

Supplementary data

Tailor-made crystalline structures of truncated S-layer proteins on
heteropolysaccharides

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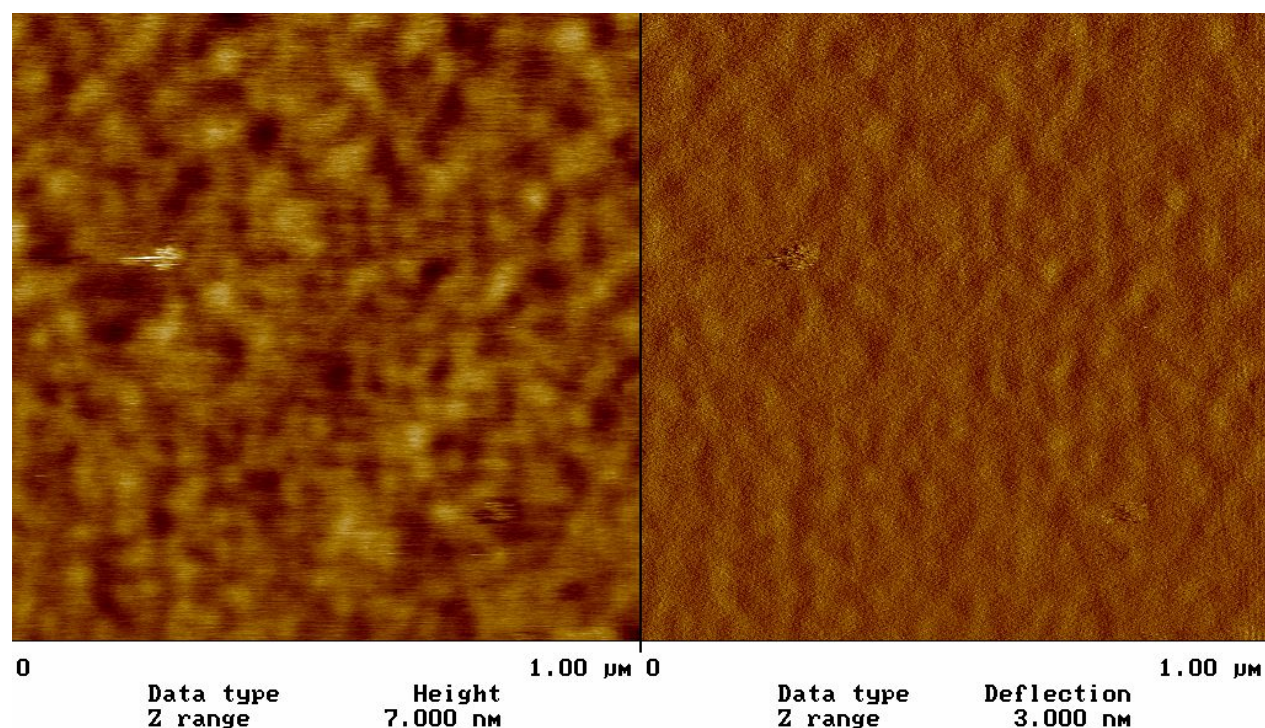


Fig. S1 AFM image (contact mode, left: height image, right: deflection image) of the chemisorbed layer of heteropolysaccharides (SCWP).

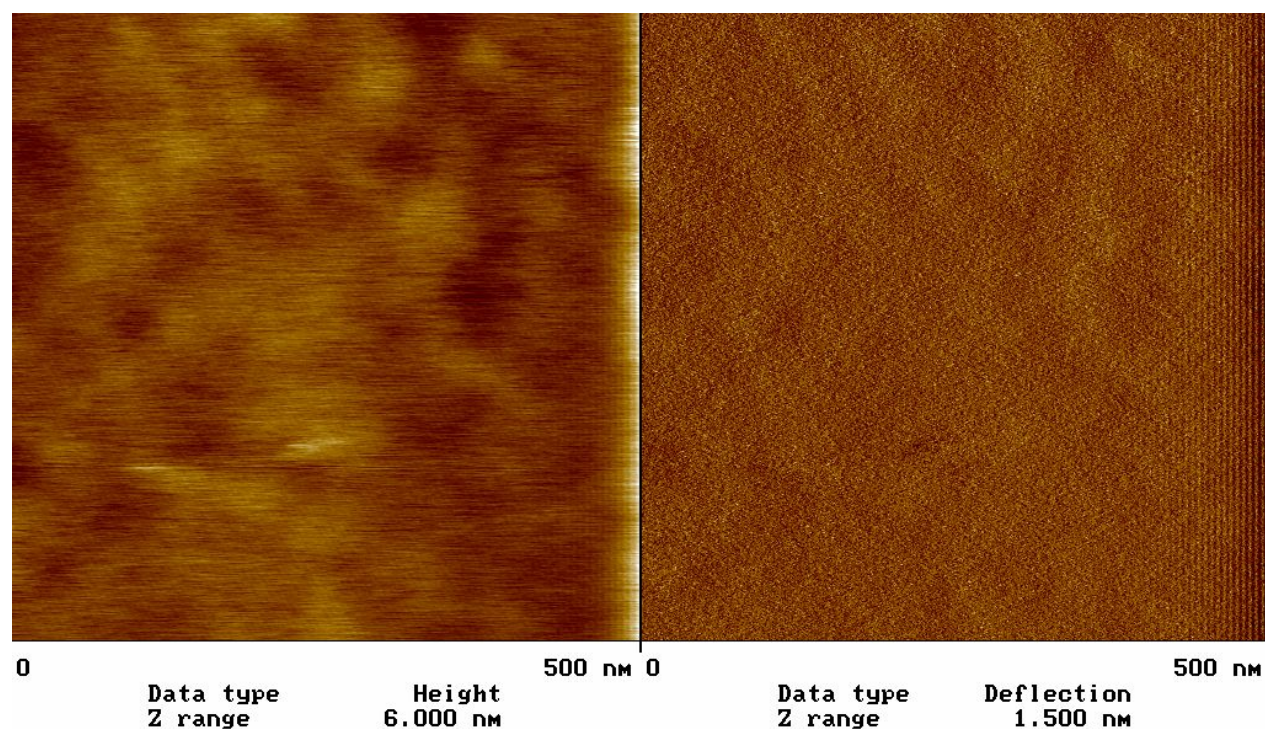


Fig. S2 AFM image (contact mode, left: height image, right: deflection image) of the truncated S-layer protein SbpA (NRS) comprising only the SCWP-binding sequences bound on a heteropolysaccharides (SCWP)-covered gold surface. There was only a random binding observed and no lattice formation occurred.

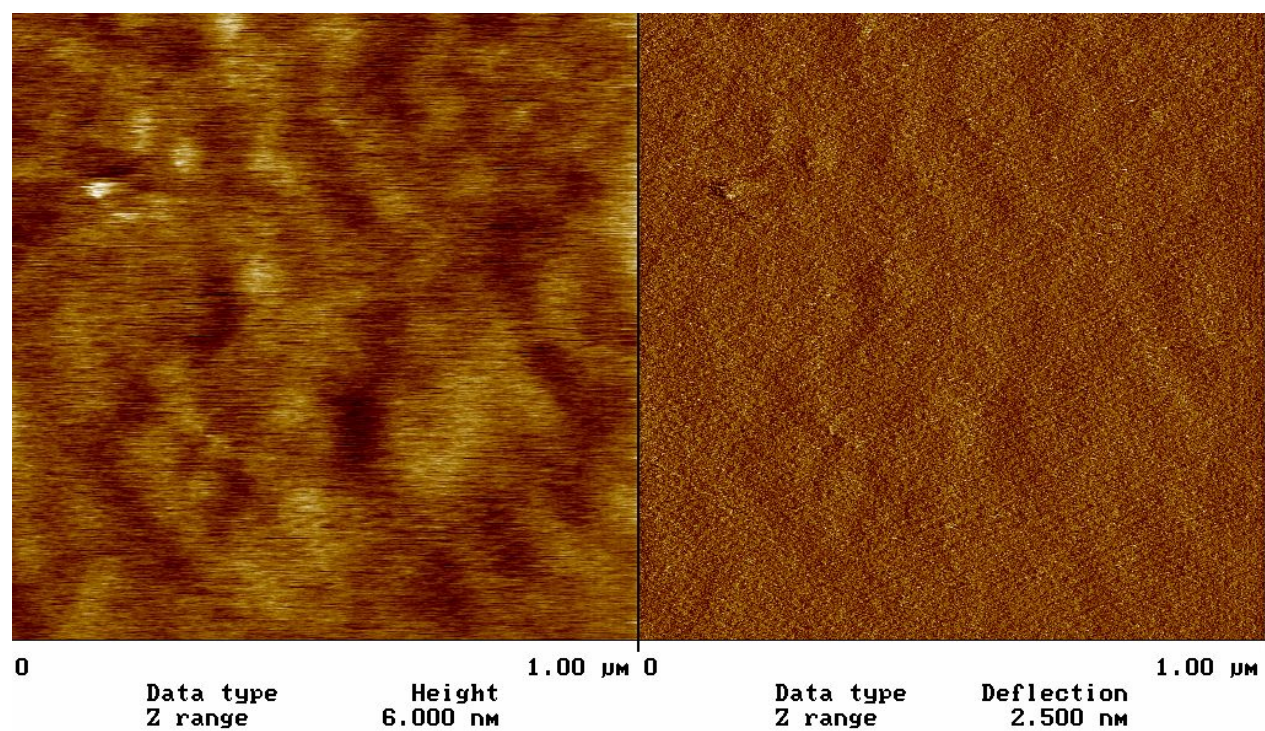


Fig. S3 AFM image (contact mode, left: height image, right: deflection image) of a mixture of 3/7 (mol/mol) of NRS/SAD on a heteropolysaccharides-covered gold surface.

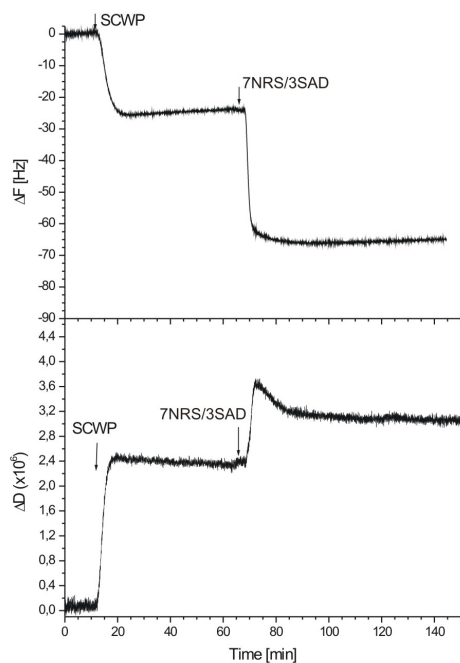


Fig. S4 Changes in frequency Δf (upper curve) and dissipation ΔD (lower curve) versus time upon sequential exposure of a gold surface to thiolated heteropolysaccharides (SCWP) and a mixture of 7/3 (mol/mol) of NRS/SAD.

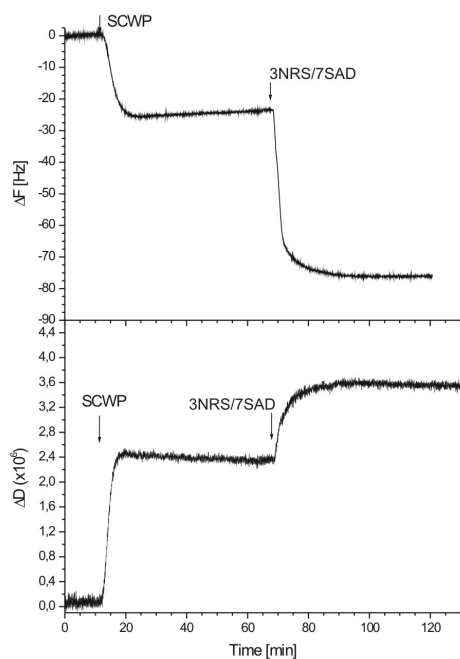


Fig. S5 Changes in frequency Δf (upper curve) and dissipation ΔD (lower curve) versus time upon sequential exposure of a gold surface to thiolated heteropolysaccharides (SCWP) and a mixture of 3/7 (mol/mol) of NRS/SAD.