Electronic Supplementary Information

Indenothiophene-Based Asymmetric Small Molecules for Organic Solar Cells

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**Fig. S1** TGA curves of IT3T, ITFBT and IT2FBT with a heating rate of 10 °C/min under nitrogen.
Fig. S2 Normalized device stability of ITFBT:PC$_{71}$BM stored under ambient conditions with an initial PCE of 4.48%.

Fig. S3 $^1$H NMR spectrum of IT3T in CDCl$_3$. 
Fig. S4 $^{13}$C NMR spectrum of IT3T in CDCl$_3$.

Fig. S5 $^1$H NMR spectrum of ITFBT in CDCl$_3$. 
Fig. S6 $^{13}$C NMR spectrum of ITFBT in CDCl$_3$.

Fig. S7 $^1$H NMR spectrum of IT2FBT in CDCl$_3$. 
Fig. S8 $^{13}$C NMR spectrum of IT2FBT in CDCl$_3$. 