Supporting Information

1) X-ray diffractograms of the mesomorphic compounds Figure S1-S9.

Figure S1: X-ray diffraction pattern of 2, recorded in the Colh phase at T = 80°C.

Figure S2: X-ray diffraction pattern of 11, recorded in the Colr phase at T = 120°C.
Figure S3: X-ray diffraction pattern of 11, recorded in the Col₈ phase at T = 180°C.

Figure S4: X-ray diffraction pattern of 12, recorded in the Col₀ phase at T = 80°C.
Figure S5: X-ray diffraction pattern of 12, recorded in the Col$_r$ phase at $T = 140^\circ$C.

Figure S6: X-ray diffraction pattern of 12, recorded in the Col$_h$ phase at $T = 160^\circ$C.
Figure S7: X-ray diffraction pattern of 13, recorded in the Colh phase at T = 160°C.

Figure S8: X-ray diffraction pattern of 14, recorded in the Colh phase at T = 140°C.
Figure S9: X-ray diffraction pattern of 16, recorded in the Colh phase at T = 100°C.