Resource Summary Report

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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 e-value) 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: data analysis service, data or information resource, database, service resource, production service resource, analysis 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

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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""s 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: 20260801T042619+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 PRECISE-TBI .

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.