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Predicting membrane protein types by incorporating a novel feature set into Chou's general PseAAC

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Highlights

- Novel feature set to predict membrane protein types is proposed.
- Performance of decision tree classifiers such as Decision tree, CART, Adaboost, RUS boost, Rotation forest and Random forest are compared in predicting membrane protein types.
- Novel feature set with less number of features than existing feature set performs equivalent to the existing feature set.
- New dataset is used
- Random forest and Adaboost performs well.

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