Supplementary Material 2. Definitions of classification outcomes used in model evaluation

$$\text{Accuracy} = \frac{(TP + TN)}{(TP + TN + FP + FN)}$$

$$\text{Precision} = \frac{TP}{(TP+FP)} \qquad \text{Recall} = \frac{TP}{(TP+FN)}$$

$$\text{F1 score} = 2\,x\frac{\text{Precision x Recall}}{\text{Precision} + \text{Recall}}$$

$$\text{MCC} = \frac{TN\ x\ TP - FN\ x\ FP}{\sqrt{(TP + FP)\ (TP + FN)\ (TN + FP)\ (TN + FN)}}$$

Diagnostic test	Gold standard	
	Positive	Negative
Positive	TP	FP
Negative	FN	TN

TP: True Positive; TN: True Negative

FN: False Negative; FP: False Positive