Supporting Information

Highly Twisted Triarylborane-based Biphenyl as Efficient Hosts for Blue and Green Phosphorescent OLEDs

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Figure S1. UV-Vis absorption and fluorescence spectra of \( o,o' \)-substituted biphenyls in cyclohexane.

Figure S2. UV-Vis absorption and fluorescence spectra of \( p,p' \)-substituted biphenyls in cyclohexane.

Figure S3. Cyclic voltammograms of \( o,o' \)-NPh₂ and \( p,p' \)-NPh₂.
**Figure S4.** TGA analysis of o,o’-NPh₂

**Figure S5.** Performance of phosphorescent OLEDs using p,p’-NPh₂ as a host: a) Plots of EQE (solid) and power efficiency (hollow) as a function of luminescence; b) Plots of current density (solid) and luminescence (hollow) as a function of voltage.