Supporting Information

Effects of preparation method and Sm$_2$O$_3$ promoter on CO methanation of mesoporous NiO–Sm$_2$O$_3$/Al$_2$O$_3$ catalyst

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**Fig. S1.** Catalytic properties of the catalysts at 0.1 MPa, 180000 mL g⁻¹·h⁻¹: (a) CO conversion and (b) CH₄ selectivity.