

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Visualization of the A5 non-p6-trimer rotation Description: High-resolution high-speed AFM image sequence of the rotation of individual A5 non-p6 trimers rotating within the p6-lattice interstices. Movie parameters: Image size: 120nm. Full color scale: 1nm. Image acquisition speed: 1s

File Name: Supplementary Movie 2

Description: Lateral drift of x-y position Description: 5min high-speed AFM image sequence the A5 lattice after image correlation to correct for drift. Movie parameters: frame size: 100nm. Full color scale: 1nm. Image acquisition speed: 1s