Supporting Information

Figure S1. FT-IR spectrum of Monomer 5.

Figure S2. $^1$H NMR spectrum of Monomer 5.
**Figure S3.** $^{13}$C NMR spectrum of Monomer 5.

**Figure S4.** $^1$H NMR spectrum of Boc-poly.
Figure S5. $^1$H NMR spectrum of poly-1.

Figure S6. $^1$H NMR spectrum of BF$_2$-poly.
Figure S7. $^1$H NMR spectrum of BPh$_2$-poly.

Figure S8. $^{13}$C NMR spectrum of BF$_2$-poly.
Figure S9. $^{13}$C NMR spectrum of BPh$_2$-poly.

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