

## Supporting Information

### Improved synthesis and photovoltaic performance of donor-acceptor copolymers based on dibenzothiophene-cored ladder-type heptacyclic units

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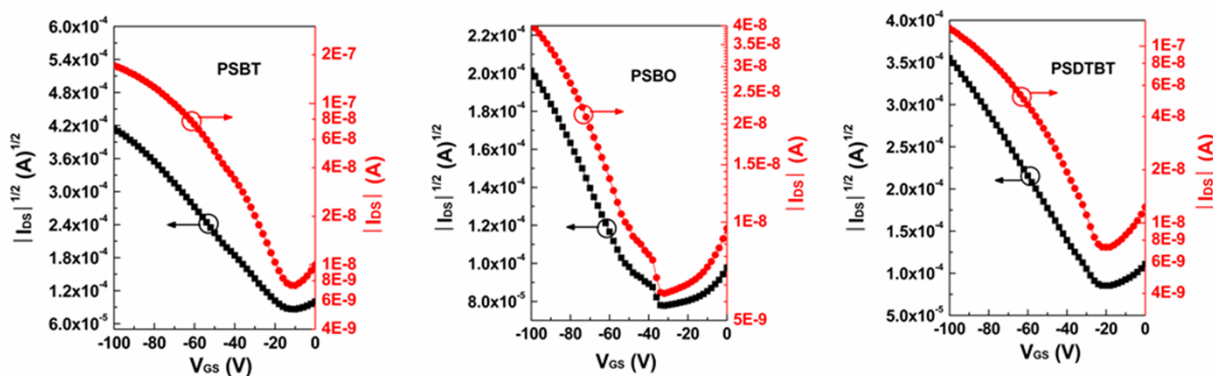


Fig. S1 Transfer curves of field-effect transistors based on PSBT (left), PSBO (middle) and PSDTBT (right).

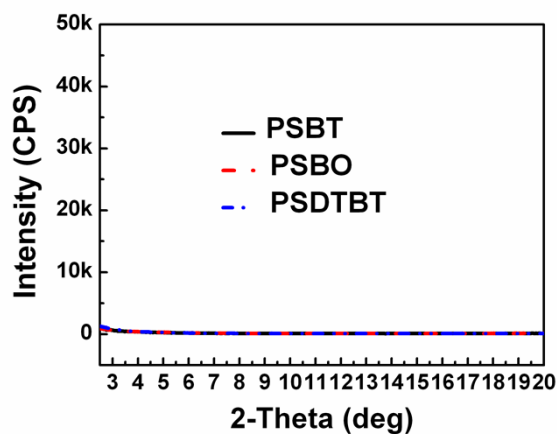


Fig. S2 XRD patterns of the pristine PSBT, PSBO, and PSDTBT thin films, spin-coated from *o*-DCB/CB = 1/3 (v/v) onto PEDOT:PSS/glass substrates.