Supporting Information

Synthesis and Characterization of Polythiophenes Bearing Aromatic Groups at the 3-Position

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Figure S1. $^1$H NMR spectrum of compound 3 in CDCl$_3$. 
Figure S2. $^{13}$C NMR spectrum of compound 3 in CDCl$_3$. 
Figure S3. $^1$H NMR spectrum of compound 7 in CDCl$_3$. 
Figure S4. $^{13}$C NMR spectrum of compound 7 in CDCl$_3$. 
Figure S5. TGA profiles of P3PhT and P3PyT.
Figure S6. Fluorescence spectra of P3PhT and P3PyT in CHCl₃ solution, respectively.
Figure S7. Cyclic voltammograms of film of P3PhT and P3PyT on the working electrode in acetonitrile with tetrabutylammonium hexafluorophosphate as supporting electrolyte.