

## Supplementary Information

### **Amplified electrochemical microRNA biosensor using hemin-G-quadruplex complex as the sensing element**

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Table S1. Comparison of RSD for microRNA detection between this work and previous reports  
based on electrochemical techniques.

	Detection methods	RSD (%)	References
1	Electrochemical impedance spectroscopy	<12%	[1]
2	Amperometry	16-22%	[2]
3	Electrochemical impedance spectroscopy	<15%	[3]
4	Amperometry	<15%	[4]
5	Square wave voltammetry	<15%	[5]
6	Conductance	<15%	[6]
7	Amperometry	<15%	[7]
8	Amperometry	12.62%	This work

References:

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