

Electronic supplementary information

In vitro crystallization of single crystalline guanine microplates mediated by proteins extracted from the carp fish *Cyprinus carpio*

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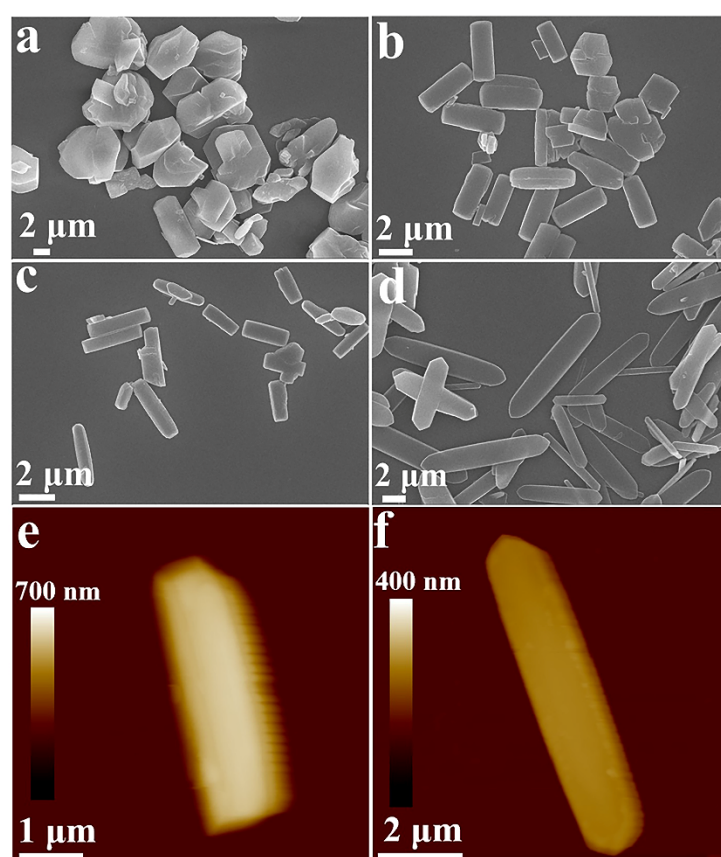


Fig. S1 SEM and AFM images of guanine crystals synthesized with different concentrations of mixed proteins under otherwise standard condition. (a) 0 μg·mL⁻¹, (b) 10 μg·mL⁻¹, (c and e) 30 μg·mL⁻¹, (d and f) 100 μg·mL⁻¹.

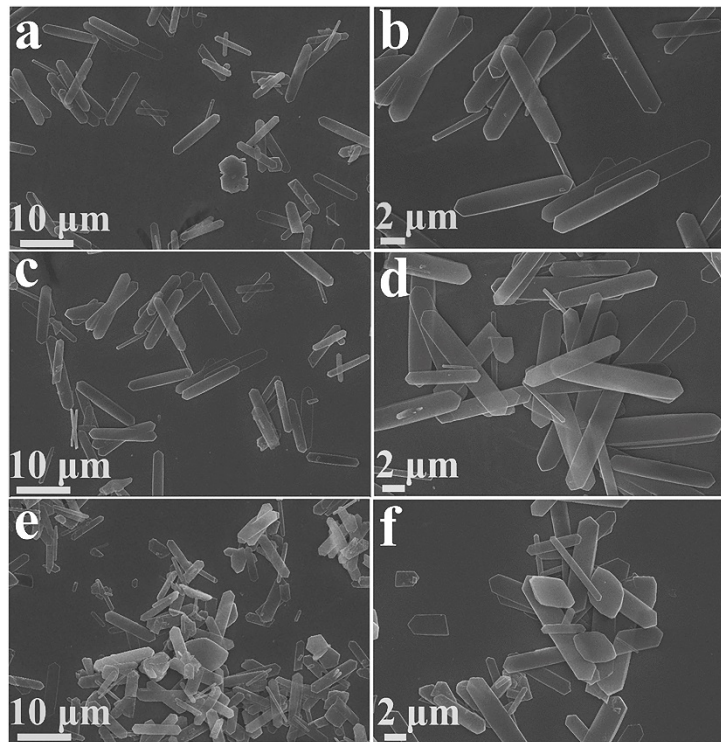


Fig. S2 SEM images of guanine crystals synthesized with different concentrations of G-Na under otherwise standard condition. (a and b) 2 mM, (c and d) 7.5 mM, (e and f) 10 mM.

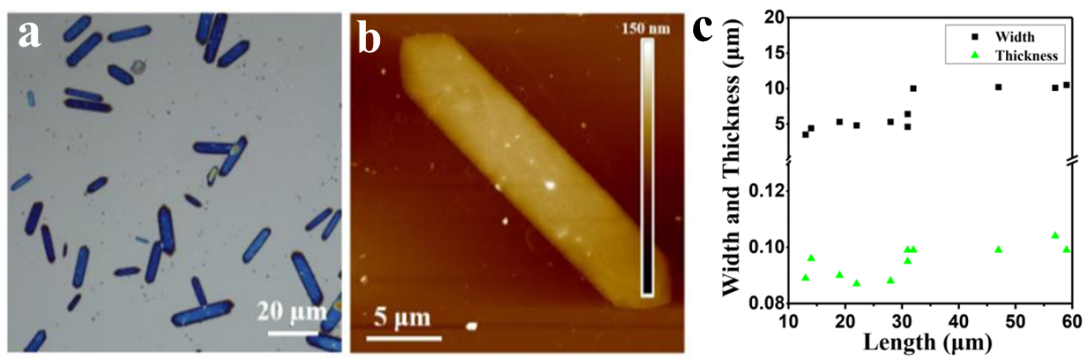


Fig. S3 Biological guanine microplates (a) Optical and (b and c) AFM images of the guanine extracted from the carp fish *Cyprinus carpio*, data from reference ³⁷.

