

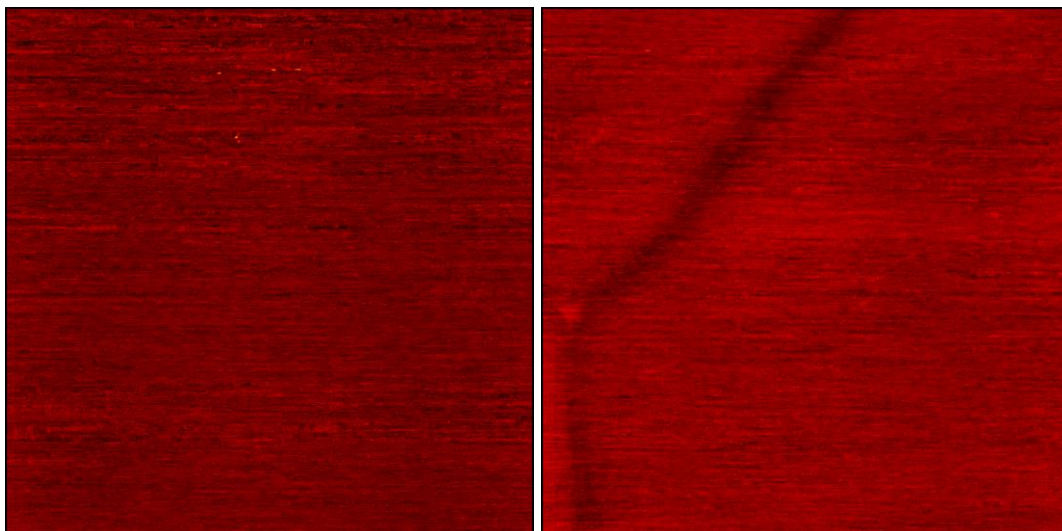
# Supplementary Materials

## **Magnesium-Free Immobilization of DNA Origami Nanostructures at Mica Surfaces for Atomic Force Microscopy**

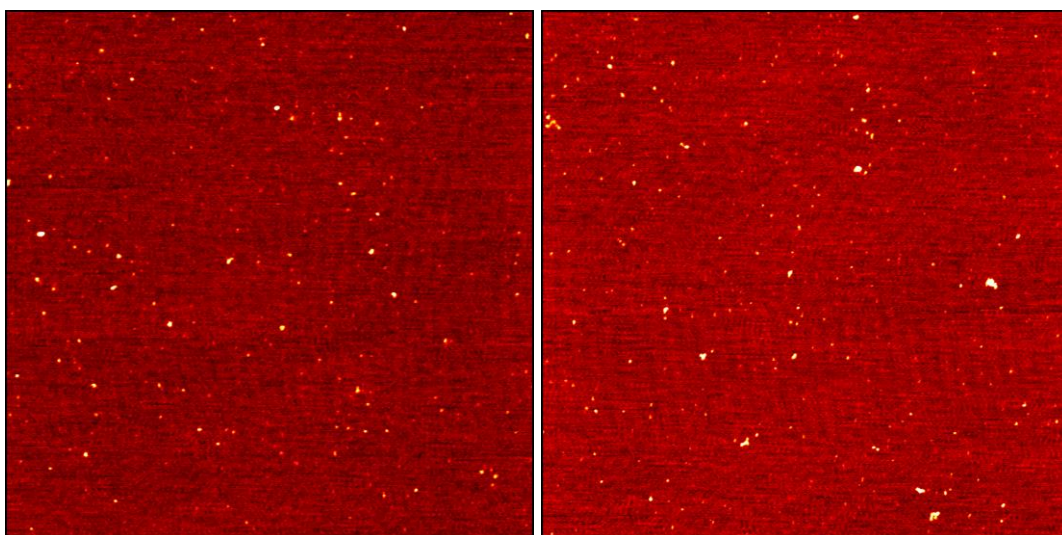
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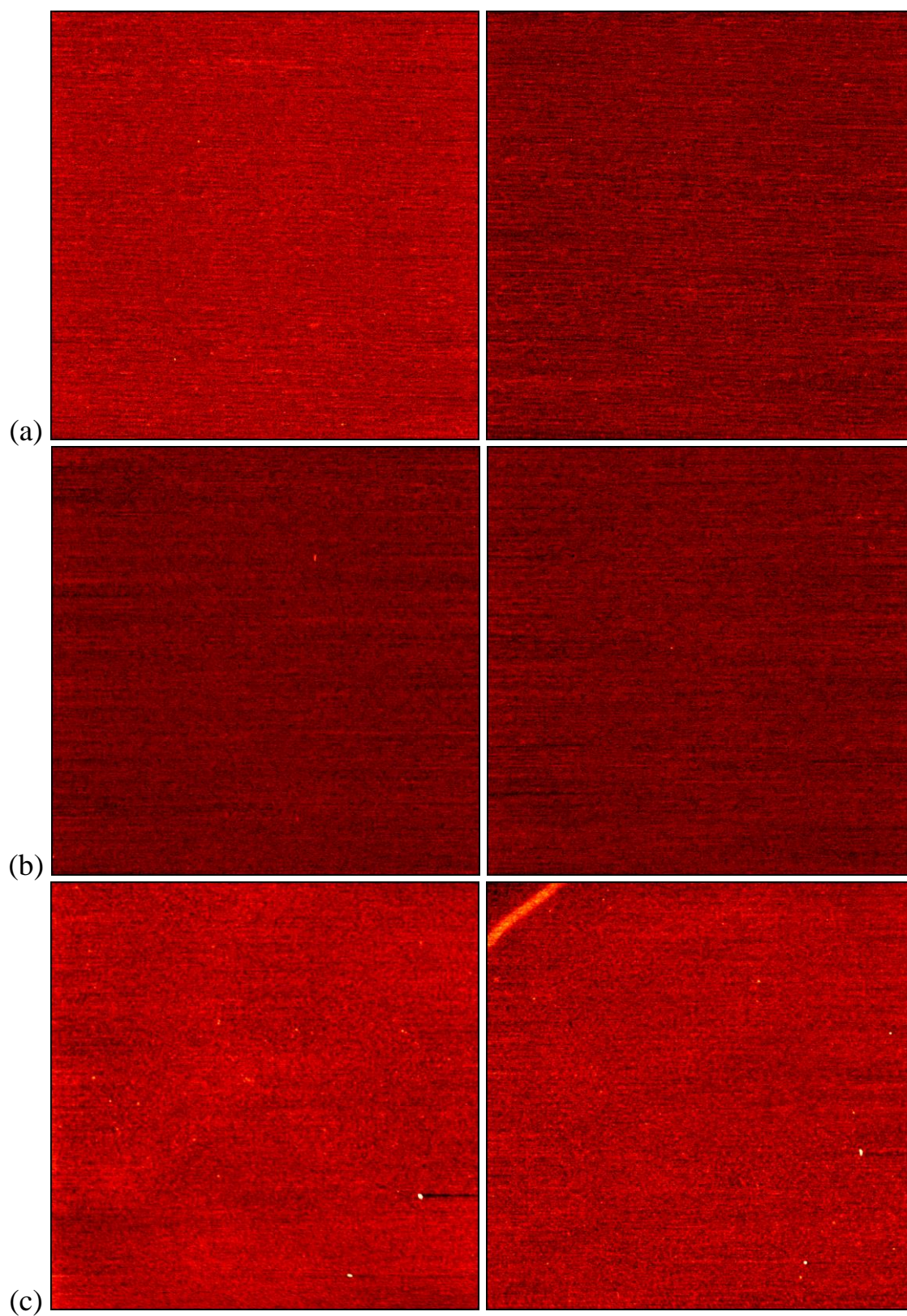
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**Figure S1:** Additional AFM images of the freshly cleaved mica surface. Images are  $3 \times 3 \mu\text{m}^2$  and have a height scale of 1.5 nm.

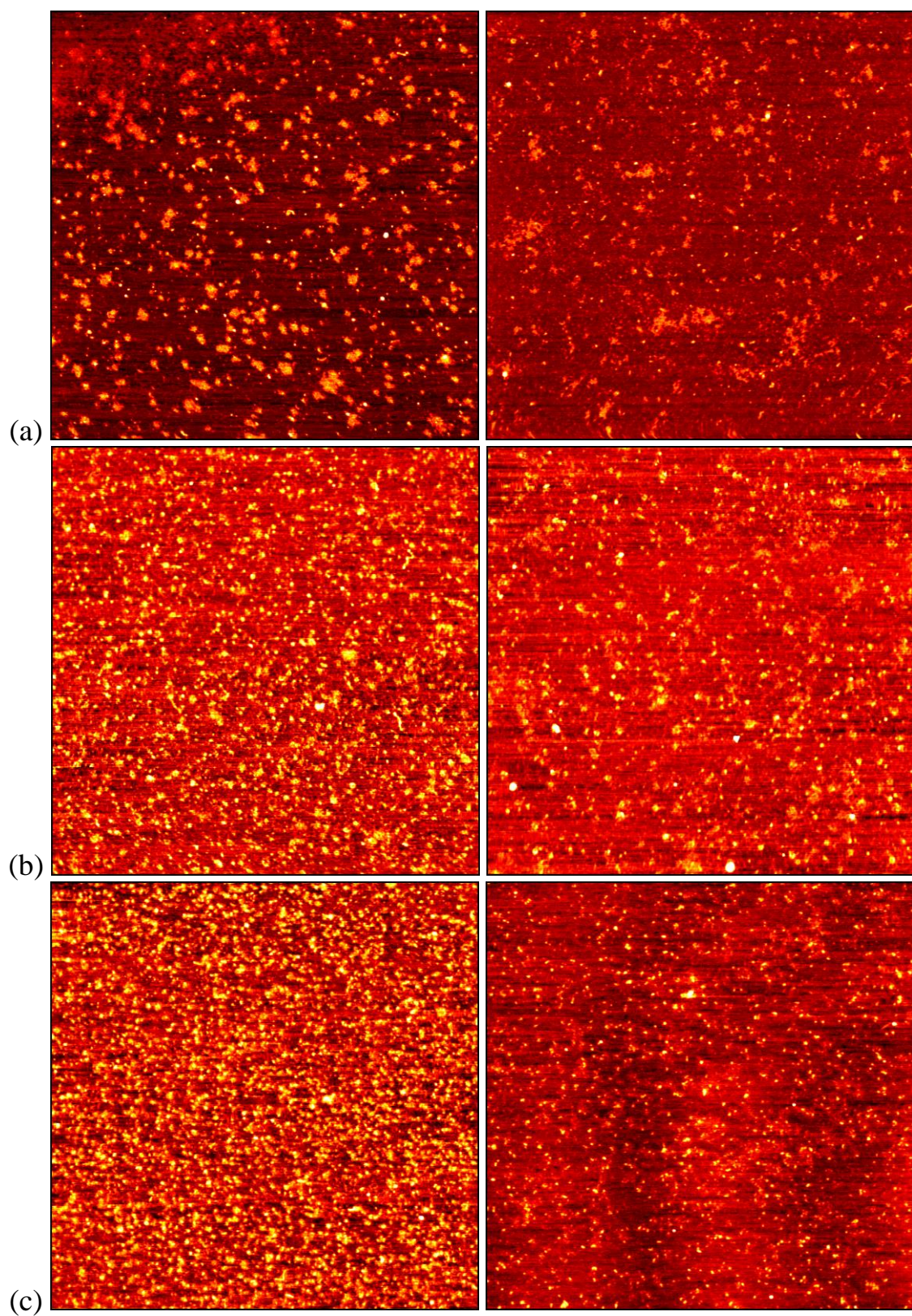


**Figure S2:** Additional AFM images of the  $\text{Ni}^{2+}$ -modified mica surface. Images are  $3 \times 3 \mu\text{m}^2$  and have a height scale of 1.5 nm.



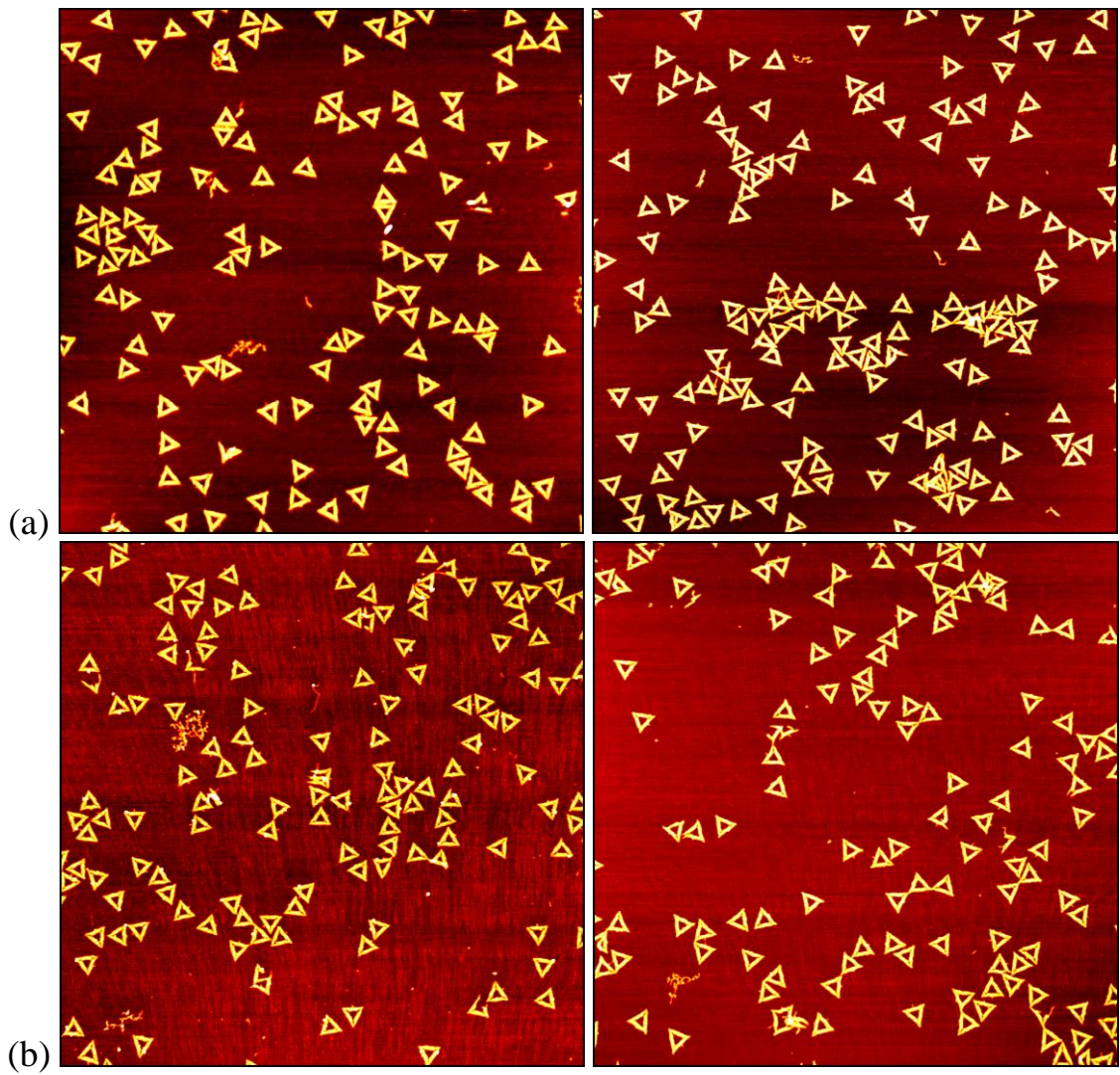
**Figure S3:** Additional AFM images of the PLL-modified mica surface before (a) and after exposure to PBS (b) and H<sub>2</sub>O (c). Images are  $3 \times 3 \mu\text{m}^2$  and have a height scale of 1.5 nm.



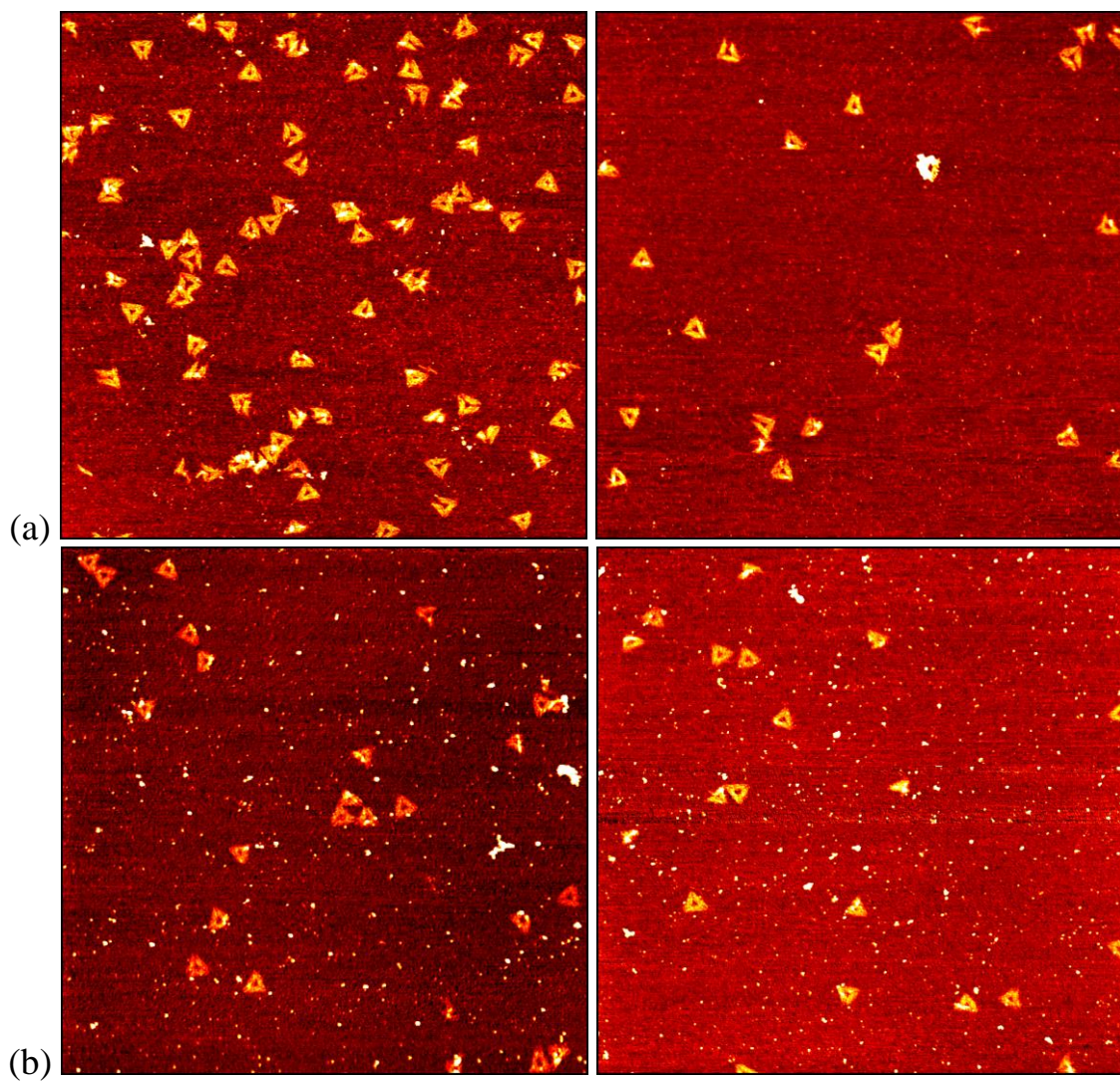


**Figure S4:** Additional AFM images of the Spdn-modified mica surface before (a) and after exposure to PBS (b) and H<sub>2</sub>O (c). Images are  $3 \times 3 \mu\text{m}^2$  and have a height scale of 1.5 nm.



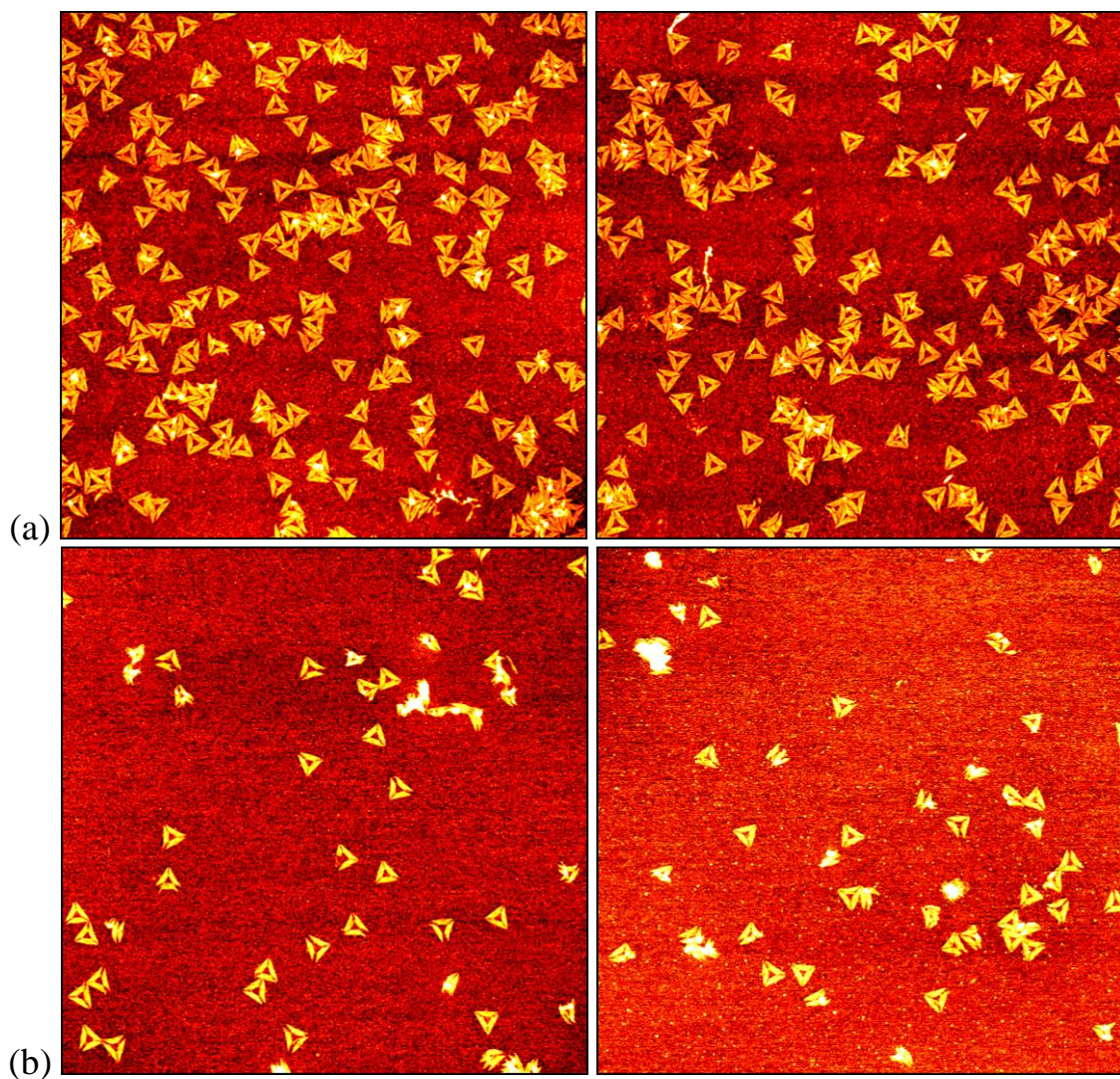


**Figure S5:** Additional AFM images of DOTs adsorbed from PBS (a) and H<sub>2</sub>O (b) via  $Mg^{2+}$  addition at the mica surface. Images are  $3 \times 3 \mu m^2$  and have a height scale of 2.5 nm.



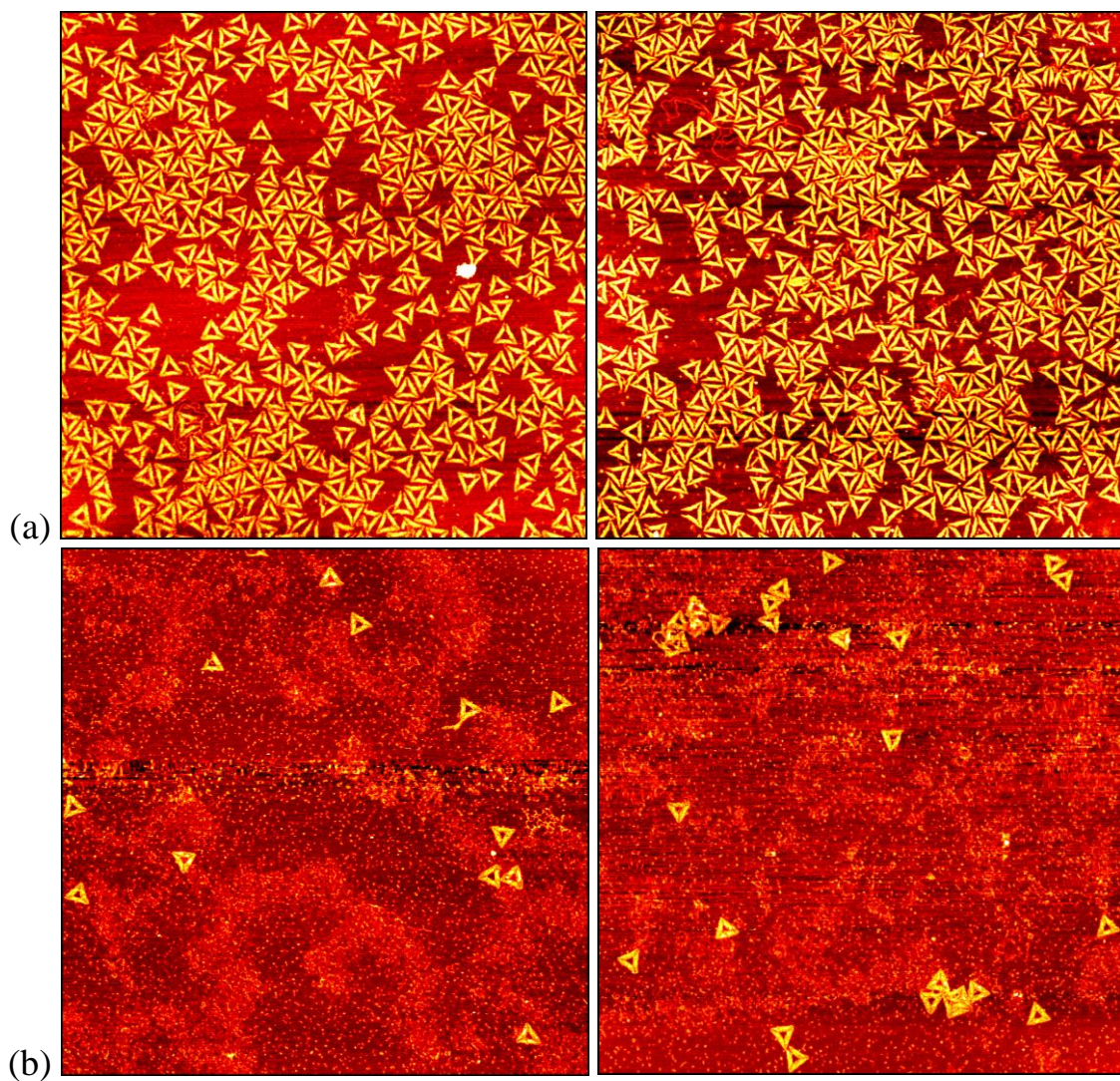
**Figure S6:** Additional AFM images of DOTs adsorbed from PBS (a) and H<sub>2</sub>O (b) at the Ni<sup>2+</sup>-modified mica surface. Images are 3 × 3 μm<sup>2</sup> and have a height scale of 2.5 nm.





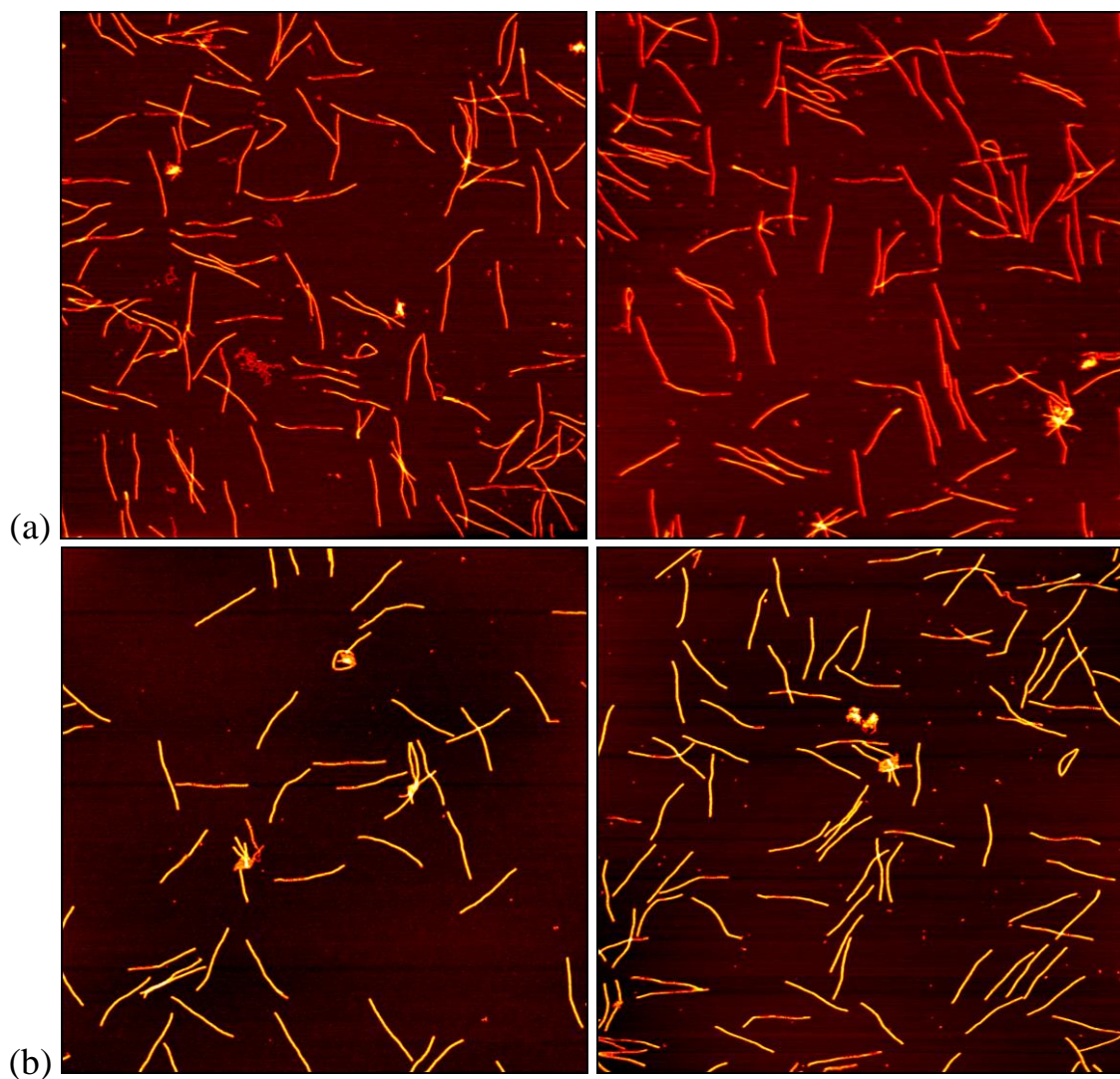
**Figure S7:** Additional AFM images of DOTs adsorbed from PBS (a) and H<sub>2</sub>O (b) at the PLL-modified mica surface. Images are  $3 \times 3 \mu\text{m}^2$  and have a height scale of 2.5 nm.



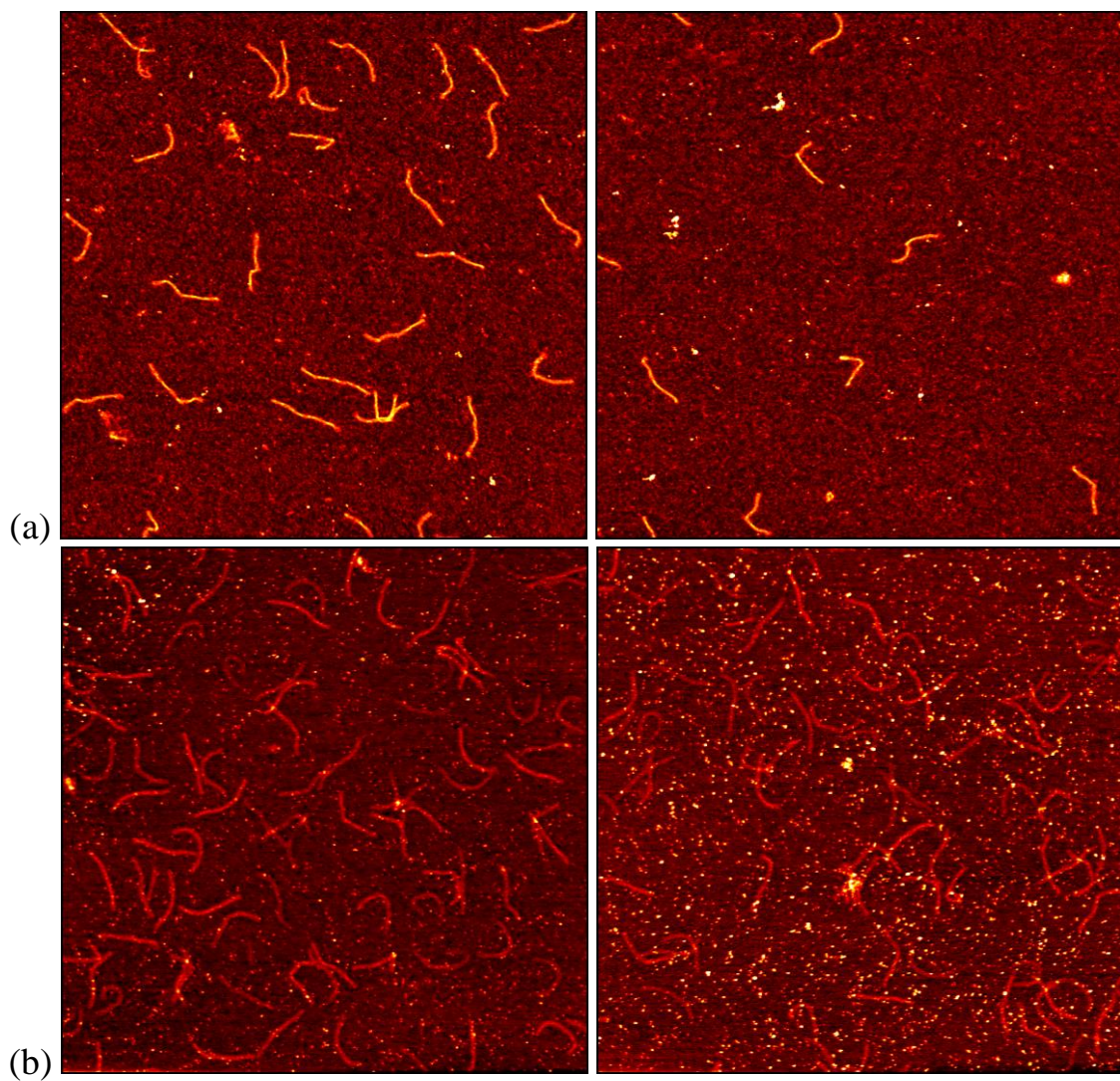


**Figure S8:** Additional AFM images of DOTs adsorbed from PBS (a) and H<sub>2</sub>O (b) at the Spdn-modified mica surface. Images are  $3 \times 3 \mu\text{m}^2$  and have a height scale of 2.5 nm.



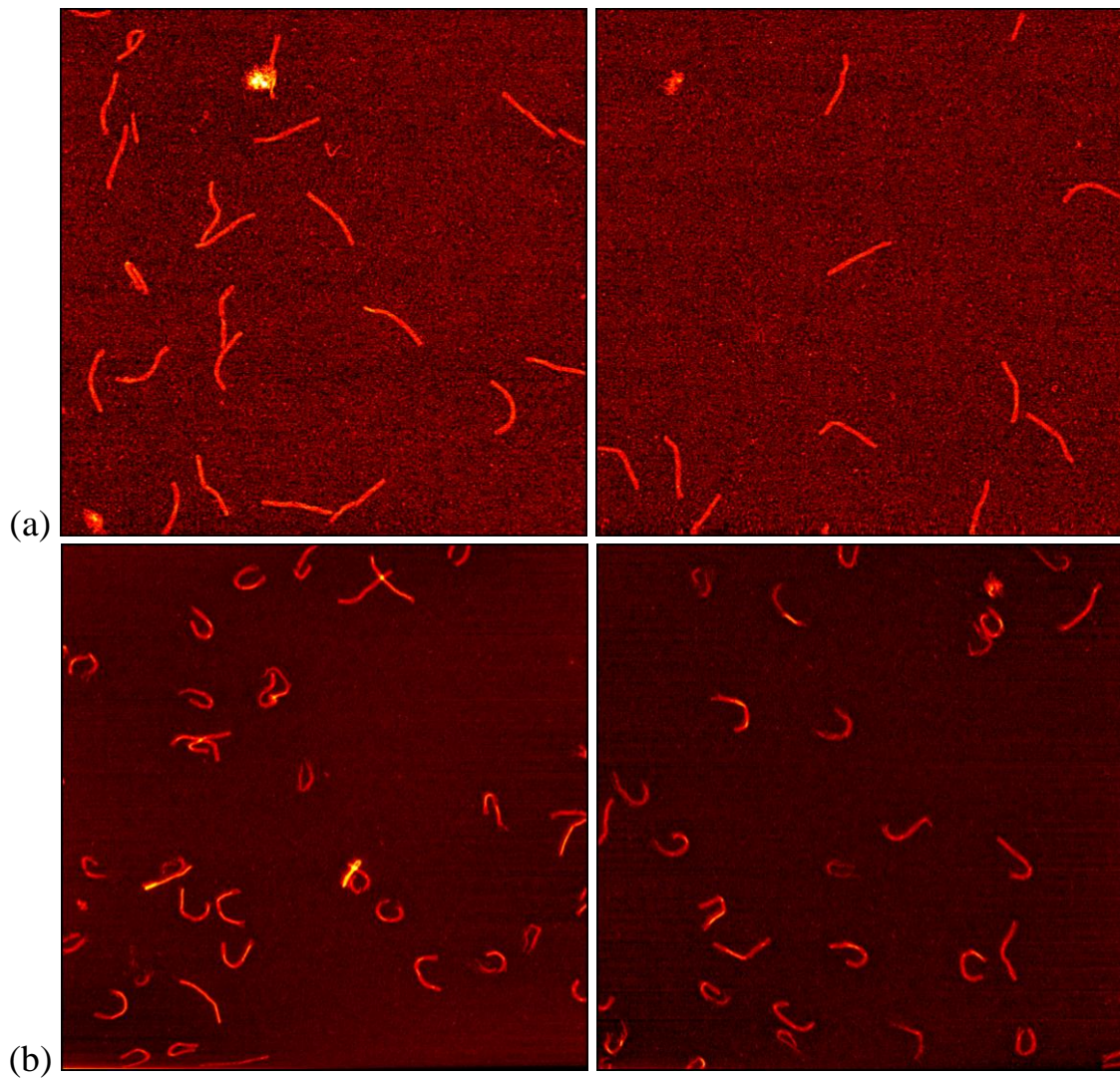


**Figure S9:** Additional AFM images of 6HBs adsorbed from PBS (a) and H<sub>2</sub>O (b) via  $Mg^{2+}$  addition at the mica surface. Images are  $3 \times 3 \mu m^2$  and have a height scale of 4 nm.

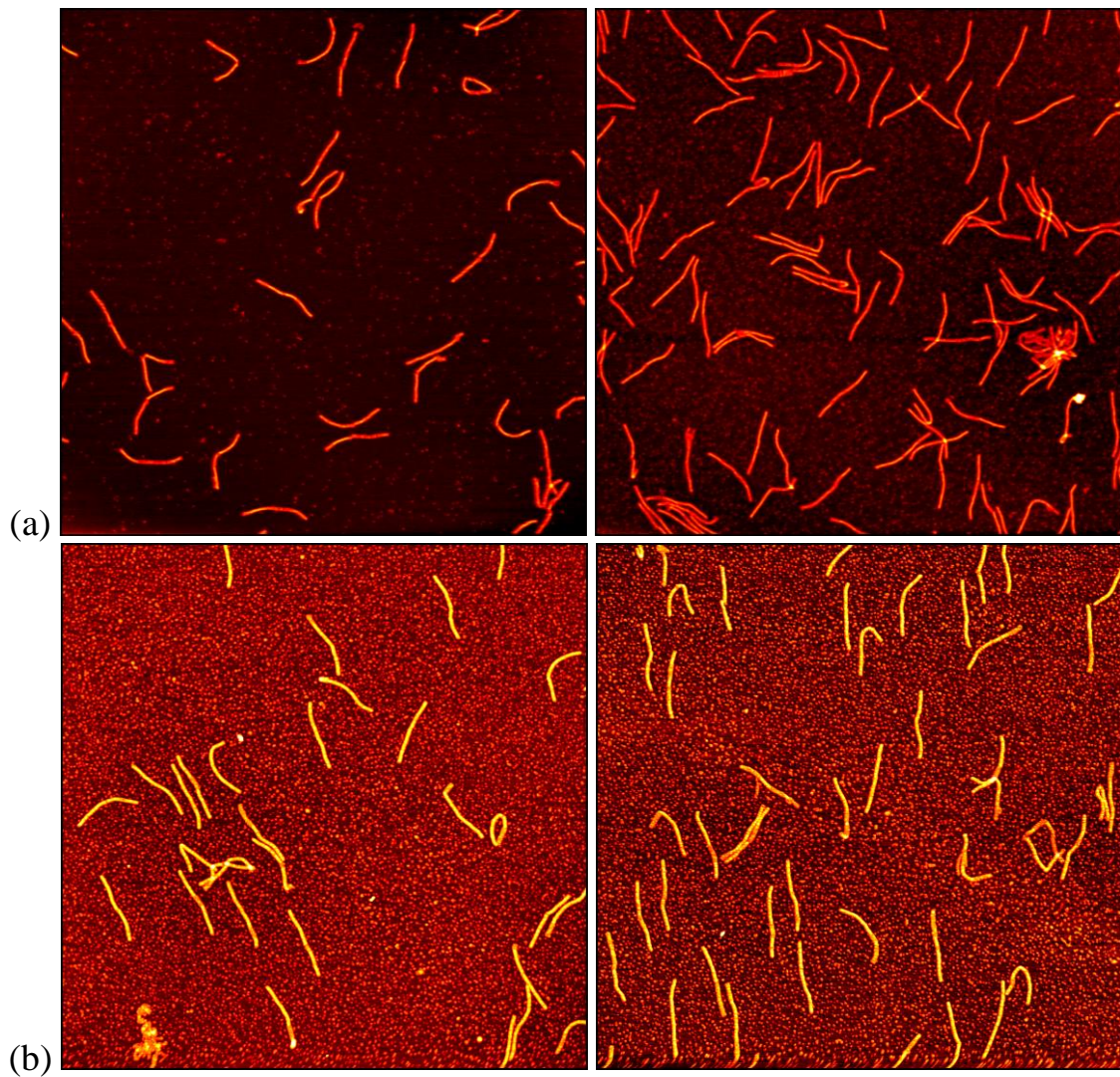


**Figure S10:** Additional AFM images of 6HBs adsorbed from PBS (a) and H<sub>2</sub>O (b) at the Ni<sup>2+</sup>-modified mica surface. Images are  $3 \times 3 \mu\text{m}^2$  and have a height scale of 4 nm.





**Figure S11:** Additional AFM images of 6HBs adsorbed from PBS (a) and H<sub>2</sub>O (b) at the PLL-modified mica surface. Images are  $3 \times 3 \mu\text{m}^2$  and have a height scale of 4 nm.



**Figure S12:** Additional AFM images of 6HBs adsorbed from PBS (a) and H<sub>2</sub>O (b) at the Spdn-modified mica surface. Images are  $3 \times 3 \mu\text{m}^2$  and have a height scale of 4 nm.