# **Resource Summary Report**

Generated by FDI Lab - SciCrunch.org on May 14, 2024

## **PSIPRED**

RRID:SCR\_010246

Type: Tool

### **Proper Citation**

PSIPRED (RRID:SCR\_010246)

#### Resource Information

URL: http://bioinf.cs.ucl.ac.uk/psipred/

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**Description:** Web tool as secondary structure prediction method, incorporating two feed forward neural networks which perform analysis on output obtained from PSI-BLAST. Web server offering analyses of protein sequences.

Synonyms: PSIPRED Protein Sequence Analysis Workbench, PSIPRED 4.0

**Resource Type:** web service, production service resource, service resource, software resource, analysis service resource, data access protocol

**Defining Citation:** DOI:10.1093/nar/gkz297

**Keywords:** Predict Secondary Structure, protein analysis, secondary structure prediction, protein sequence, sequence analysis, protein, analysis

**Funding Agency:** Biotechnology and Biological Science Research Council, University College London

Availability: Free, Freely available

Resource Name: PSIPRED

Resource ID: SCR 010246

Alternate IDs: SCR\_018546, nlx\_156884

Alternate URLs: https://sources.debian.org/src/psipred/

### **Ratings and Alerts**

No rating or validation information has been found for PSIPRED.

No alerts have been found for PSIPRED.

#### **Data and Source Information**

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 1468 mentions in open access literature.

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

Fatalska A, et al. (2024) Recruitment of trimeric eIF2 by phosphatase non-catalytic subunit PPP1R15B. Molecular cell, 84(3), 506.

Guilvout I, et al. (2024) Membrane platform protein PulF of the Klebsiella type II secretion system forms a trimeric ion channel essential for endopilus assembly and protein secretion. mBio, 15(1), e0142323.

Naveed M, et al. (2024) Development and immunological evaluation of an mRNA-based vaccine targeting Naegleria fowleri for the treatment of primary amoebic meningoencephalitis. Scientific reports, 14(1), 767.

Shams MH, et al. (2024) Designing a T-cell epitope-based vaccine using in silico approaches against the Sal k 1 allergen of Salsola kali plant. Scientific reports, 14(1), 5040.

Chen Y, et al. (2024) Salicylic acid inducing the expression of maize anti-insect gene SPI: a potential control strategy for Ostrinia furnacalis. BMC plant biology, 24(1), 152.

Biswas SS, et al. (2024) Phytocompounds as potential inhibitors of mycobacterial multidrug efflux pump Rv1258c: an in silico approach. AMB Express, 14(1), 25.

Arshad SF, et al. (2024) Multi-epitopes vaccine design for surface glycoprotein against SARS-CoV-2 using immunoinformatic approach. Heliyon, 10(2), e24186.

Marques PH, et al. (2024) Design of a Multi-Epitope Vaccine against Histoplasma capsulatum through Immunoinformatics Approaches. Journal of fungi (Basel, Switzerland), 10(1).

Roy BG, et al. (2024) Predictive Modeling of Proteins Encoded by a Plant Virus Sheds a New Light on Their Structure and Inherent Multifunctionality. Biomolecules, 14(1).

Luo L, et al. (2024) Characterization and Potential Action Mode Divergences of Homologous

ACO1 Genes during the Organ Development and Ripening Process between Non-Climacteric Grape and Climacteric Peach. International journal of molecular sciences, 25(2).

Chen S, et al. (2024) Genome-Wide Analysis of Nuclear factor-YC Genes in the Tea Plant (Camellia sinensis) and Functional Identification of CsNF-YC6. International journal of molecular sciences, 25(2).

Williams ME, et al. (2024) HIV-1 Vif protein sequence variations in South African people living with HIV and their influence on Vif-APOBEC3G interaction. European journal of clinical microbiology & infectious diseases: official publication of the European Society of Clinical Microbiology, 43(2), 325.

Hakami MA, et al. (2024) An immunoinformatics and structural vaccinology approach to design a novel and potent multi-epitope base vaccine targeting Zika virus. BMC chemistry, 18(1), 31.

Döring M, et al. (2024) Nucleolar protein TAAP1/C22orf46 confers pro-survival signaling in non-small cell lung cancer. Life science alliance, 7(4).

Murtaza A, et al. (2024) Advancing PEDV Vaccination: Comparison between Inactivated and Flagellin N-Terminus-Adjuvanted Subunit Vaccines. Vaccines, 12(2).

Liu Y, et al. (2024) Compound heterozygous WNT10A missense variations exacerbated the tooth agenesis caused by hypohidrotic ectodermal dysplasia. BMC oral health, 24(1), 136.

Jiang T, et al. (2024) Purification and Properties of a Plasmin-like Marine Protease from Clamworm (Perinereis aibuhitensis). Marine drugs, 22(2).

Liu D, et al. (2024) Epitope screening and vaccine molecule design of PRRSV GP3 and GP5 protein based on immunoinformatics. Journal of cellular and molecular medicine, 28(3), e18103.

Pham TH, et al. (2024) Genome-wide characterization of COMT family and regulatory role of CsCOMT19 in melatonin synthesis in Camellia sinensis. BMC plant biology, 24(1), 51.

Antony A, et al. (2024) Antimicrobial and antitumor properties of anuran peptide temporin-SHf induce apoptosis in A549 lung cancer cells. Amino acids, 56(1), 12.