

Resource Summary Report

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DISULFIND

RRID:SCR_016072

Type: Tool

Proper Citation

DISULFIND (RRID:SCR_016072)

Resource Information

URL: <http://disulfind.dsi.unifi.it/>

Proper Citation: DISULFIND (RRID:SCR_016072)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on February 28,2023, Software for predicting the disulfide bonding state of cysteines and their disulfide connectivity, starting from a protein sequence alone and may be useful in other genomic annotation tasks.

Abbreviations: Disulfinder

Synonyms: Cysteines Disulfide Bonding State and Connectivity Predictor

Resource Type: sequence analysis software, software application, software resource, data analysis software, data processing software

Defining Citation: [PMID:16844986](#), [DOI:10.1093/nar/gkl266](#)

Keywords: predict, disulfide, bonding, state, cysteine, protein, sequence, genomic, annotation, bio.tools

Funding: EU STREP APriL II contract no. FP6-508861;
EU NoE BIOPATTERN contract no. FP6-508803;
Embark Fellowship from the Irish Research Council for Science ;
Engineering and Technology

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: DISULFIND

Resource ID: SCR_016072

Alternate IDs: OMICS_04214, biotools:disulfind

Alternate URLs: <https://bio.tools/disulfind>, <https://sources.debian.org/src/disulfinder/>

Record Creation Time: 20220129T080328+0000

Record Last Update: 20260819T044433+0000

Ratings and Alerts

No rating or validation information has been found for DISULFIND.

No alerts have been found for DISULFIND.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 71 mentions in open access literature.

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

Peñaflor-Téllez Y, et al. (2024) The Feline calicivirus Leader of the Capsid (LC) Protein Contains a Putative Transmembrane Domain, Binds to the Cytoplasmic Membrane, and Exogenously Permeates Cells. *Viruses*, 16(8).

Hashemi Shahraki F, et al. (2024) Heterologous expression, purification, and biochemical characterization of protease 3075 from *Cohnella* sp. A01. *PloS one*, 19(12), e0310910.

Salabi F, et al. (2023) Identification, classification, and characterization of alpha and beta subunits of LVP1 protein from the venom gland of four Iranian scorpion species. *Scientific reports*, 13(1), 22277.

Brewer MS, et al. (2023) Killer Knots: Molecular Evolution of Inhibitor Cystine Knot Toxins in Wandering Spiders (Araneae: Ctenidae). *Toxins*, 15(2).

Nuryana I, et al. (2022) Expression of Codon-Optimized Gene Encoding Murine Moloney Leukemia Virus Reverse Transcriptase in *Escherichia coli*. *The protein journal*, 41(4-5), 515.

Peñaflor-Téllez Y, et al. (2022) The Feline Calicivirus Leader of the Capsid Protein Has the Functional Characteristics of a Viroporin. *Viruses*, 14(3).

Zolfaghari Emameh R, et al. (2022) A reverse vaccinology approach on transmembrane carbonic anhydrases from *Plasmodium* species as vaccine candidates for malaria prevention. *Malaria journal*, 21(1), 189.

Fabiani M, et al. (2022) Agnathia-Otocephaly Complex Due to a De Novo Deletion in the OTX2 Gene. *Genes*, 13(12).

Pimkova K, et al. (2022) Quantitative analysis of redox proteome reveals oxidation-sensitive protein thiols acting in fundamental processes of developmental hematopoiesis. *Redox biology*, 53, 102343.

Arenas NE, et al. (2022) Design of a specific peptide against phenolic glycolipid-1 from *Mycobacterium leprae* and its implications in leprosy bacilli entry. *Memorias do Instituto Oswaldo Cruz*, 117, e220025.

Sacchi S, et al. (2021) Yin and Yang in Post-Translational Modifications of Human D-Amino Acid Oxidase. *Frontiers in molecular biosciences*, 8, 684934.

Estrada-Gómez S, et al. (2021) Analysis of High Molecular Mass Compounds from the Spider *Pamphobeteus verdolaga* Venom Gland. A Transcriptomic and MS ID Approach. *Toxins*, 13(7).

Zhou X, et al. (2021) Expression and Function Analysis of Interleukin-17A/F1, 2, and 3 Genes in Yellow Catfish (*Pelteobagrus fulvidraco*): Distinct Bioactivity of Recombinant IL-17A/F1, 2, and 3. *Frontiers in immunology*, 12, 626895.

Sadri Najafabadi Z, et al. (2021) Designing of a chimeric protein contains StxB, intimin and EscC against toxicity and adherence of enterohemorrhagic *Escherichia coli* O157:H7 and evaluation of serum antibody titers against it. *Molecular immunology*, 134, 218.

Bartošová-Sojková P, et al. (2021) Evolutionary Analysis of Cystatins of Early-Emerging Metazoans Reveals a Novel Subtype in Parasitic Cnidarians. *Biology*, 10(2).

Ebert MK, et al. (2021) Identification and characterization of *Cercospora beticola* necrosis-inducing effector CbNip1. *Molecular plant pathology*, 22(3), 301.

Christie AE, et al. (2020) Multiple transcriptome mining coupled with tissue specific molecular cloning and mass spectrometry provide insights into agatoxin-like peptide conservation in decapod crustaceans. *General and comparative endocrinology*, 299, 113609.

Joo MS, et al. (2020) The molecular characterization, expression analysis and antimicrobial activity of theromacin from Asian polychaeta (*Perinereis linea*). *Developmental and comparative immunology*, 112, 103773.

Holzknecht J, et al. (2020) The *Penicillium chrysogenum* Q176 Antimicrobial Protein PAFC Effectively Inhibits the Growth of the Opportunistic Human Pathogen *Candida albicans*. *Journal of fungi (Basel, Switzerland)*, 6(3).

Chen C, et al. (2020) Multimodal imaging and genetic characteristics of Chinese patients with USH2A-associated nonsyndromic retinitis pigmentosa. *Molecular genetics & genomic medicine*, 8(11), e1479.