Supplementary Information

Ternary Behavior and Systematic Manipulation of Domain Structures in P3HT/PCBM/P3HT-b-PEO Films

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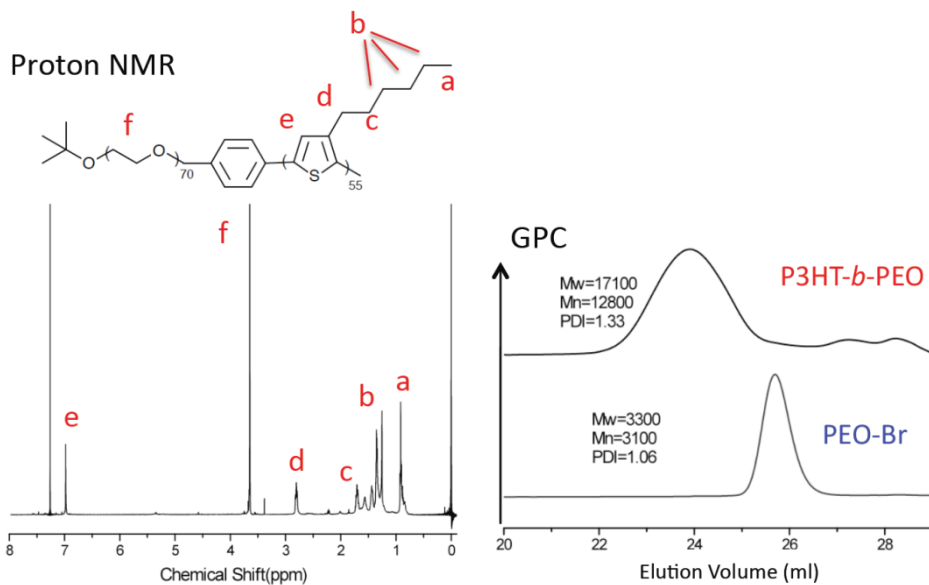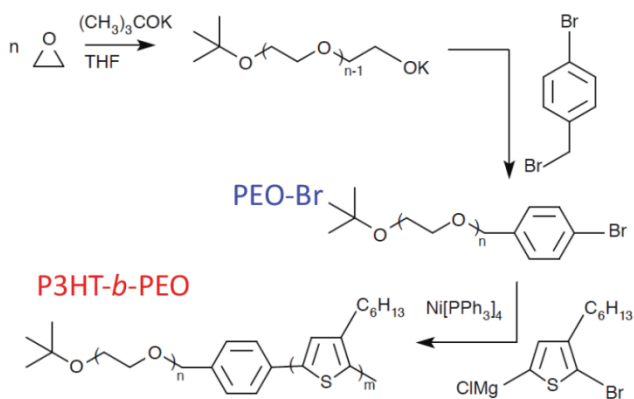
Synthesis Scheme

Figure S1. Synthesis scheme of P3HT-*b*-PEO (top). Proton NMR and GPC results are also shown for the particular diblock used in this work (bottom).
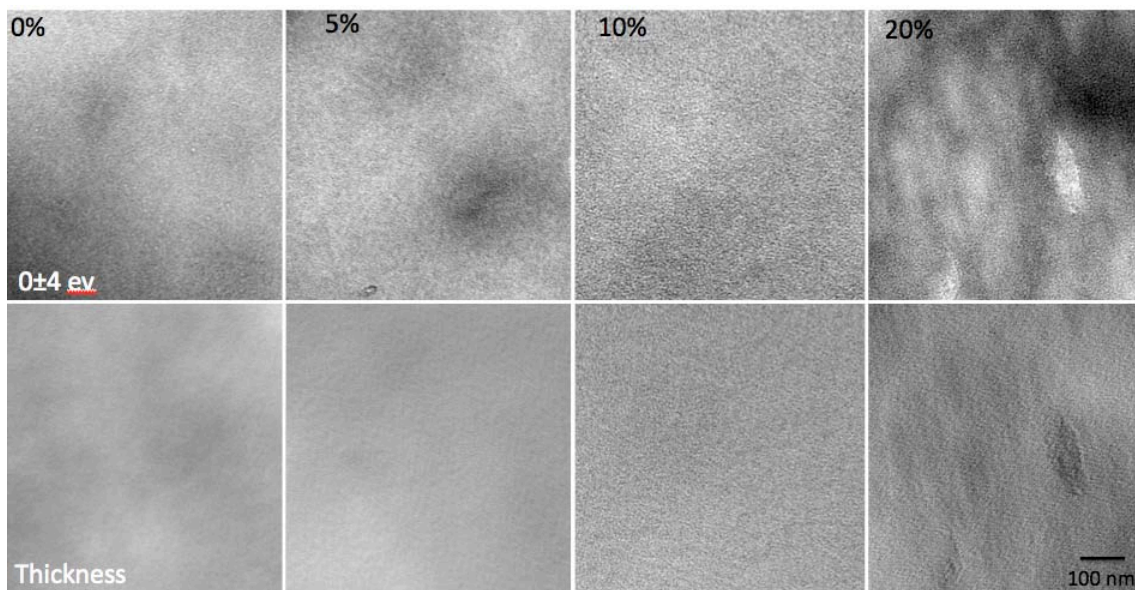
Figure S2. Thickness maps and 0 eV images of thermally annealed (120°C, 30 min) P3HT/PCBM films with different weight percentages (0%, 5%, 10%, and 20%) of P3HT-*b*-PEO block copolymer.
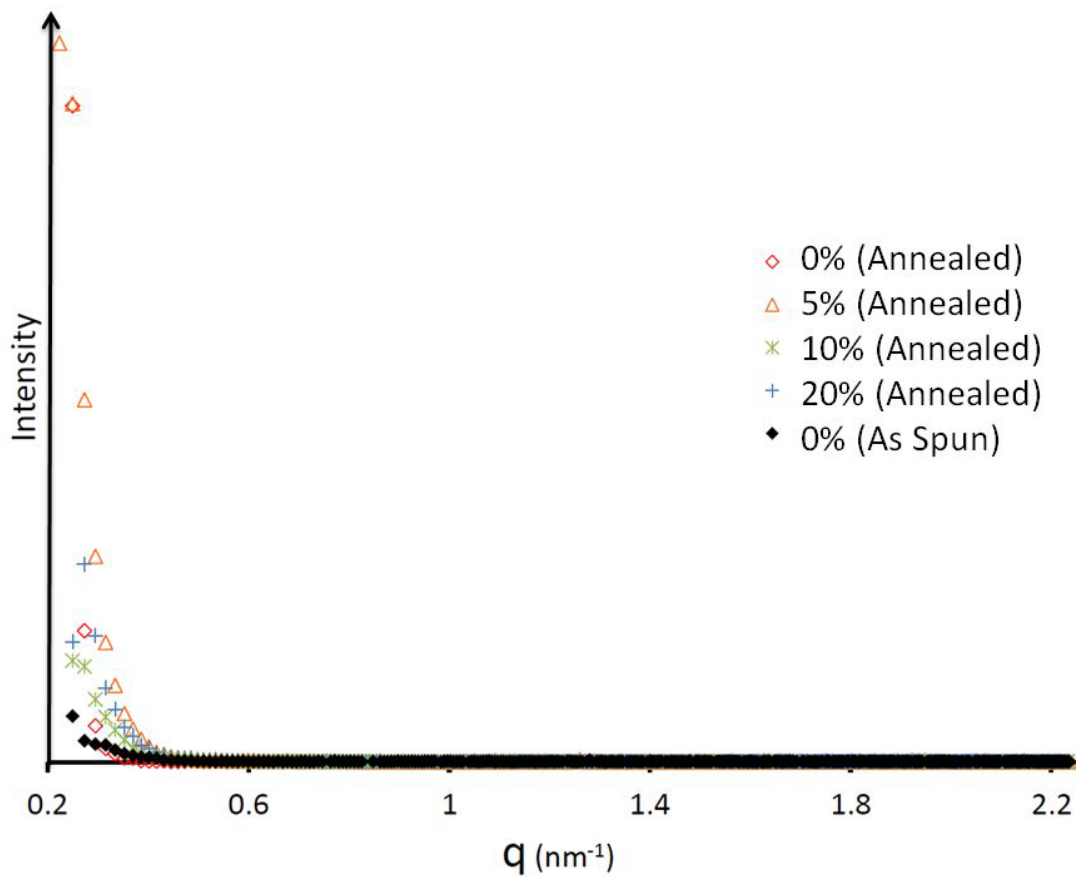
Figure S3. GISAXS results of P3HT/PCBM/P3HT-*b*-PEO ternary films before and after thermal annealing as a function of P3HT-*b*-PEO loading in *I* - *q* format.
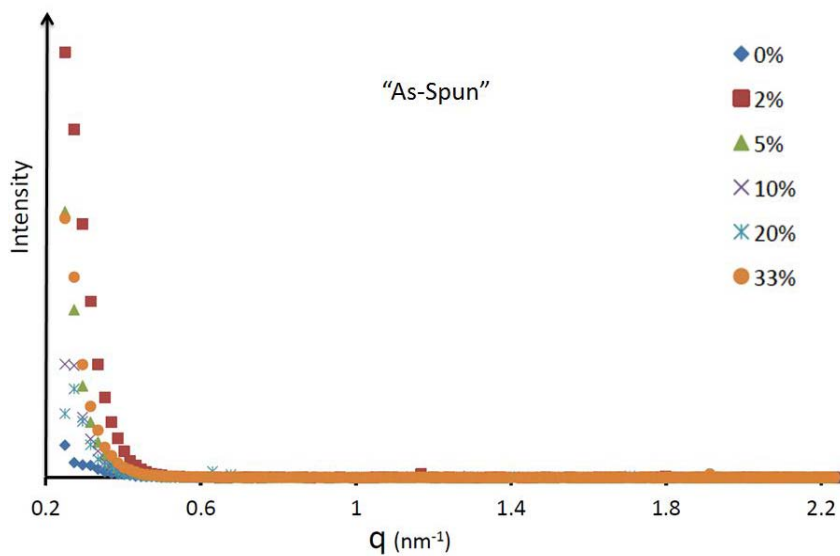
Figure S4. GISAXS results of P3HT/PCBM/P3HT-*b*-PEO ternary films before thermal annealing as a function of P3HT-*b*-PEO loading (0-33wt%) in *I* - *q* format.
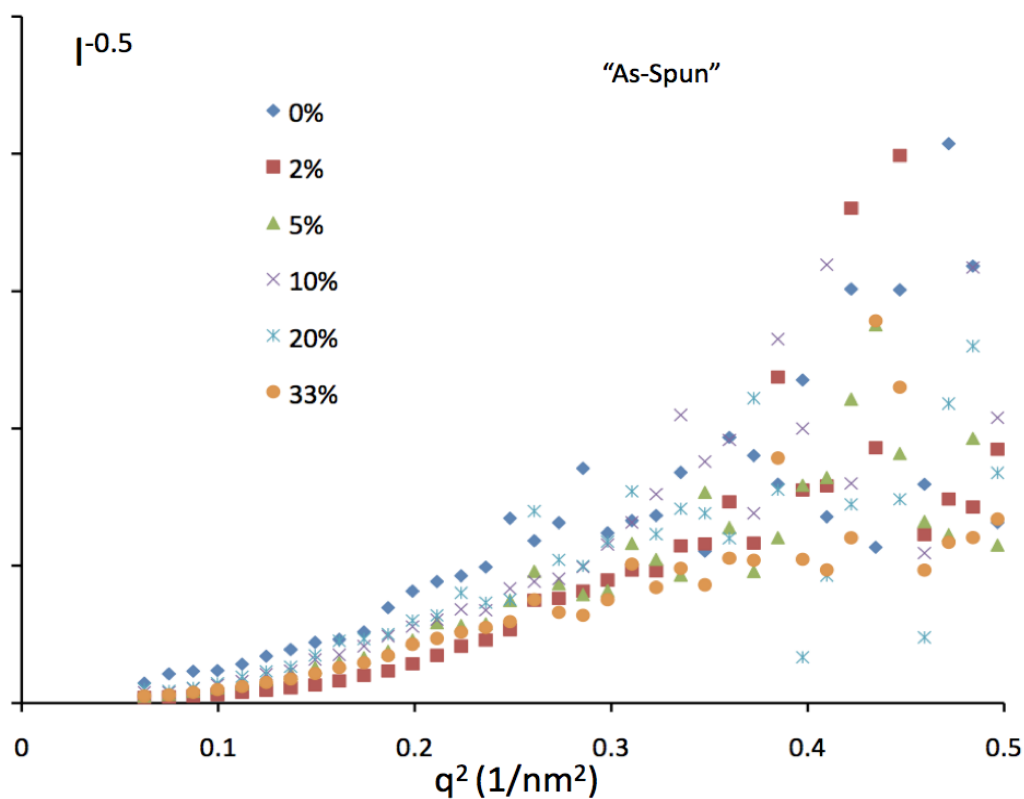

Figure S5. GISAXS results of P3HT/PCBM/P3HT-*b*-PEO ternary films before thermal annealing as a function of P3HT-*b*-PEO loading (0-33wt%) in $I^{0.5}$ - q^2 format