Supporting Information

Folding Construction of Doubly-fused Tricyclic, β- and γ-Graph Polymer Topologies with *kyklo*-Telechelic Precursors Obtained through An Orthogonal Click/ESA-CF Protocol

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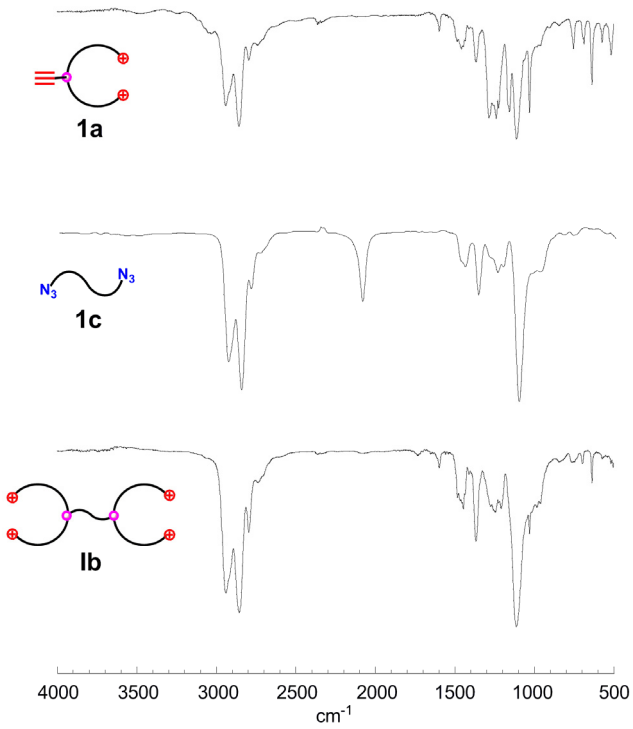

Figure S1. IR spectra of (top) **1a**/$CF_3SO_3^-$, (middle) **1c**, and (bottom) **Ib**/$CF_3SO_3^-$.

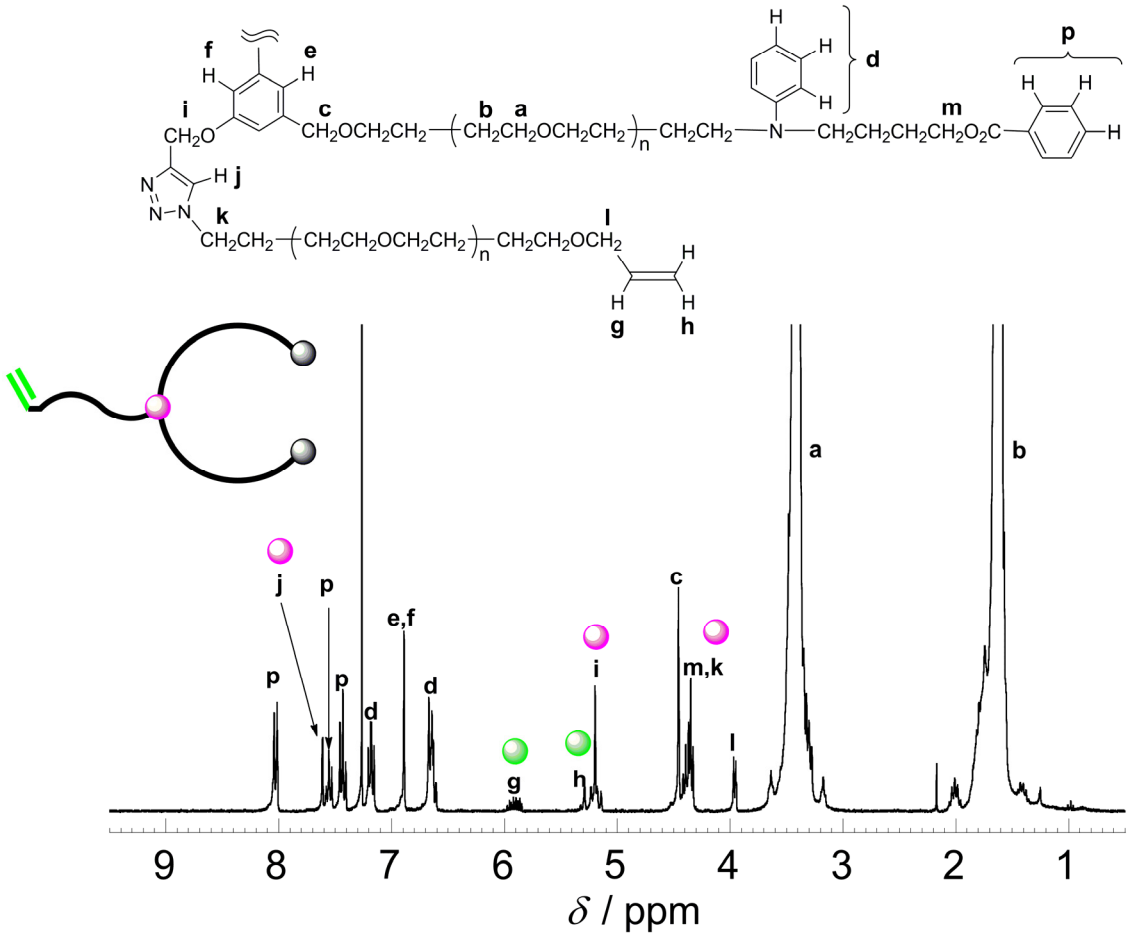

Figure S2. 300 MHz ^{1}H NMR spectra of **Ia**, measured after the covalent conversion of *N*-phenylpyrrolidinium salt end groups by the ring-opening reaction with a benzoate anion. ($CDCl_3$, 40 °C)

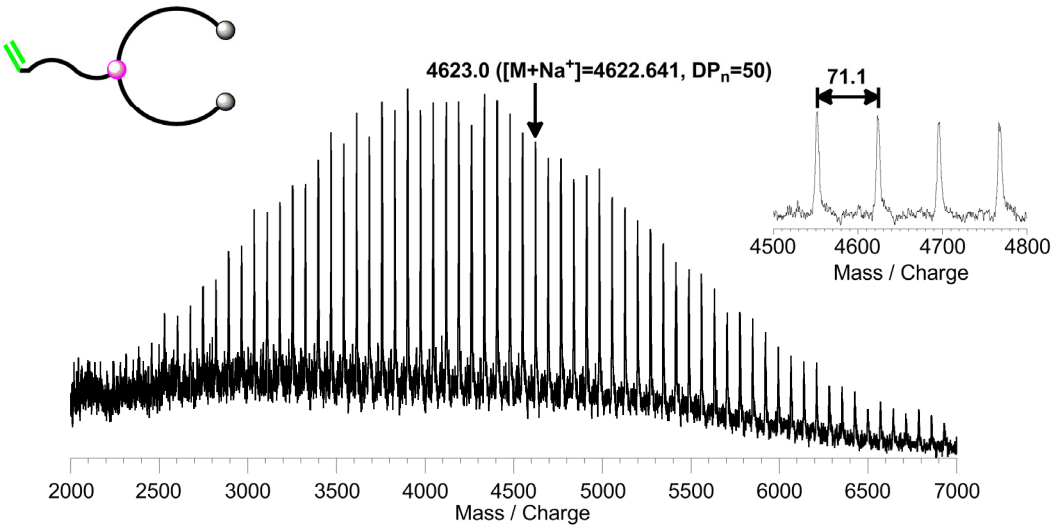

Figure S3. MALDI-TOF mass spectra of **Ia**, measured after the covalent conversion of *N*-phenylpyrrolidinium salt end groups by the ring-opening reaction with a benzoate anion. (Linear mode, matrix: dithranol with sodium trifluoroacetate. DP_n denotes the number of monomer units in the product.)

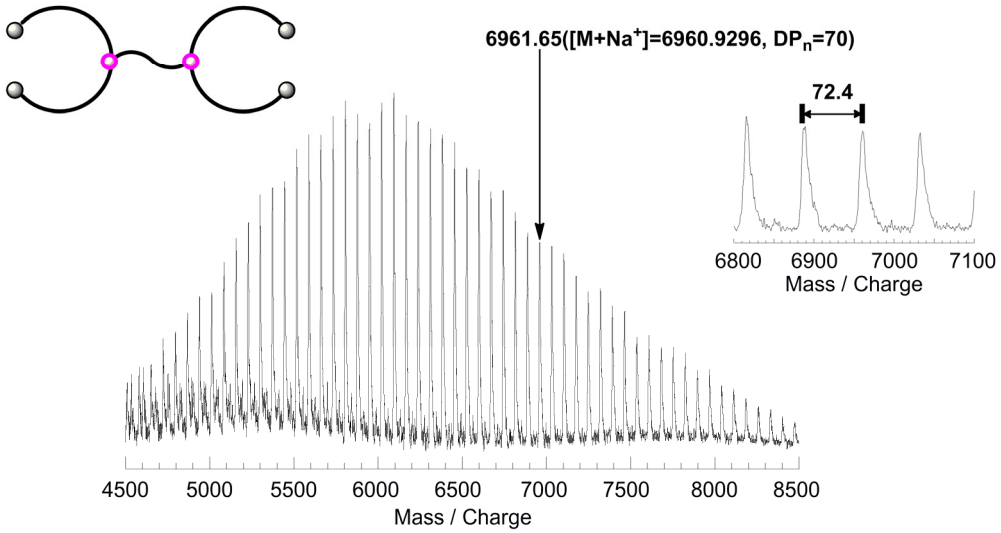

Figure S4. MALDI-TOF mass spectra of **Ib**, measured after the covalent conversion of *N*-phenylpyrrolidinium salt end groups by the ring-opening reaction with a benzoate anion. (Linear mode, matrix: dithranol with sodium trifluoroacetate. DP_n denotes the number of monomer units in the product.)

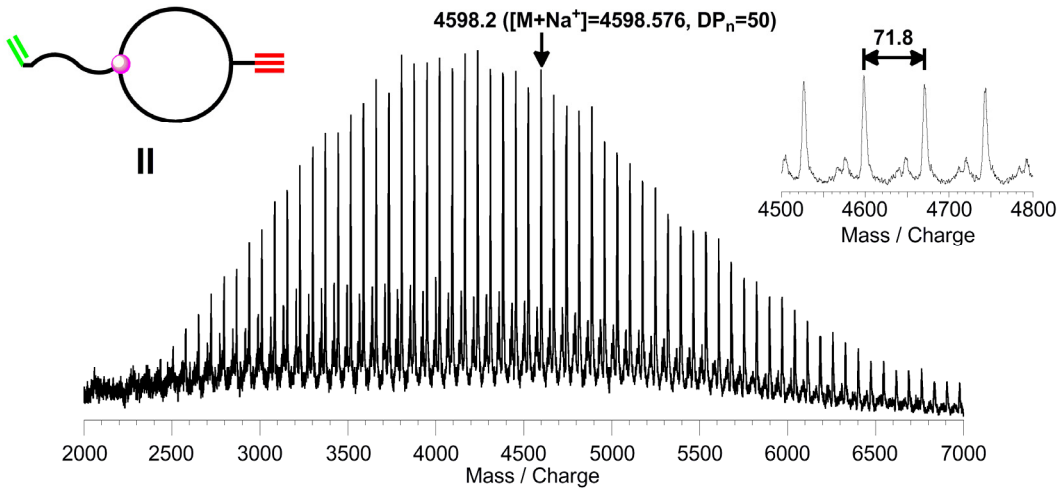

Figure S5. MALDI-TOF mass spectra of **II**. (Linear mode, matrix: dithranol with sodium trifluoroacetate. DP_n denotes the number of monomer units in the product.)

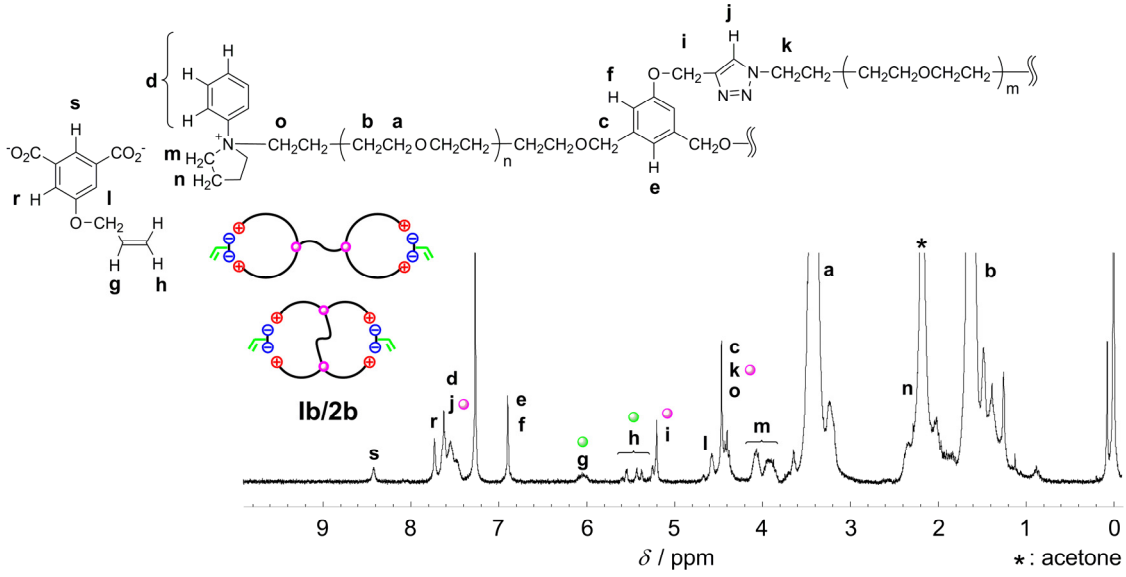

Figure S6. 300 MHz ^{1}H NMR spectra of **Ib**/**2b**. ($CDCl_3$, 40 °C)