Supplementary Material

Microbial nanowires with genetically modified peptide ligands to sustainably fabricate electronic sensing devices

Yassir Lekbach^{1±}, Toshiyuki Ueki^{1±}, Xiaomeng Liu², Trevor Woodard¹, Jun Yao^{2,3,4}, and Derek R. Lovley^{1,3*}

¹Department of Microbiology, University of Massachusetts, Amherst, MA 01003, USA

- ²Department of Electrical and Computer Engineering University of Massachusetts, Amherst, MA 01003, USA
- ³Institute for Applied Life Sciences (IALS),University of Massachusetts, Amherst, MA 01003, USA
- ⁴Department of Biomedical Engineering, University of Massachusetts, Amherst, MA 01003, USA

[±]Both authors contributed equally

*Corresponding author: D.R. Lovley <u>dlovley@umass.edu</u>

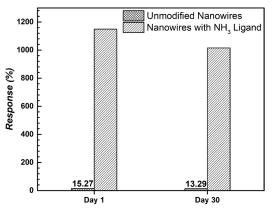


Figure S1. Consistent response of sensors to 150 ppm ammonia gas over 30 days.