

Resource Summary Report

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SWISS-MODEL

RRID:SCR_018123

Type: Tool

Proper Citation

SWISS-MODEL (RRID:SCR_018123)

Resource Information

URL: <https://swissmodel.expasy.org/>

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Description: Software tool as fully automated protein structure homology modeling server, accessible via ExPASy web server, or from program DeepView Swiss Pdb-Viewer. Structural bioinformatics web-server dedicated to homology modeling of 3D protein structures. Used to make protein modelling accessible to all biochemists and molecular biologists.

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

Defining Citation: [PMID:12824332](#)

Keywords: 3D protein structure, homology modeling server, protein modeling, structural bioinformatics, automated comparative modeling, bio.tools

Availability: Free, Freely available

Resource Name: SWISS-MODEL

Resource ID: SCR_018123

Alternate IDs: biotools:swiss-model_workspace, biotools:swiss_model

Alternate URLs: https://bio.tools/swiss_model, https://bio.tools/swiss-model_workspace

Record Creation Time: 20220129T080338+0000

Record Last Update: 20260821T194128+0000

Ratings and Alerts

No rating or validation information has been found for SWISS-MODEL.

No alerts have been found for SWISS-MODEL.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4218 mentions in open access literature.

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

Wherley TJ, et al. (2026) Myomaker and ether lipids cooperate to promote fusion-competent membrane states. *Cell reports*, 45(2), 116900.

Kong XX, et al. (2026) TostOBP12 mediates the olfactory response to host volatiles in the parasitoid wasp *Trichogramma ostrinae*. *Insect biochemistry and molecular biology*, 104491.

Padariya M, et al. (2026) Structural adaptability of SARS-CoV-2 Nsp1 with the host network. *European biophysics journal* : EBJ, 55(1), 41.

Florea M, et al. (2026) A pseudoenzyme enables indole biosynthesis in eudicot plants. *Nature chemical biology*, 22(1), 120.

Juanpere-Borras M, et al. (2026) Genome-wide Identification of conditionally essential genes supporting *Streptococcus suis* growth in serum and cerebrospinal fluid. *Virulence*, 17(1), 2600145.

Du S, et al. (2026) Characterization and genomic analysis of DSF2: a novel lytic phage infecting multidrug-resistant *Shigella*. *Frontiers in microbiology*, 17, 1740847.

Liu S, et al. (2026) Comprehensive genome-wide identification, structural analysis, and cold-responsive expression profiling of double B-box (DBB) transcription factors in melon (*Cucumis melo* L.). *BMC plant biology*, 26(1).

Sadeghi Moghadam M, et al. (2026) Potent and selective α -glucosidase inhibition by coumarin-triazole conjugates: design, in vivo evaluation, and computational insights. *RSC advances*, 16(32), 29844.

DiSanza BL, et al. (2026) Bi-allelic variants in BCAT1 impair mitochondrial function and are associated with a candidate neurometabolic disorder. *HGG advances*, 7(1), 100525.

Kishida K, et al. (2026) Immune-induced TCR-like antibodies regulate specific T cell response in mice. *Nature communications*, 17(1).

Cao G, et al. (2026) Bacterial extracellular vesicles from *Streptococcus mutans* drive OSCC progression through β -catenin signaling. *Scientific reports*, 16(1).

Santos DDS, et al. (2026) Diversity and evolutionary dynamics of universal stress proteins in the *Liquorilactobacillus* genus. *World journal of microbiology & biotechnology*, 42(3).

Yin X, et al. (2026) Stepwise phage resistance and collateral phage susceptibility in *Klebsiella pneumoniae*. *Emerging microbes & infections*, 15(1), 2648890.

Li N, et al. (2026) Case Report: Compound heterozygous mutation comprising p.Pro31Leu and exons 1-3 ins/del variants in *CYP21A2* causes non-classical congenital adrenal hyperplasia in a Chinese girl. *Frontiers in pediatrics*, 14, 1778805.

Nguyen TQ, et al. (2026) Pharmacological targeting of the mycothiol cysteine ligase MshC in *Mycobacterium abscessus*. *The Journal of biological chemistry*, 302(6), 111433.

Wang WY, et al. (2026) Case Report: First report of a novel homozygous nonsense mutation in the *CYBA* gene causing chronic granulomatous disease. *Frontiers in immunology*, 17, 1744743.

Koparir A, et al. (2026) Clinical and genetic heterogeneity of syndromic hearing loss and its non-syndromic hearing loss mimics. *Molecular medicine (Cambridge, Mass.)*, 32(1).

Kanli A, et al. (2026) Dysregulation of ERAD and Stress Response Proteins by V493F FTO Over-expression: A Proteomic Perspective. *In vivo (Athens, Greece)*, 40(1), 249.

Araiza-Hernández DM, et al. (2026) Molecular Characterization of Helicase and Nuclease Domains in PPV5 NS1 from Mexican Full-Length Sequence. *Viruses*, 18(6).

Xiong J, et al. (2026) OBP-Mediated Molecular Mechanism Underlying the Olfactory Repellent Effect of *Mosla chinensis* Essential Oil Against *Culex quinquefasciatus*. *Genes*, 17(6).