Resource Summary Report

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Bioinformatics Links Directory

RRID:SCR_008018
Type: Tool

Proper Citation

Bioinformatics Links Directory (RRID:SCR_008018)

Resource Information

URL: http://bioinformatics.ca/links_directory/

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Description: Database of curated links to molecular resources, tools and databases selected on the basis of recommendations from bioinformatics experts in the field. This resource relies on input from its community of bioinformatics users for suggestions. Starting in 2003, it has also started listing all links contained in the NAR Webserver issue. The different types of information available in this portal: * Computer Related: This category contains links to resources relating to programming languages often used in bioinformatics. Other tools of the trade, such as web development and database resources, are also included here. * Sequence Comparison: Tools and resources for the comparison of sequences including sequence similarity searching, alignment tools, and general comparative genomics resources. * DNA: This category contains links to useful resources for DNA sequence analyses such as tools for comparative sequence analysis and sequence assembly. Links to programs for sequence manipulation, primer design, and sequence retrieval and submission are also listed here. * Education: Links to information about the techniques, materials, people, places, and events of the greater bioinformatics community. Included are current news headlines, literature sources, educational material and links to bioinformatics courses and workshops. * Expression: Links to tools for predicting the expression, alternative splicing, and regulation of a gene sequence are found here. This section also contains links to databases, methods, and analysis tools for protein expression, SAGE, EST, and microarray data. * Human Genome: This section contains links to draft annotations of the human genome in addition to resources for sequence polymorphisms and genomics. Also included are links related to ethical discussions surrounding the study of the human genome. * Literature: Links to resources related to published literature, including tools to search for articles and through literature abstracts. Additional text mining resources, open access resources, and literature goldmines are also listed. * Model Organisms: Included in this category are links to resources for various model organisms ranging from mammals to microbes. These include databases and tools for genome scale analyses. * Other Molecules: Bioinformatics tools related to molecules other than DNA, RNA, and protein. This category will include

resources for the bioinformatics of small molecules as well as for other biopolymers including carbohydrates and metabolites. * Protein: This category contains links to useful resources for protein sequence and structure analyses. Resources for phylogenetic analyses, prediction of protein features, and analyses of interactions are also found here. * RNA: Resources include links to sequence retrieval programs, structure prediction and visualization tools, motif search programs, and information on various functional RNAs.

Abbreviations: Bioinformatics Links Directory

Synonyms: Canadian Bioinformatics.ca Links Directory, Bioinformatics.ca Links Directory

Resource Type: data or information resource, database

Defining Citation: PMID:20542914, PMID:19528072, PMID:18586831, PMID:17586821, PMID:16845014, PMID:15980476

Keywords: genomics, registry, aggregator, bioinformatics, techniques, human genome, model organism, education

Availability: Unless otherwise noted, Creative Commons Attribution-ShareAlike License, 2.5, The community can contribute to this resource

Resource Name: Bioinformatics Links Directory

Resource ID: SCR_008018

Alternate IDs: nif-0000-10170

Record Creation Time: 20220129T080245+0000

Record Last Update: 20260919T195714+0000

Ratings and Alerts

No rating or validation information has been found for Bioinformatics Links Directory.

No alerts have been found for Bioinformatics Links Directory.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 9 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

?sz Á, et al. (2019) A snapshot of 3649 Web-based services published between 1994 and 2017 shows a decrease in availability after 2 years. Briefings in bioinformatics, 20(3), 1004.

Gnimpieba EZ, et al. (2017) Bio-TDS: bioscience query tool discovery system. Nucleic acids research, 45(D1), D1117.

Duck G, et al. (2016) A Survey of Bioinformatics Database and Software Usage through Mining the Literature. PloS one, 11(6), e0157989.

Duck G, et al. (2015) Ambiguity and variability of database and software names in bioinformatics. Journal of biomedical semantics, 6, 29.

Leng X, et al. (2014) Genome-wide identification and analysis of FK506-binding protein family gene family in strawberry (Fragaria × ananassa). Gene, 534(2), 390.

Gaudet P, et al. (2011) Towards BioDBcore: a community-defined information specification for biological databases. Database : the journal of biological databases and curation, 2011, baq027.

Douguet D, et al. (2010) e-LEA3D: a computational-aided drug design web server. Nucleic acids research, 38(Web Server issue), W615.

Weale ME, et al. (2009) Genomics software: The view from 10,000 feet. Human genomics, 4(1), 56.

Maurer MH, et al. (2004) The path to enlightenment: making sense of genomic and proteomic information. Genomics, proteomics & bioinformatics, 2(2), 123.