

Supplementary Materials: Immobilization of Pyrroloquinoline Quinone-Dependent Alcohol Dehydrogenase with a Polyion Complex and Redox Polymer for a Bioanode

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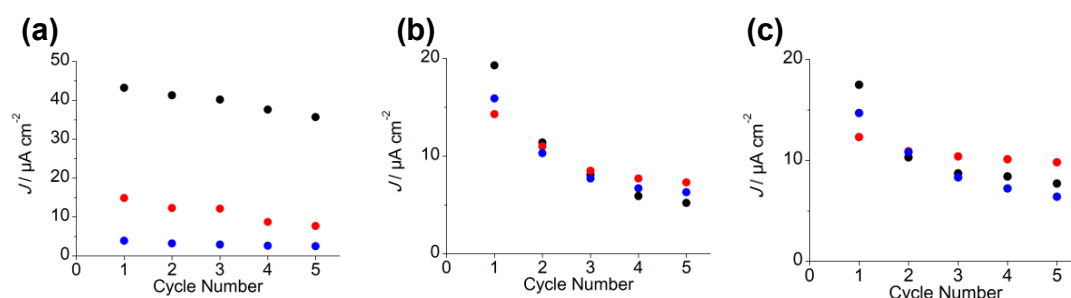


Figure S1. Stability of the *PpADH* modified electrodes with (a) PLL and anionic polymers: PGA (black), PSS (red), and PAA (blue), (b) PDDA and anionic polymers: PGA (black), PSS (red), and PAA (blue), and PAAM and anionic polymers: PGA (black), PSS (red), and PAA (blue). These results were obtained from CV measurements of *PpADH*-modified glassy carbon electrode in 50 mM CHES (pH=9.0) containing 30 mM ethylamine and 0.1 mM AmFc at a scan rate of $10\text{ mV}\cdot\text{s}^{-1}$.

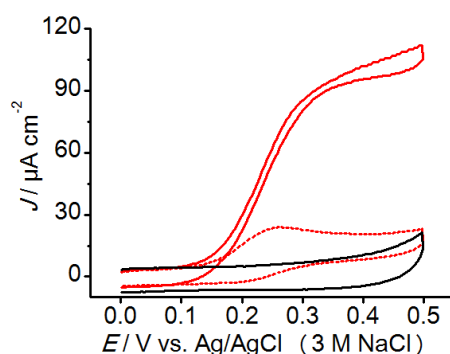


Figure S2. Cyclic voltammograms of the *PpADH* and PGA-AmFc-modified AuNPsE with 100 mM ethanol (red solid line) and without a substrate (red dotted line) and PGA and PLL modified AuNPs electrode with 100 mM ethanol (black solid line) in 50 mM CHES (pH=9.0) containing 30 mM ethylamine. The voltammograms were obtained at a scan rate of $10\text{ mV}\cdot\text{s}^{-1}$.