

Supporting information for

‘Blocky’ Donor-Acceptor Polymers Containing Selenophene, Benzodithiophene and Thienothiophene for Improved the Molecular Ordering

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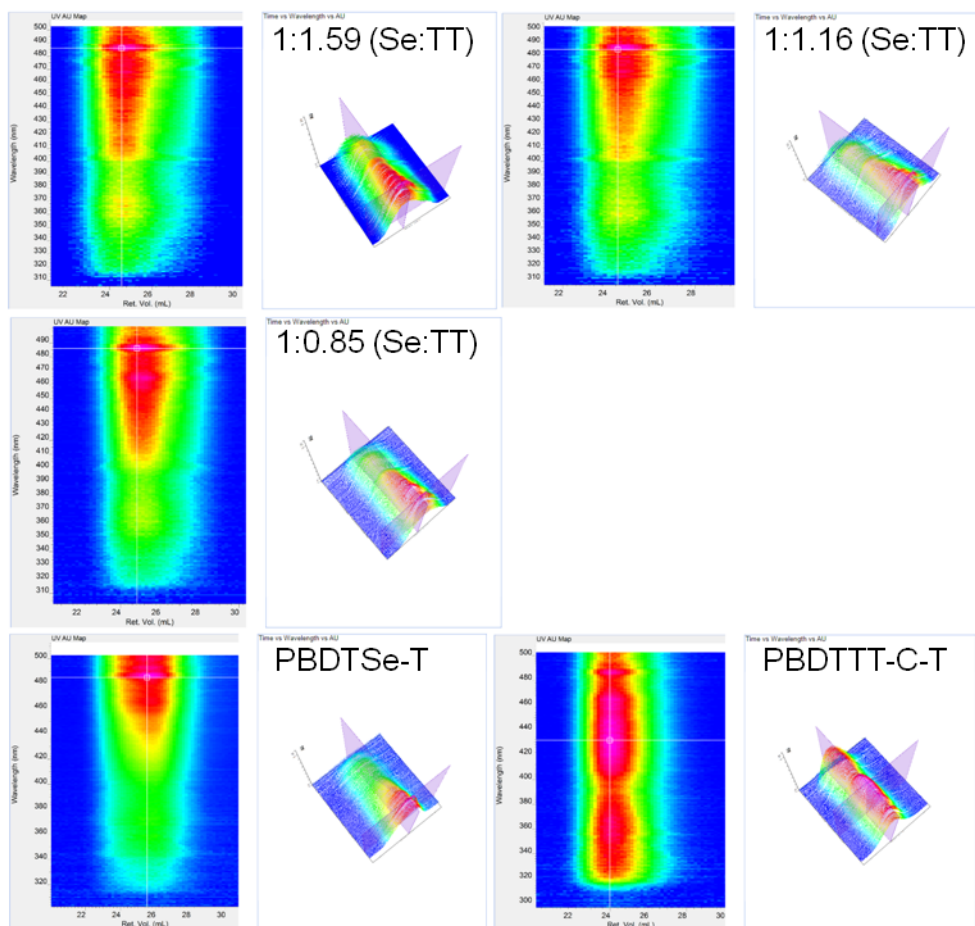


Figure S1 GPC elution profiles of blocky and parent copolymers at different wavelength.

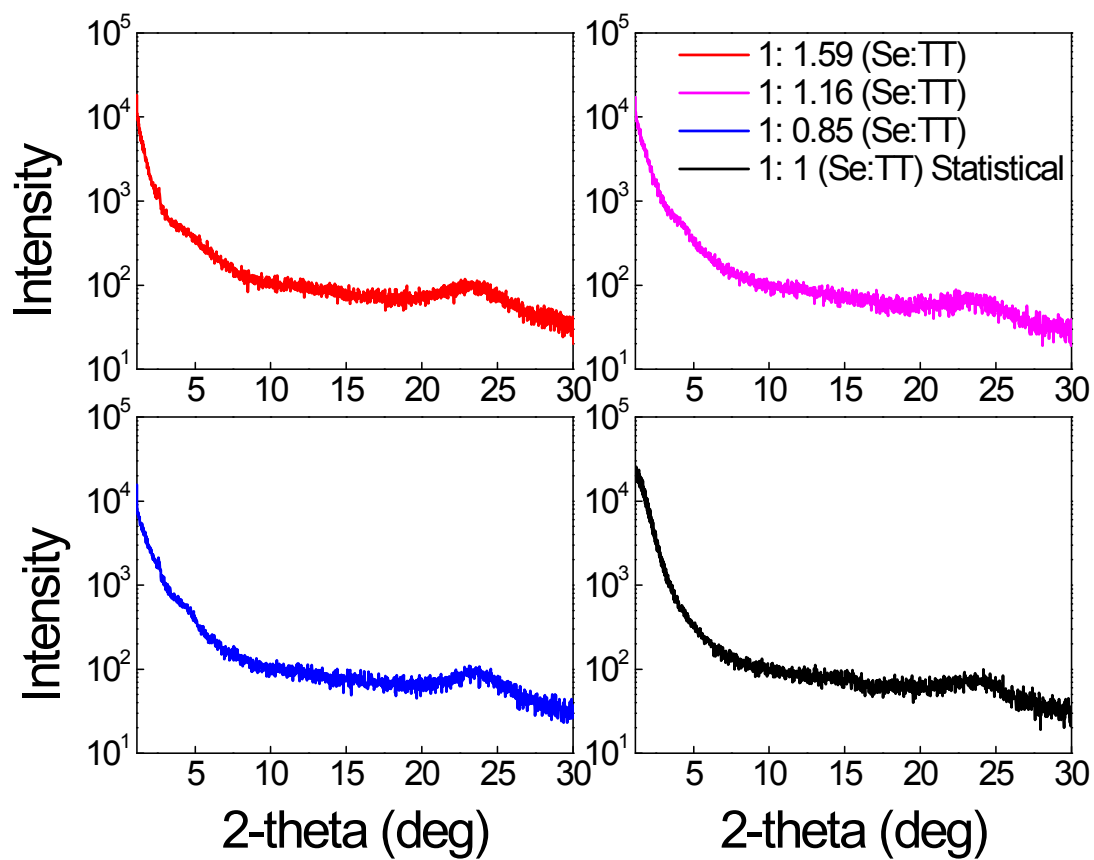


Figure S2 XRD patterns of blocky or statistical polymers drop-coated on Si substrates.

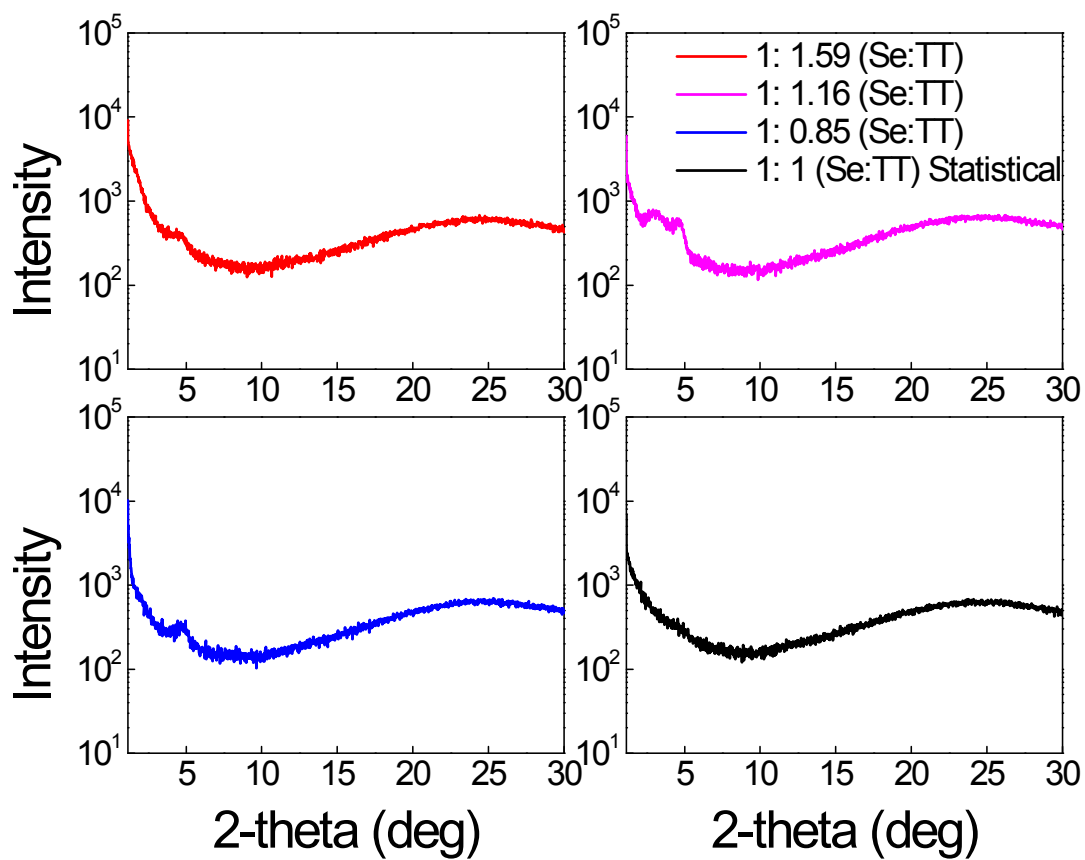


Figure S3 XRD patterns of polymer: PC₇₁BM blend films spin-coated on glass substrates.

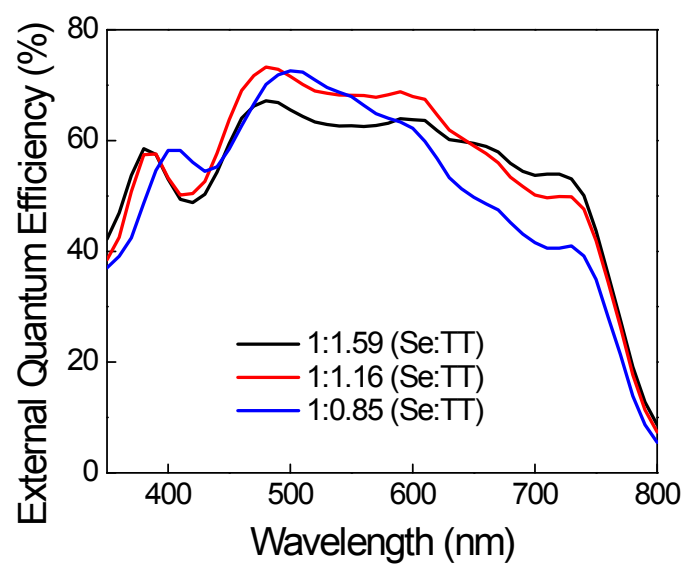


Figure S4 External quantum efficiency (EQE) spectra of solar cell devices of physical mixtures.

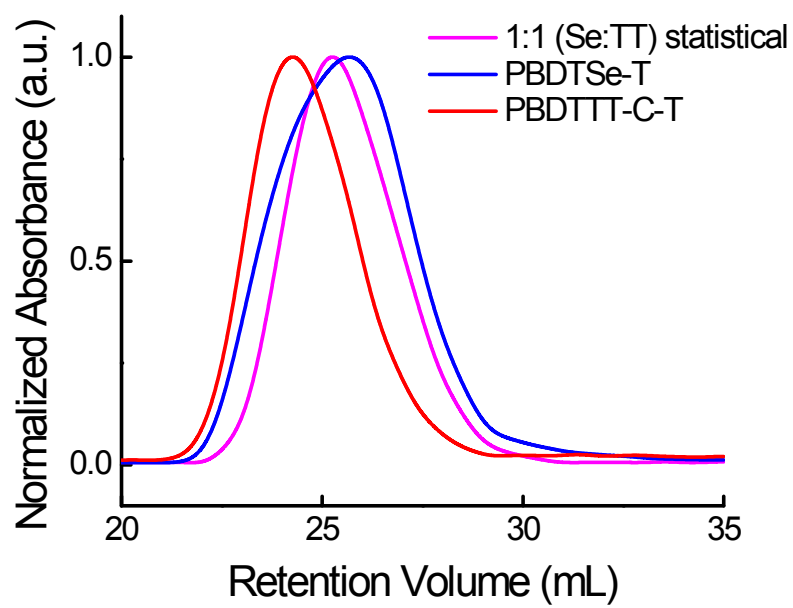


Figure S5 GPC elution profiles of statistical, PBDTSe-T and PBDTTT-C-T polymers.

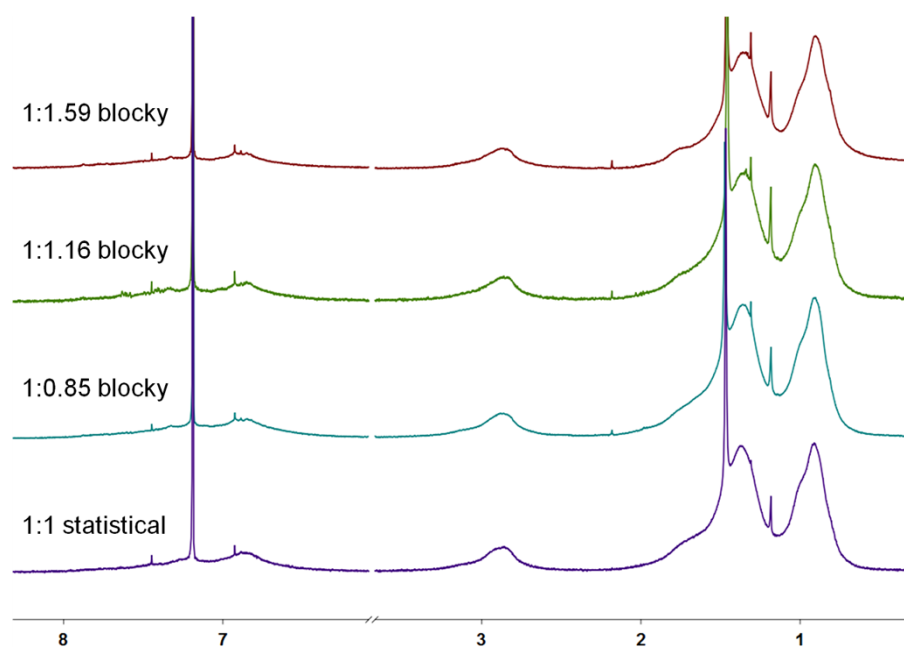


Figure S6 ^1H -NMR spectra of blocky or statistical polymers

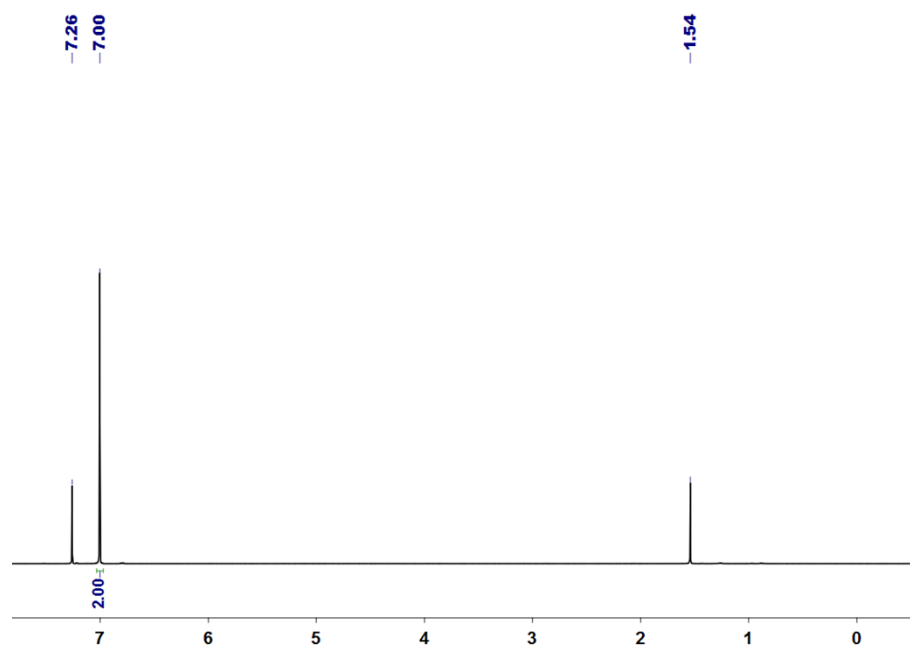


Figure S7 ^1H -NMR spectra of 2,5-dibromoselenophene

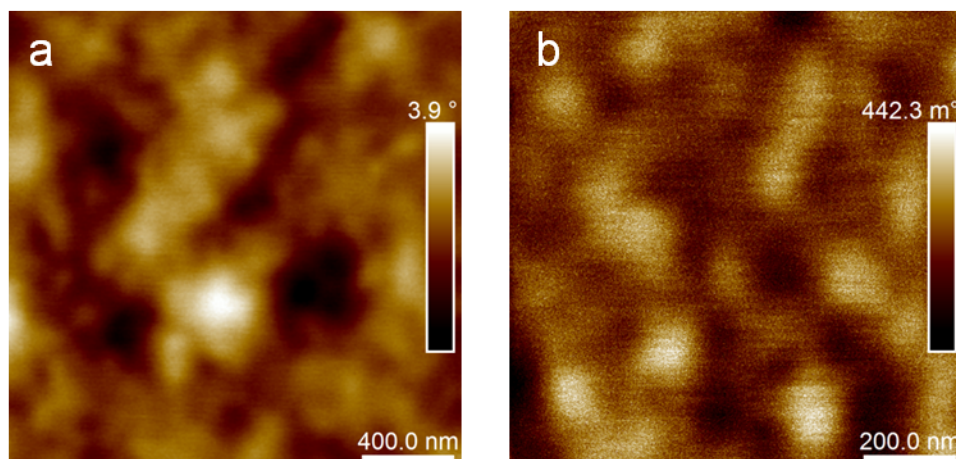


Figure S8 AFM phase images of PBDTSe-T:PC₇₁BM (a) and PBDTTT-C-T:PC₇₁BM (b) films

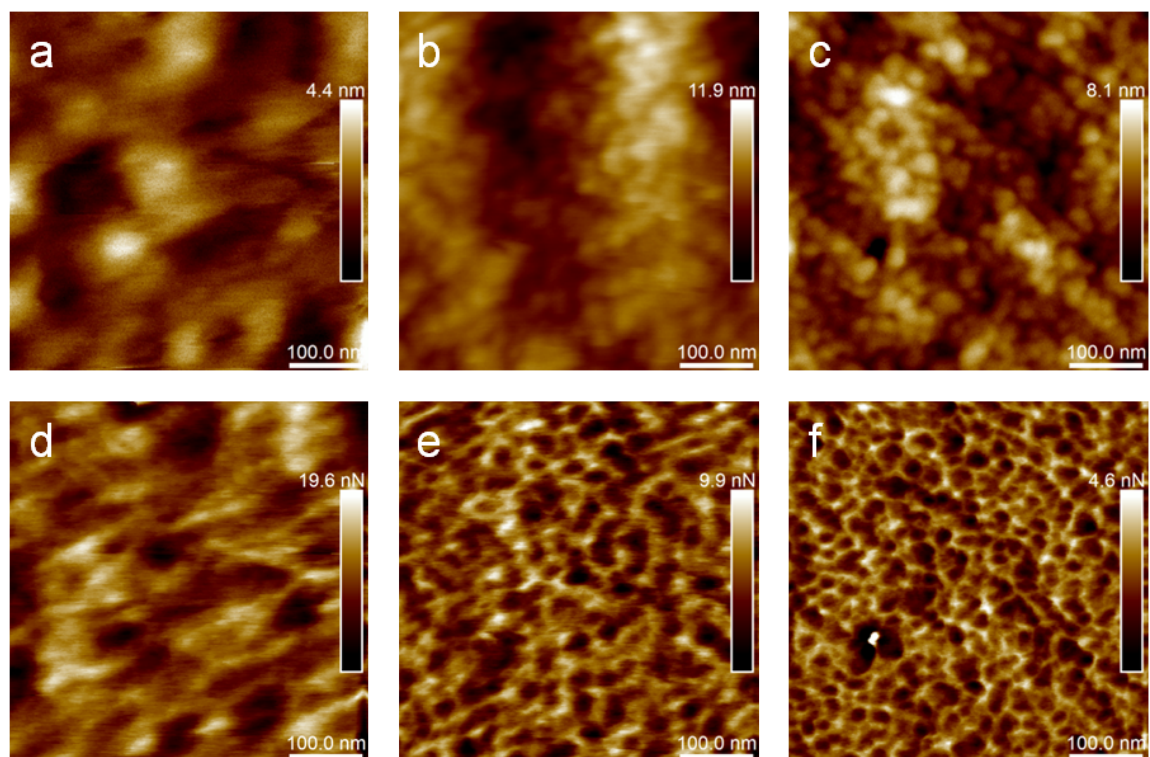


Figure S9 AFM height (above) and adhesion (below) images of 1:1 statistical (a,d), PBDTSe-T(b,e) and PBDTTT-C-T (c, f) polymer:PC₇₁BM blend films.

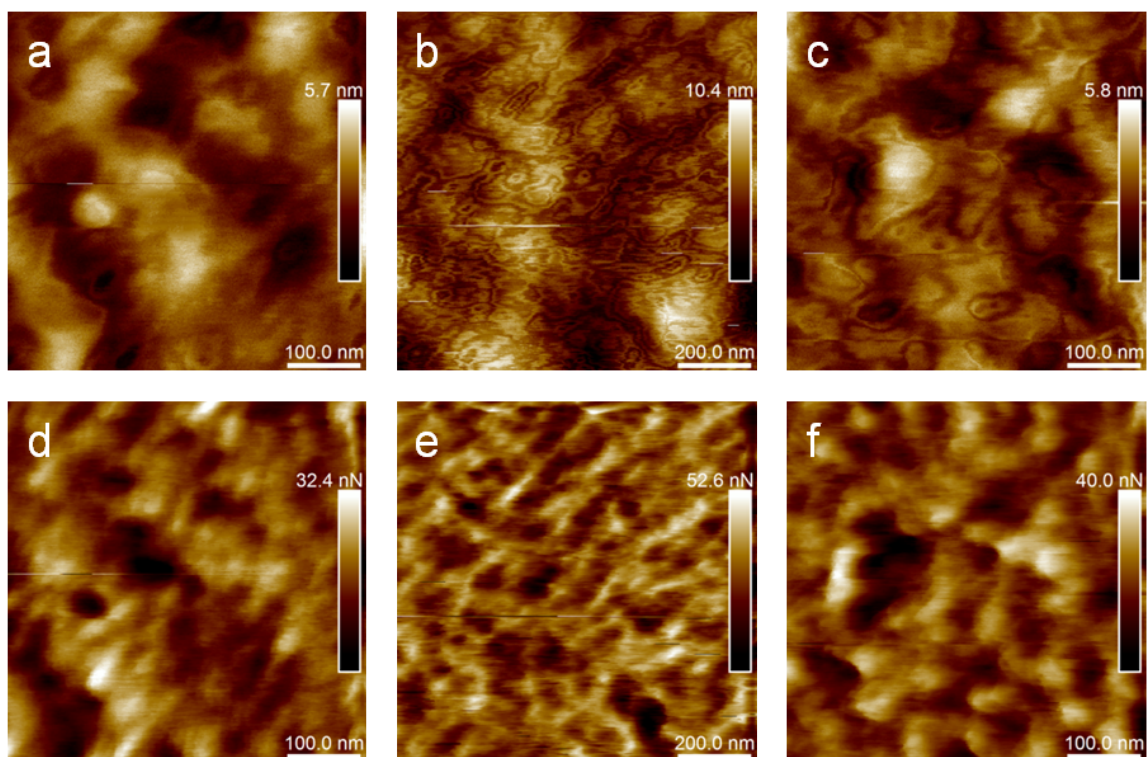


Figure S10 AFM height (above) and adhesion (below) images of 1:1.59 (a,d), 1:1.16 (b,e) and 1:0.85 (c,f) physical mixture:PC₇₁BM blend films.