

Supplementary Information

ADHESION MECHANISM IN A DOPA-DEFICIENT FOOT PROTEIN FROM GREEN MUSSELS

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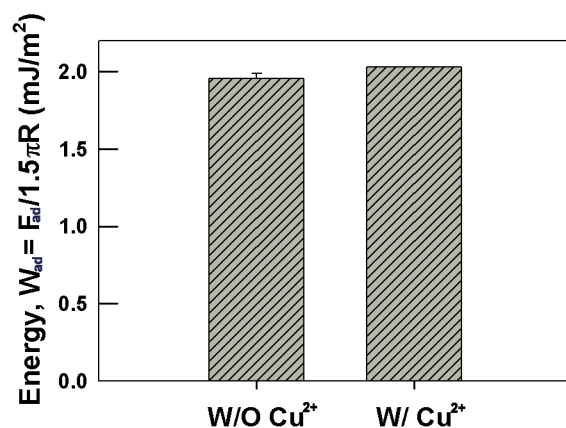


Figure s1. Adhesion energy per unit area, W_{ad} , changes between two pvfp-1 coated surfaces in 0.1 M sodium acetate, 0.25 M KNO₃, pH 5.5 due to addition of 10 μ M CuCl₂. Each value and error bar represents the mean of duplicated (n=2) samples and its standard deviation.

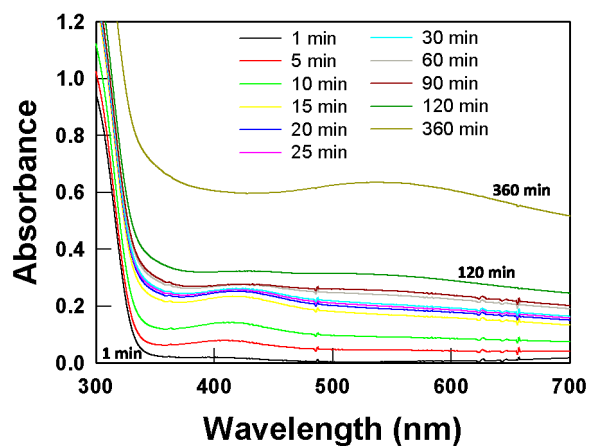


Figure s2. UV-Vis spectrum of 7-hydroxyindole with 10 μM CuCl_2 in 0.1 M sodium acetate, 0.25 M KNO_3 , pH 5.5. Addition of FeCl_3 also showed trends similar to CuCl_2 .

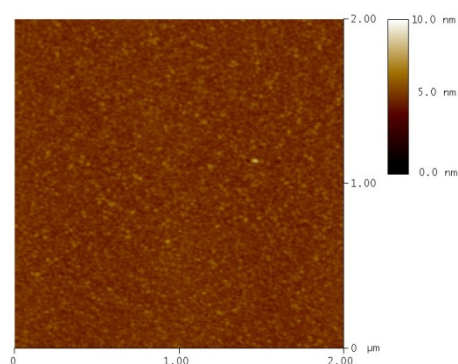


Figure s3. AFM image (tapping mode) of pvfp-1 film deposited on freshly cleaved mica.

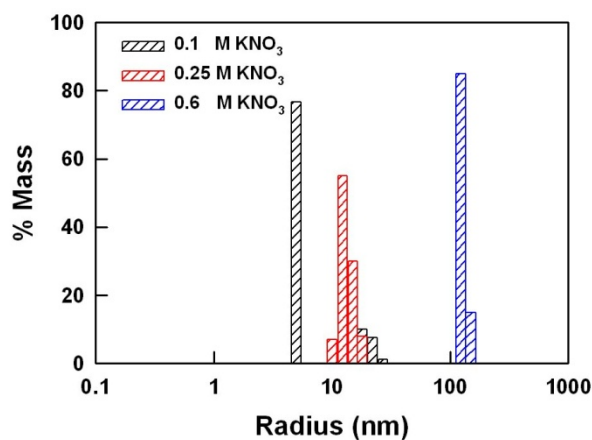


Figure s4. Hydrodynamic radius distribution of pvfp-1 in 0.1 M acetic acid (pH 3.0) depending on salt concentration by Dynamic Light Scattering (DLS)