Resource Summary Report

Generated by RRID on Apr 10, 2025

PALI- Phylogeny and Alignment of homologous protein str

RRID:SCR_007845
Type: Tool

Proper Citation

PALI- Phylogeny and Alignment of homologous protein str (RRID:SCR_007845)

Resource Information

URL: http://pali.mbu.iisc.ernet.in

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Description: It provides structure based sequence alignments for homologous proteins of known 3-D structure. The alignments available include those of pairwise (two proteins at a time) and multiple (simultaneous superposition of all the structures in a family). The database also provides dendrograms depicting phylogentic relationships based on sequence and structural similarities. The present version of the database consists of 1922 protein families containing over 13,500 protein domains, more than 2,00,000 structural alignments and over 1400 orphansorphans (single member families). PALI (version 2.7) has been derived largely from SCOP 1.73 database. The pairwise superpositions were performed using DALI by Holm and Sander while superposition of multiple structures has been performed using MUSTANG ver.3 by Konagurthu et.al. and the structural similarities are assessed using the metrices defined by Johnson and Levitt & Gerstein.

Abbreviations: PALI

Synonyms: Phylogeny and Alignment

Resource Type: data or information resource, database

Funding:

Resource Name: PALI- Phylogeny and Alignment of homologous protein str

Resource ID: SCR_007845

Alternate IDs: nif-0000-03240

Alternate URLs: http://pauling.mbu.iisc.ernet.in/~pali

Record Creation Time: 20220129T080244+0000

Record Last Update: 20250410T065631+0000

Ratings and Alerts

No rating or validation information has been found for PALI- Phylogeny and Alignment of homologous protein str.

No alerts have been found for PALI- Phylogeny and Alignment of homologous protein str.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We have not found any literature mentions for this resource.