

Supporting information

Synthesis and Characterization of Benzo- and Naphtho[2,1-b:3,4-b']dithiophene-Containing Oligomers for Photovoltaic Applications

Mirjam Löbert,^a Amaresh Mishra,^a Christian Uhrich,^b Martin Pfeiffer,^b Peter Bäuerle^{a*}

^aInstitute of Organic Chemistry II and Advanced Materials, University of Ulm, Albert-Einstein-Allee 11, D-89081 Ulm, Germany, Email: peter.baeuerle@uni-ulm.de

^bHeliatek GmbH, Treidlerstr. 3, 01139 Dresden, Germany

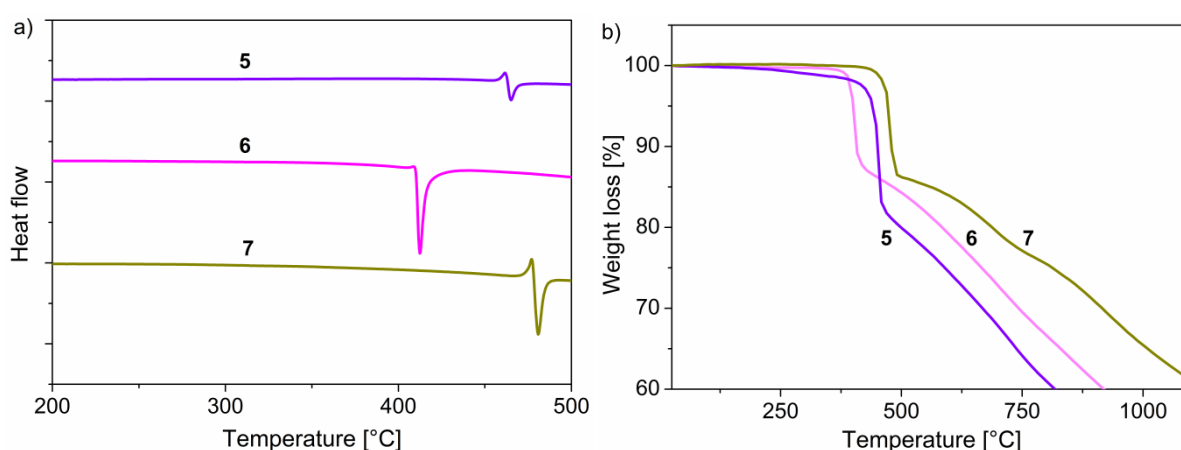


Figure S1: (a) TGA curves for oligomers **5-7** measured under nitrogen flow at a heating rate of 10 °C min.; (b) DSC curves measured under argon flow at a heating rate of 10 °C min.

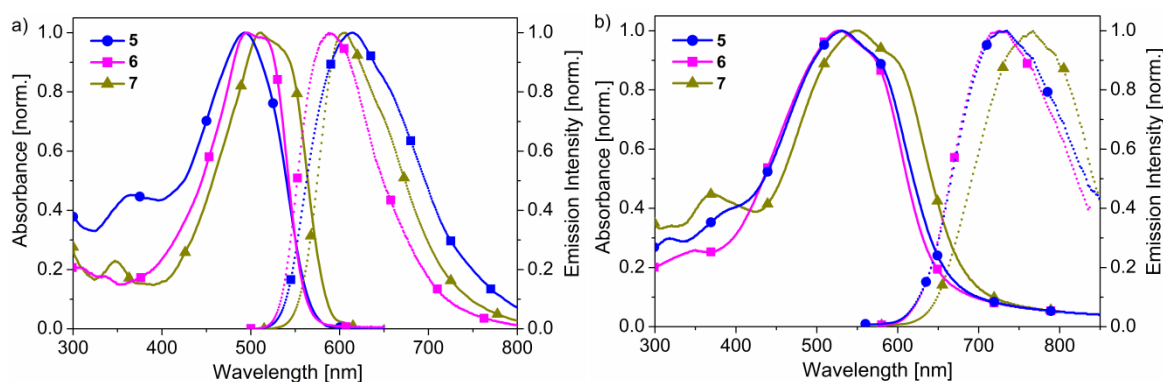


Figure S2: (a) Absorption and fluorescence spectra of BDT **5**, **6**, and NDT **7** in dichloromethane at room temperature. (b) Thin film (30 nm) absorbance and fluorescence spectra of **5**, **6** and **7**.

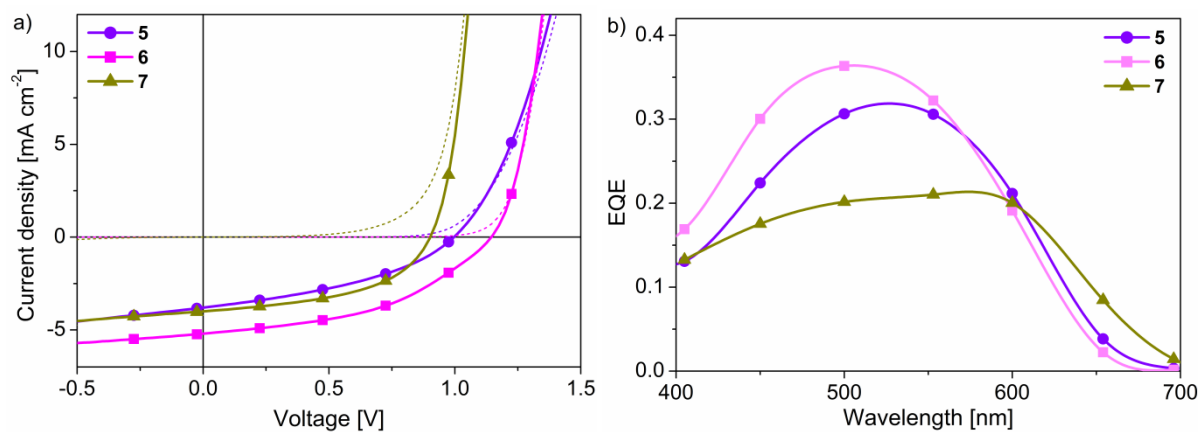


Figure S3: (a) *J-V*-characteristics of planar heterojunction solar cells with DCV end-capped oligomers **5-7** as donor material and C₆₀ as acceptor. (b) Corresponding EQE spectra of PHJ solar cells.