Resource Summary Report

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SVM based method for predicting beta hairpin structures in proteins

RRID:SCR_008349
Type: Tool

Proper Citation

SVM based method for predicting beta hairpin structures in proteins (RRID:SCR_008349)

Resource Information

URL: http://www.imtech.res.in/raghava/bhairpred/

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Description: Bhairpred server is based on machine learning technique SVM using single sequence information, evolutionary profile, predicted and observed secondary structure (as obtained using Psipred and DSSP), predicted and observed accessibility values (as obtainned from Netasa and DSSP). The methods were trained and tested on dataset of 2880 proteins and their performance was evaluated on dataset of 534 proteins used by Thornton (PNAS, 2002). Best prediction results were obtained with hybrid approach that combined prediction results from evolutionary profile, predicted secondary structure and accessibility.

Synonyms: BhairPred

Resource Type: analysis service resource, service resource, production service resource, data analysis service

Keywords: evolutionary, information, protein, protein structure prediction, secondary, sequence, single, svm, technique, bio.tools

Funding: Institute of Microbial Technology

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Resource ID: SCR_008349

Alternate IDs: nif-0000-25213, biotools:bhairpred

Alternate URLs: https://bio.tools/bhairpred

Record Creation Time: 20220129T080246+0000

Record Last Update: 20250416T063518+0000

Ratings and Alerts

No rating or validation information has been found for SVM based method for predicting beta hairpin structures in proteins.

No alerts have been found for SVM based method for predicting beta hairpin structures in proteins.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Bussaglia E, et al. (2019) TET2 missense variants in human neoplasia. A proposal of structural and functional classification. Molecular genetics & genomic medicine, 7(7), e00772.

Fox JA, et al. (2005) The Bioinformatics Links Directory: a compilation of molecular biology web servers. Nucleic acids research, 33(Web Server issue), W3.