

Resource Summary Report

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PredGPI

RRID:SCR_018363

Type: Tool

Proper Citation

PredGPI (RRID:SCR_018363)

Resource Information

URL: <http://gpcr.biocomp.unibo.it/predgpi/pred.htm>

Proper Citation: PredGPI (RRID:SCR_018363)

Description: Prediction system for GPI-anchored proteins. Used to predict presence of GPI-anchor and position of omega site. Prediction server based on support vector machine for discrimination of anchoring signal, and on Hidden Markov Model for prediction of most probable omega site. Method for screening whole proteomes.

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

Defining Citation: [PMID:18811934](#)

Keywords: GPI anchored protein predictor, GPI anchored protein, predict presence of GPI anchor, predict position of omega site, discrimination of anchoring signal, prediction of probable omega site, data, screening whole proteome

Funding: European Union VI Framework Programme ; FIRB 2003 LIBI???International Laboratory of Bioinformatics

Availability: Free, Freely available

Resource Name: PredGPI

Resource ID: SCR_018363

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260731T043022+0000

Ratings and Alerts

No rating or validation information has been found for PredGPI.

No alerts have been found for PredGPI.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

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

Liao H, et al. (2025) Stress responsive glycosylphosphatidylinositol-anchored protein SsGSP1 contributes to Sclerotinia sclerotiorum virulence. *Virulence*, 16(1), 2503434.

Ozbudak E, et al. (2024) Transcriptome analysis of Colletotrichum nymphaeae-Strawberry interaction reveals in planta expressed genes associated with virulence. *Frontiers in plant science*, 15, 1390926.

Chou RT, et al. (2024) Positive-unlabeled learning identifies vaccine candidate antigens in the malaria parasite Plasmodium falciparum. *NPJ systems biology and applications*, 10(1), 44.

Zamoto-Niikura A, et al. (2024) Genetic investigation of glycosylphosphatidylinositol (GPI) anchored Bd37 orthologs in Babesia divergens group and potential use of recombinant protein for ecological survey in deer. *The Journal of veterinary medical science*, 86(11), 1185.

Samalova M, et al. (2023) The New GPI-Anchored Protein, SwgA, Is Involved in Nitrogen Metabolism in the Pathogenic Filamentous Fungus Aspergillus fumigatus. *Journal of fungi (Basel, Switzerland)*, 9(2).

Wang D, et al. (2023) Hypothetical Protein VDAG_07742 Is Required for Verticillium dahliae Pathogenicity in Potato. *International journal of molecular sciences*, 24(4).

Li C, et al. (2023) Verticillium dahliae Effector VdCE11 Contributes to Virulence by Promoting Accumulation and Activity of the Aspartic Protease GhAP1 from Cotton. *Microbiology spectrum*, 11(1), e0354722.

Matt AS, et al. (2022) Extracellular carbonic anhydrase activity promotes a carbon concentration mechanism in metazoan calcifying cells. *Proceedings of the National Academy of Sciences of the United States of America*, 119(40), e2203904119.

Song T, et al. (2021) The N-terminus of an Ustilaginoidea virens Ser-Thr-rich glycosylphosphatidylinositol-anchored protein elicits plant immunity as a MAMP. *Nature communications*, 12(1), 2451.

Li Z, et al. (2021) Theileria annulata Subtelomere-Encoded Variable Secreted Protein-TA05575 Binds to Bovine RBMX2. *Frontiers in cellular and infection microbiology*, 11, 644983.

Le Roy N, et al. (2021) The skeletome of the red coral *Corallium rubrum* indicates an independent evolution of biomineralization process in octocorals. *BMC ecology and evolution*, 21(1), 1.

Li L, et al. (2021) Comparative gene expression analysis reveals that multiple mechanisms regulate the weeping trait in *Prunus mume*. *Scientific reports*, 11(1), 2675.

Li X, et al. (2021) Insights into the Mechanism of Bovine Spermiogenesis Based on Comparative Transcriptomic Studies. *Animals : an open access journal from MDPI*, 11(1).

Wojtowicz WM, et al. (2020) A Human IgSF Cell-Surface Interactome Reveals a Complex Network of Protein-Protein Interactions. *Cell*, 182(4), 1027.

Mencher A, et al. (2020) Proteomic characterization of extracellular vesicles produced by several wine yeast species. *Microbial biotechnology*, 13(5), 1581.

Weadick CJ, et al. (2020) Molecular Evolutionary Analysis of Nematode Zona Pellucida (ZP) Modules Reveals Disulfide-Bond Reshuffling and Standalone ZP-C Domains. *Genome biology and evolution*, 12(8), 1240.

Pritam M, et al. (2019) Exploitation of reverse vaccinology and immunoinformatics as promising platform for genome-wide screening of new effective vaccine candidates against *Plasmodium falciparum*. *BMC bioinformatics*, 19(Suppl 13), 468.