

Table S10: Performance of hybrid model (BLAST+ML) on the validation set of gram-variable ABPs independent at different e-value

E-value	Correct hits (BLAST+ML)	Sn	Sp	Acc	AUC	AUPRC	MCC
1.00E-20	87.26%	86.5	88.6	87.6	0.93	0.92	0.75
1.00E-10	87.37%	87.2	88.3	87.7	0.92	0.87	0.75
1.00E-06	87.59%	86.8	88.9	87.8	0.92	0.86	0.76
0.0001	87.62%	86.8	88.8	87.8	0.92	0.86	0.76
0.001	87.62%	86.6	88.8	87.7	0.92	0.87	0.75
0.01	87.40%	86.1	88.9	87.5	0.92	0.87	0.75
0.1	87.34%	85.9	88.8	87.3	0.92	0.88	0.75
1	86.84%	85.1	88.3	86.7	0.92	0.88	0.73
10	83.81%	81.4	85.0	83.2	0.91	0.88	0.66
50	82.39%	79.2	84.1	81.7	0.91	0.88	0.63
100	82.03%	78.9	83.8	81.3	0.91	0.88	0.63
200	81.91%	78.8	83.6	81.2	0.91	0.88	0.63
1000	81.80%	78.6	83.6	81.1	0.91	0.88	0.62
Only ML	87.01%	83.9	90.1	87.0	0.94	0.93	0.74

Sn: Sensitivity, **Sp**: Specificity, **Acc**: Accuracy, **MCC**: Matthews Correlation Coefficient, **AUC**: Area Under the Receiver Operating Characteristic curve, **AUPRC**: Area Under the Precision-Recall Curve