Electronic Supplementary Information (ESI)

Synthesis, characterization and bulk-heterojunction photovoltaic applications of new naphtho[1,2-b:5,6-b’]dithiophene-quinoxaline containing narrow band gap D-A conjugated polymers

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Fig. S1. $^1$H and $^{13}$C NMR spectra of compound 9.
Fig. S2. $^1$H and $^{13}$C NMR spectra of compound 19.
Fig S3. $^1$H-NMR spectra of PTNDTT-QX-I (A) and PTNDTT-QX-II (B) in CDCl$_2$CDCl$_2$ at 127 °C.
Fig S4. Output curves of bottom-gate top-contact thin film transistors (TFT) devices based on (a) PTNDTT-QX-I and (b) PTNDTT-QX-II.