# **Resource Summary Report**

Generated by RRID on May 25, 2025

# DIG IT - Database of Immunoglobulins and Integrated Tools

RRID:SCR\_005924

Type: Tool

# **Proper Citation**

DIG IT - Database of Immunoglobulins and Integrated Tools (RRID:SCR\_005924)

#### Resource Information

**URL:** http://www.biocomputing.it/digit/index.php

Proper Citation: DIG IT - Database of Immunoglobulins and Integrated Tools

(RRID:SCR\_005924)

**Description:** The Database of Immunoglobulins and Integrated Tools (DIG IT) is an integrated resource storing sequences of annotated immunoglobulin variable domains of NCBI database and enriched with tools for searching and analyzing them. It contains 145759 heavy chain sequences and 71404 light chain sequences (47168 kappa type and 24236 lambda type) with assigned canonical structures for the hypervariable loops and the data on the type of antigen as well as the pairing information of immunoglobulin heavy and light chains (9672 total pairs). The user can input the immunoglobulin variable domain sequence (amino acid or nucleotide) of interest (heavy chain variable domain sequence; light chain variable domain sequence or both) to retrieve the closest sequences (sorted according to evalue) with complete annotation. The user can also directly query the database by antigen type, canonical structure, germline family in accordance to the requirements.

Abbreviations: DIG IT, DIGIT

**Synonyms:** Database of Immunoglobulins and Integrated Tools, DIG IT! Database of Immunoglobulins and Integrated Tools, DIG IT! Database of Immunoglobulins with Integrated Tools, Database of Immunoglobulins Integrated Tools, DIG IT! Integrated Ig Database, DIG IT - Database of Immunoglobulins Integrated Tools

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

**Defining Citation: PMID:22080506** 

**Keywords:** sequence, immunoglobulin, variable domain, domain, heavy chain sequence, light chain sequence, antigen type, canonical structure, germline family, blast

Funding: IIT SEED;

King Abdullah University of Science and Technology KUK-I1-012-43;

Ministry of Health Contract Onc Ord 25/07

**Availability:** The results obtained from the server shall be used for scientific purposes only, Excluding industrial or commercial purposes. Proper acknowledgement shall be made to the author of the server in publications resulting from the use of it. The results of the server shall not be made available to users outside the recipient" Is laboratory, Unless written consent is obtained.

Resource Name: DIG IT - Database of Immunoglobulins and Integrated Tools

Resource ID: SCR\_005924

Alternate IDs: nlx 149625

Alternate URLs: http://www.biocomputing.it/

Old URLs: http://www.biocomputing.it/digit4/

**Record Creation Time:** 20220129T080233+0000

**Record Last Update:** 20250525T030921+0000

# **Ratings and Alerts**

No rating or validation information has been found for DIG IT - Database of Immunoglobulins and Integrated Tools.

No alerts have been found for DIG IT - Database of Immunoglobulins and Integrated Tools.

### **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 RRID.

Galperin MY, et al. (2012) The 2012 Nucleic Acids Research Database Issue and the online

Molecular Biology Database Collection. Nucleic acids research, 40(Database issue), D1.