

Table S1 - Performance comparison of MTP predictors on the training set

Method	Acc (%)	Sensitivity (%)	Specificity (%)	MCC
Bayes-AAC	69.30	74.87	62.04	0.37
Bayes-DPC	71.04	78.33	61.54	0.41
Bayes-AAindex	67.20	73.46	59.03	0.33
Bayes-PSSM	73.88	85.77	58.36	0.46
J48-AAC	68.00	72.56	62.04	0.35
J48-DPC	62.26	67.56	55.35	0.23
J48-AAindex	67.49	69.23	65.22	0.34
J48-PSSM	69.88	74.62	63.71	0.38
KNN-AAC(k=7)	70.54	86.28	50.00	0.39
KNN-DPC(k=5)	64.08	87.82	33.11	0.25
KNN-AAindex(k=7)	71.99	79.87	61.71	0.42
KNN-PSSM(k=13)	73.88	85.77	58.36	0.46
SVM-AAC	75.69	78.64	71.88	0.51
SVM-DPC	72.71	75.44	69.01	0.44
SVM-AAindex	76.27	78.10	72.28	0.50
SVM-PSSM	76.63	80.32	72.30	0.53
SCMMTP	81.12	83.76	77.68	0.62
Mean	71.29	78.38	61.98	0.41