## SUPPORTING INFORMATION

## Bicontinuous Double-Diamond Structures Formed in Ternary Blends of AB Diblock Copolymers with Block Chains of Different Lengths

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Figure S1 compares SEC chromatograms of three SI diblock copolymers (left-hand side peaks) and their precursors (right-hand side peaks). The chromatograms reveal all the polymers prepared have narrow molecular weight distribution.



Figure S1. SEC profiles of three SI diblock copolymers and their precursors.

Figure S2 shows all the TEM images of nine LC binary blend samples produced by SI-L and SI-C, and the profiles in Figure S3 are associated SAXS diffraction patterns for these nine binary blends.



Figure S2. TEM images of (a) LC(90/10), (b) LC(80/20), (c) LC(70/30), (d) LC(60/40), (e)

LC(50/50), (f) LC(40/60), (g) LC(30/70), (h) LC(20/80) and (i) LC(10/90). The scale bars are all

100 nm.



Figure S3. Circularly-averaged SAXS profiles of nine binary blends from LC(90/10) to LC(10/90).