lamellar structure are represented by red cycle, black square and blue star, respectively. The coexistence of two structures at comparable content is shown by the overlap of two symbols.

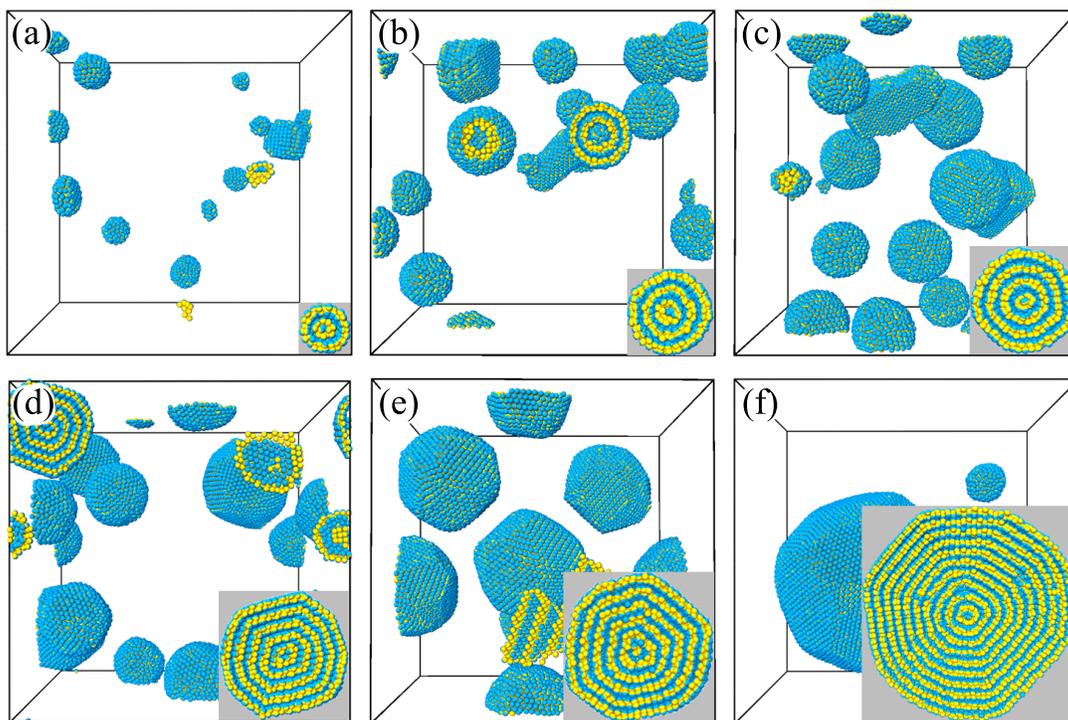


Figure S5: Snapshots of equilibrium configurations at the dendrimer concentration $c =$ (a) 1%, (b) 5%, (c) 10%, (d) 12%, (e) 15%, and (f) 20%.

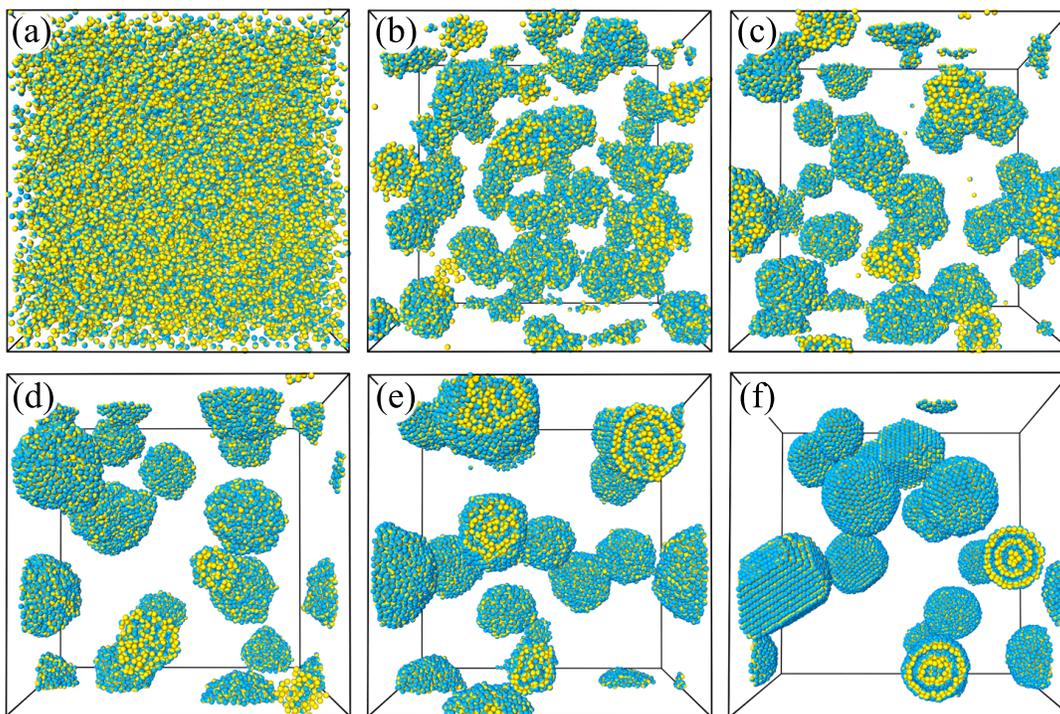


Figure S6: Snapshots of self-assembly process with $c = 10\%$ at time (a) $0.0 \mu s$, (b) $2.1 \mu s$, (c) $5.4 \mu s$, (d) $8.6 \mu s$, (e) $13.4 \mu s$, (f) $42.9 \mu s$.