

Electronic Supplementary Information for

**Assembly of cysteine-modified ferritin cages via copper template
manipulation**

Ruoxuan Sun and Sierin Lim *

School of Chemistry, Chemical Engineering and Biotechnology, Nanyang Technological
University, Singapore

Corresponding author

*E-mails: slim@ntu.edu.sg

Figures

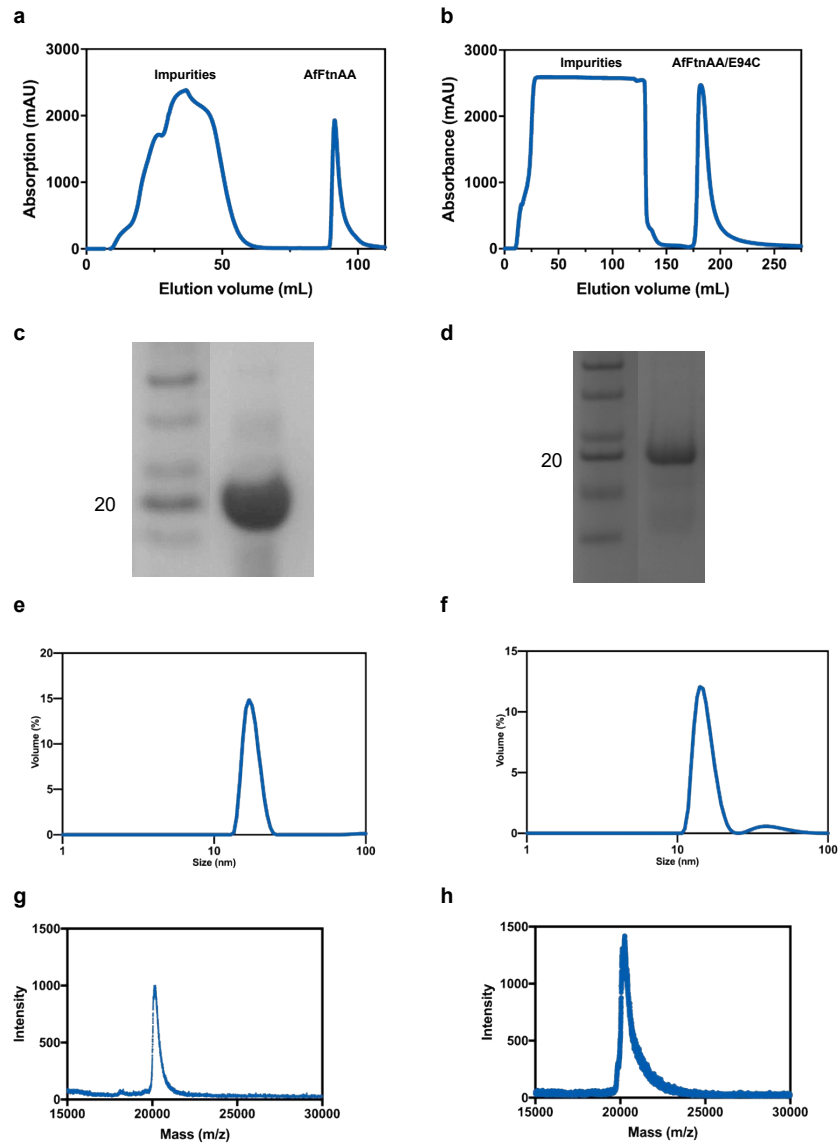


Fig S1. (a) Hydrophobic interaction chromatography profile of AfFtnAA. (b) Hydrophobic interaction chromatography profile of AfFtnAA/E94C. (c) SDS-PAGE of AfFtnAA. (d) SDS-PAGE of AfFtnAA/E94C. (e) DLS characterization of AfFtnAA. (f) DLS characterization of AfFtnAA/E94C. (g) MALDI TOF result of AfFtnAA. (h) MALDI TOF result of AfFtnAA/E94C.

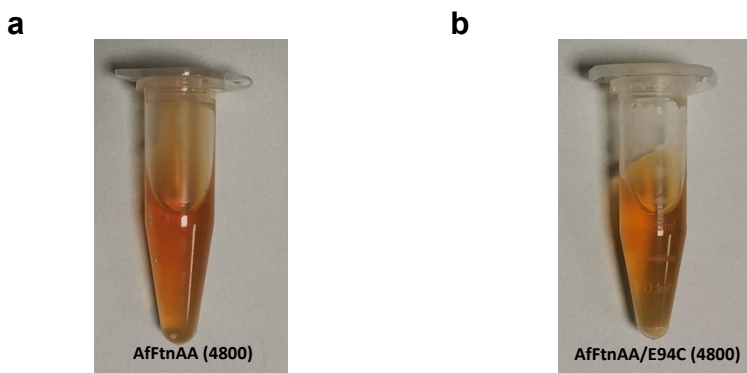


Fig. S2 (a) Picture of purified and 4800 iron-loaded AfFtnAA. (b) Picture of purified and 4800 iron-loaded AfFtnAA/E94C.

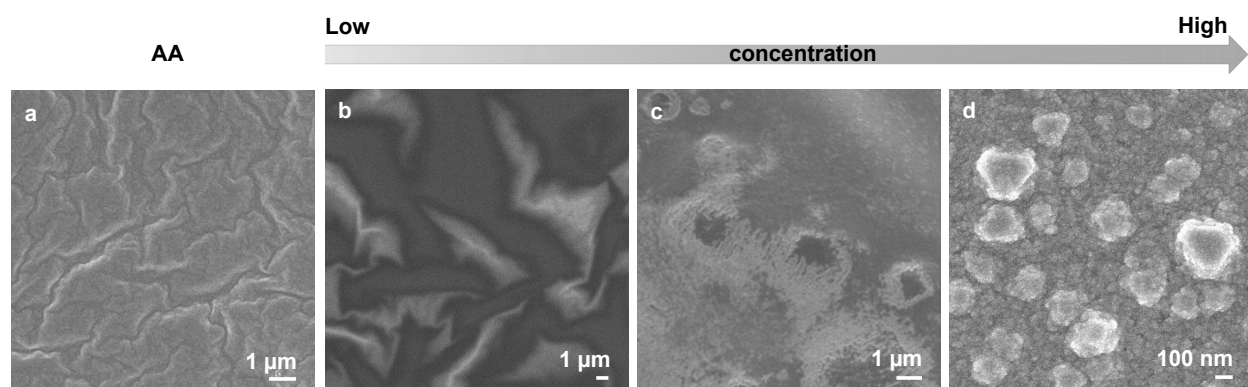


Fig. S3 Morphologies of the assembly based on AfFtnAA/E94C of different concentrations on Si substrate via freeze dry. (a) SEM image AfFtnAA serving as the control group. (b-d) SEM image on AfFtnAA/E94C of different concentrations Si substrate.

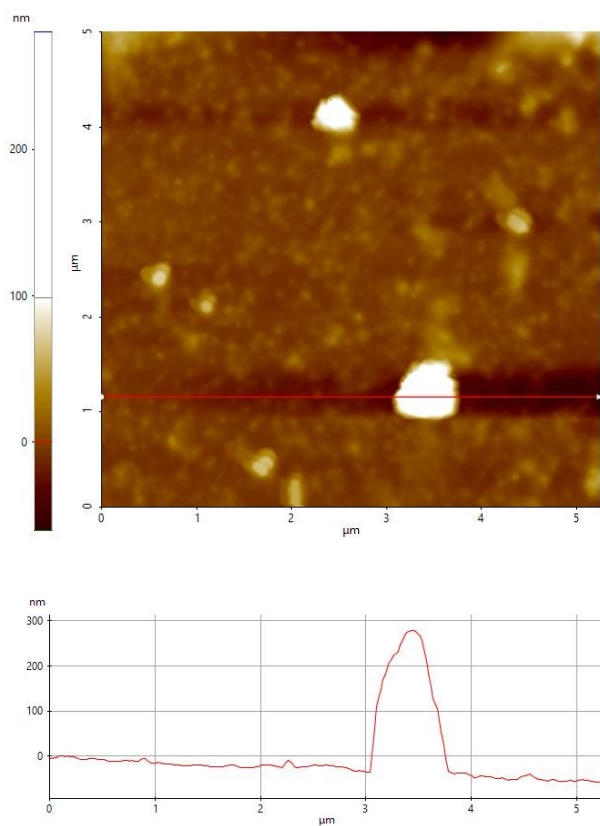


Fig. S4 AFM characterization of AfFtnAA on Cu substrate.

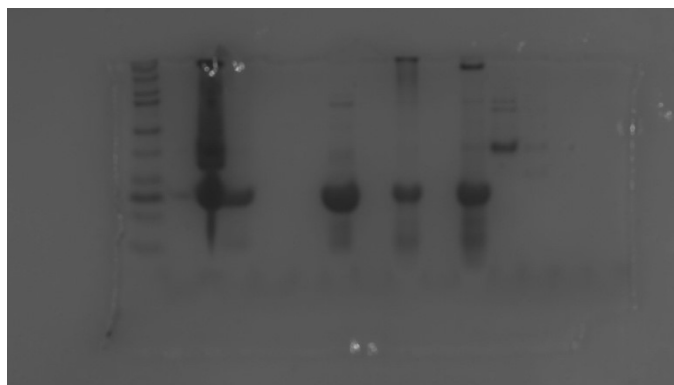


Fig. S5 Uncropped images of Fig. S1 (c).

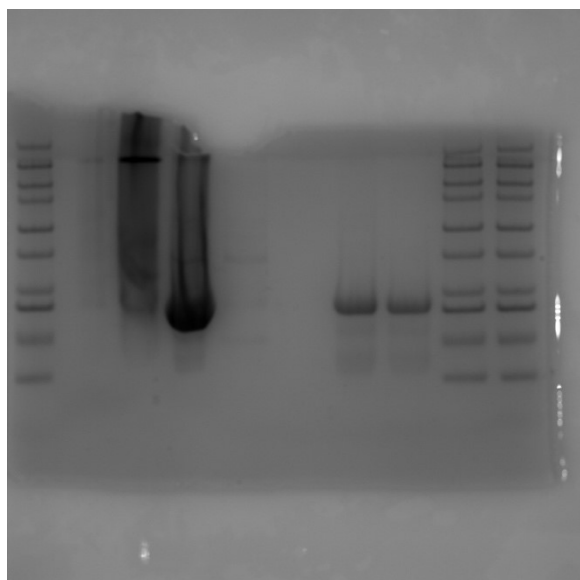


Fig. S6 Uncropped images of Fig. S1 (d).