Electronic Supplementary Material (ESI) for Nanoscale.
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Supporting Information

Experimental realization of coexisting states of rolled-up and wrinkled nanomembranes by strain and etching control

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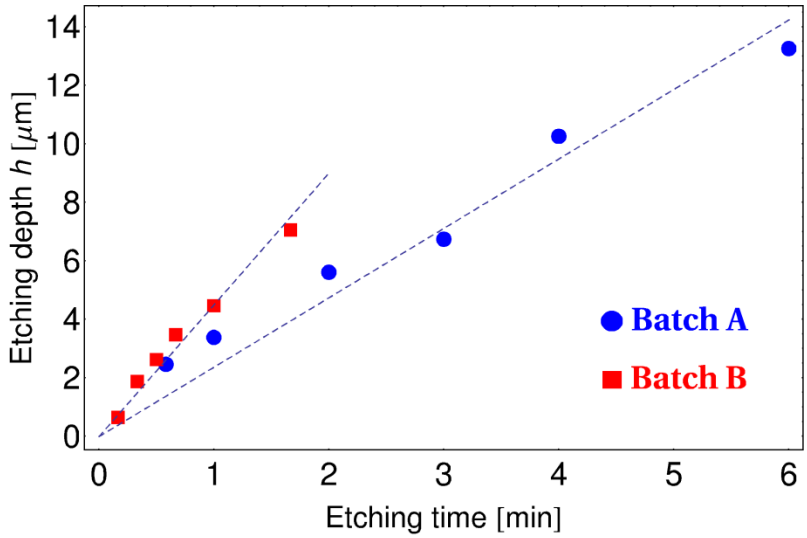

Figure S1. Etching depth as a function of etching time along with linear fits (dashed lines). Bottom tables show extracted etching depths for measured etching times and batch A and B.

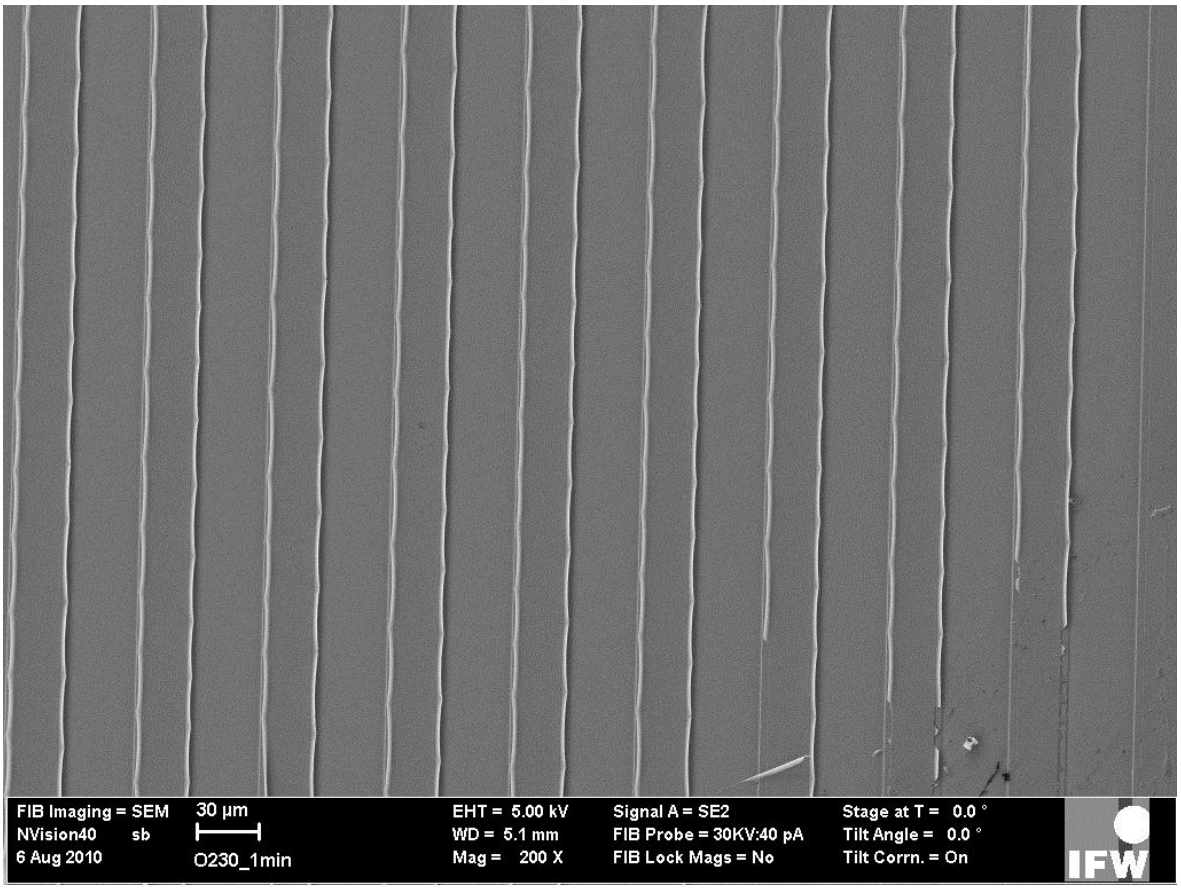

Figure S2. Top view SEM image of sample h=3.4 μm showing homogeneity of the observed wrinkle wavelength

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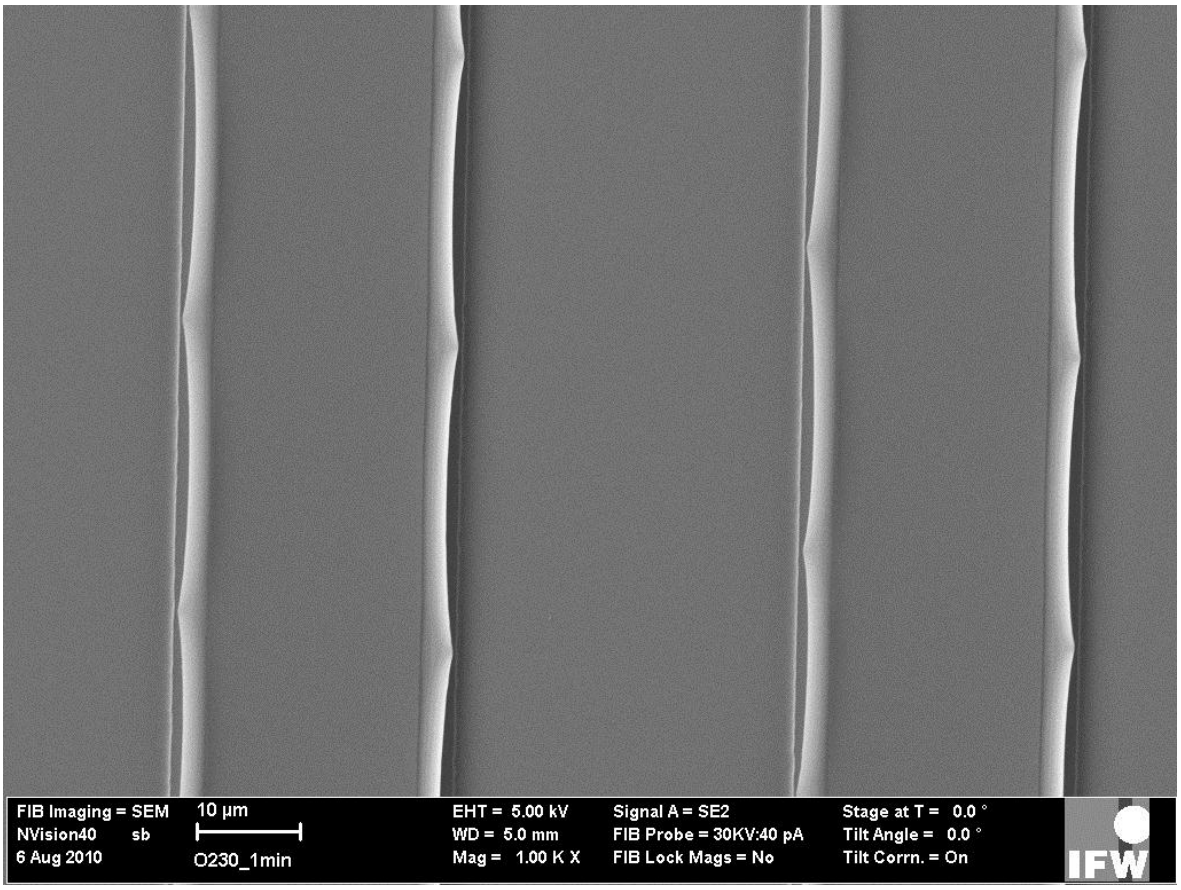

Figure S3. Zoomed top view SEM image of sample *h*=3.4 µm.

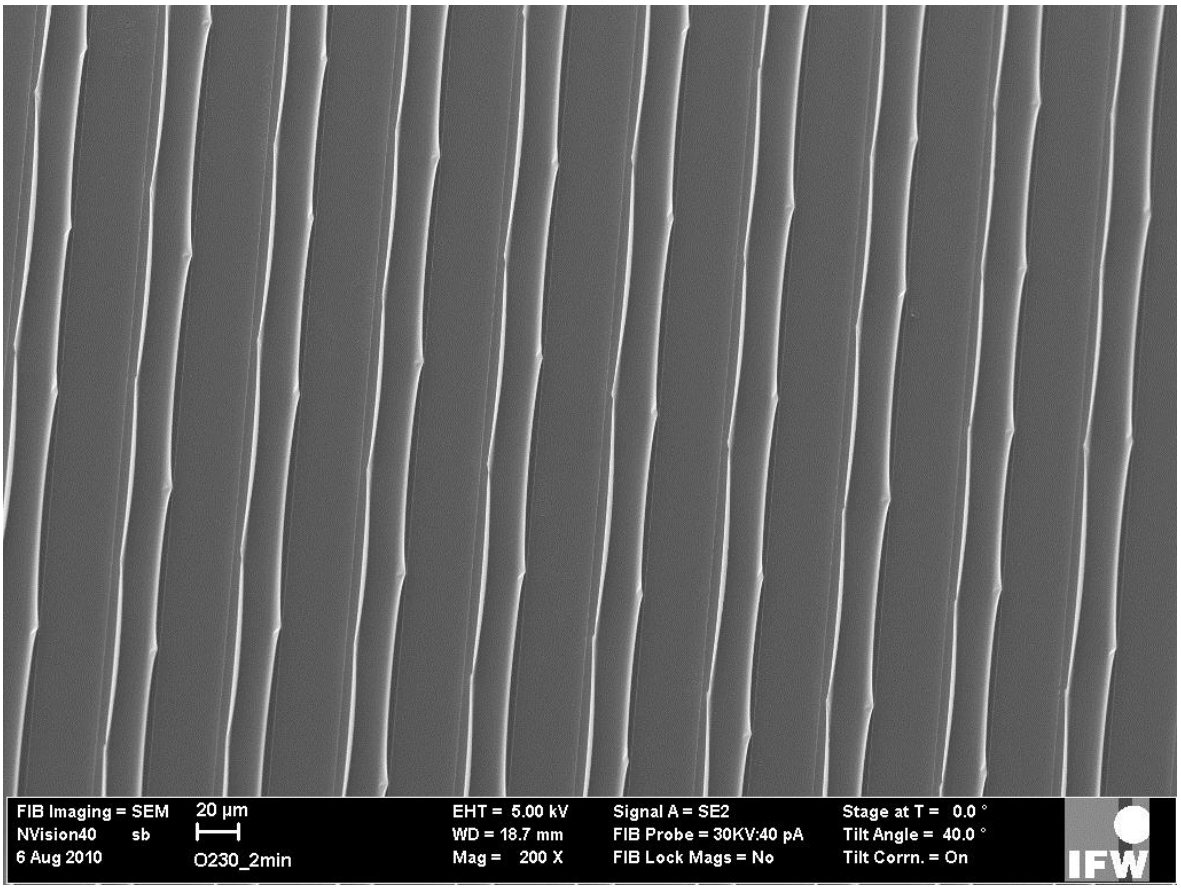

Figure S4 Top view SEM image of sample *h*=5.7 µm.

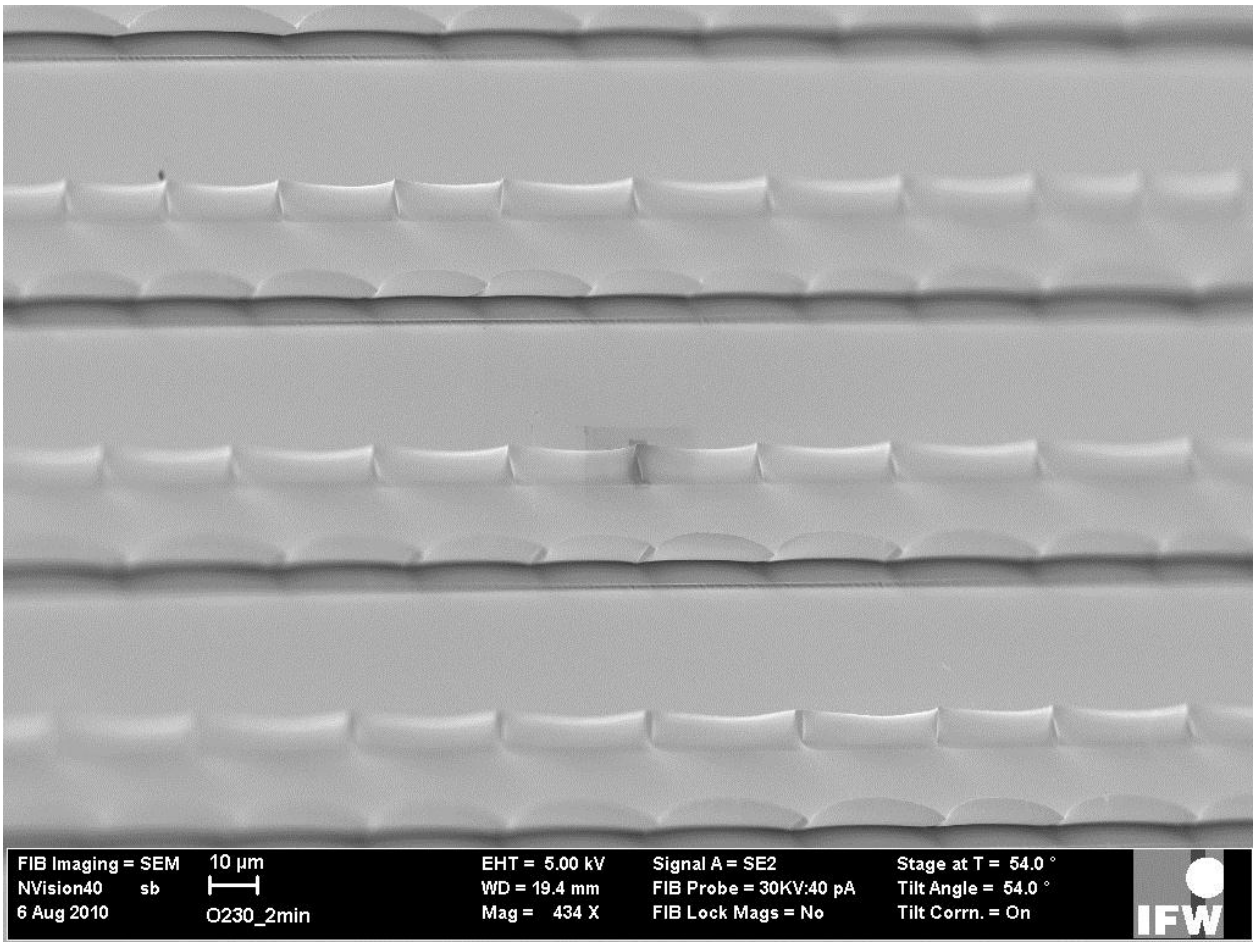

Figure S5 Side view SEM image of sample *h*=5.7 µm.

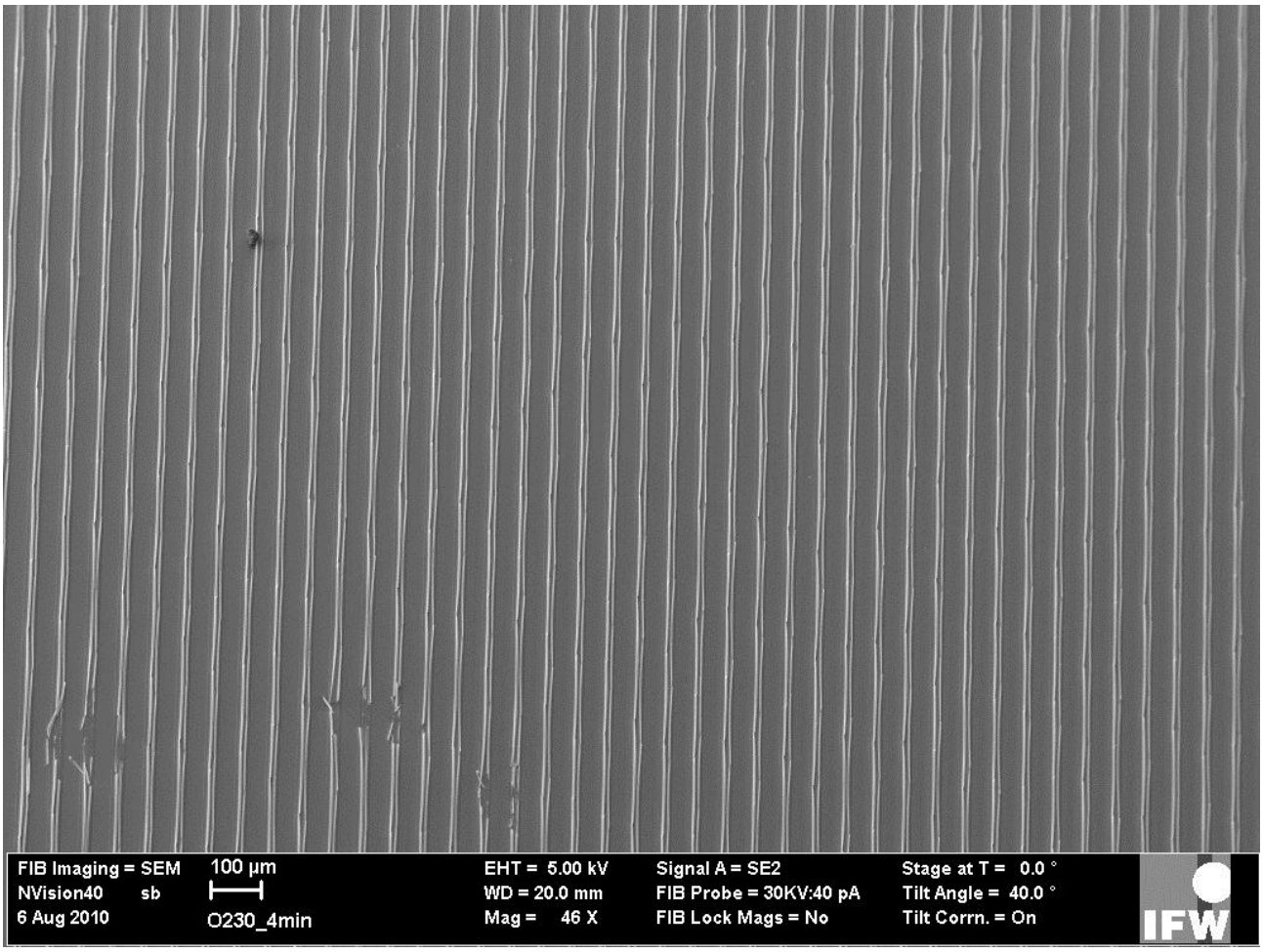

Figure S6 Side view SEM image of sample *h*=10.3 μm.

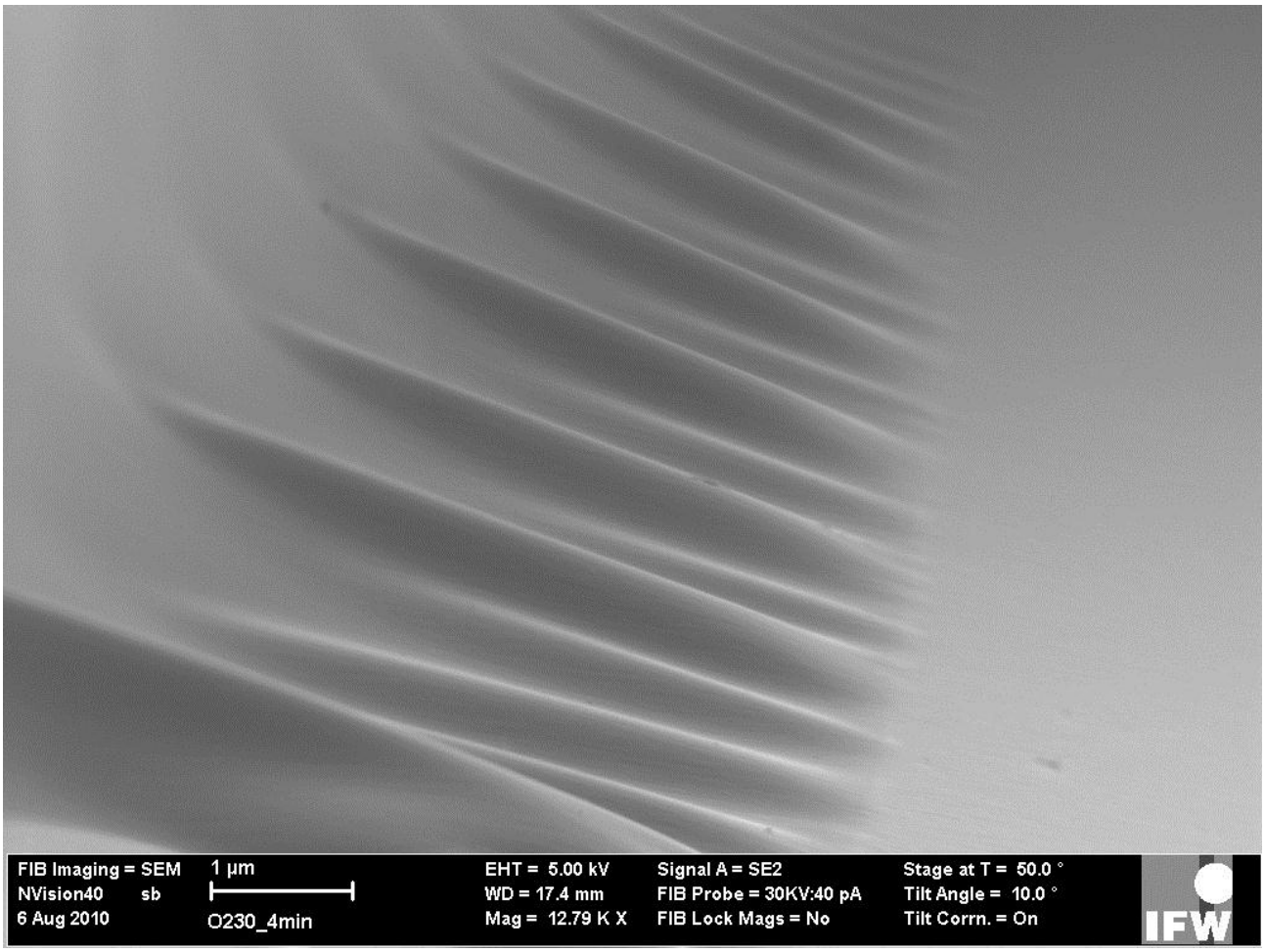

Figure S7 Zoom of self-similar wrinkles near confining boundary for sample h=10.3 µm.

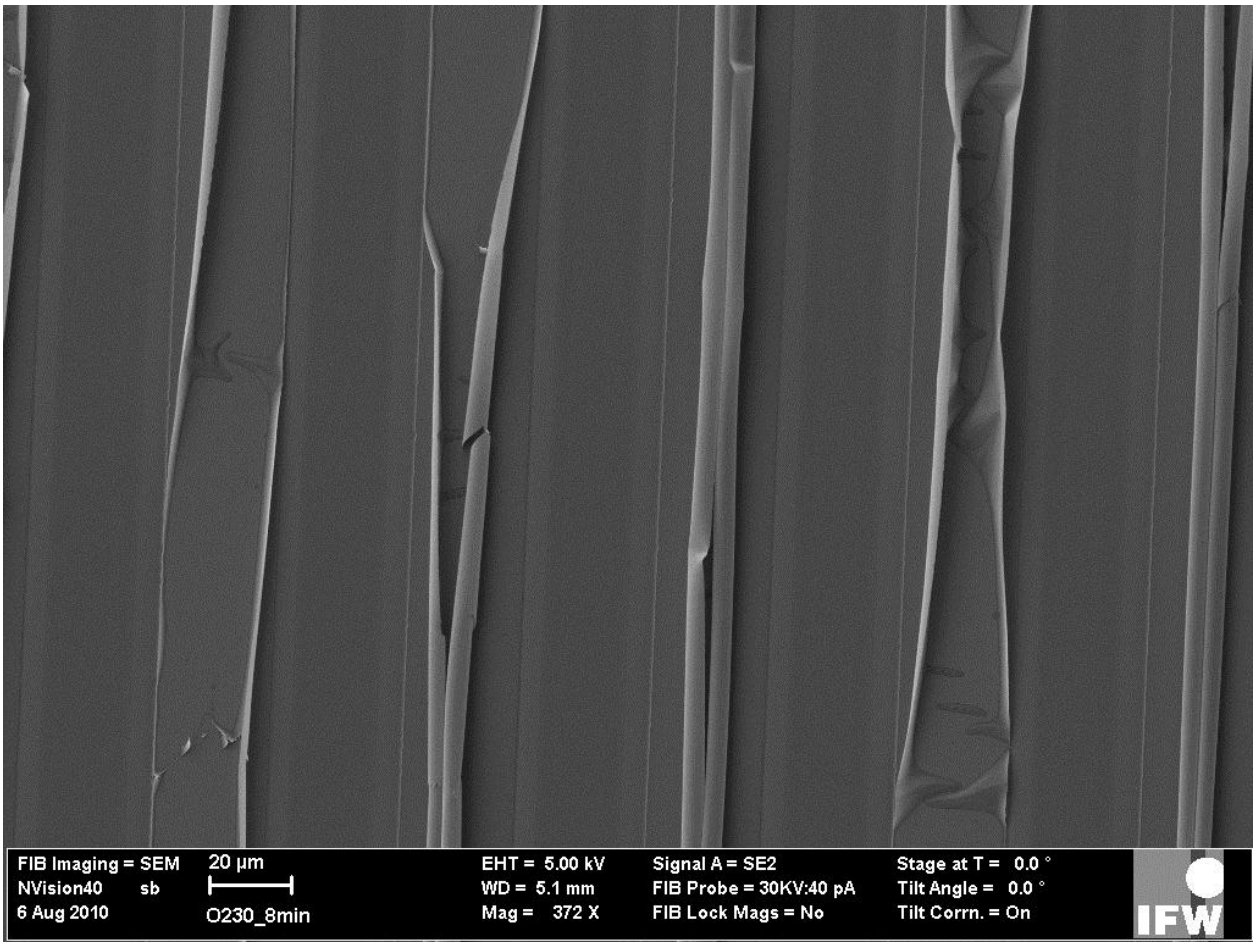

Figure S8 Cracked NMs in the sample h=20.6 µm.

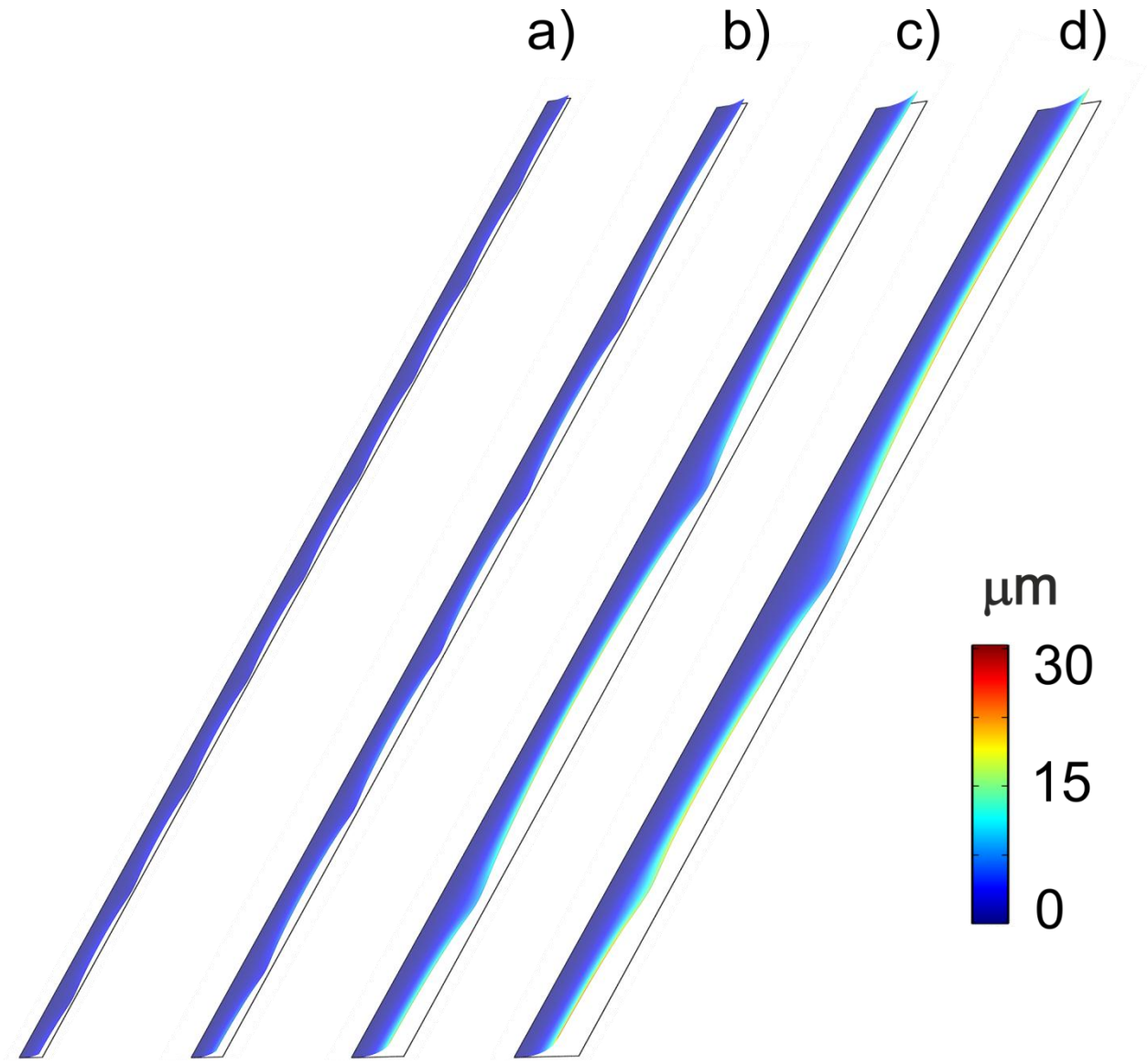

Figure S9 Total deformation of bilayer from batch A calculated with the FEM method for a) *h*=2.5 μm b) *h*=3.4 μm c) *h*=5.7 μm d) *h*=10.3 μm and common color scale for deformation. Initial strain was $\varepsilon_1 = -0.25\%$ and $\varepsilon_2 = 0\%$.