Supplementary Information

Synthesis of block copolymers using end-functionalized polyacetylenes as macroinitiators

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Fig. S1 $^1$H NMR (400 MHz) spectrum of poly(1a) measured in CDCl$_3$. 
Fig. S2 IR spectrum of poly(1a).
Fig. S3 SEC curve of poly(1a) (Sample: Table 1, run 1).
Fig. S4 SEC curve of poly(1a) (Sample: Table 1, run 2).
Fig. S5 $^1$H NMR (400 MHz) spectrum of poly(1b) measured in CDCl$_3$. 
Fig. S6 IR spectrum of poly(1b).
Fig. S7 SEC curve of poly(1b) (Sample: Table 1, run 5).
Fig. S8 $^1$H NMR (400 MHz) spectrum of poly(1c) measured in CDCl$_3$. 
Fig. S9 IR spectrum of poly(1c).
Fig. S10 SEC curve of poly(1c) (Sample: Table 1, run 7).
Fig. S11 $^1$H NMR (400 MHz) spectrum of Si coupled poly(1a) measured in CDCl$_3$. 
Fig. S12 SEC curve of poly(1a) before Si coupling.
Fig. S13 SEC curve of poly(1a) after Si coupling.
Fig. S14 $^1$H NMR (400 MHz) of poly(1a)-block-poly(2a) measured in CDCl$_3$. 
Fig. S15 IR spectrum of poly(1a)-block-poly(2a).
Fig. S16 SEC curve of poly(1a)-block-poly(2a).
Fig. S17 $^1$H NMR (400 MHz) spectrum of poly(1a)-block-poly(2b) measured in CDCl$_3$. 
Fig. S18 IR spectrum of poly(1a)-block-poly(2b).
Fig. S19 SEC curve of poly(1a)-block-poly(2b).
Fig. S20 $^1$H NMR (400 MHz) spectrum of poly(1b)-block-poly(2a) measured in CDCl$_3$. 
Fig. S21 IR spectrum of poly(1b)-block-poly(2a).
Fig. S22 SEC curve of poly(1b)-block-poly(2a).
Fig. S23 $^1$H NMR (400 MHz) spectrum of poly(1c)-block-poly(2b) measured in CDCl$_3$. 
Fig. S24 IR spectrum of poly(1c)-block-poly(2b).
Fig. S25 SEC curve of poly(1c)-block-poly(2b).
Fig. S26 $^1$H NMR (400 MHz) spectrum of poly(2a) measured in CDCl$_3$. 
Fig. S27 IR spectrum of poly(2a).