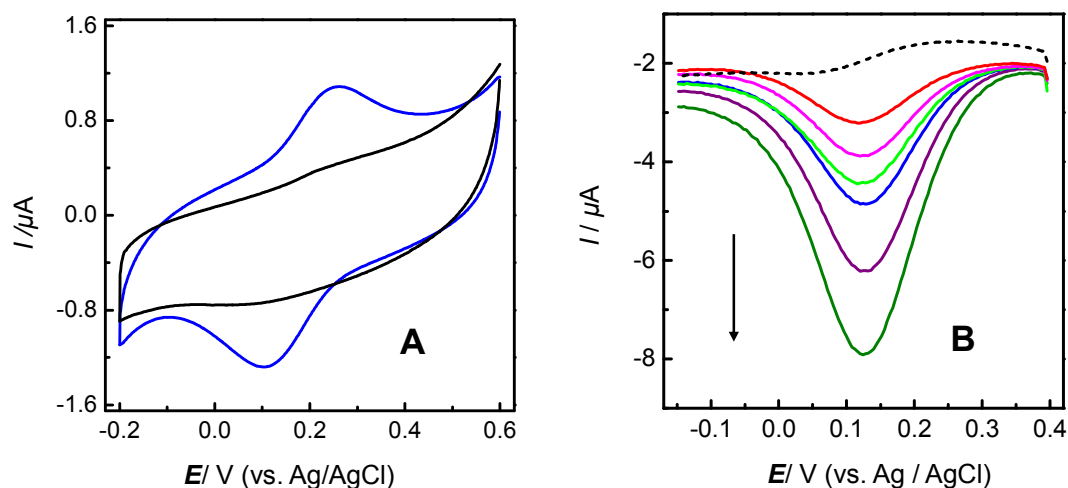


**An Electrochemical Method for Investigation of Conformational  
Flexibility of Active Sites of *Trametes versicolor* Laccase Based on  
Sensitive Determination of Copper Ion with Cysteine-Modified  
Electrodes**

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**Figure S1.** (A) Typical CVs obtained with the cysteine-modified Au electrodes in  $\text{Cu}^{2+}$ -free 0.10 M acetate buffer (pH 5.0). The electrodes were first immersed into 0.10 M acetate buffer (pH 5.0) in the absence (black curve) and presence of  $1.0 \mu\text{M}$   $\text{Cu}^{2+}$  (blue curve) for 5 min, and then taken out from the buffer and washed with water. (B) Typical SWVs obtained with the cysteine-modified Au electrodes in  $\text{Cu}^{2+}$ -free 0.10 M acetate buffer (pH 5.0). The electrodes were first immersed into 0.10 M acetate buffers (pH 5.0) containing  $\text{Cu}^{2+}$  with different concentrations of (from upper to lower) 0,  $1.0 \times 10^{-9}$ ,  $1.0 \times 10^{-8}$ ,  $1.0 \times 10^{-7}$ ,  $1.0 \times 10^{-6}$ ,  $1.0 \times 10^{-5}$ , and  $1.0 \times 10^{-4}$  M for 5 min, and then taken out from the buffers and washed with water. Stripping conditions: frequency 15 Hz; pulse height, 25 mV; and pulse increment, 4 mV.