Selective Biotemplated Synthesis of TiO₂ Inside a Protein Cage

Authors: Gregory J. Bedwell¹, Ziyou Zhou², Masaki Uchida^{3,4}, Trevor Douglas^{3,4}, Arunava Gupta², and Peter E. Prevelige, Jr.^{1*}

Affiliations:

- 1. Department of Microbiology, University of Alabama at Birmingham, Birmingham, Alabama 35294, United States
- 2. Center for Materials for Information Technology, University of Alabama, Tuscaloosa, Alabama 35487, United States
- 3. Department of Chemistry, Indiana University, Bloomington, Indiana 47405, United States

Supplementary Information

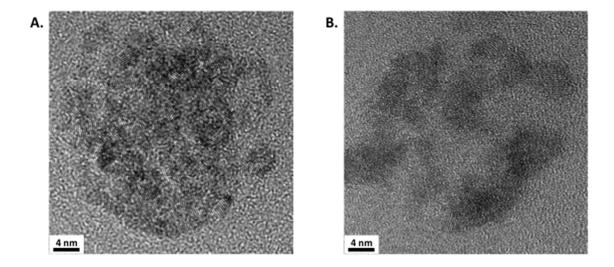


Figure S1. Whole particle images of the particles shown in Figures 2C and 2D. Shells containing the T1 construct (**A**) and the T2 construct (**B**) were synthesized in phosphate buffer and imaged by HRTEM. The particles clearly show poly-crystallinity, consistent with the presence of multiple nucleation sites.