

Resource Summary Report

Generated by [NIF](#) on Apr 21, 2025

SignalP

RRID:SCR_015644

Type: Tool

Proper Citation

SignalP (RRID:SCR_015644)

Resource Information

URL: <http://www.cbs.dtu.dk/services/SignalP/>

Proper Citation: SignalP (RRID:SCR_015644)

Description: Web application for prediction of the presence and location of signal peptide cleavage sites in amino acid sequences from different organisms. The method incorporates a prediction of cleavage sites and a signal peptide/non-signal peptide prediction based on a combination of several artificial neural networks.

Resource Type: web application, software resource

Defining Citation: [PMID:28451972](#)

Keywords: prediction, signal peptide, cleavage site, amino acid, sequence, artificial neural network

Funding:

Availability: Freely available, Acknowledgment requested, Free, Available for download, Runs on Windows, Runs on Mac OS

Resource Name: SignalP

Resource ID: SCR_015644

Record Creation Time: 20220129T080326+0000

Record Last Update: 20250420T015239+0000

Ratings and Alerts

No rating or validation information has been found for SignalP.

No alerts have been found for SignalP.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 8887 mentions in open access literature.

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

Guillou MC, et al. (2025) Phytocytokine genes newly discovered in *Malus domestica* and their regulation in response to *Erwinia amylovora* and acibenzolar-S-methyl. *The plant genome*, 18(1), e20540.

Zhou X, et al. (2025) Transethnic analysis identifies SORL1 variants and haplotypes protective against Alzheimer's disease. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(1), e14214.

Wang J, et al. (2025) LC-AMP-I1, a novel venom-derived antimicrobial peptide from the wolf spider *Lycosa coelestis*. *Antimicrobial agents and chemotherapy*, 69(1), e0042424.

Espinheira RP, et al. (2025) Discovery and Characterization of Mannan-Specialized GH5 Endo-1,4- α -mannanases: a Strategy for Açai (*Euterpe oleracea* Mart.) Seeds Upgrading. *Journal of agricultural and food chemistry*, 73(1), 625.

Ayala-García P, et al. (2025) Extracellular Vesicle-Driven Crosstalk between Legume Plants and Rhizobia: The Peribacteroid Space of Symbiosomes as a Protein Trafficking Interface. *Journal of proteome research*, 24(1), 94.

Panwar D, et al. (2025) Transcriptional delineation of polysaccharide utilization loci in the human gut commensal *Segatella copri* DSM18205 and co-culture with exemplar *Bacteroides* species on dietary plant glycans. *Applied and environmental microbiology*, 91(1), e0175924.

Hsieh LC, et al. (2025) Transcriptomic and enzymatic analysis of peroxidase families at the early growth stage of halophyte ice plant (*Mesembryanthemum crystallinum* L.) under salt stress. *Botanical studies*, 66(1), 5.

Macdonald JFH, et al. (2025) Exploring *Tetraselmis chui* microbiomes-functional metagenomics for novel catalases and superoxide dismutases. *Applied microbiology and biotechnology*, 109(1), 6.

Vasistha P, et al. (2025) Effector proteins of *Funneliformis mosseae* BR221: unravelling

plant-fungal interactions through reference-based transcriptome analysis, in vitro validation, and protein-protein docking studies. *BMC genomics*, 26(1), 42.

Marotta J, et al. (2025) The BfmRS stress response protects *Acinetobacter baumannii* against defects in outer membrane lipoprotein biogenesis. *Journal of bacteriology*, 207(1), e0033224.

Magyar LB, et al. (2025) Pore-Forming Toxin-Like Proteins in the Anti-Parasitoid Immune Response of *Drosophila*. *Journal of innate immunity*, 17(1), 10.

Li Y, et al. (2025) PlasmidScope: a comprehensive plasmid database with rich annotations and online analytical tools. *Nucleic acids research*, 53(D1), D179.

Dong B, et al. (2025) Antibody Responses and the Vaccine Efficacy of Recombinant Glycosyltransferase and Nicastrin Against *Schistosoma japonicum*. *Pathogens (Basel, Switzerland)*, 14(1).

Ou C, et al. (2025) Functional Characterization of the PoWHY1 Gene from *Platyclusus orientalis* and Its Role in Abiotic Stress Tolerance in Transgenic *Arabidopsis thaliana*. *Plants (Basel, Switzerland)*, 14(2).

Jin F, et al. (2025) Suppression of Nodule Formation by RNAi Knock-Down of Bax inhibitor-1a in *Lotus japonicus*. *Genes*, 16(1).

Wang P, et al. (2025) NcSWP8, a New Spore Wall Protein, Interacts with Polar Tube Proteins in the Parasitic Microsporidia *Vairimorpha (Nosema) ceranae*. *Microorganisms*, 13(1).

Willemsen A, et al. (2025) Novel High-Quality Amoeba Genomes Reveal Widespread Codon Usage Mismatch Between Giant Viruses and Their Hosts. *Genome biology and evolution*, 17(1).

Warschkau D, et al. (2025) Proteomic identification of a *Toxoplasma gondii* sporozoite-specific antigen using HDAC3 inhibitor-treated tachyzoites as surrogate. *FEMS microbes*, 6, xtae034.

Song L, et al. (2025) Wheat Leaf Rust Effector Pt48115 Localized in the Chloroplasts and Suppressed Wheat Immunity. *Journal of fungi (Basel, Switzerland)*, 11(1).

Wu W, et al. (2025) Antimicrobial resistance, virulence gene profiles, and molecular epidemiology of enterococcal isolates from patients with urinary tract infections in Shanghai, China. *Microbiology spectrum*, 13(1), e0121724.