Supplementary Information for

Does Confinement Enable Methane Hydrate Growth at Low Pressures? Insights from Molecular Dynamics Simulations

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Figure S1: Main procedures of MD simulation for confined systems.



Figure S2: Snapshots from the bulk system simulation at 40 bar.



Figure S3: Variation of the potential energy of the bulk systems as a function of the NPT-MD simulation time with and without dispersion corrections at 24 bar and 271.65 K.



Figure S4: Snapshots from the bulk system simulation with dispersion corrections applied at 24 bar.



Figure S5: Variation of the pore width of the confined systems as a function of the NPT-MD simulation time at various pressures and 271.65 K.