

Resource Summary Report

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FSSP - Families of Structurally Similar Proteins

RRID:SCR_003534

Type: Tool

Proper Citation

FSSP - Families of Structurally Similar Proteins (RRID:SCR_003534)

Resource Information

URL: <http://srs.ebi.ac.uk/srsbin/cgi-bin/wgetz?-page+LibInfo+-lib+FSSP>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented May 10, 2017. A pilot effort that has developed a centralized, web-based biospecimen locator that presents biospecimens collected and stored at participating Arizona hospitals and biospecimen banks, which are available for acquisition and use by researchers. Researchers may use this site to browse, search and request biospecimens to use in qualified studies. The development of the ABL was guided by the Arizona Biospecimen Consortium (ABC), a consortium of hospitals and medical centers in the Phoenix area, and is now being piloted by this Consortium under the direction of ABRC. You may browse by type (cells, fluid, molecular, tissue) or disease. Common data elements decided by the ABC Standards Committee, based on data elements on the National Cancer Institute's (NCI's) Common Biorepository Model (CBM), are displayed. These describe the minimum set of data elements that the NCI determined were most important for a researcher to see about a biospecimen. The ABL currently does not display information on whether or not clinical data is available to accompany the biospecimens. However, a requester has the ability to solicit clinical data in the request. Once a request is approved, the biospecimen provider will contact the requester to discuss the request (and the requester's questions) before finalizing the invoice and shipment. The ABL is available to the public to browse. In order to request biospecimens from the ABL, the researcher will be required to submit the requested required information. Upon submission of the information, shipment of the requested biospecimen(s) will be dependent on the scientific and institutional review approval. Account required. Registration is open to everyone., documented September 6, 2016. FSSP (families of structurally similar proteins) is a database of structural alignments of proteins in the Protein Data Bank. The database currently contains an extended structural family for each of 330 representative protein chains. Each data set contains structural alignments of one search structure with all other structurally significantly similar proteins in the representative set (remote homologs, below 30%% sequence identity), as well as all structures in the Protein Data Bank with 70-30%% sequence identity relative to the search structure (medium homologs). Very close homologs (above 70 % sequence

identity) are excluded as they rarely have marked structural differences. The alignments of remote homologs are the result of pairwise all-against-all structural comparisons in the set of 330 representative protein chains. All such comparisons are based purely on the 3D coordinates of the proteins and are derived by automatic (objective) structure comparison programs. The significance of structural similarity is estimated based on statistical criteria. The FSSP database is available electronically and by anonymous ftp (file transfer protocol).

Abbreviations: FSSP

Synonyms: families of structurally similar proteins

Resource Type: data or information resource, data set

Defining Citation: [PMID:1304898](#)

Keywords: computer algorithm, modular protein design, protein folding, protein structure alignment, protein structure, gold standard

Funding: Commission of the European Communities and Human Frontiers Science Program ;
EMBO

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: FSSP - Families of Structurally Similar Proteins

Resource ID: SCR_003534

Alternate IDs: nlx_10193

Old URLs: <http://www.sander.ebi.ac.uk/dali/fssp/>

Record Creation Time: 20220129T080219+0000

Record Last Update: 20260821T193703+0000

Ratings and Alerts

No rating or validation information has been found for FSSP - Families of Structurally Similar Proteins.

No alerts have been found for FSSP - Families of Structurally Similar Proteins.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.