Supplementary information for

Ultrathin N-rich Boron Nitride Nanosheets Supported Iron catalyst for Fischer-Tropsch Synthesis

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Fig. S1 XRD pattern (a) and TEM image (b) of Fe_2O_3 . The XRD peaks can be indexed for the diffraction peak of ferric oxide. The particle sizes of ferric oxide are 300-500 nm.



Fig.S2 TEM images of BN1 (a), BN2 (b) and BN3 (c).



Fig. S3 SAED pattern of the BNNSs framed in Fig. 3d.



Fig. S4 The contact angles of FeBN2 catalyst pre-treated at 260 °C for 6 h with syngas (a) and FeBN2 catalyst after running for 270 h (b).



Fig. S5 TEM images of catalyst after the 270 h stability test.