Synthesis and Photovoltaic Properties of Dithieno[3,2-b:2',3'-d]silole-Based conjugated copolymer

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Figure S1. $^1$H NMR spectrum of M1 at room temperature.
Figure S2. $^{13}$C NMR spectra of M1 at room temperature (the peaks above 110 ppm and below 35 ppm are also shown for clarity.).
Figure S3. $^1$H NMR spectrum of compound 4 at room temperature.
Figure S4. $^{13}$C NMR of spectra of compound 4 at room temperature (the peaks below 37 ppm are also shown for clarity).
Figure S5. $^1$H NMR spectrum of M2 at room temperature.
Figure S6. $^{13}$C NMR spectra of M2 at room temperature (The peaks above 70 ppm and below 36 ppm are shown for clarity.).