**Electronic Supplementary Information**

“Scanning tunneling microscopy study of one-dimensional o-phthalaldehyde chain reactions on the Si(100)-2x1:H surface”

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**Figure S1.** Several cross-sectional profiles and the average of the profiles for the type A nanostructures. Each of the profiles is offset vertically for clarity.
Figure S2. Several cross-sectional profiles and the average of the profiles for the type B nanostructures. Each of the profiles is offset vertically for clarity.
Figure S3. Several cross-sectional profiles and the average of the profiles for the type C nanostructures. Each of the profiles is offset vertically for clarity.