

Resource Summary Report

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Secondary Structure Matching

RRID:SCR_008365

Type: Tool

Proper Citation

Secondary Structure Matching (RRID:SCR_008365)

Resource Information

URL: <http://www.ebi.ac.uk/msd-srv/ssm/>

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Description: Secondary Structure Matching (SSM) is an interactive service for comparing protein structures in 3D. SSM compares to other protein matching services, see results [here](#). It is used as a structure search engine in PISA service (Protein Interfaces, Surfaces and Assemblies). It queries may be launched from any web site, see instructions [here](#) and it is based on the CCP4 Coordinate Library, found [here](#). The service provides for: - pairwise comparison and 3D alignment of protein structures -multiple comparison and 3D alignment of protein structures -examination of a protein structure for similarity with the whole PDB or SCOP archives -best Ca-alignment of compared structures -download and visualization of best-superposed structures using Rasmol (Unix/Linux platforms), Rastop (MS Windows machines) and Jmol (platform-independent server-side java viewer) -linking the results to other services - PDBe Motif, OCA, SCOP, GeneCensus, FSSP, 3Dee, CATH, PDBSum, SWISS-PROT and ProtoMap. Sponsors: The project is funded by the Collaborative Computational Project Number 4 in Protein Crystallography of the Biotechnology and Biological Sciences Research Council

Synonyms: SSM

Resource Type: data or information resource, database

Keywords: alignment 3d, compare, interactive, interface, matching, multiple, pairwise, protein, secondary, structure, visualization

Resource Name: Secondary Structure Matching

Resource ID: SCR_008365

Alternate IDs: nif-0000-25563

Record Creation Time: 20220129T080247+0000

Record Last Update: 20261017T203327+0000

Ratings and Alerts

No rating or validation information has been found for Secondary Structure Matching.

No alerts have been found for Secondary Structure Matching.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.