Supporting Information

Correlation of Polymeric Compatibilizer Structure to its Impact on the Morphology and Function of P3HT:PCBM Bulk Heterojunctions

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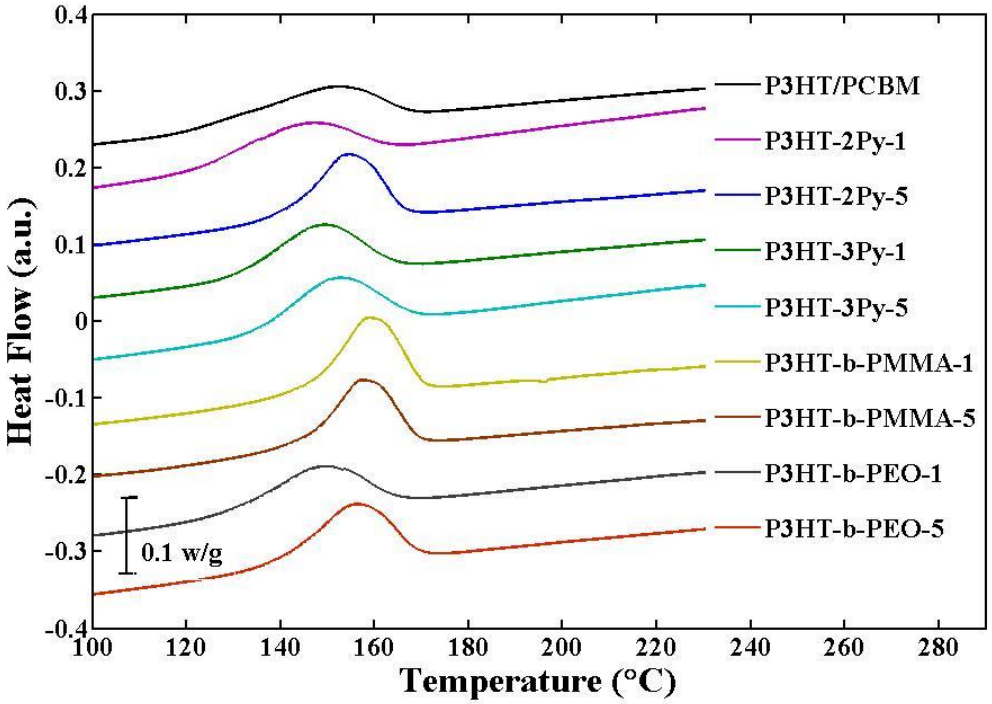
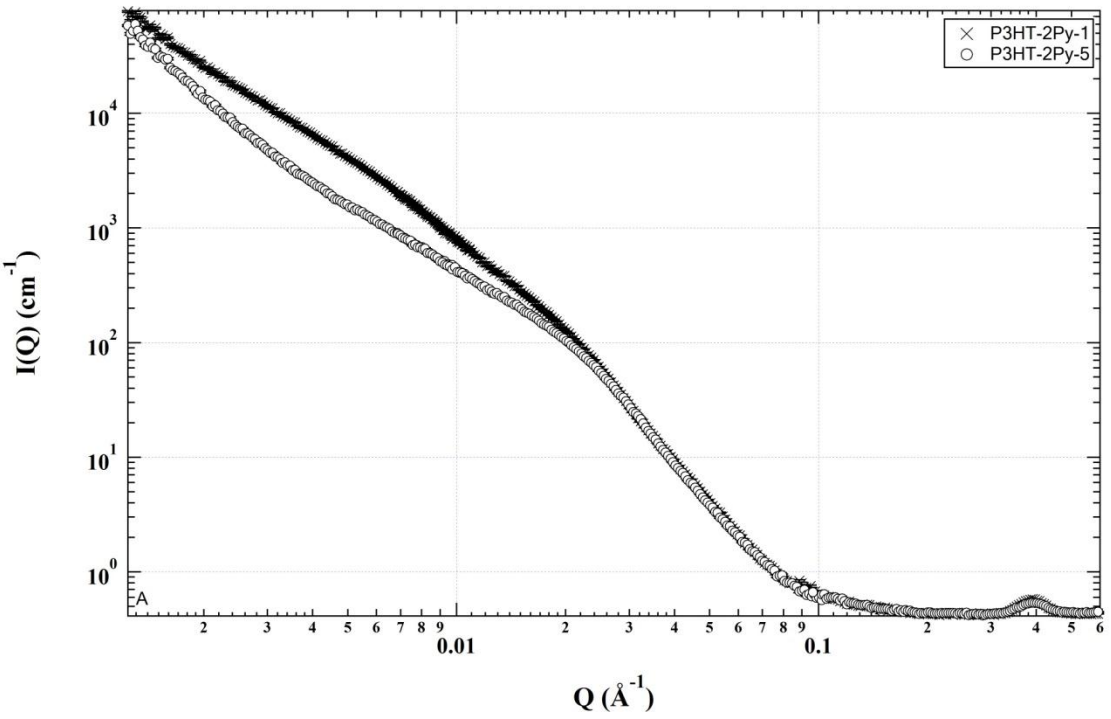
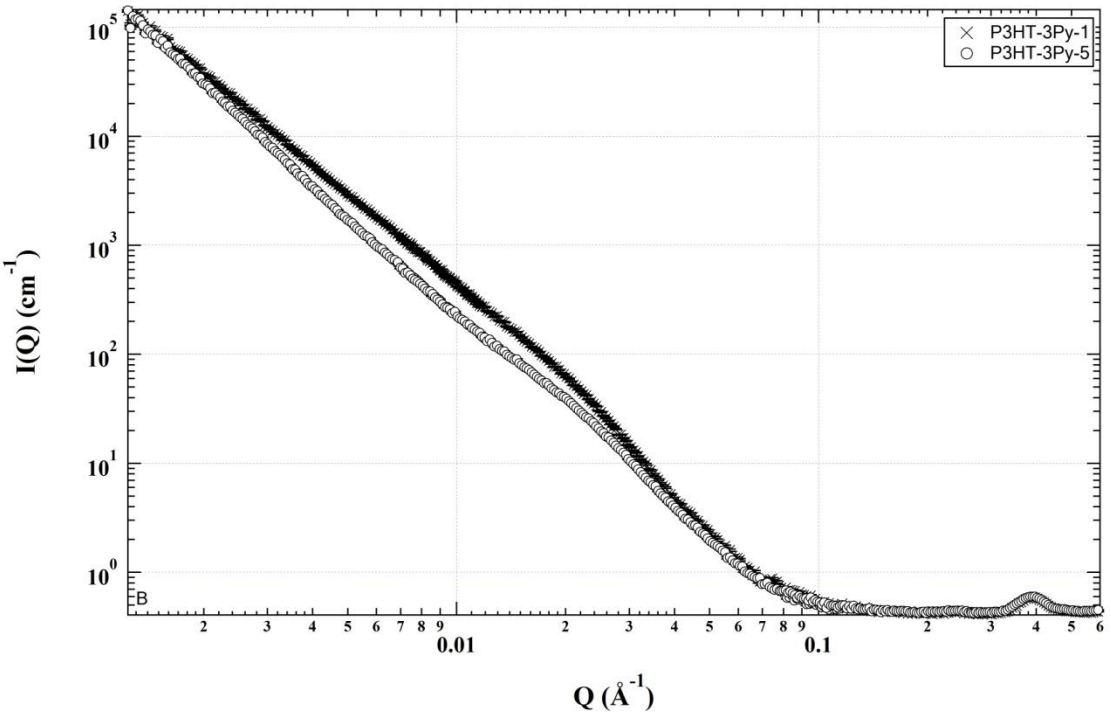


Figure S1. Heat flow vs. temperature of all the samples during cooling from the melt (300°C) at 10°C/min. Curves are displaced vertically for clarity.





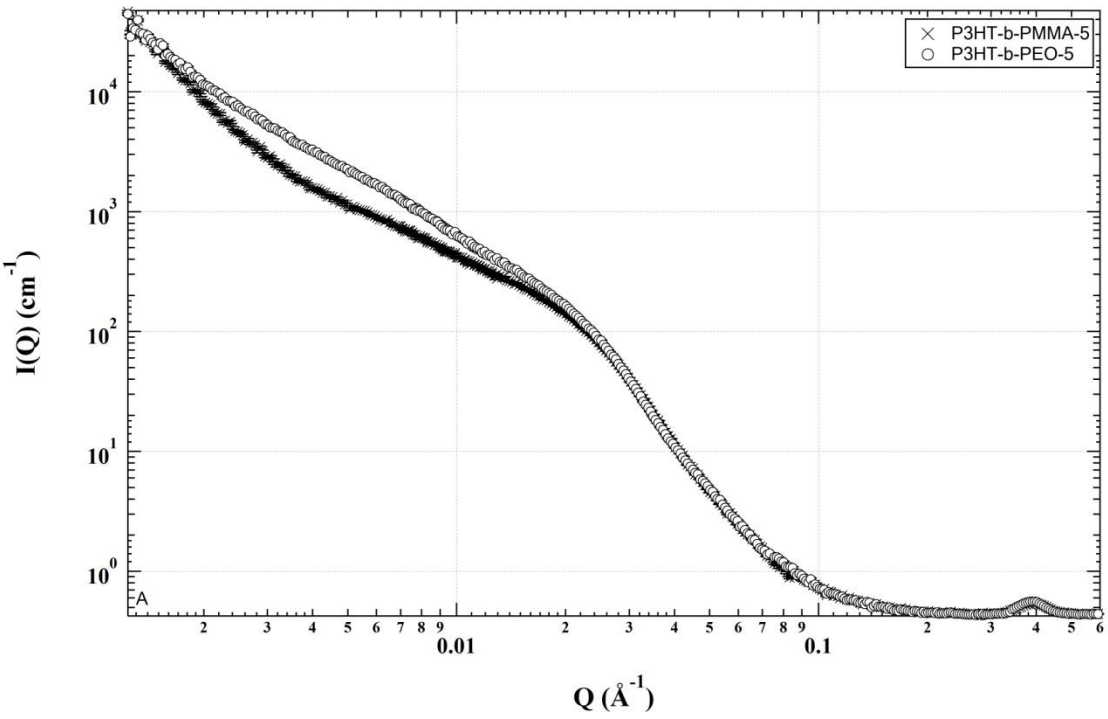


Figure S2 The absolute SANS intensity of P3HT-2Py-1, P3HT-2Py-5, P3HT-3Py-1, P3HT-3Py-5, P3HT-*b*-PMMA-5, and P3HT-*b*-PEO-5.

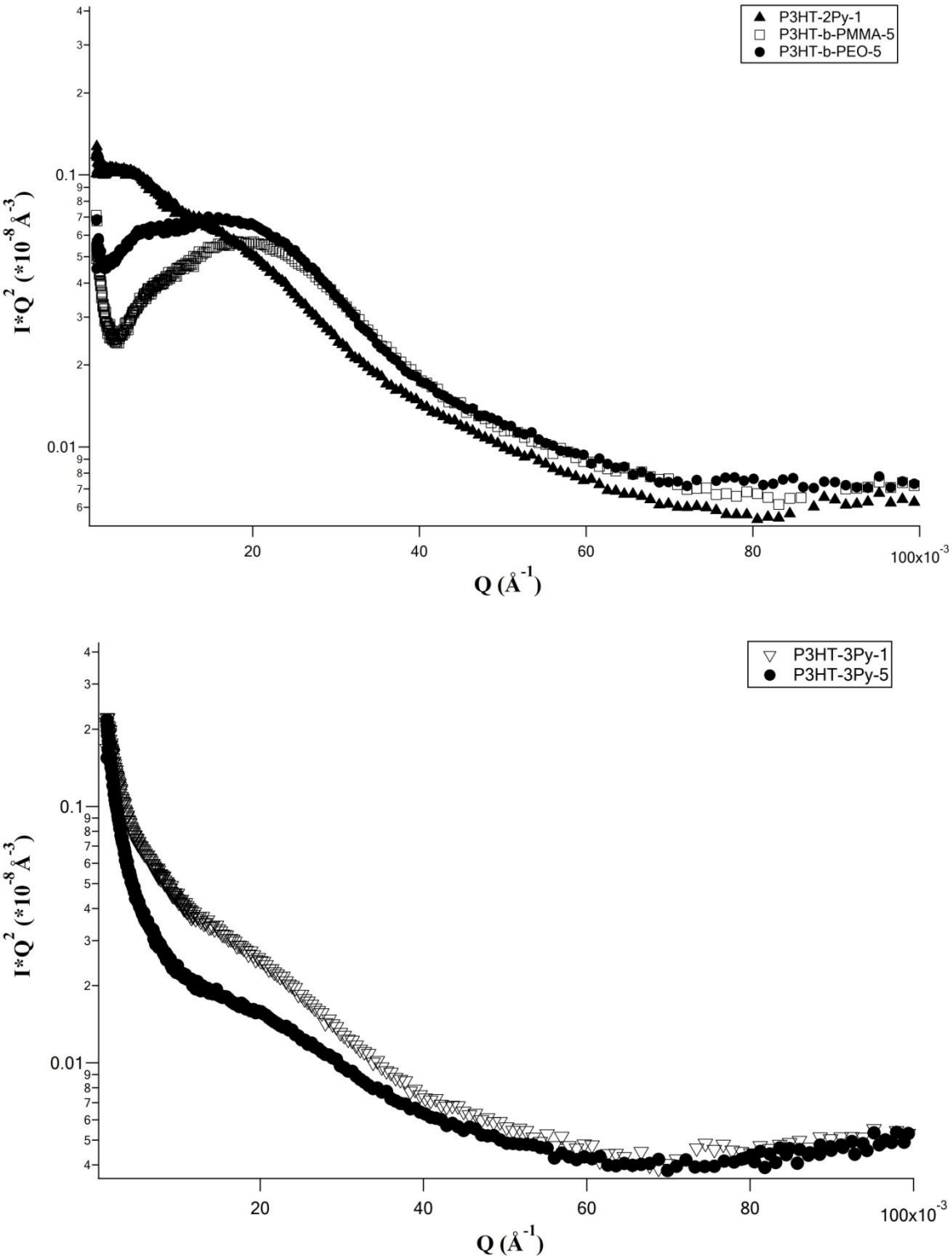


Figure S3. Lorentz-corrected scattering pattern of P3HT-2Py-1, P3HT-*b*-PMMA-5, P3HT-*b*-PEO-5, P3HT-3Py-1, and P3HT-3Py-5.

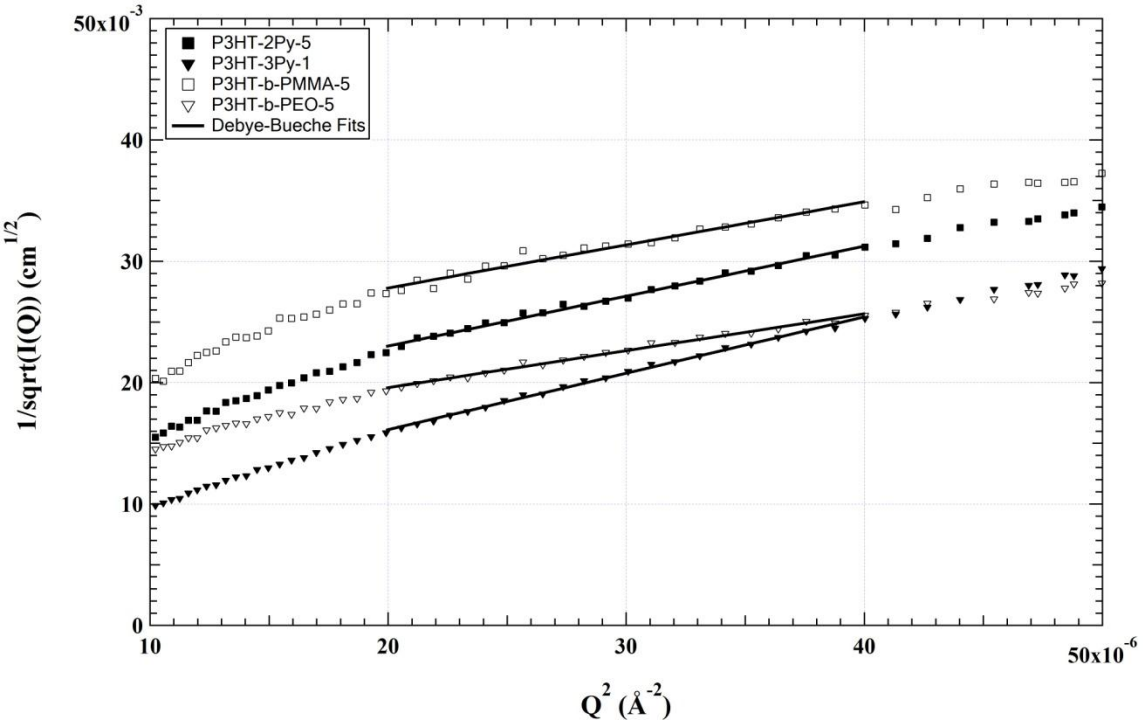


Figure S4. Debye-Buche fits of P3HT-2Py-5, P3HT-3Py-1, P3HT-*b*-PMMA-5, and P3HT-*b*-PEO-5.

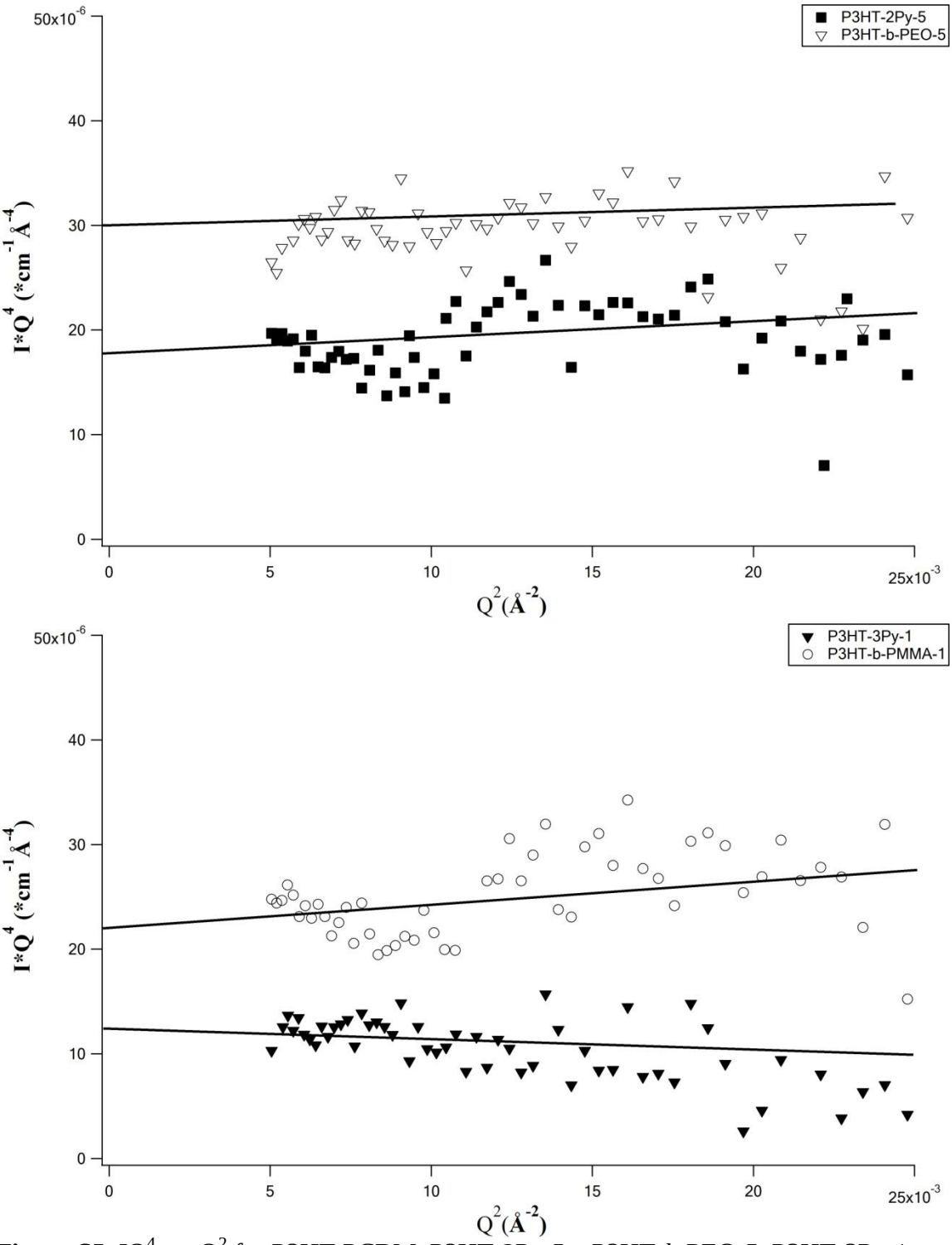


Figure S5. IQ^4 vs. Q^2 for P3HT:PCBM, P3HT-2Py-5, , P3HT-*b*-PEO-5, P3HT-3Py-1, and P3HT-*b*-PMMA-1. The intercept (A) is used to determine the SLDC, Δb, between the two phases.