

## **Supporting Information**

for

### **Dimer/tetramer motifs determine amphiphilic hydrazine fibril structures on graphite**

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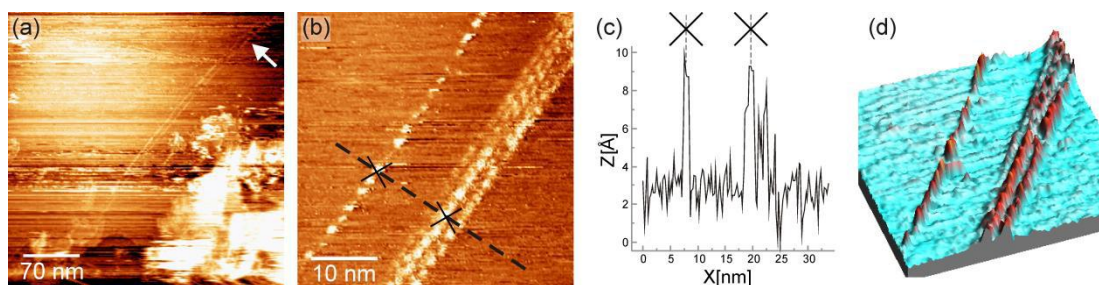
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### **Large-scale STM image and height profile**

## Large-scale STM image and height profile of 1CHn-10 strands

The single-strand in Figure 6a of the main manuscript, with a rather low contrast, might be misperceived as a graphite step because single strands of **1CHn-10** are rarely observed compared to the three-strands. The image of the molecular fibril from Figure 6 has been taken in the area marked by the white arrow in Figure S1. The latter is a  $350 \times 350 \text{ nm}^2$  survey-scale image of the fibrils shown in Figure 6, taken at the solution–graphite interface. Figure S1b is another STM image of the same fibrils with a better contrast for the single strand. The height profile along the dashed black line, as well as the 3-D image (Figure S1c and Figure S1d, respectively), clearly illustrate the absence of any graphite step.



**Figure S1:** (a) Large-scale STM image showing the fibril at the liquid/solid interface. STM image of Figure 6a is taken near the region indicated by the white arrow. (b) Another STM image showing better contrast than Figure 6 for the single strand. (c) Height profile and (d) 3-D perspective of the STM image of (b) illustrating the absence of graphite steps.