Electronic Supporting Information (ESI)

A facile and cost-effective electroanalytical strategy for the quantification of deoxyguanosine and deoxyadenosine in oligonucleotides using screen printed graphite electrodes

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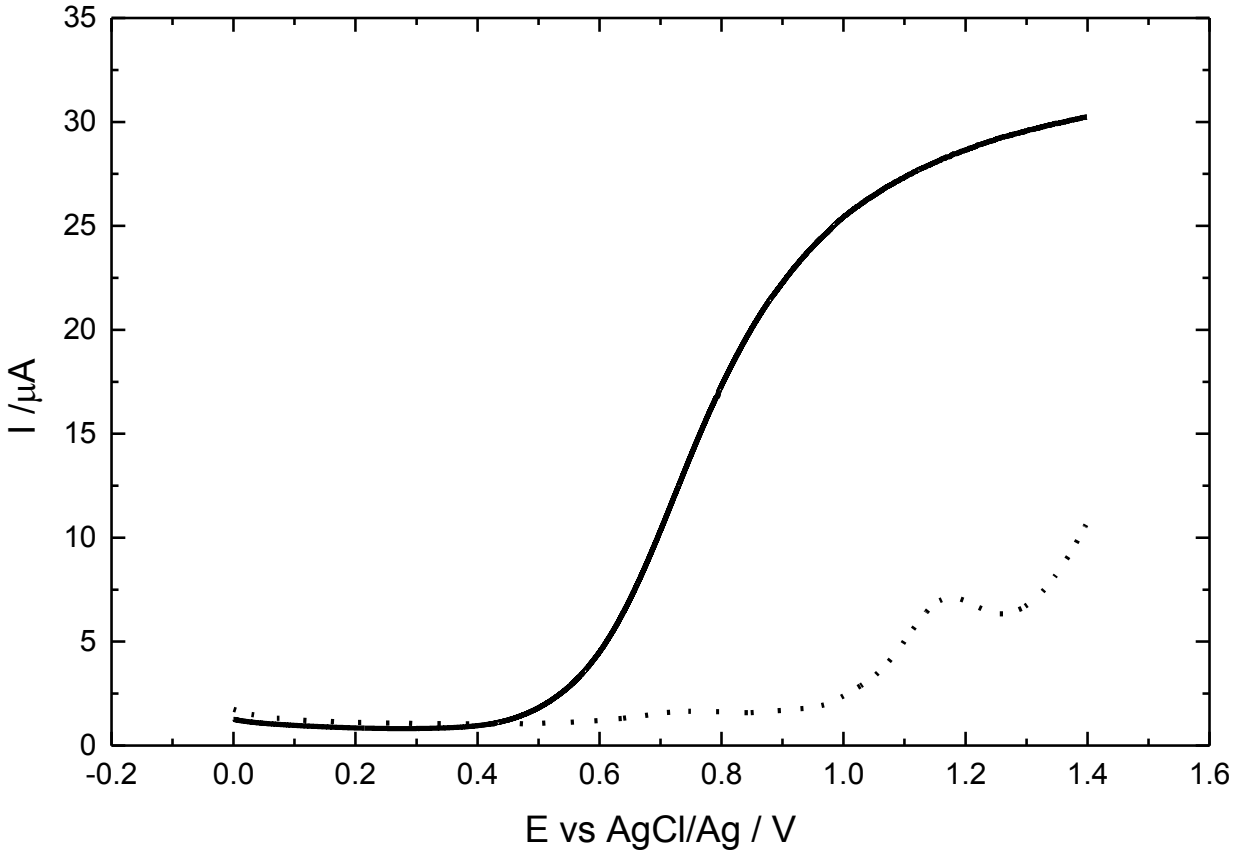

Fig. ESI-1. Comparison of the SWV response of 17 μM of polyA (equivalent concentration: 102 μM of dAMP), stopping (solid line) and not stopping (dotted line) the reaction with EDTA (acetate buffer 0.1 M pH 5.0).

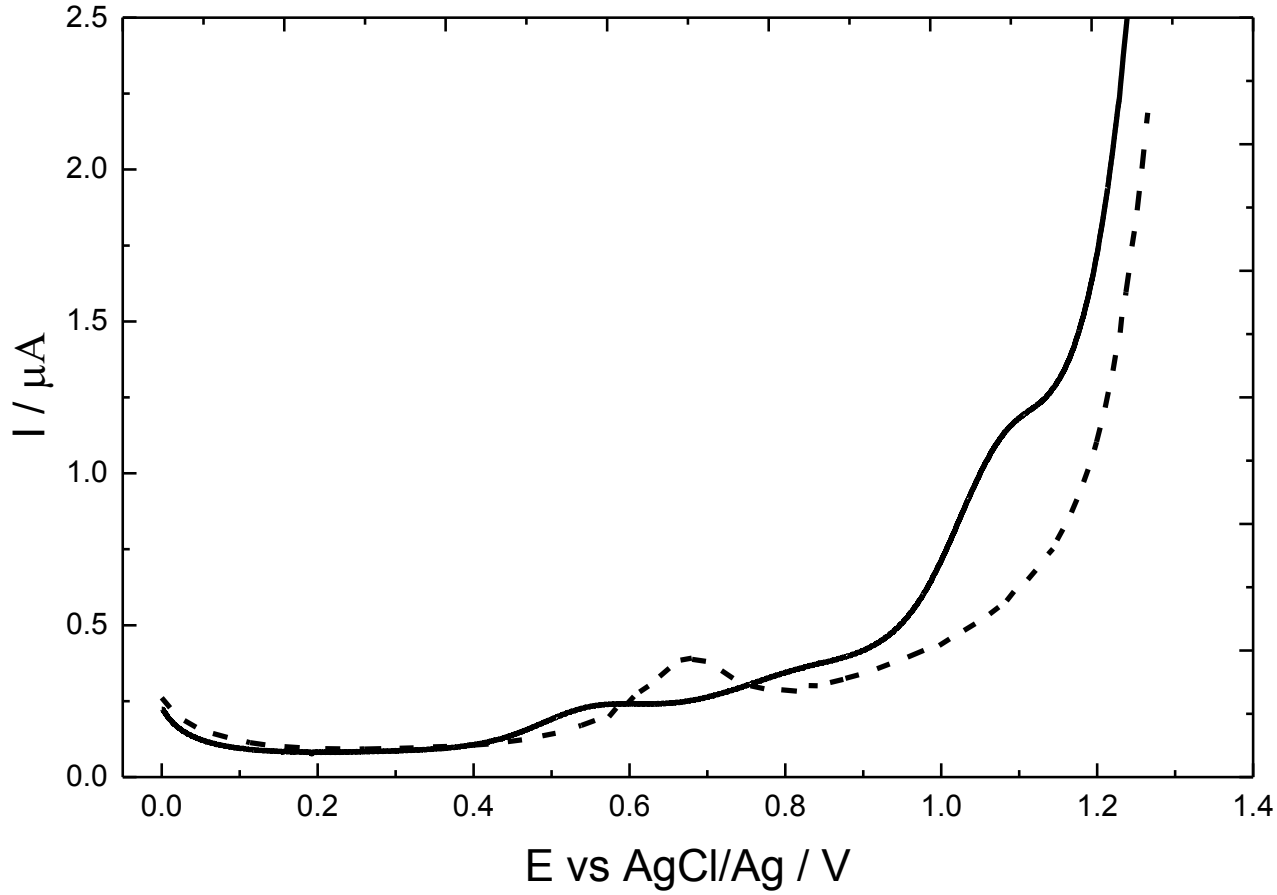

Fig. ESI-2. SWV response of 300 μM polyC (solid line) and 18 μM dCMP from the enzymatically treated polyC (dashed line) in 0.1 M acetate buffer solution pH 5.0.

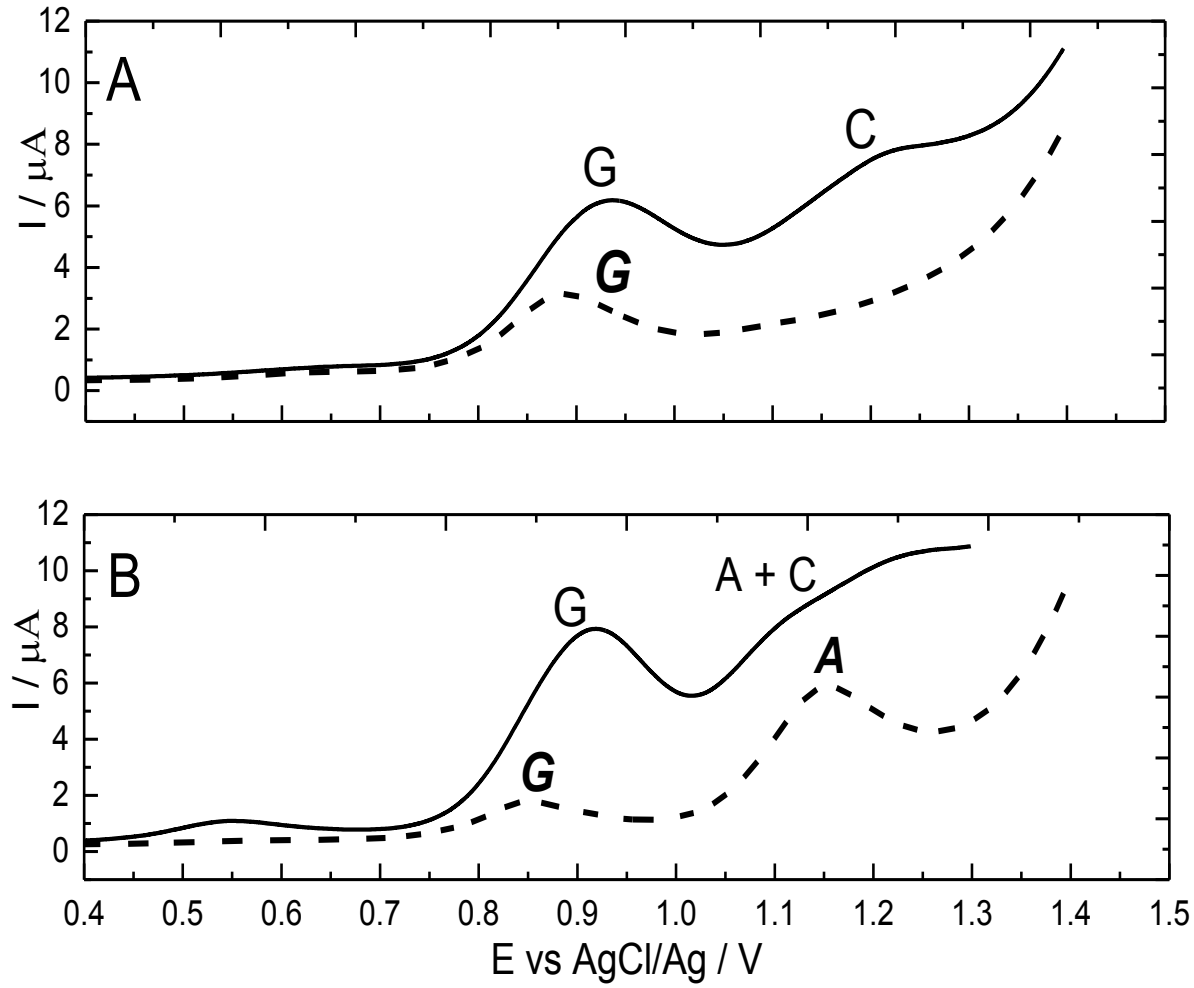

Fig. ESI-3. SWV responses of 300 μM 5′-CGCGCG-3′ (plot A solid line); 300 μM 5′-AAACGC-3′ (plot B, solid line); 18 μM of dGMP from the enzymatically treated 5′-CGCGCG-3′ (plot A, dashed line) and 18 μM of dAMP from the enzymatically treated 5′-AAACGC-3′(plot B, dashed line). 0.1 M acetate buffer solution pH 5.0.