Supplementary Materials

Polydiacetylene ribbons formed using the controlled evaporative self-assembly (CESA) method

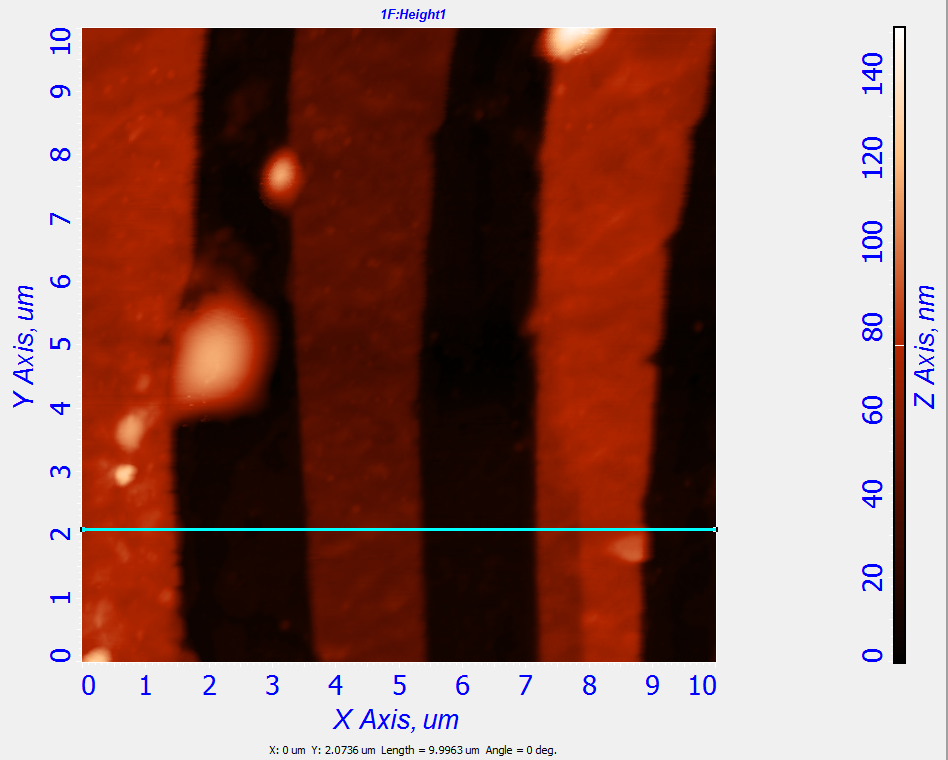
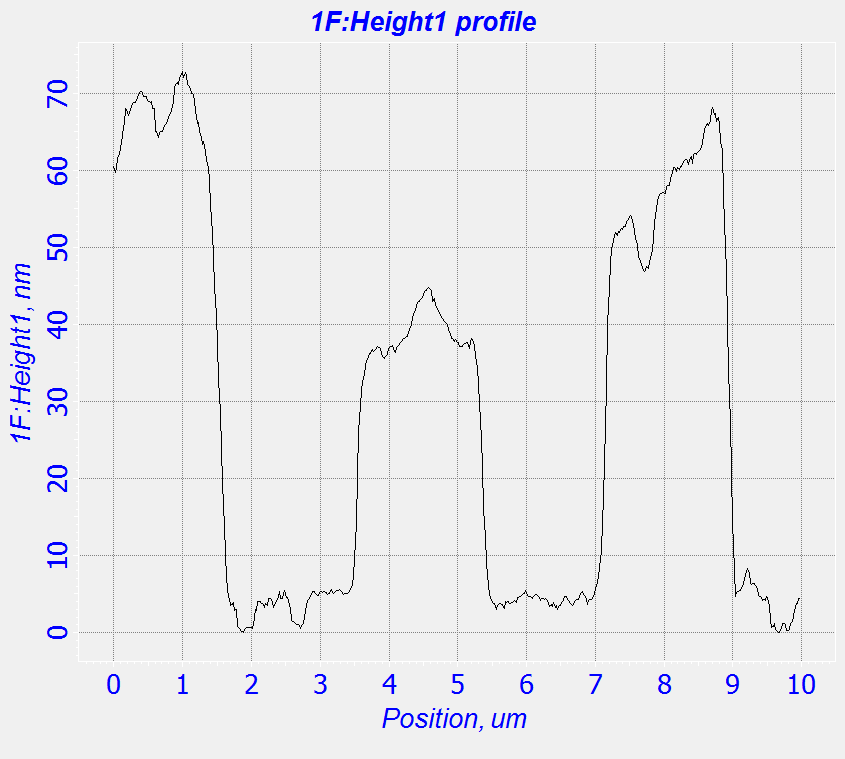
E. Van Keuren,1\* C. Pornrungroj,2 C. Fu, 2 X. Zhang, 1 S. Okada, 3 H. Katsuyama,3 K. Kikuchi,3 T. Onodera, 2 H. Oikawa2

1 Department of Physics and Institute for Soft Matter Synthesis and Metrology, Georgetown University, Washington DC 20057, USA

2 Institute of Multidisciplinary Research for Advanced Materials (IMRAM), Tohoku University, 2-1-1 Katahira, Aoba-ku, Sendai 980-8577, Japan

3 Graduate School of Organic Materials Science, Yamagata University, 3-16 Jonan, Yonezawa 982-8510, Japan

\* Author for correspondence, [email: erv@georgetown.edu](mailto:email:%20erv@georgetown.edu)

1. (b)

Figure S1: (a) AFM 3d rendered image and (b) height profile of poly(DCHD) ribbons.

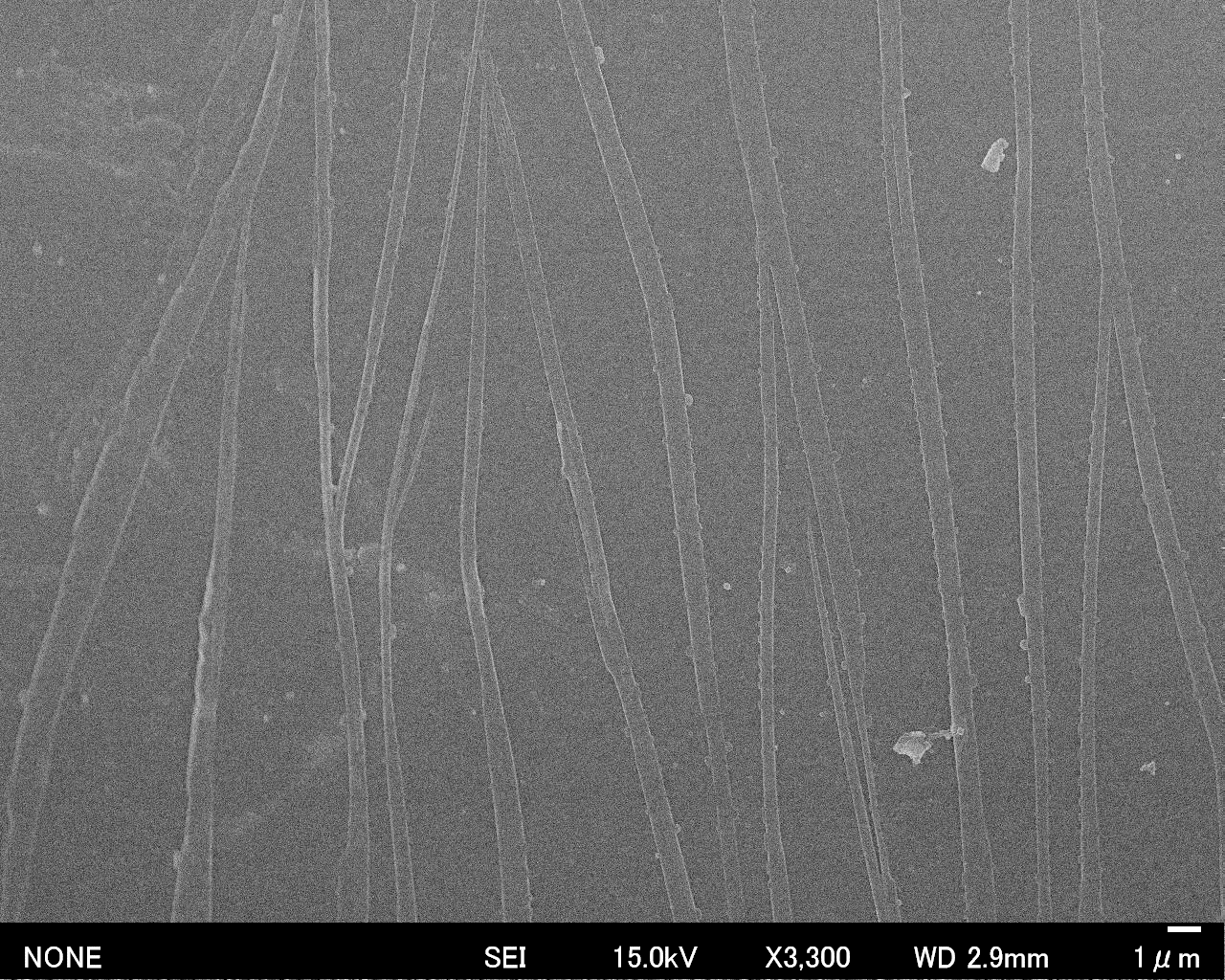


Figure S2: SEM image of poly(DCHD) ribbons (horizontal contact line, motion of contact line from bottom to top of image).



Figure S3: Powder X-ray diffraction patterns from polydiacetylene nanofibers (PDA NFs), polydiacetylene (PDA) bulk crystals and diacetylene (DA) crystals

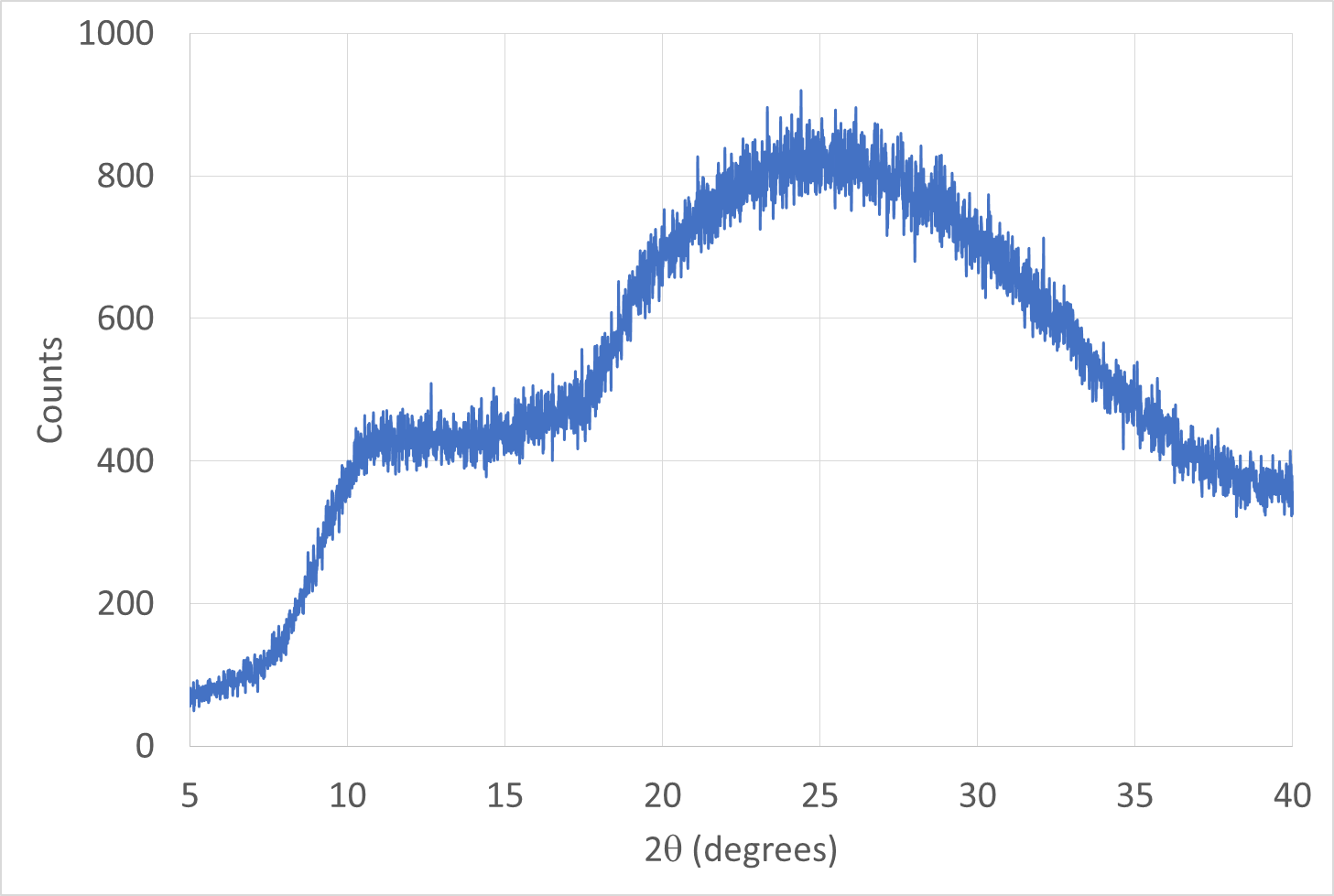
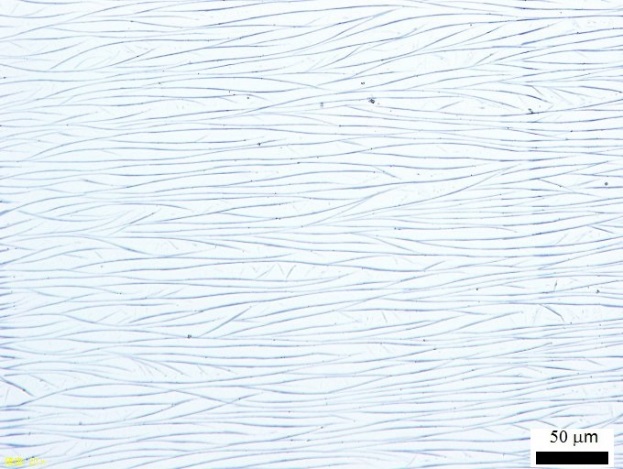
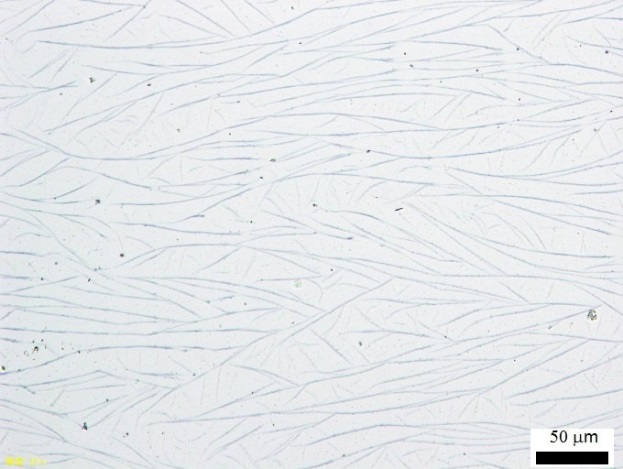


Figure S4: X-ray diffraction from the glass substrate.

(a) (b)

Figure S5: Images of poly(DCHD) ribbons with initial concentration of 0.2 mM (a) and 0.05 mM (b). The motion of the contact line was from left to right.