

Fig S1. Identification results of XO and Mn^{2+} combination to 7 bacteria species. (A) Histogram of the average value of absorbance of each sugar-bacteria incubation. (B) HCA results for identification. (C) PCA results for identification.

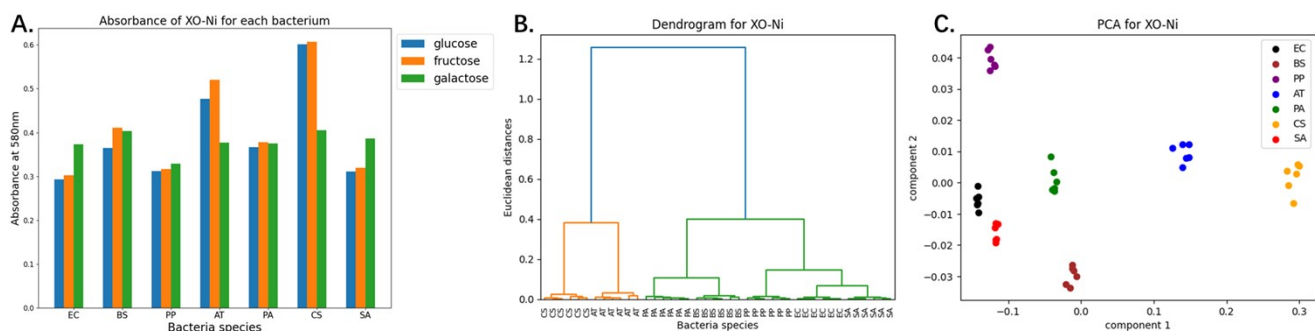


Fig S2. Identification results of XO and Ni^{2+} combination to 7 bacteria species. (A) Histogram of the average value of absorbance of each sugar-bacteria incubation. (B) HCA results for identification. (C) PCA results for identification.

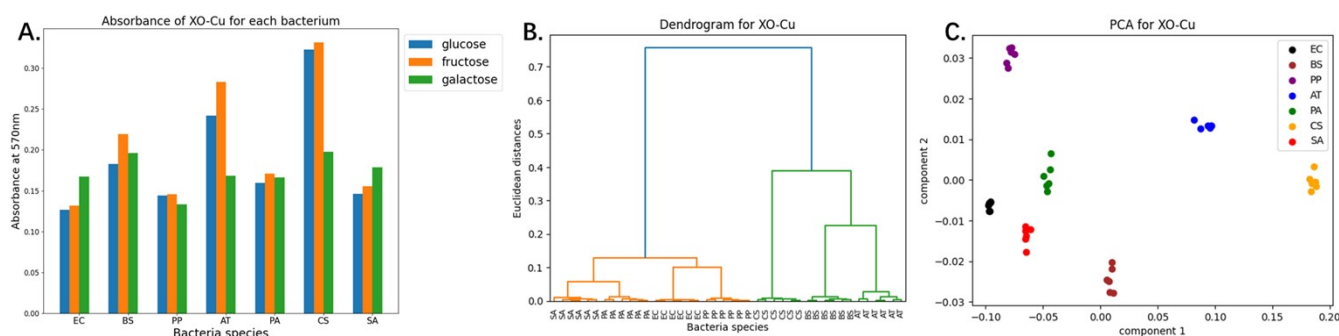


Fig S3. Identification results of XO and Cu^{2+} combination to 7 bacteria species. (A) Histogram of the average value of absorbance of each sugar-bacteria incubation. (B) HCA results for identification. (C) PCA results for identification.

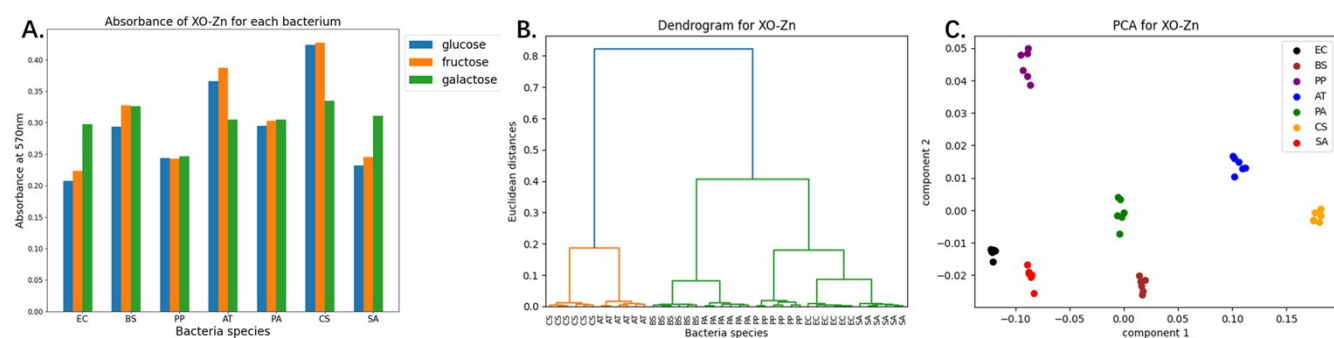


Fig S4. Identification results of XO and Zn^{2+} combination to 7 bacteria species. (A) Histogram of the average value of absorbance of each sugar-bacteria incubation. (B) HCA results for identification. (C) PCA results for identification.