Supplementary Data

ONE-TO-ONE LACCASE-GOLD NANOPARTICLE CONJUGATES:
MOLECULAR RECOGNITION AND ACTIVITY ENHANCEMENT

Darío G. Abradelo\textsuperscript{a}, Roberto Cao\textsuperscript{a}, Sabine Schlecht\textsuperscript{b}

\textsuperscript{a}Laboratorio de Bioinorgánica, Facultad de Química, Universidad de La Habana, Cuba.

\textsuperscript{b}Institut für Anorganische und Analytische Chemie, Justus-Liebig Universität, Giessen, Germany.

Figure S1. DLS profiles of the different colloids: AuNPMUA (15 (±3) nm); AuNPTyr (18 (±3) nm); AuNPMUA-Lac (60 (±18) nm); AuNPTyr@Lac (110 (±40) nm); laccase (20 (±4) nm).
Figure S2. TEM images of the nanoparticles. A) AuNPMUA. B) AuNPTyr. C) AuNPMUA-Lac. D) AuNPTyr@Lac.
Figure S3. UV-vis spectra of the corresponding nanoparticles.
Figure S4. Atomic absorption spectroscopy (AAS) calibration curves. Determination of Au and Cu in 0.01 mg/mL and 0.5 mg/mL dispersions of the colloids, respectively. The sample concentrations were obtained by automatic dilutions of the initial 1 mg/mL solution with the automated sampling system attached to the AAS instrument. All runs were repeated three times.