**S3 Table** Model performance metrics and their description: TP – true positive, FP – false positive, TN – true negative, FN – false negative, TPR – true positive rate (TP/Positives), TNR – true negative rate (TN/negatives)

|  |  |
| --- | --- |
| **Performance metric** | **Formula** |
| Matthews correlation coefficient (MCC) |  |
| F1 score |  |
| Balanced accuracy (BAC) |  |
| Kappa statistic |  |
| Positive predictive value (PPV) |  |
| Accuracy |  |
| Mean misclassification error (MMCE) | Defined as: mean(response != truth) |