

Supplementary Materials

Electrochemical DNA Cleavage Sensing for EcoRV Activity and Inhibition with an ERGO Electrode

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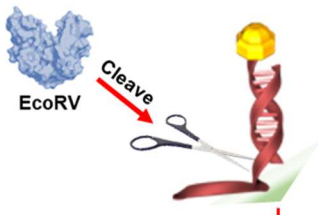
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Table S1. Source and recognition site of EcoRV.

Enzyme	Source	Recognition Sequence	Cut	
EcoRV	Escherichia coli	5'GATATC 3'CTATAG	5'---GAT 3'---CTA	ATC---3' TAG---5'



5'-CTA GCT ATG TGC CGA ATT TCA AGG ACA GTT GTA TGG **AT** A TCA TAC T-3'
3'-ACC **TA** T **AGT** ATG A-5'

Table S2. Contact angle measurements of water droplets on each electrode.

	Bare GCE	ERGO-GCE	DNA/ERGO-GCE
Average	76.44°	79.19°	53.25°
Standard Deviation (n=3)	0.40	0.14	1.61

