

Resource Summary Report

Generated by [kravitz2](#) on Sep 5, 2026

SignalP

RRID:SCR_015644

Type: Tool

Proper Citation

SignalP (RRID:SCR_015644)

Resource Information

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

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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: software resource, web application

Defining Citation: [PMID:28451972](#)

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

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: 20260903T235849+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

Usage and Citation Metrics

We found 10033 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Chen L, et al. (2026) Mycobacterial metallophosphatase MmpE acts as a nucleomodulin to regulate host gene expression and promote intracellular survival. *eLife*, 14.

Lai D, et al. (2026) Branched-chain amino acid specialization drove diversification within *Calditenuaceae* (*Caldarchaeia*) and enables their cultivation. *Nature communications*, 17(1).

Guldner IH, et al. (2026) Ageing promotes microglial accumulation of slow-degrading synaptic proteins. *Nature*, 650(8103), 930.

Geum S, et al. (2026) Functional Dipeptide Production by Immobilized Enzyme on Yeast Cell Surface. *Journal of microbiology and biotechnology*, 36, e2512032.

De'Ath C, et al. (2026) YdbL directly modulates YdbH-YnbE bridge formation to maintain *Escherichia coli* outer membrane homeostasis. *bioRxiv : the preprint server for biology*.

Zhang Y, et al. (2026) Identification of BmSP25 gene in *Bombyx mori* with antiviral function against BmNPV. *PloS one*, 21(3), e0345502.

Fu Y, et al. (2026) Disruption of yellow-e3 impairs both adult molting and cuticular melanization in the honeybee (*Apis mellifera*). *Frontiers in zoology*, 23(1).

Pohto A, et al. (2026) Uncovering Sequence and Structural Characteristics of Fungal Expansin-Related Proteins With Potential to Drive Substrate Targeting. *Proteins*, 94(2), 547.

Zhang J, et al. (2026) Polymorphism and evolutionary origins of accessory chromosomes in the basidiomycete *Tremella fuciformis*. *Nature communications*, 17(1).

Yao B, et al. (2026) Cascaded regulatory network composed of small RNAs involves in the symbiosis of *Panax notoginseng* and fungus *Acremonium* sp. D212. *Scientific reports*, 16(1).

Stickney A, et al. (2026) Relative Humidity Influences *Aureobasidium pullulans* Degradation of Polyester Polyurethane Foam. *Environmental microbiology reports*, 18(2), e70298.

Hu W, et al. (2026) Genome-Wide Identification and Comparative Characterization of Chemosensory Gene Families in Two *Phthorimaea* Pests. *Insects*, 17(2).

Ferrari ASA, et al. (2026) Discovery of Novel c-di-GMP-Related Genes in *Leptospira interrogans*. *Pathogens (Basel, Switzerland)*, 15(2).

Ke Q, et al. (2026) Construction and Biological Characterization of ORF133-Deletion Mutant of Lumpy Skin Disease Virus. *Viruses*, 18(2).

Liu CP, et al. (2026) A brain-gut excitatory peptide/CCHamide homolog regulates satiation and motivational state transitions in the *Aplysia* feeding circuit. *The Journal of biological chemistry*, 302(3), 111257.

van Gorp E, et al. (2026) Ambler class C-type β -lactamases and porin alterations in *Enterobacter cloacae* complex and *Klebsiella aerogenes* in the Netherlands, 2012-2023. *BMC microbiology*, 26(1).

Nixon A, et al. (2026) *Borrelia* BBJ25 is a plasmid-encoded Omp85-family protein associated with a potential export system. *Bioscience reports*, 46(2).

Kabir M, et al. (2026) A machine learning classifier to identify and prioritise genes associated with murine cardiac development. *PLoS genetics*, 22(2), e1011489.

Baek K, et al. (2026) Genomic and in vitro characterization of two lytic bacteriophages infecting multidrug-resistant *Erwinia* sp. strain AnSW2-5. *Scientific reports*, 16(1).

Armbruster KM, et al. (2026) Identification and characterization of the functional LolB ortholog in *Bacteroides*. *bioRxiv : the preprint server for biology*.