

Resource Summary Report

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ArchSchema

RRID:SCR_004947

Type: Tool

Proper Citation

ArchSchema (RRID:SCR_004947)

Resource Information

URL: <http://www.ebi.ac.uk/thornton-srv/databases/archschema/>

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Description: ArchSchema is a java webstart application that generates dynamic plots of related Pfam domain architectures. The protein sequences having each architecture can be displayed on the plot and separately listed. Where there is 3D structural information in the PDB, the relevant PDB codes can be shown on the plot. Sequences can be filtered by organism, or the output can be limited to just those protein sequences for which there is structural information in the PDB. Search by UniProt sequence id, or by Pfam domain id. Red underlines indicate the extent to which 3D structures of the domains and architectures are available in the PDB. Left-clicking on a node shows a panel containing information about the constituent domains, the protein sequences having the given architecture, and any sequences that have whole or partial structures in the PDB. You can display protein sequence (or, alternatively, the protein structures) associated with each architecture. You can download ArchSchema to run locally from your own machine. Note, however, you only download the code and not the data. Thus you will need to be connected to the Internet whenever you perform a search from within ArchSchema. The search initiates a call to the EBI which returns the data to ArchSchema for graphing.

Abbreviations: ArchSchema

Synonyms: ArchSchema - graphs of related Pfam domain architectures

Resource Type: service resource, data analysis service, analysis service resource, software resource, source code, software application, production service resource

Defining Citation: [PMID:20299327](#)

Keywords: gold standard

Resource Name: ArchSchema

Resource ID: SCR_004947

Alternate IDs: nlx_91580

Record Creation Time: 20220129T080227+0000

Record Last Update: 20260728T043210+0000

Ratings and Alerts

No rating or validation information has been found for ArchSchema.

No alerts have been found for ArchSchema.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Giuliani S, et al. (2018) Computationally-guided drug repurposing enables the discovery of kinase targets and inhibitors as new schistosomicidal agents. PLoS computational biology, 14(10), e1006515.