

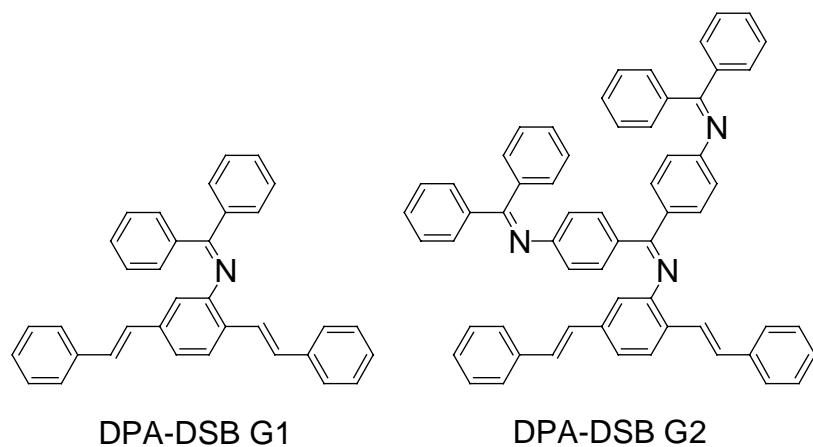
**Supporting Information**

**Synthesis and Electroluminescence Properties of Novel Main Chain Poly(*p*-phenylenevinylene)s Possessing Pendant Phenylazomethine Dendrons as Metal Ligation Sites**

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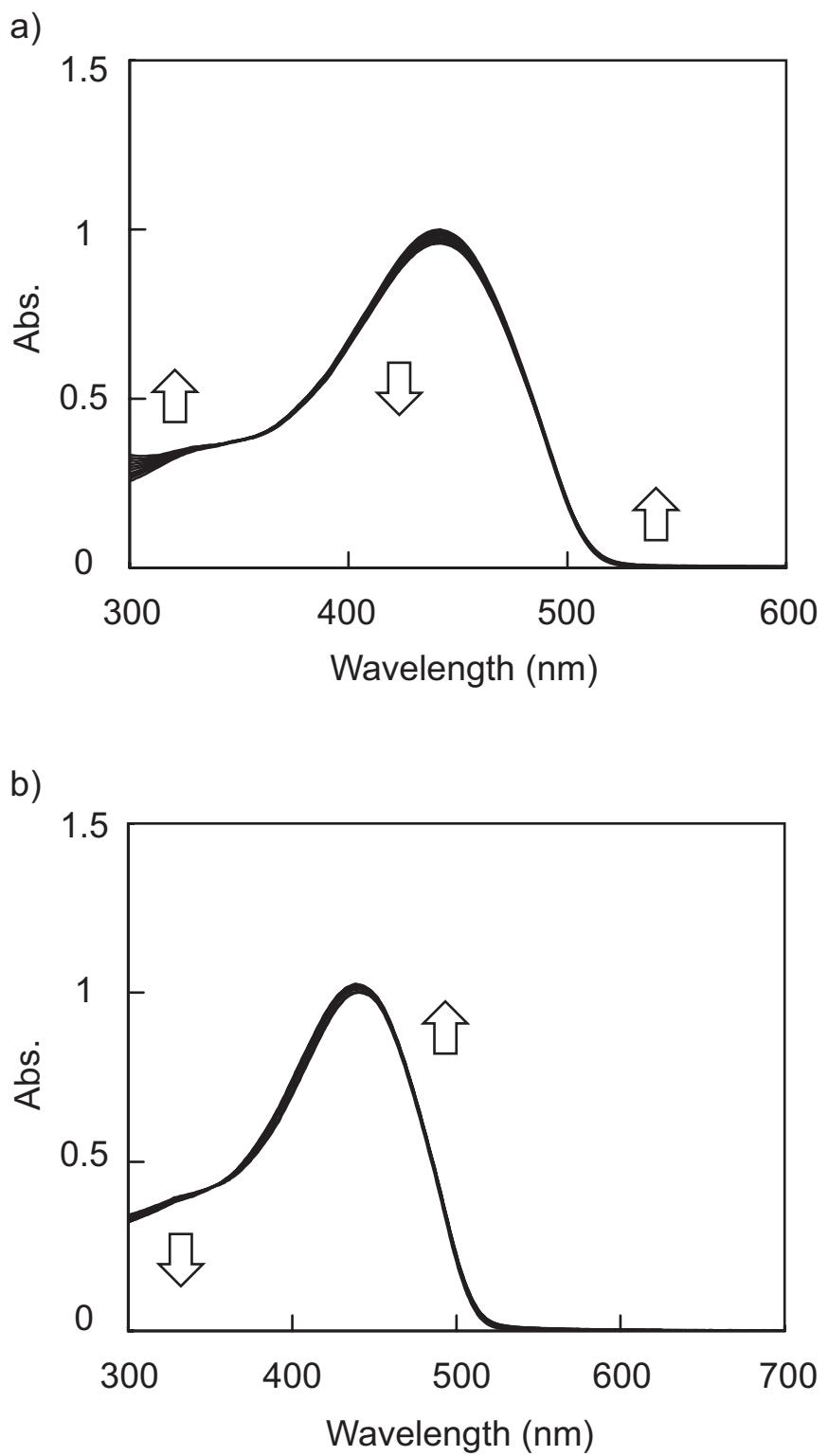
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**(1) Structures of the Model Compounds (DPA-DSB Gn).**



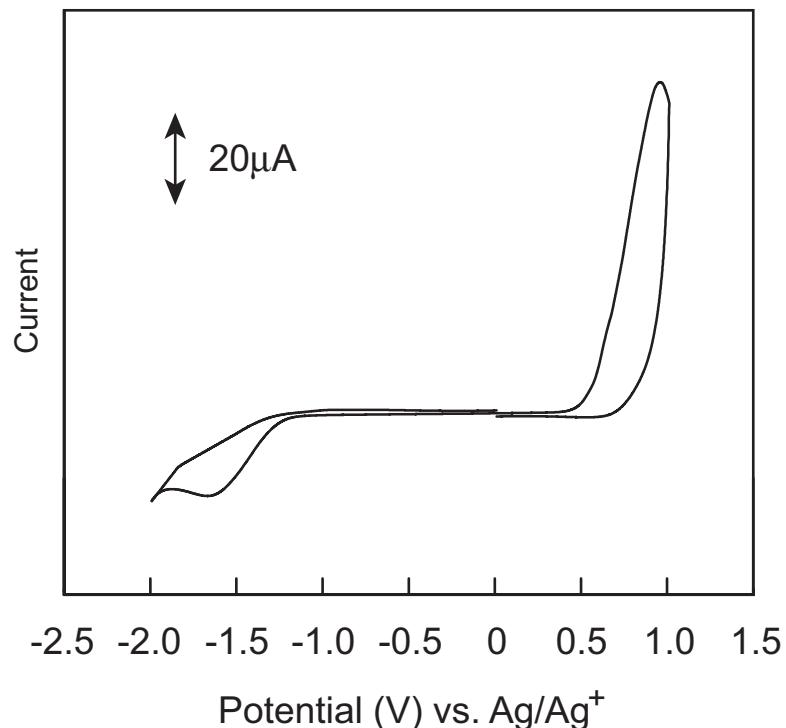
**Figure S1.** Structures of the model compounds (DPA-DSB Gn, n=1, 2).

## (2) Metal-Collecting Properties.

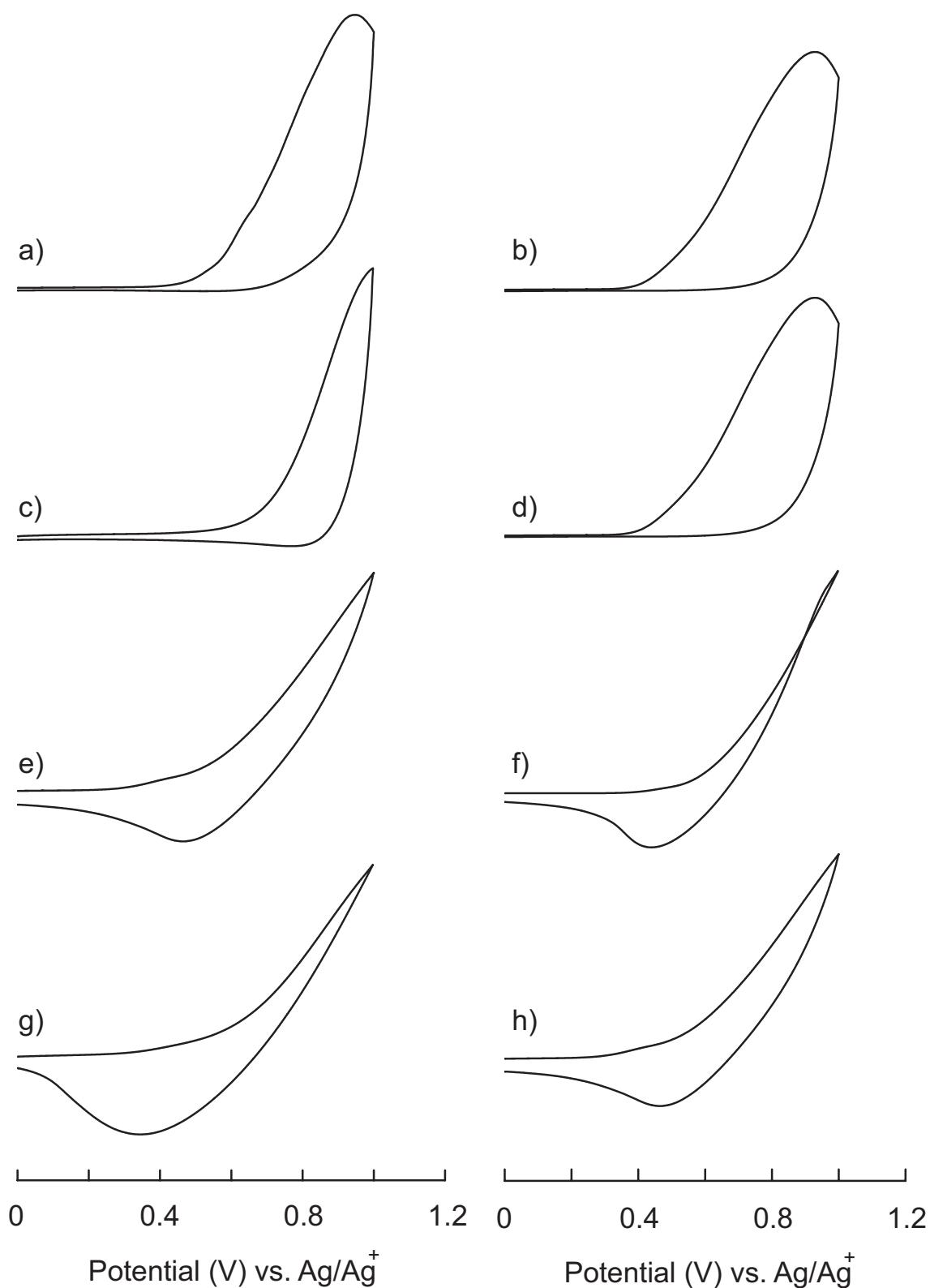


**Figure S2.** UV-vis spectra change in a) **2a** and b) **2b** complexed with  $\text{SnCl}_2$ .

### (3) Cyclic Voltammometric Studies

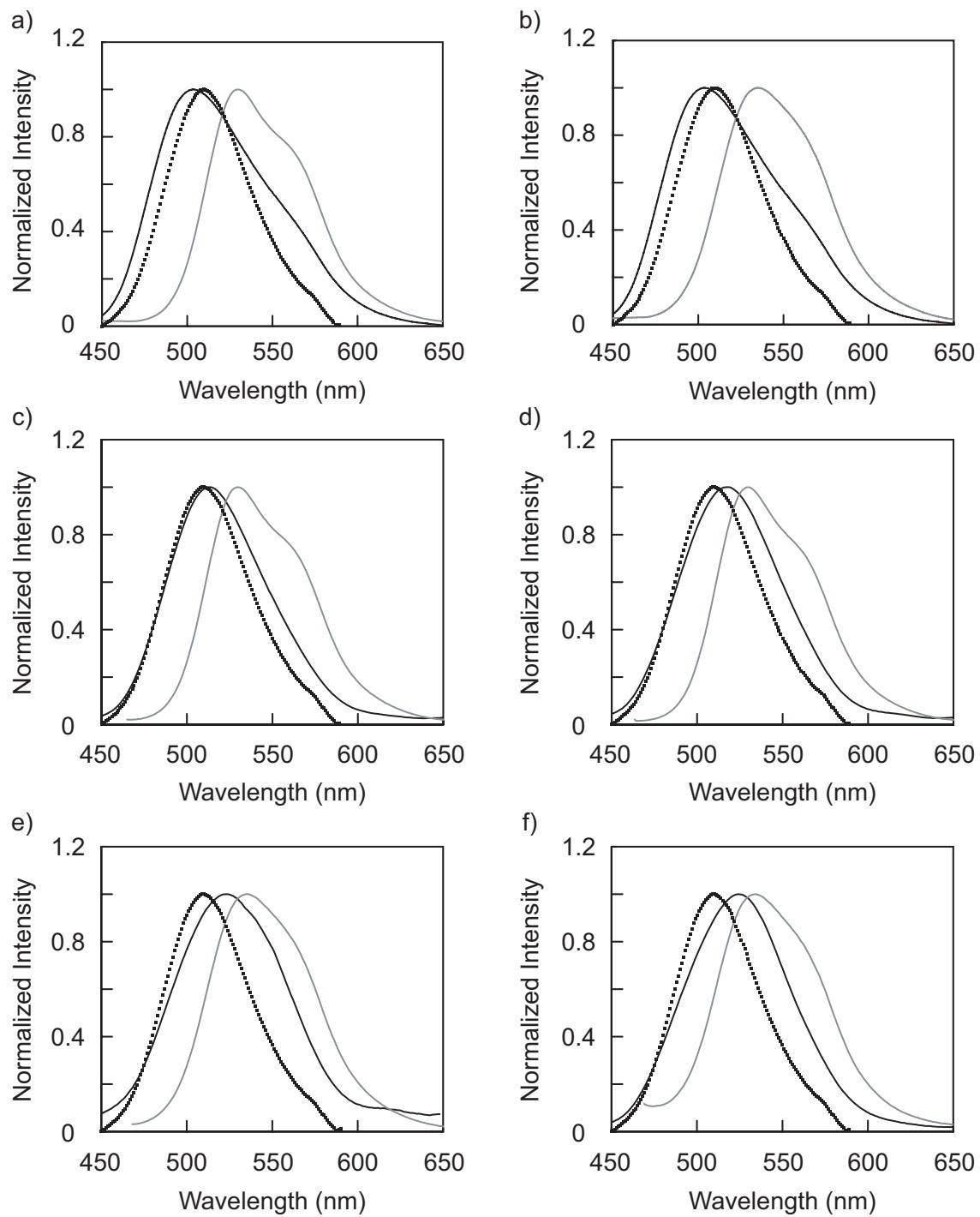


**Figure S3.** Cyclic voltammograms of **2a** with polymer film dip-coated on a Pt electrode in acetonitrile.



**Figure S4.** Cyclic voltammograms of (a) **2a**, (b) **2b**, (c) **2a + SnCl<sub>2</sub>**, (d) **2b + SnCl<sub>2</sub>**, (e) **3a**, (f) **3b**, (g) **3a + SnCl<sub>2</sub>**, and (h) **3b + SnCl<sub>2</sub>** with polymer film dip-coated on a Pt electrode in acetonitrile.

#### (4) Light Emitting Diodes.



**Figure S5.** EL (black solid line) and PL (gray solid line) spectra of a) type I with **2a**, b) type I with **2b**, c) type II with **2a**, d) type II with **2b**, e) type II with **2a** + SnCl<sub>2</sub>, and f) type II with **2b** + SnCl<sub>2</sub>. The dashed line shows PL spectra of Alq.