

Supplementary Information

Amplified Electrochemical Genotyping of Single-Nucleotide Polymorphisms using Graphene-Gold Nanoparticles Modified Glassy Carbon Platform

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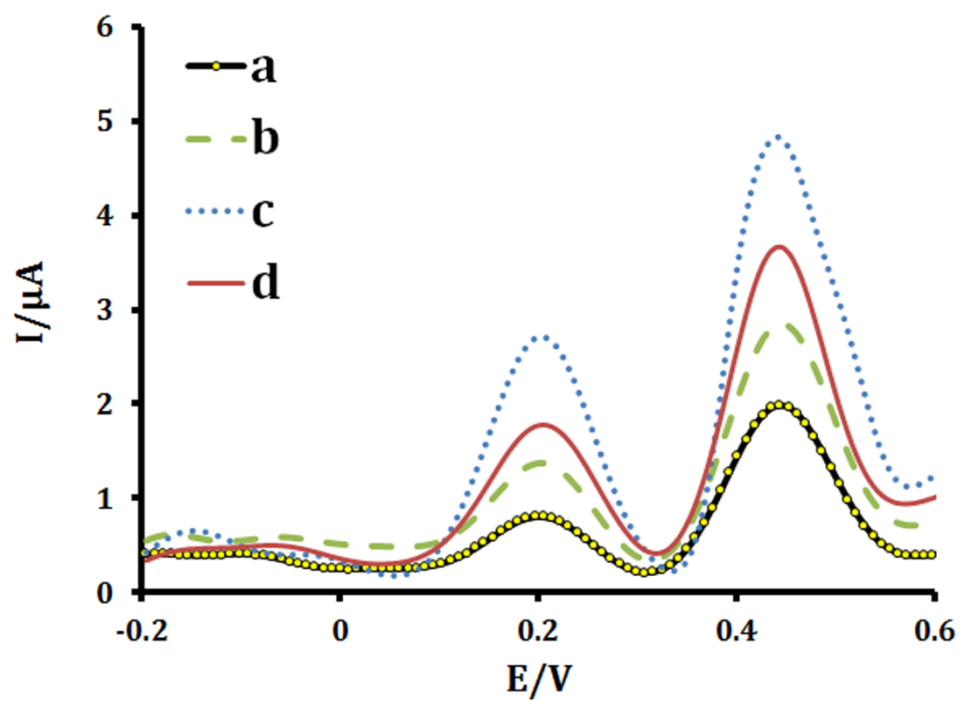


Figure S1. DPV of the A-C mismatch-modified GR-AuNPs/GCE when the treated with T-AgNPs/G-Au-DABA at different deposition time. (a) 50 s, (b) 70 s, (c) 90 s, (d) 120 s.

Table S1. Confirmation test of linearity

G-T (10-1700 pM)

Source of variation	Sum of squares	Degrees of freedom	Mean squares	Fisher ratio	F _{crit}	Conclusion
Regression	441.631	1	441.631	1510.475	4.381	Regression Accepted
Residual	5.552	19	0.292			
Lack of fit	1.928	5	0.385	1.488	2.958	Linearity Accepted
Pure error	3.627	14	0.259			
Total	447.186	20				

A-C (20-1200 pM)

Source of variation	Sum of squares	Degrees of freedom	Mean squares	Fisher ratio	F _{crit}	Conclusion
Regression	44.270	1	44.270	689.642	4.494	Regression Accepted
Residual	1.027	16	0.064			
Lack of fit	0.394	4	0.098	1.869	3.259	Linearity Accepted
Pure error	0.636	12	0.053			
Total	45.298	17				