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/

Proper Citation: SWISS-MODEL (RRID:SCR_018123)

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, service resource, software resource, web service, data or information resource

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

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 1965 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Zuo X, et al. (2024) TNFRSF19 within the 13q12.12 Risk Locus Functions as a Lung Cancer Suppressor by Binding Wnt3a to Inhibit Wnt/?-Catenin Signaling. Molecular cancer research: MCR, 22(3), 227.

Englisch AS, et al. (2024) Ankrd26 is a retinoic acid-responsive plasma membrane-binding and -shaping protein critical for proper cell differentiation. Cell reports, 43(3), 113939.

Mahana Y, et al. (2024) Structural evidence for protein-protein interaction between the non-canonical methyl-CpG-binding domain of SETDB proteins and C11orf46. Structure (London, England: 1993), 32(3), 304.

Baron N, et al. (2024) LeishIF4E2 is a cap-binding protein that plays a role in Leishmania cell cycle progression. FASEB journal: official publication of the Federation of American Societies for Experimental Biology, 38(1), e23367.

Rao S, et al. (2024) Three-step docking by WIPI2, ATG16L1, and ATG3 delivers LC3 to the phagophore. Science advances, 10(6), eadj8027.

Bayat Z, et al. (2024) Mechanisms Involved in Therapeutic Effects of Scutellaria baicalensis Georgi in Oral Squamous Cell Carcinoma Based on Systems Biology and Structural Bioinformatics Approaches. BioMed research international, 2024, 1236910.

Wang X, et al. (2024) Genotype F of Echovirus 25 with multiple recombination pattern have been persistently and extensively circulating in Chinese mainland. Scientific reports, 14(1), 3212.

Tan C, et al. (2024) 3,4-Dichlorophenylacetic acid acts as an auxin analog and induces beneficial effects in various crops. Communications biology, 7(1), 161.

Woellner-Santos D, et al. (2024) Schistosoma mansoni vaccine candidates identified by unbiased phage display screening in self-cured rhesus macaques. NPJ vaccines, 9(1), 5.

Han S, et al. (2024) Genome-Wide Identification of DUF668 Gene Family and Expression

Analysis under F. solani, Chilling, and Waterlogging Stresses in Zingiber officinale. International journal of molecular sciences, 25(2).

Li M, et al. (2024) Comprehensive Identification of the ?-Amylase (BAM) Gene Family in Response to Cold Stress in White Clover. Plants (Basel, Switzerland), 13(2).

Qiu C, et al. (2024) Positive selection and functional diversification of transcription factor Cmr1 homologs in Alternaria. Applied microbiology and biotechnology, 108(1), 133.

Liang W, et al. (2024) Full T-cell activation and function in teleosts require collaboration of first and co-stimulatory signals. Zoological research, 45(1), 13.

Xia Y, et al. (2024) Clustered surface amino acid residues modulate the acid stability of GH10 xylanase in fungi. Applied microbiology and biotechnology, 108(1), 216.

Kalidasan V, et al. (2024) Investigating D-Amino Acid Oxidase Expression and Interaction Network Analyses in Pathways Associated With Cellular Stress: Implications in the Biology of Aging. Bioinformatics and biology insights, 18, 11779322241234772.

Meng J, et al. (2024) The efficacy of sorafenib against hepatocellular carcinoma is enhanced by 5-aza-mediated inhibition of ID1 promoter methylation. FEBS open bio, 14(1), 127.

Lu J, et al. (2024) Genome-wide identification, expression and function analysis of the MTP gene family in tulip (Tulipa gesneriana). Frontiers in plant science, 15, 1346255.

Özbilen A, et al. (2024) Identification and expression of strigolactone biosynthesis and signaling genes and the in vitro effects of strigolactones in olive (Olea?europaea L.). Plant direct, 8(2), e568.

Jiang T, et al. (2024) Purification and Properties of a Plasmin-like Marine Protease from Clamworm (Perinereis aibuhitensis). Marine drugs, 22(2).

Waheed S, et al. (2024) Identification and In-Silico study of non-synonymous functional SNPs in the human SCN9A gene. PloS one, 19(2), e0297367.