

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: 20260905T133009+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 [RRID](#).

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.

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.

Aguirre-Guillen RL, et al. (2026) Congenital disorder of deglycosylation 2. Report of a novel MAN2C1 pathogenic variant and additional phenotypic implications. *Molecular genetics and metabolism reports*, 46, 101289.

Li H, et al. (2026) Crustacean Mab21 proteins drive tissue-specific antiviral immunity by activating IKK? outside the canonical nucleic-acid sensing paradigm. *PLoS pathogens*, 22(2), e1013986.

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.

Rehman OU, et al. (2026) Molecular characterization of superoxide dismutase (SOD) genes for optimizing nitrogen-use efficiency and enhancing crop resilience against drought stress in rice. *BMC plant biology*, 26(1).

Yang C, et al. (2026) Identification of a novel PLS1 heterozygous variant causing autosomal dominant non-syndromic hearing loss. *Experimental and therapeutic medicine*, 31(4), 110.

Yu L, et al. (2026) Identification of a novel CLCN2 homozygous variant in a man with leukoencephalopathy and infertility: a case report and literature review. *Frontiers in genetics*, 17, 1761205.

Li L, et al. (2026) Genome-Wide Analysis of YABBY Gene Family Reveals ZmYABBY8 as a Central Regulator Involved in Drought and Heat Stress Tolerance in Maize. *Plants (Basel, Switzerland)*, 15(5).

- Zhang J, et al. (2026) Thermotolerant D-Hydantoinases for Efficient and Stereoselective Intermediate Synthesis of (R)-3-Isobutylglutaric Acid Monoamide, a Key Intermediate in Pregabalin Production. *Microbial biotechnology*, 19(3), e70322.
- Wang P, et al. (2026) DNA Polymerase Gamma Acetylation Governs Mitochondrial Homeostasis and Vascular Cell Senescence. *International journal of biological sciences*, 22(5), 2435.
- Santos DDS, et al. (2026) Diversity and evolutionary dynamics of universal stress proteins in the *Liquorilactobacillus* genus. *World journal of microbiology & biotechnology*, 42(3).
- Wu X, et al. (2026) Mechanism of tobacco hairy root development and functional study of the HSF gene family based on comparative transcriptomics. *BMC plant biology*, 26(1).
- Mahanta DK, et al. (2026) In Silico Screening of Plant-Derived Termiticidal Compounds Targeting Cytochrome P450 in *Coptotermes* spp. (Blattodea: Rhinotermitidae) for Sustainable Termite Management. *Plants (Basel, Switzerland)*, 15(4).
- Luan X, et al. (2026) Identification and Expression Analysis of MADS-Box Gene Family in *Pinus koraiensis* and Overexpression of PkMADS9 Promoting Early Flowering in Transgenic *Arabidopsis*. *Plants (Basel, Switzerland)*, 15(4).
- Yang T, et al. (2026) Cell-Based Immunization Combined with Single-Round Cell Panning Enables Discovery of PSMA-Targeting Nanobodies from Phage Display Libraries. *Biomolecules*, 16(2).
- Jiao P, et al. (2026) A single mutation in nonstructural protein 1 is critical for the adaptive evolution of influenza B virus. *Nature communications*, 17(1).
- Li Z, et al. (2026) Parkin-mediated ubiquitination of hif- α modulates hypoxia signaling in *Megalobrama amblycephala*. *BMC genomics*, 27(1).
- Vatandoost N, et al. (2026) Severe COVID-19 Unveils Atypical Familial Hemophagocytic Lymphohistiocytosis due to a Novel Homozygous PRF1 Variant. *Case reports in immunology*, 2026, 3879317.