

Resource Summary Report

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JAIL- Just Another Interface Library

RRID:SCR_013366

Type: Tool

Proper Citation

JAIL- Just Another Interface Library (RRID:SCR_013366)

Resource Information

URL: <http://bioinformatics.charite.de/jail>

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Description: JAIL is a database that classifies the interfaces between domain architectures and those between protein chains and between proteins and nucleic acids. Interacting proteins are difficult to crystallize and rarely present within the Protein Data Base. Nevertheless, it is essential to analyze the interacting parts of the proteins to understand the process of protein-protein docking. To overcome this problem we have built up the JAIL database. Since interacting domains exhibit similar structural features than proteins, all known interfaces between interacting domains of the SCOP database were extracted and classified in JAIL. Only a part of all protein structures are included in SCOP. Particularly, new PDB entries are not yet annotated. To overcome this problem additionally all interfaces between protein chains were calculated and included in the database. This type of interface also comprises the interacting parts of the assumed biological units. The last important type of interfaces provided here is composed of the interacting parts between proteins and nucleic acids. Overall the data set consists of about 180,000 interfaces. JAIL is a comfortable tool to browse through the interface library and to analyze single interfaces. However, more general questions require large-scale analysis. For this purpose, a detailed form enables the compiling of comprehensive non redundant data sets for download.

Synonyms: JAIL

Resource Type: database, data or information resource

Resource Name: JAIL- Just Another Interface Library

Resource ID: SCR_013366

Alternate IDs: nif-0000-03060

Record Creation Time: 20220129T080315+0000

Record Last Update: 20260808T190432+0000

Ratings and Alerts

No rating or validation information has been found for JAIL- Just Another Interface Library.

No alerts have been found for JAIL- Just Another Interface Library.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.