



**Fig. S1** Nitrogen desorption isotherms of SBA-15, mN-SBA-15, pN-SBA-15, (m)N-SBA-15 and (p)N-SBA-15. The offset in the adsorptions are indicated at  $P/P_0 = 0$ . The adsorption isotherms, which are identical to those in Fig. 1, are also shown for comparison.