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## **Supporting Information**

for

## Donor Polymer Fluorination Doubles the Efficiency in Non-Fullerene Organic Photovoltaics

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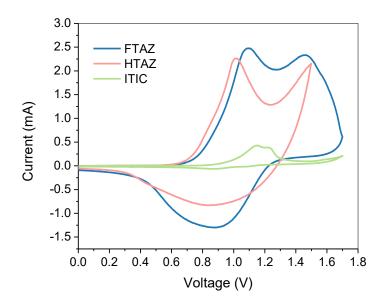


Figure S1. Cyclic voltammograms for FTAZ, HTAZ, and ITIC

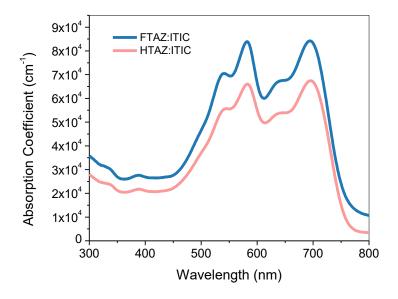


Figure S2. Absorption coefficient of FTAZ:ITIC and HTAZ:ITIC thin films

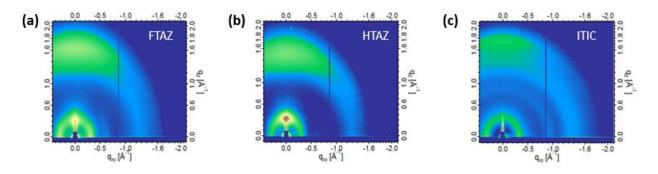


Figure S3. 2D GIWAXS pattern of neat FTAZ, HTAZ, and ITIC films

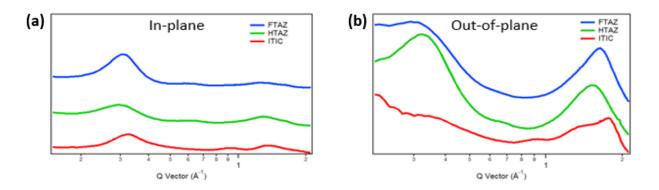


Figure S4. 1D line scans for neat FTAZ, HTAZ, and ITIC films

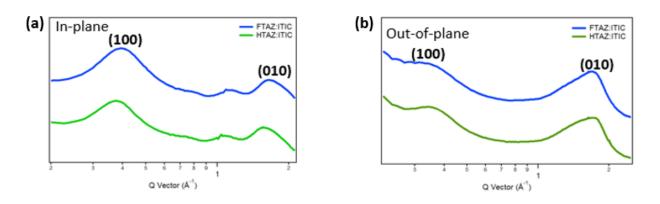


Figure S5. 1D line scans for FTAZ:ITIC and HTAZ:ITIC blend films

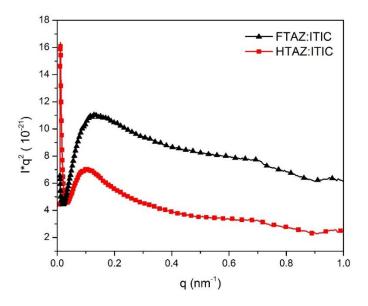


Figure S6 Lorentz-corrected RSoXS profiles of FTAZ:ITIC and HTAZ:ITIC blend films