

Resource Summary Report

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DnaProt

RRID:SCR_006230

Type: Tool

Proper Citation

DnaProt (RRID:SCR_006230)

Resource Information

URL: <http://kronos.biol.uoa.gr/~mariak/dbDNA.html>

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Description: THIS RESOURCE IS NO LONGER IN SERVICE, documented on July 16, 2013. An annotated and searchable collection of protein sequences for the families of DNA-binding proteins. DnaProt maximizes family information retrieval and helps reveal the relationships within the various functional binding classes. This classification system, implemented in an web-based management resource, is available for online DNA-binding pattern search and specific DNA-binding record retrieval. The database contains 3238 full-length sequences (retrieved from the SWISS-PROT database, release 38) that include, at least, a DNA-binding domain. Sequence entries are organized into families defined by PROSITE patterns, PRINTS motifs and de novo excised signatures. Combining global similarities and functional motifs into a single classification scheme, DNA-binding proteins are classified into 33 unique classes, which helps to reveal comprehensive family relationships. To maximize family information retrieval, DnaProt contains a collection of multiple alignments for each DNA-binding family while the recognized motifs can be used as diagnostically functional fingerprints. All available structural class representatives have been referenced. The resource was developed as a Web-based management system for online free access of customized data sets. Entries are fully hyperlinked to facilitate easy retrieval of the original records from the source databases while functional and phylogenetic annotation will be applied to newly sequenced genomes.

Abbreviations: DnaProt

Synonyms: Database of DNA-binding Proteins

Resource Type: data or information resource, database, data analysis service, production service resource, service resource, analysis service resource

Defining Citation: [PMID:11522919](#)

Keywords: dna-binding protein, dna, protein, classification, protein sequence, annotation, alignment, pattern identification, protein family classification

Funding: Greek General Secretariat of Research and Technology

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: DnaProt

Resource ID: SCR_006230

Alternate IDs: nlx_151786

Record Creation Time: 20220129T080235+0000

Record Last Update: 20260806T054427+0000

Ratings and Alerts

No rating or validation information has been found for DnaProt.

No alerts have been found for DnaProt.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.