

Shear-induced self-assembly of linear ABC triblock copolymers in solutions: Creation of 1D cylindrical Micellar Structures

Yang Zhou,^{*a} Chun Zhou,^{a,b} Xi He,^{a,c} Xianggui Xue,^a Wen Qian^a Shikai Luo^a and Honggang Xia^{*b}

^a Institute of Chemical Materials, Chinese Academy of Engineering and Physics, Mianyang, 621900, China;

^b School of Materials Science and Engineering, Southwest University of Science and Technology, 621010 Mianyang, China;

^c School of Mechanical and Electrical Engineering, Beijing Institute of Technology, 100081, Beijing, China.

E-mail: zhouy@caep.cn (Y.Z.)

Supporting Information

Figure Legends

Figure S1. Morphological phase diagrams of *I*-ACB vs. the different shear rate $\dot{\gamma}$ at the concentration $\phi=0.1$. Color scheme in the snapshots: A (blue), B (red), C (yellow). For clarity, block A (blue) is omitted for some micelles.

Figure S2. Morphological phase diagrams of *I*-ABC vs. the different shear rate $\dot{\gamma}$ at the concentration $\phi=0.1$. Color scheme in the snapshots: A (blue), B (red), C (yellow). For clarity, block A (blue) is omitted for some micelles.

Figure S3. Morphological phase diagrams of *I*-BAC vs. the different shear rate $\dot{\gamma}$ at the concentration $\phi=0.1$. Color scheme in the snapshots: A (blue), B (red), C (yellow). For clarity, block A (blue) is omitted for some micelles.

Figure S4. Morphological phase diagrams of *I*-ACB vs. the different shear rate $\dot{\gamma}$ at the concentration $\phi=0.2$. Color scheme in the snapshots: A (blue), B (red), C (yellow). For clarity, block A (blue) is omitted for some micelles.

Figure S5. Morphological phase diagrams of *I*-ABC vs. the different shear rate $\dot{\gamma}$ at the concentration $\phi=0.2$. Color scheme in the snapshots: A (blue), B (red), C (yellow). For clarity, block A (blue) is omitted for some micelles.

Figure S6. Morphological phase diagrams of *I*-BAC vs. the different shear rate $\dot{\gamma}$ at the concentration $\phi=0.2$. Color scheme in the snapshots: A (blue), B (red), C (yellow). For clarity, block A (blue) is omitted for some micelles.

Figure S7. Morphological phase diagrams of *I*-ACB vs. the different shear rate $\dot{\gamma}$ at the concentration $\phi=0.3$. Color scheme in the snapshots: A (blue), B (red), C (yellow). For clarity, block A (blue) is omitted for some micelles.

Figure S8. Morphological phase diagrams of *I*-ABC vs. the different shear rate $\dot{\gamma}$ at the concentration $\phi=0.3$. Color scheme in the snapshots: A (blue), B (red), C (yellow). For clarity, block A (blue) is omitted for some micelles.

Figure S9. Morphological phase diagrams of *I*-BAC vs. the different shear rate $\dot{\gamma}$ at the concentration $\phi=0.3$. Color scheme in the snapshots: A (blue), B (red), C (yellow). For clarity, block A (blue) is omitted for some micelles.

Figure S1.

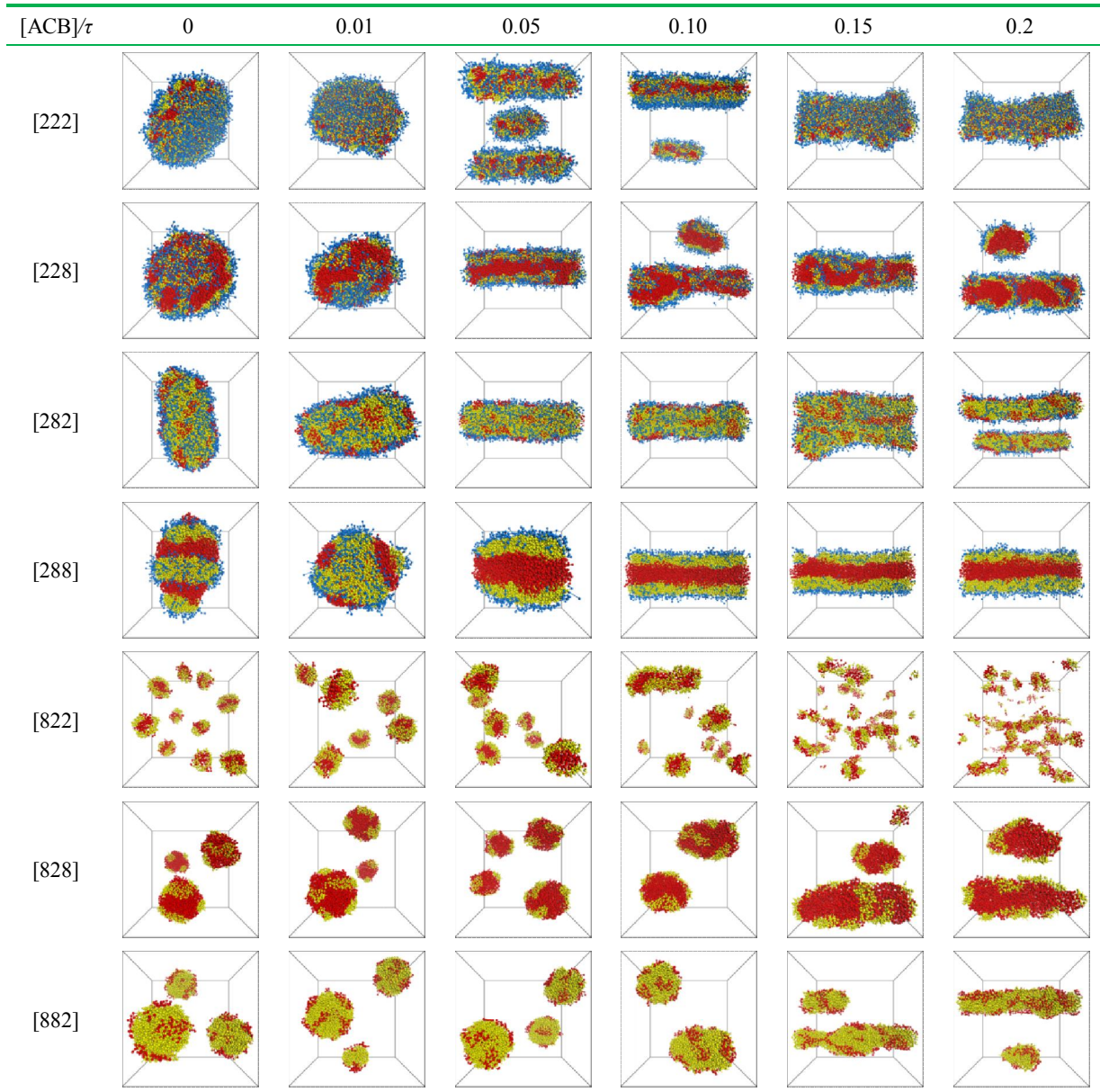
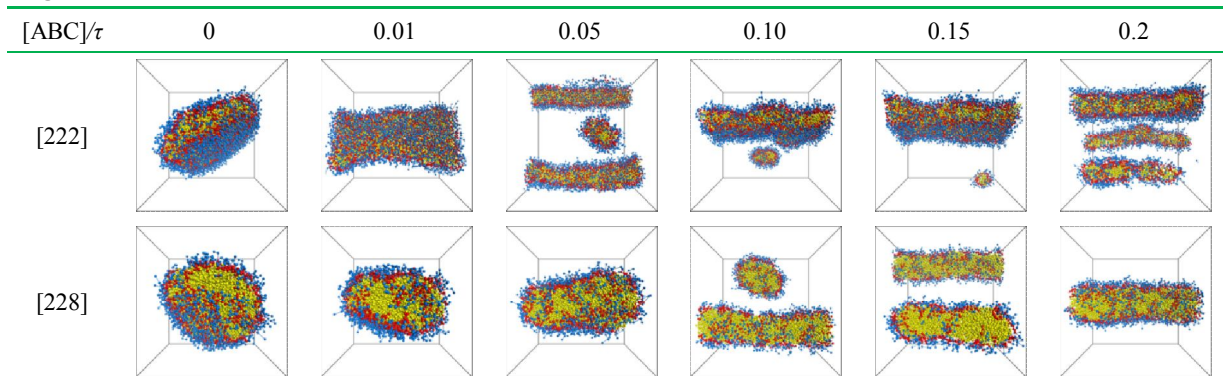


Figure S2.



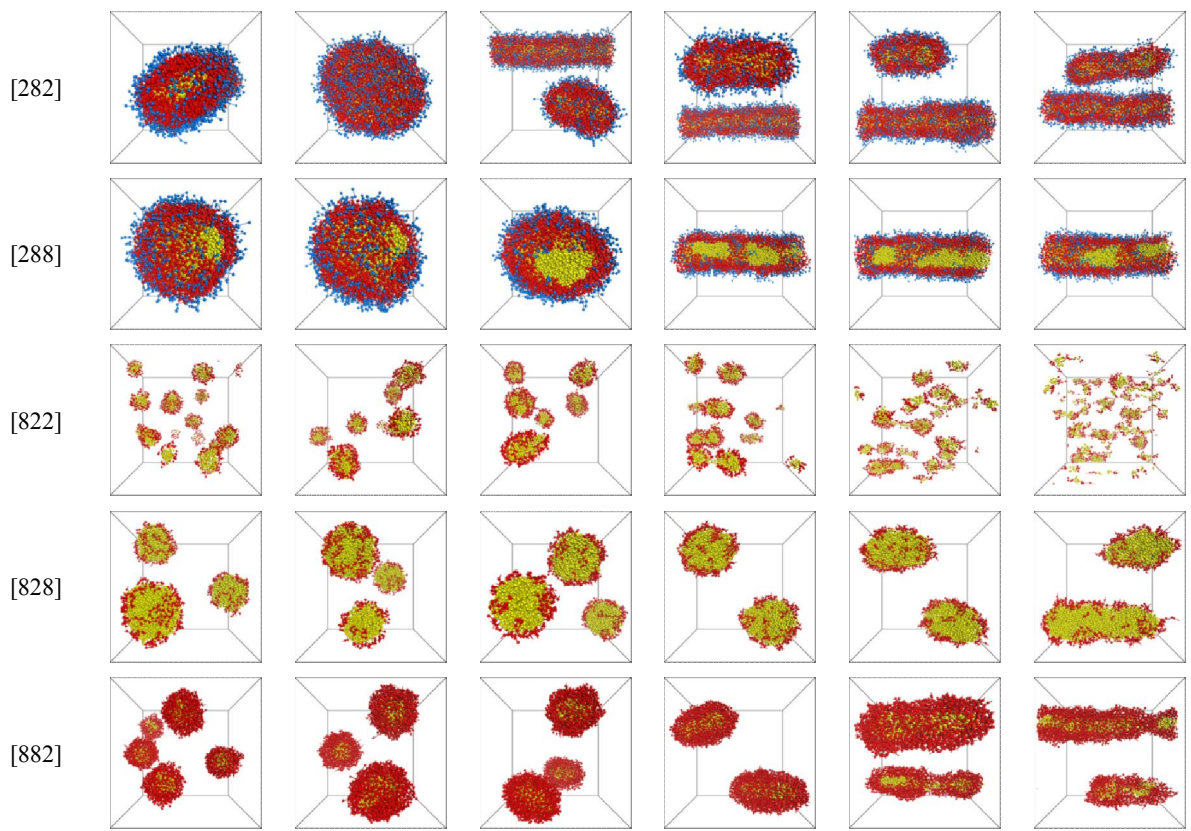
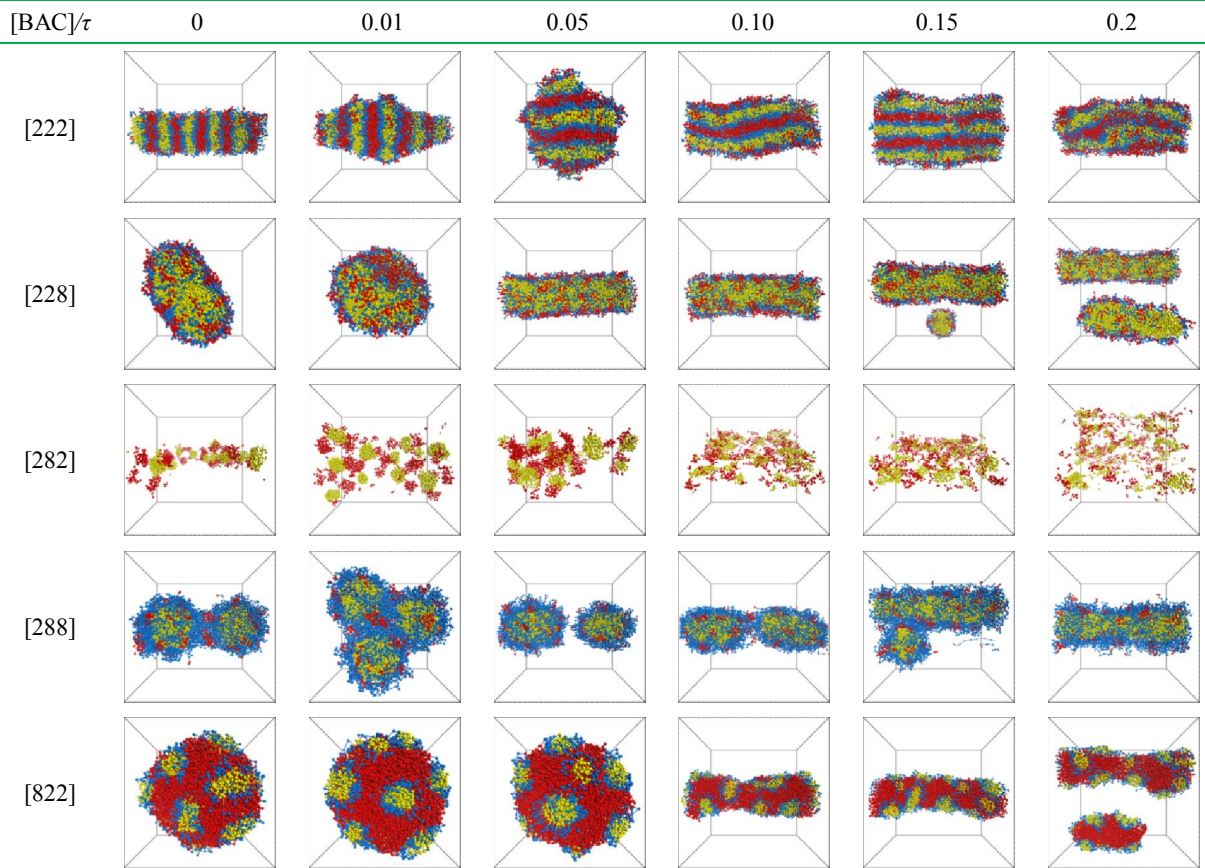


Figure S3.



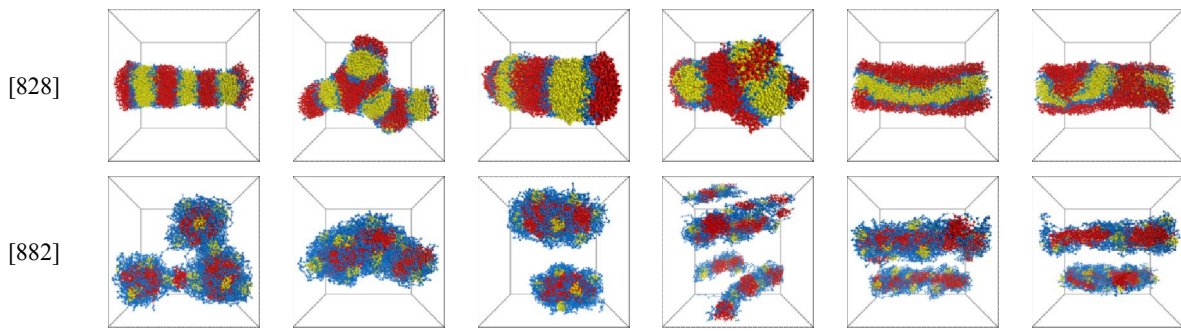


Figure S4.

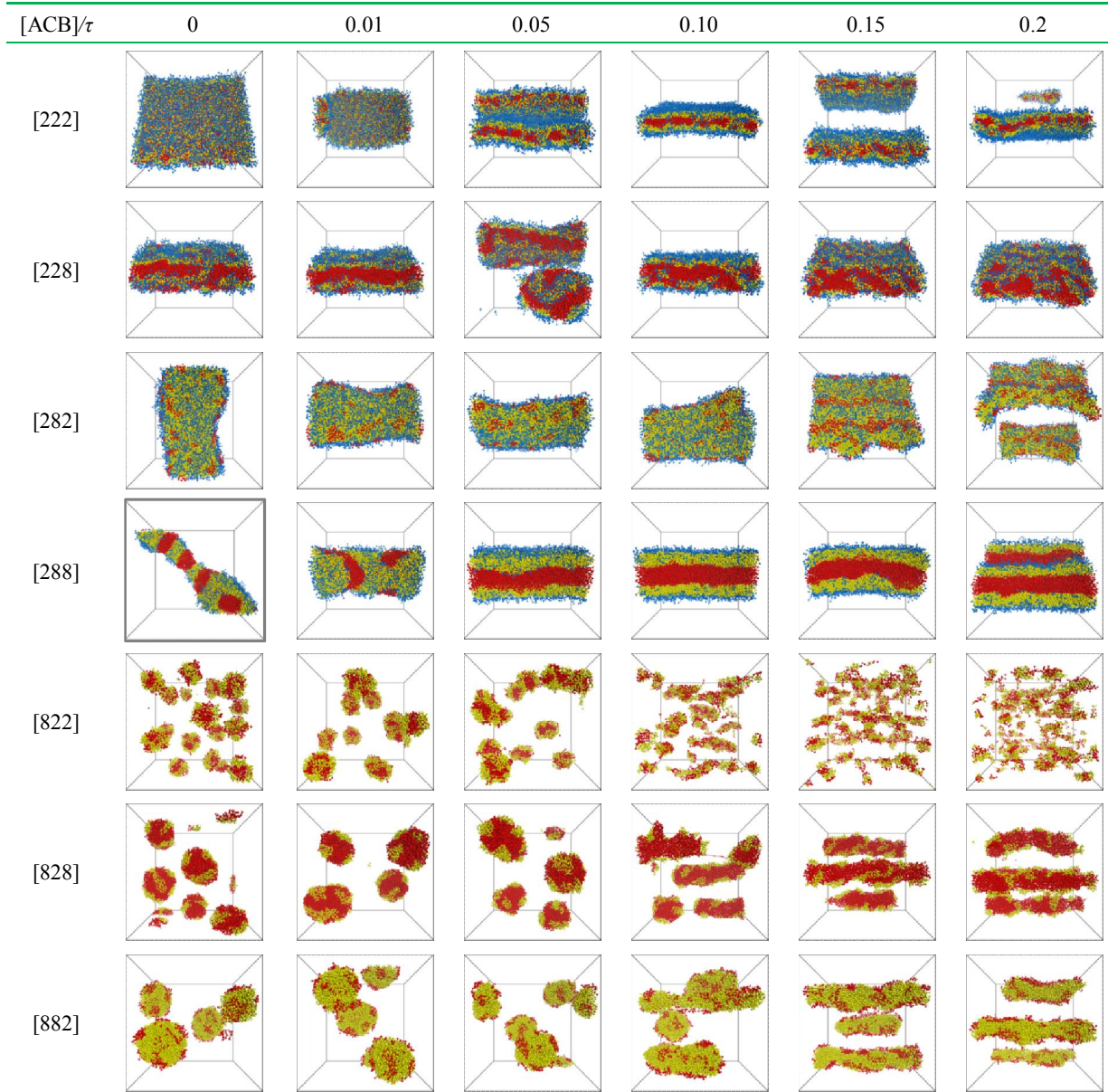
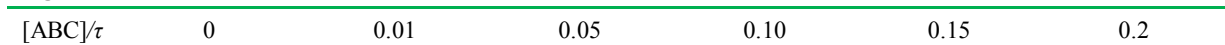


Figure S5.



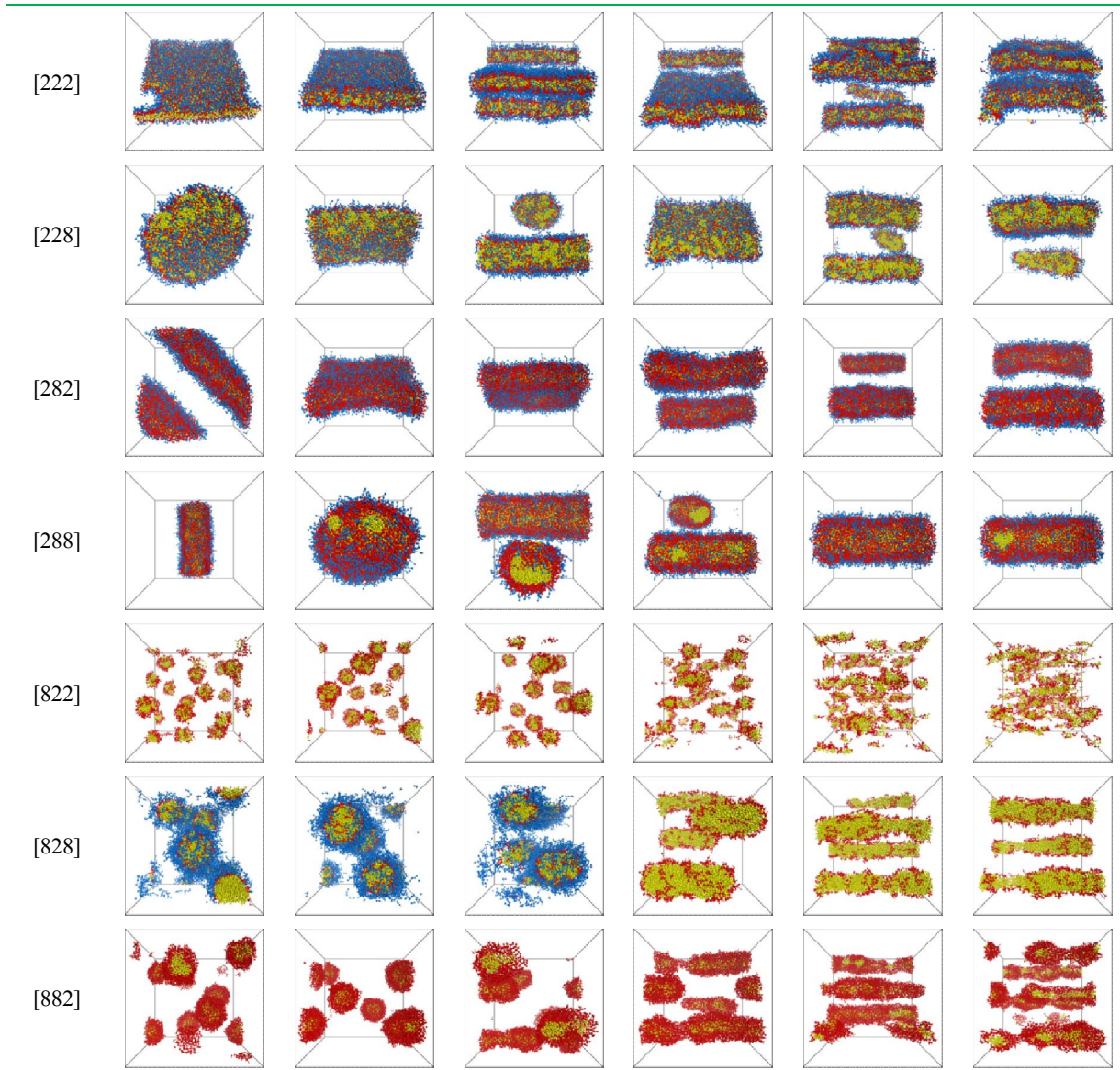
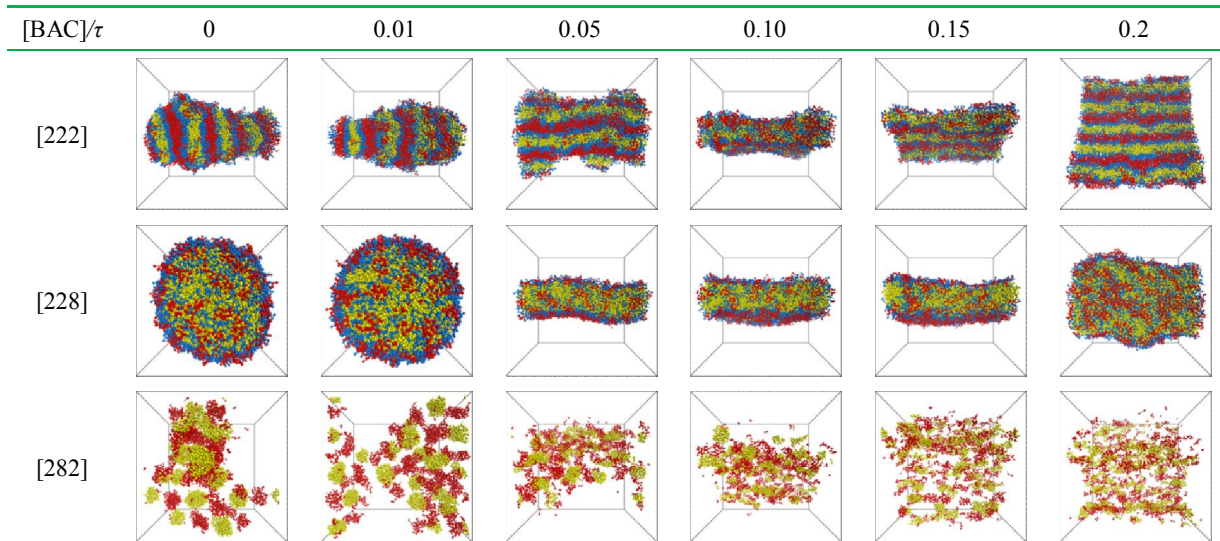


Figure S6.



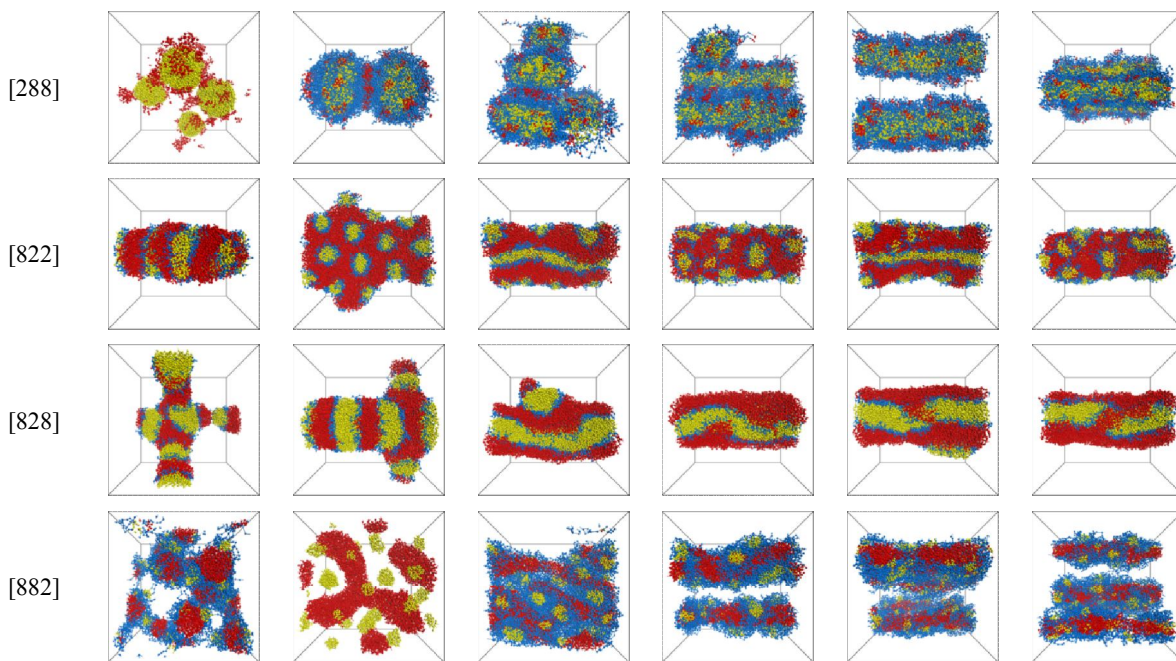
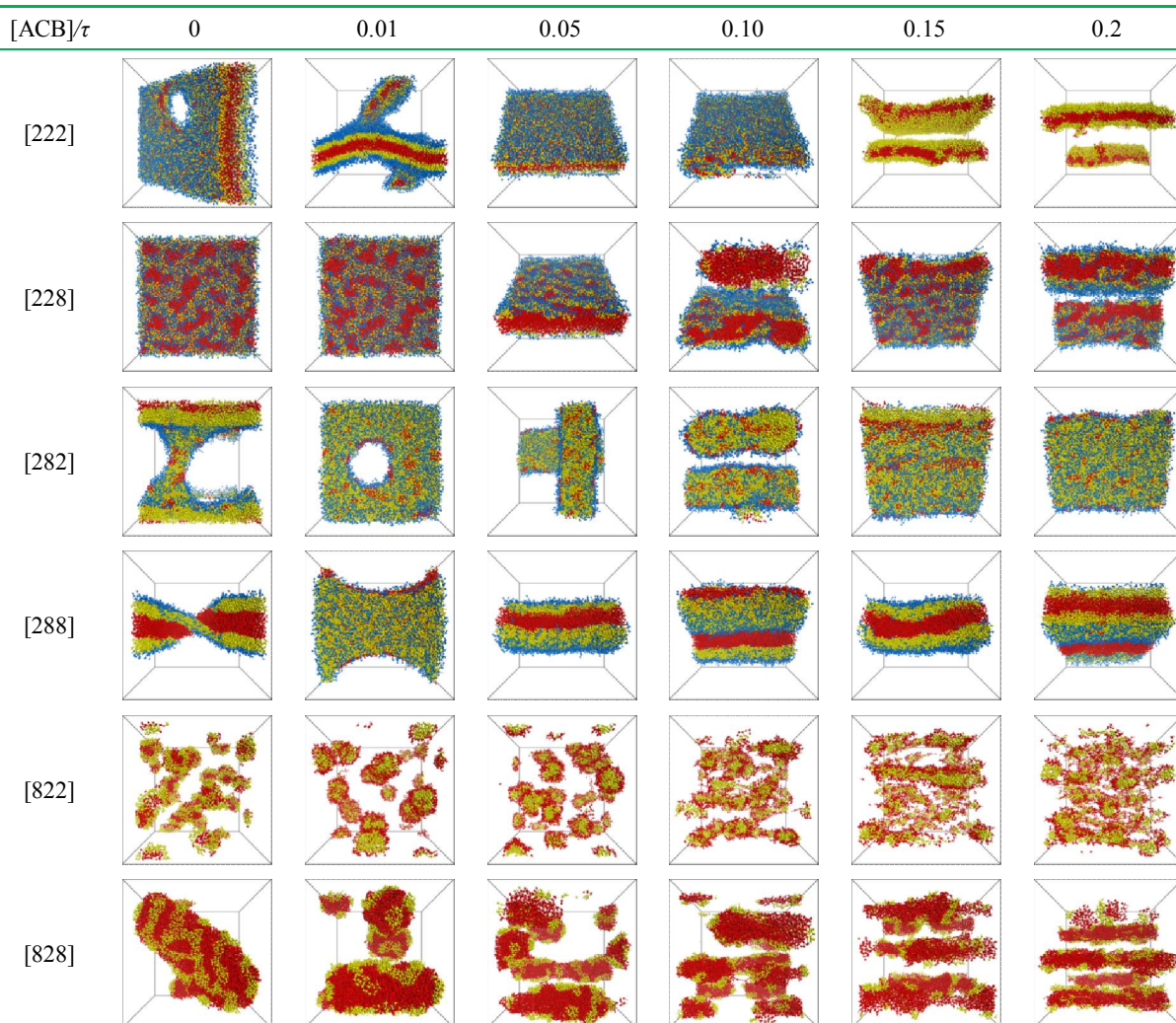


Figure S7.



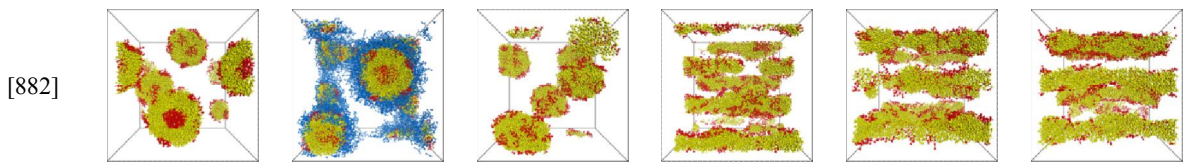


Figure S8.

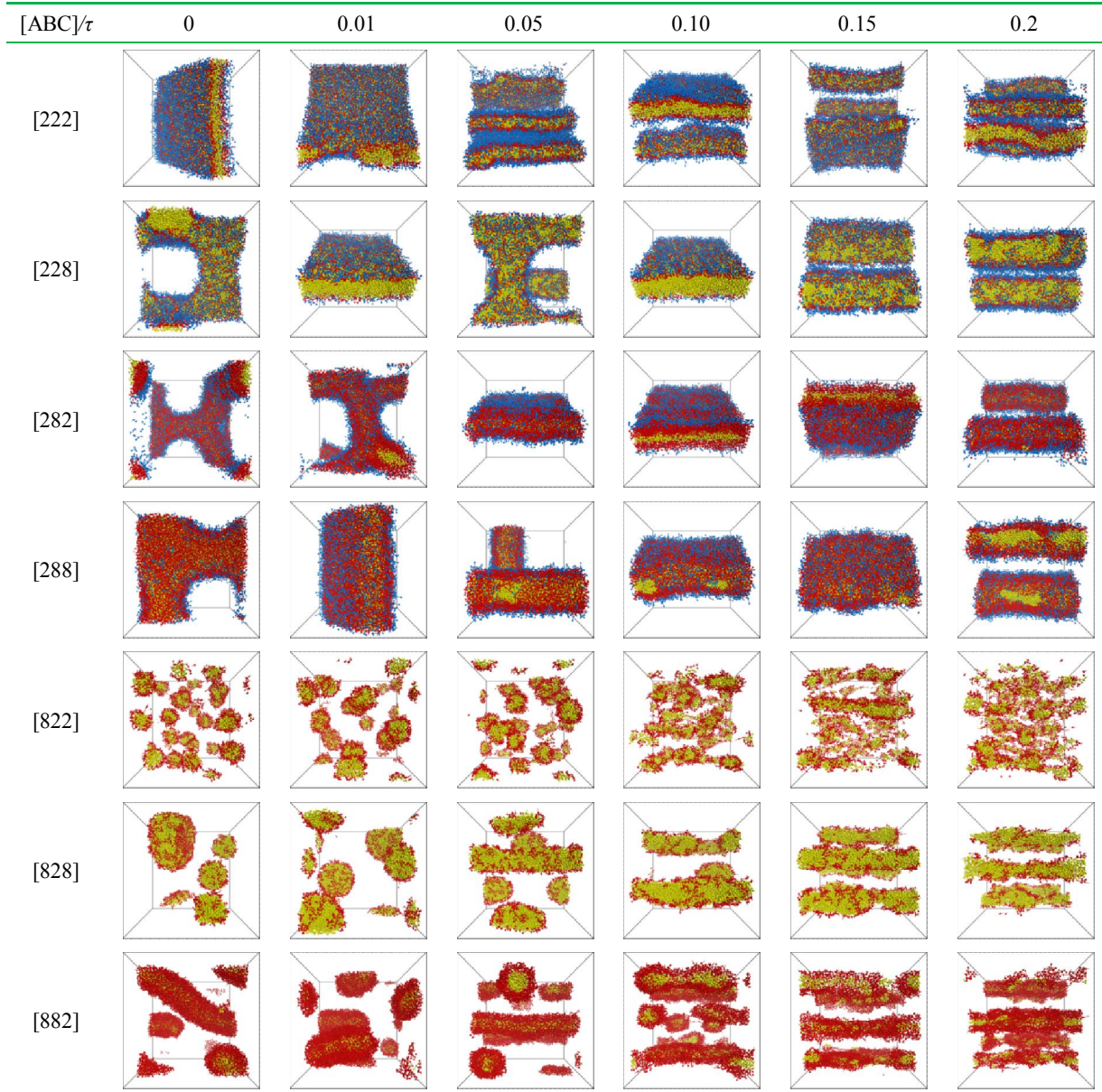


Figure S9.

