Supporting Information

TITLE: Green Phosphorescent Organic Electroluminescent Devices with 27.9% External Quantum Efficiency by Employing Terbium Complex as Co-dopant

Rongzhen Cui ^a, Weiqiang Liu ^a, Liang Zhou ^a, *, Xuesen Zhao ^a, Yunlong Jiang ^a,

Yingjie Cui^a, Qi Zhu^a, Youxuan Zheng^{b,*} and Hongjie Zhang^a

^a State Key Laboratory of Rare Earth Resource Utilization, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun 130022, People's Republic of China

^b State Key Laboratory of Coordination Chemistry, Collaborative Innovation Center of Advanced Microstructures, School of Chemistry and Chemical Engineering, Nanjing University, Nanjing 210023, People's Republic of China

^{*} Correspondence to: State Key Laboratory of Rare Earth Resource Utilization, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Renmin Street 5625, Changchun 130022, People's Republic of China. Tel.: +86 431 852628557; fax: +86 431 85698041.

E-mail address: zhoul@ciac.ac.cn (L. Zhou), yxzheng@nju.edu.cn (Y. Zheng).



Figure S1. Typical transient photocurrent signals for the electron of doped film (a), the hole of

doped film (b), the electron of co-doped film (c) and the hole of doped film (d).