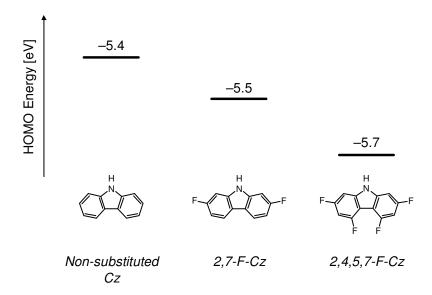
## **Supporting Information**

## Fluorinated Carbazole Derivatives as Wide-Energy-Gap Host Material for Blue Phosphorescent Organic Light-Emitting Diode

Yukitami Mizuno,\*† Isao Takasu,† Shuichi Uchikoga,† Shintaro Enomoto,† Tomoaki Sawabe,† Akio Amano,† Atsushi Wada,† Tomoko Sugizaki,† Jiro Yoshida,† Tomio Ono,† and Chihaya Adachi‡

- † Corporate Research & Development center, Toshiba Corp.
  - 1, Komukai-Toshiba-cho, Saiwai-ku, Kawasaki, 212-8582 (Japan)
- ‡ Center for Future Chemistry, Kyushu University

744 Motooka, Nishi, Fukuoka 819-0395 (Japan)



**Figure S1.** HOMO energy levels of non-substituted and fluorinated carbazoles. These data were estimated with photo-emission spectroscopy (Riken-Keiki, AC-3).