

Supplementary Table S5

Machine learning performance measures for predicting the presence of transmembrane domains

Performance measures (%)	adaBoost	RF	Ensemble
Accuracy	72.91	76.25	73.65
Error Rate	27.09	23.75	26.35
Sensitivity	71.06	72.73	71.61
False Positive Rate	25.23	20.22	24.30
Specificity	74.77	79.78	75.70
Positive Predictive Value	73.80	78.24	74.66
Negative Predictive Value	72.09	74.52	72.73

Values in bold indicate best performances.

adaBoost = adaptive boosting; RF = Random Forest ; Ensemble = final classifications derived from the average of adaBoost and RF classification probabilities.