

## Supplementary Materials

### Rapid diagnosis of acute myocardial infarction based on accelerated strand exchange amplification of miR-208a

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Table S1 Confusion Matrix

Confusion Matrix		cTnI	
		AMI	Health
miR-208a	AMI	True Positive (TP)	False Positive (FP)
	Health	False Negative (FN)	True Negative (TN)

#### Equations:

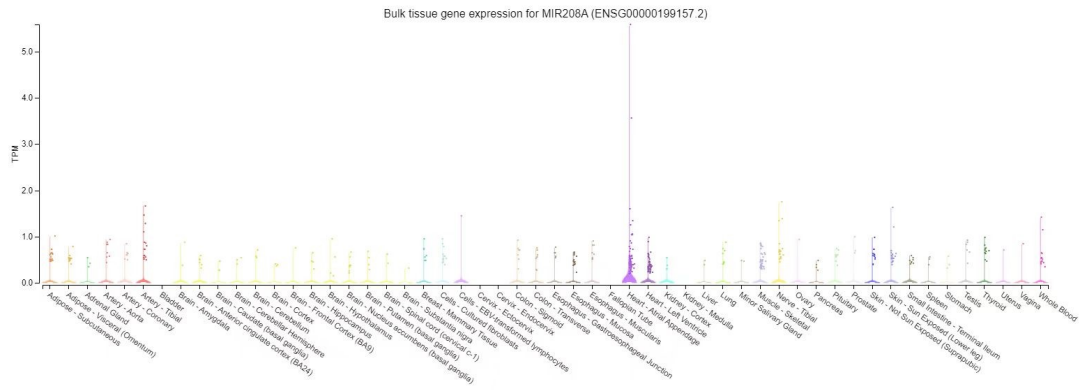
$$TPR (\text{True Positive Rate}) = \frac{TP}{TP + FN} \quad (1)$$

$$TNR (\text{True Negative Rate}) = \frac{TN}{TN + FP} \quad (2)$$

$$FPR (\text{False Positive Rate}) = \frac{FP}{FP + TN} = 1 - TNR \quad (3)$$

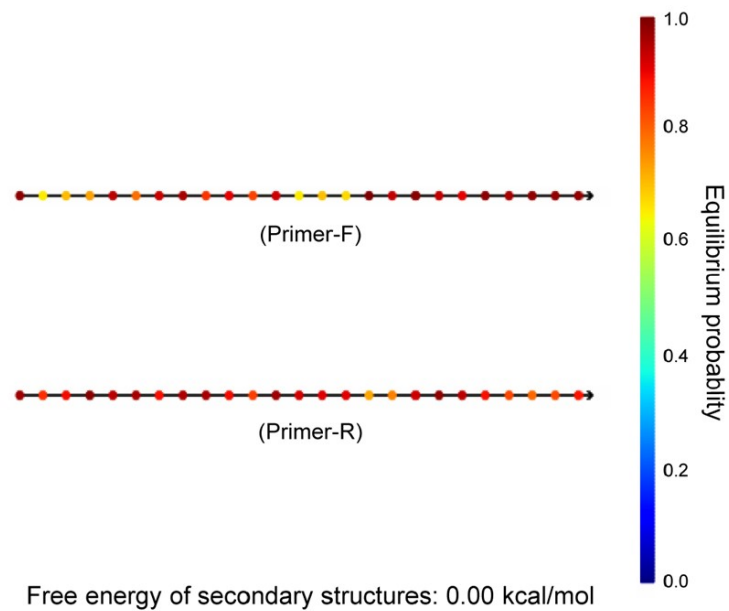
$$\text{Sensitivity} = \text{True Positive Rate} \quad (4)$$

$$\text{Specificity} = \text{True Negative Rate} \quad (5)$$



**Fig. S1** Specific expression of miR-208a in various diseases from GTEx website.

(<https://www.gtexportal.org/home/>)



**Fig. S2** Analysis results of primers by NUPACK software. (<https://nupack.org/>)