SUPPORTING INFORMATION

Preferential Synthesis and Isolation of (6,5) Single-Wall Nanotubes from One-Dimensional C_{60} Coalescence

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Fig. S1 2D PL contour map of the pristine nanotubes
Fig. S2 2D PL contour maps of the extracted fractions corresponding to a) b1 b) b3 c) b4 d) b5 of Fig. 2 b

Fig. S3 Modeling structure of C_{120}_{(9,1)} a) side view b) left view

Fig. S4 Modeling structure of C_{120}_{(6,5)} a) side view b) left view
**Fig. S5** Modeling structure of (9,1)@(11,11)

- Bond-angle = 118.7 ± 2.2°

**Fig. S6** Modeling structure of (6,5)@(11,11)

- Bond-angle = 118.9 ± 1.8°