# **Resource Summary Report**

Generated by dkNET on Apr 30, 2025

# **DnaProt**

RRID:SCR\_006230

Type: Tool

## **Proper Citation**

DnaProt (RRID:SCR\_006230)

#### **Resource Information**

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

Proper Citation: DnaProt (RRID:SCR\_006230)

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 DNAbinding 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 fulllength 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 analysis service, service resource, database, analysis service

resource, data or information resource, production 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: 20250430T055426+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.