

Supporting Information

M13 bacteriophage displaying DOPA on surfaces: Fabrication of various nanostructured inorganic materials without time-consuming screening processes

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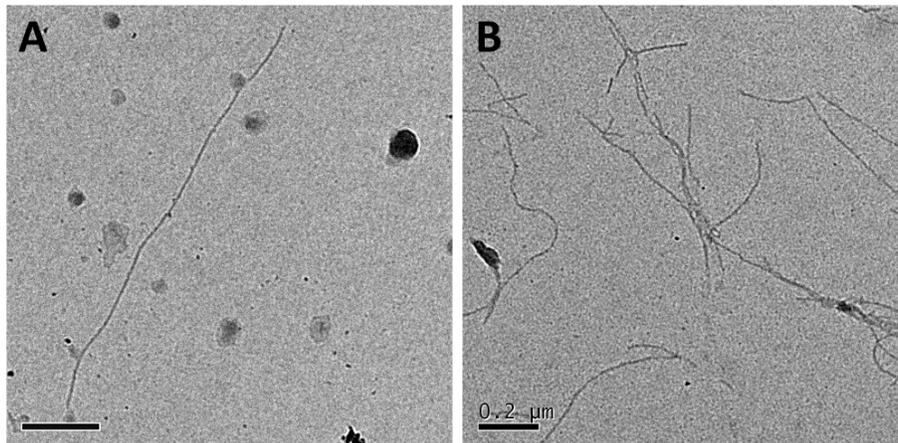


Figure S1. Engineered YEEE phage incubated with A) gold (HAuCl_4) and B) platinum (H_2PtCl_6) solutions. The metal reduction on the bacteriophage surface was not observed when the YEEE phage was incubated with each metal solution. The scale bars are 200 nm.

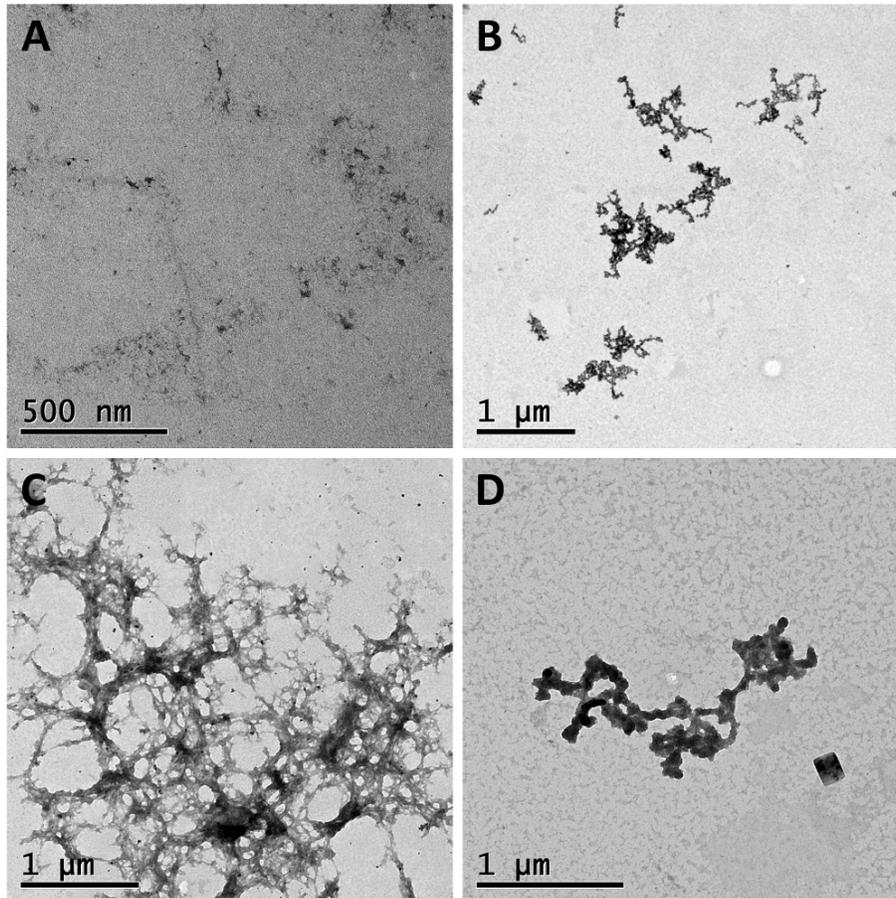


Figure S2. CoPt nanowire synthesis using the A) YEEE and B) DOPA-EEE phages, and the FePt nanowire synthesis using the C) YEEE and D) DOPA-EEE phages. A nanowire like morphology was only observed for the CoPt and FePt nanowire synthesis using the DOPA-EEE phage.