

Figure S-1. SAXS patterns for SBA-15 samples aged at 130, 150 and 180 °C: **left)** mesophases and **right)** after calcination at 550 °C; the dot-line corresponds to the $q[100]$ position for the precursors that is equal for all of them.

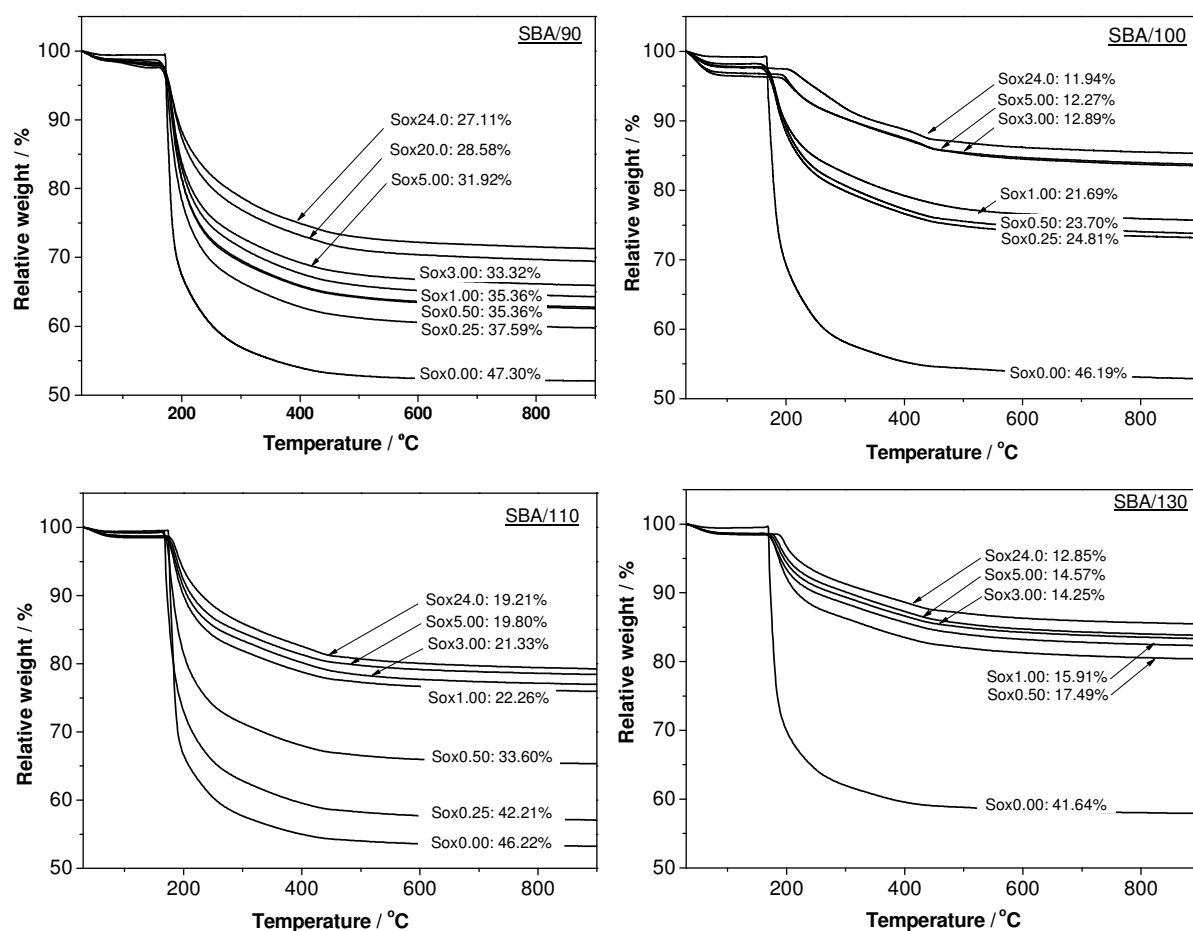


Figure S-2. TGA patterns of the template decomposition in air of the solvent extracted mesophases at various extraction times for SBA/90, /100, /110 and /130. Extraction time in hours (e.g. Sox24) and weight loss are given for each curve.

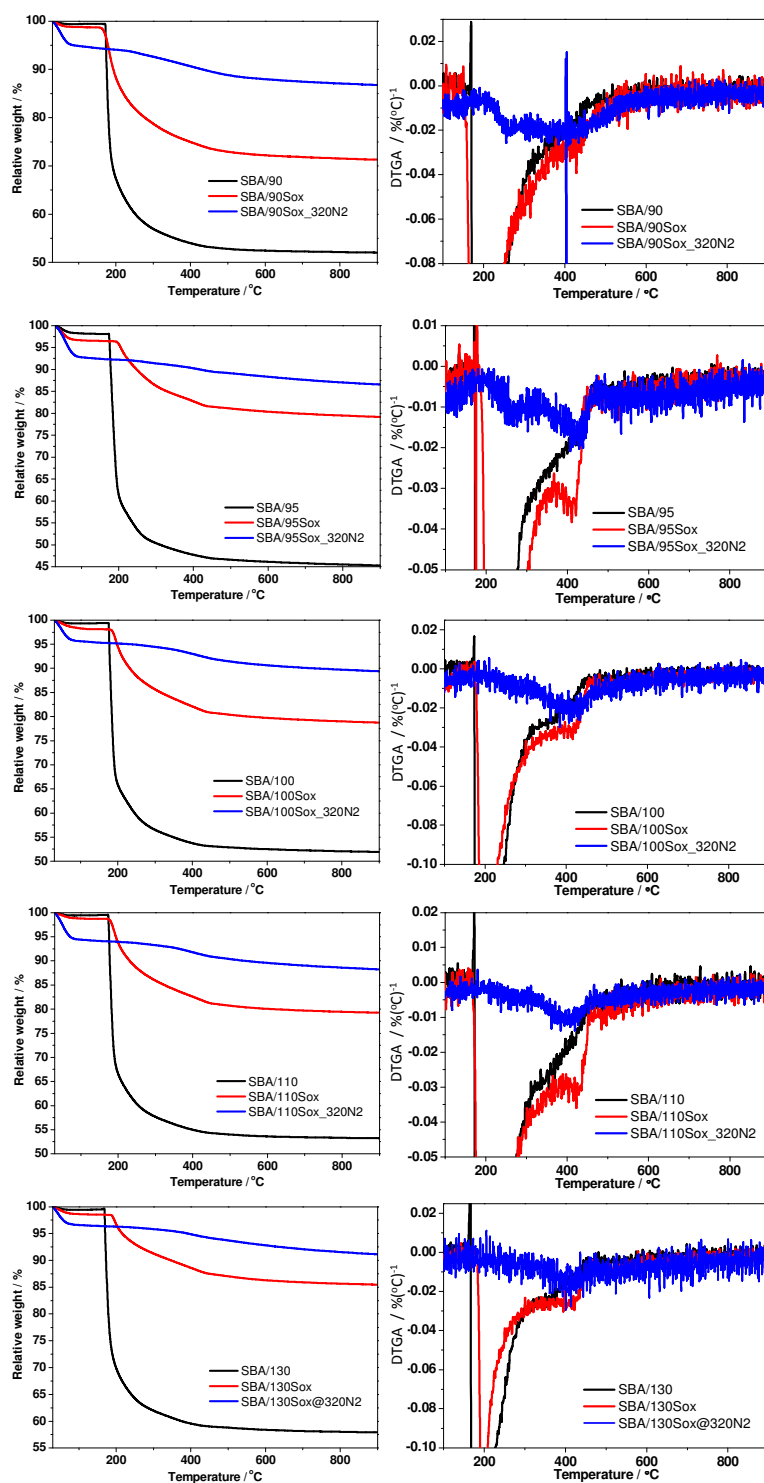


Figure S-3. Left) TGA patterns of the 24 h solvent extracted samples (Sox24) after pyrolysis at 320 °C; **right)** DTGA patterns. Initial mesophase (black) and Sox24 sample (red) are included for comparison.