Prediction and Analysis of Nuclear Localization Signals

RRID:SCR_008553
Type: Tool

Proper Citation

Prediction and Analysis of Nuclear Localization Signals (RRID:SCR_008553)

Resource Information

URL: https://rostlab.org/owiki/index.php/PredictNLS

Description: PredictNLS is an automated tool for the analysis and determination of Nuclear Localization Signals (NLS). It does You submit a protein sequence or a potential NLS. PredictNLS predicts that your protein is nuclear or finds out whether your potential NLS is found in our database. The program also compiles statistics on the number of nuclear/non-nuclear proteins in which your potential NLS is found. Finally, proteins with similar NLS motifs are reported, and the experimental paper describing the particular NLS are given. If no NLS is found, you can predict the subcellular localization of the protein using LOCTree. You can * use predictNLS online ( single protein sequence or NLS motif ) . * Read the predictNLS manual * get a list of potential Nuclear and DNA binding proteins in entire genomes. * browse the NLS database using SRS: NLSdb * submit your NLS for inclusion in the NLS database. * download your local version of PredictNLS. * use LOCTree to predict the subcellular localization of your protein. This work was supported by NIH Grants LM007329 (B.R.) and GM50291 (A.G.P.). Helpful discussions with Ann McDermott (Columbia University) and Wayne Hendrickson (Columbia University) are gratefully acknowledged. Publications: http://cubic.bioc.columbia.edu/pubs.php

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Resource Type: Resource, analysis service resource, software resource, data analysis service, service resource, production service resource
Resource ID: SCR_008553

Parent Organization: Columbia University; New York; USA

Related resources: OMICtools

Website Status: Last checked up

Alternate IDs: nif-0000-31416

Alternate URLs: http://www.rostlab.org/services/predictNLS/

Mentions Count: 5

Ratings and Alerts

No rating or validation information has been found for Prediction and Analysis of Nuclear Localization Signals.

No alerts have been found for Prediction and Analysis of Nuclear Localization Signals.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 5 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch Infrastructure.


