Resource Summary Report

Generated by FDI Lab - SciCrunch.org on May 21, 2025

PredSL

RRID:SCR_000626
Type: Tool

Proper Citation

PredSL (RRID:SCR_000626)

Resource Information

URL: http://aias.biol.uoa.gr/PredSL/

Proper Citation: PredSL (RRID:SCR_000626)

Description: Web tool using an algorithm that exploits neural networks, Markov Chains, and HMMs for the prediction of the subcellular localization of proteins in eukaryotic cells from the N-terminal amino acid sequence and aims to classify proteins into five groups: Chloroplast, Thylakoid, Mitochondrion, Secreted proteins, and Other. As input PredSL requires the protein's sequence in fasta format.

Abbreviations: PredSL

Synonyms: PREDiction of Subcellular Location from the N-terminal Sequence

Resource Type: data access protocol, web service, software resource

Defining Citation: PMID:16689702

Keywords: subcellular localization of proteins prediction, proteins in eukaryotic cells prediction, N-terminal amino acid sequence prediction, classify proteins,

Funding:

Resource Name: PredSL

Resource ID: SCR_000626

Alternate IDs: nlx_151739

Old URLs: http://hannibal.biol.uoa.gr/PredSL/

Record Creation Time: 20220129T080202+0000

Record Last Update: 20250521T060744+0000

Ratings and Alerts

No rating or validation information has been found for PredSL.

No alerts have been found for PredSL.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Chen N, et al. (2017) Subcellular Localization of a Plant Catalase-Phenol Oxidase, AcCATPO, from Amaranthus and Identification of a Non-canonical Peroxisome Targeting Signal. Frontiers in plant science, 8, 1345.

Chen N, et al. (2017) Cytosolic and Nuclear Co-localization of Betalain Biosynthetic Enzymes in Tobacco Suggests that Betalains Are Synthesized in the Cytoplasm and/or Nucleus of Betalainic Plant Cells. Frontiers in plant science, 8, 831.

Króliczewski J, et al. (2017) Chloroplast PetD protein: evidence for SRP/Alb3-dependent insertion into the thylakoid membrane. BMC plant biology, 17(1), 213.

Paventi G, et al. (2017) The occurrence of l-lactate dehydrogenase in the inner mitochondrial compartment of pig liver. Biochemical and biophysical research communications, 489(2), 255.