## (Supporting Information)

## Macromolecular Chirality Induction on Optically Inactive Poly(4-carboxyphenyl isocyanide) with Chiral Amines: A Dynamic Conformational Transition of Poly(phenyl isocyanide) Derivatives

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**Figure S-1.** CD titrations in the complexation of poly-1 (1 mg/mL) with (1S,2R)-9 (A) and (*R*)-4 (B) in DMSO at ambient temperature (ca. 20 - 25 °C).



Figure S-2. Changes in the CD intensity of the complexes of poly-1 with (R)-6 (A) and (1R,2S)-9 (B) at various temperatures in DMSO with a poly-1 concentration of 1.0 mg/mL; molar ratio of amines to monomeric unit of poly-1 is 20 (6) and 50 (9), respectively.



**Figure S-3.** Time-dependent <sup>1</sup>H NMR changes of poly-1-Et (10 mg/mL) in CDCl<sub>3</sub> at 30 °C (left). Curve fitting results are also shown (right).



**Figure S-4.** Time dependent <sup>13</sup>C NMR spectral changes of poly-1-Et in  $CDCl_3$  at 30 °C after 0 (a) and 28 days (b).







