

# Resource Summary Report

Generated by [dkNET](#) on Aug 6, 2026

## PredSL

RRID:SCR\_000626

Type: Tool

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### Proper Citation

PredSL (RRID:SCR\_000626)

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### 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, software resource, web service

**Defining Citation:** [PMID:16689702](#)

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

**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:** 20260805T044011+0000

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### Ratings and Alerts

No rating or validation information has been found for PredSL.

No alerts have been found for PredSL.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [dkNET](#) .

Terpis KX, et al. (2025) Multiple plastid losses within photosynthetic stramenopiles revealed by comprehensive phylogenomics. *Current biology : CB*, 35(3), 483.

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.

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.

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.

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