Supporting Information

Air-stable Ambipolar Organic Field-Effect Transistors Based on Naphthalenediimide-Diketopyrrolopyrrole Copolymers

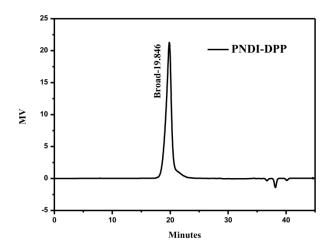
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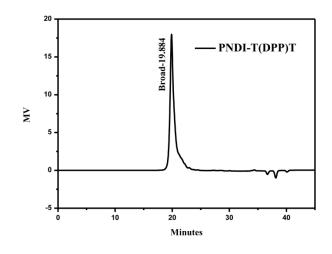
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GPC Results Elution Retention Adjusted Dist Name Volume ŔŢ Mw MP Mz+1 Mz/Mw Time (min) (min) (ml) 20844 19.846 19.846 19.846 23455 1.125271



GPC Results											
		Dist Name	Elution Volume (ml)	Retention Time (min)	Adjusted RT (min)	Mn	Mw	MP	Mz	Mz+1	Mz/Mw
	1	·	19.884	19.884	19.884	9714	16531		20986	23367	1.269523

Figure S1: GPC trace of PNDI-DPP and PNDI-T(DPP)T.

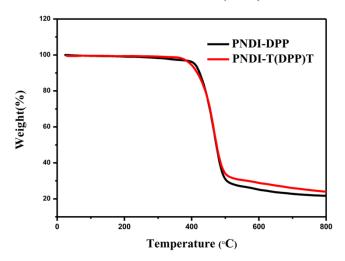


Figure S2: TGA thermograms of PNDI-DPP and PNDI-T(DPP)T.

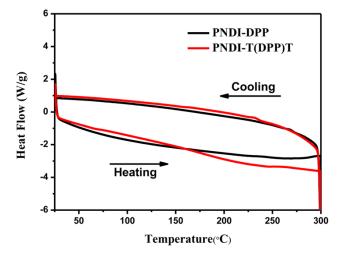


Figure S3: DSC thermograms of PNDI-DPP and PNDI-T(DPP)T.

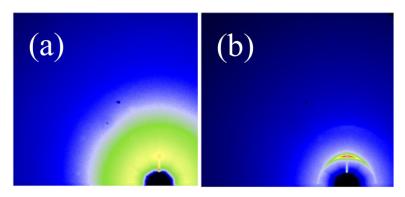


Figure S4: 2D-GIXRD images of the **PNDI-DPP** thin film (a) and **PNDI-T(DPP)T** thin film (b).

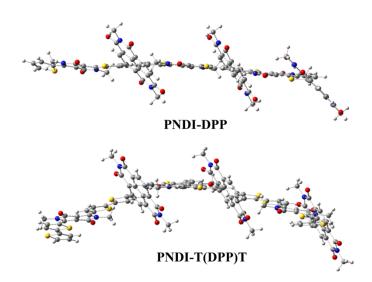


Figure S5: The preferred conformations of the trimmers of PNDI-DPP and PNDI-T(DPP)T obtained with DFT calculation.

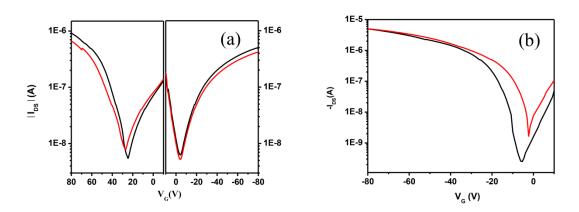


Figure S6: OFET transfer curves for fresh **PNDI-DPP** (a) and **PNDI-T(DPP)T** (b) based devices (dark line) and after 3 months storage in ambient (red line).

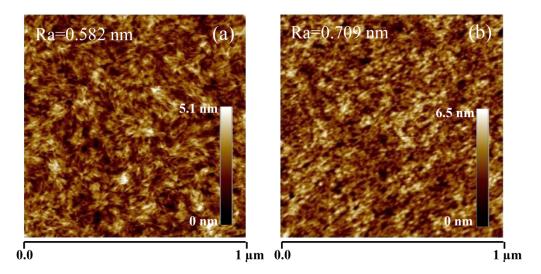


Figure S7: Tapping mode AFM height images of PNDI-DPP (a) and PNDI-T(DPP)T (b) thin films.