

Resource Summary Report

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Dali Server

RRID:SCR_013433

Type: Tool

Proper Citation

Dali Server (RRID:SCR_013433)

Resource Information

URL: http://ekhidna.biocenter.helsinki.fi/dali_server

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Description: Network service for comparing protein structures in 3D. You submit the coordinates of a query protein structure and Dali compares them against those in the Protein Data Bank (PDB). You receive an email notification when the search has finished. In favourable cases, comparing 3D structures may reveal biologically interesting similarities that are not detectable by comparing sequences. Requests can also be submitted by e-mail to dali-server at helsinki dot fi. The body of the e-mail message must contain atomic coordinates in PDB format. If you want to know the structural neighbours of a protein already in the Protein Data Bank (PDB), you can find them in the Dali Database. If you want to superimpose two particular structures, you can do it in the pairwise DaliLite server. Academic users may download the DaliLite program for local use.

Synonyms: Dali

Resource Type: service resource, data analysis service, analysis service resource, software resource, production service resource

Defining Citation: [PMID:20457744](#)

Keywords: Protein structure comparison server, protein structure, comparison server, bio.tools, FASEB list

Availability: Free, Freely available

Resource Name: Dali Server

Resource ID: SCR_013433

Alternate IDs: biotools:dali

Alternate URLs: <https://bio.tools/dali>

Record Creation Time: 20220129T080316+0000

Record Last Update: 20260728T043424+0000

Ratings and Alerts

No rating or validation information has been found for Dali Server.

No alerts have been found for Dali Server.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 509 mentions in open access literature.

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

Zhao Q, et al. (2025) The unique architecture of umbrella toxins permits a two-tiered molecular bet-hedging strategy for interbacterial antagonism. *Cell*.

Song Z, et al. (2025) Molecular and Proteomic Analyses of Effects of Cadmium Exposure on the Silk Glands of *Trichonephila clavata*. *International journal of molecular sciences*, 26(2).

Galeva AV, et al. (2025) Tat-fimbriae ("tafi"): An unusual type of haloarchaeal surface structure depending on the twin-arginine translocation pathway. *iScience*, 28(2), 111793.

Maienza CSD, et al. (2025) Cross-species comparison of AlphaFold-derived G protein-coupled receptor structures reveals novel melatonin-related receptor in *Neurospora crassa*. *PloS one*, 20(1), e0318362.

Kim JS, et al. (2025) Structural basis of collagen glucosyltransferase function and its serendipitous role in kojibiose synthesis. *Research square*.

Mutz P, et al. (2025) The protein structurome of Orthornavirae and its dark matter. *mBio*, 16(2), e0320024.

Ma X, et al. (2025) Conserved Cysteines of a Putative Zinc Finger Motif in P48 Are Important for the Nuclear Egress of Nucleocapsids and the Envelopment of Occlusion-Derived Virions. *Viruses*, 17(3).

Chen X, et al. (2025) Isolation, complete characterization and phylogeography of the first bacteriophage against *Vibrio neocaledonicus*, which encodes a pyruvate phosphate dikinase and represents a novel viral family. *Microbial genomics*, 11(4).

Doumani Dupuy PN, et al. (2025) Rocks and clay: Potters' technological choices within the cultural dynamics of Bronze Age Kazakhstan. *PloS one*, 20(4), e0320140.

Asadi S, et al. (2025) Exploring effector candidates in *Rhynchosporium commune*: insights into their expression dynamics during barley infection. *Scientific reports*, 15(1), 17667.

Martínez-Rodríguez S, et al. (2025) Revisiting D-Acylases for D-Amino Acid Production. *Microbial biotechnology*, 18(6), e70179.

Tsakiri D, et al. (2025) Subcellular targets and recognition mechanism of *Ralstonia solanacearum* effector RipE1. *iScience*, 28(5), 112307.

Humolli D, et al. (2025) Completing the BASEL phage collection to unlock hidden diversity for systematic exploration of phage-host interactions. *PLoS biology*, 23(4), e3003063.

Flajnik MF, et al. (2025) Origin of immunoglobulins and T cell receptors: A candidate gene for invasion by the RAG transposon. *Science advances*, 11(27), eadw1273.

Zhao HF, et al. (2025) Structure-function insights into the dual role of African swine fever virus pB318L: A typical geranylgeranyl-diphosphate synthase and a nuclear import protein. *Virologica Sinica*, 40(2), 236.

Inoue H, et al. (2025) Rapid screening and identification of genes involved in bacterial extracellular membrane vesicle production using a curvature-sensing peptide. *Journal of bacteriology*, 207(5), e0049724.

Farthing WM, et al. (2025) The role of *Pantoea stewartii* subsp. *stewartii* leucine-responsive regulatory protein (Lrp) during maize xylem growth. *Applied and environmental microbiology*, 91(7), e0085325.

Odai R, et al. (2025) The Viral AlphaFold Database of monomers and homodimers reveals conserved protein folds in viruses of bacteria, archaea, and eukaryotes. *Science advances*, 11(40), eadz8560.

Gutierrez F, et al. (2025) Identification and characterization of a novel β -galactosidase active at low temperatures from the Antarctic fungus *Tetracladium* sp., expressed in *Saccharomyces cerevisiae*. *Microbial cell factories*, 24(1), 223.

Andreu S, et al. (2025) Discovery of a Baloxavir-Inspired Endonuclease Inhibitor That Prevents Herpes Simplex Virus 1 Replication in Cell Culture and In Vivo. *Advanced science* (Weinheim, Baden-Wurttemberg, Germany), 12(42), e08006.