

# Resource Summary Report

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## Toolbox at the European Bioinformatics Institute

RRID:SCR\_002872

Type: Tool

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### Proper Citation

Toolbox at the European Bioinformatics Institute (RRID:SCR\_002872)

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### Resource Information

**URL:** <http://www.ebi.ac.uk/Tools/>

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**Description:** The European Bioinformatics Institute (EBI) toolbox area provides a comprehensive range of tools for the field of bioinformatics. These are subdivided into categories in the left menu for convenience. EBI has developed a large number of very useful bioinformatics tools. A few examples include: - Similarity & Homology - the BLAST or FASTA programs can be used to look for sequence similarity and infer homology. - Protein Functional Analysis - InterProScan can be used to search for motifs in your protein sequence. - Proteomic Services NEW - UniProt DAS server allows researchers to show their research results in the context of UniProtKB/Swiss-Prot annotation. - Sequence Analysis - ClustalW2 a sequence alignment tool. - Structural Analysis - MSDfold can be used to query your protein structure and compare it to those in the Protein Data Bank (PDB). - Web Services - provide programmatic access to the various databases and retrieval/analysis services EBI provides. - Tools Miscellaneous - Expression Profiler a set of tools for clustering, analysis and visualization of gene expression and other genomic data. Sponsors: This resource is sponsored by EBI.

**Synonyms:** EBI Bioinformatics Tools

**Resource Type:** software resource, software toolkit

**Keywords:** expression, functional, gene, bioinformatics, database, genomic, homology, protein, proteomic, sequence, structural, toolbox

**Availability:** Free

**Resource Name:** Toolbox at the European Bioinformatics Institute

**Resource ID:** SCR\_002872

**Alternate IDs:** nif-0000-25553

**Record Creation Time:** 20220129T080215+0000

**Record Last Update:** 20260829T183050+0000

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## Ratings and Alerts

No rating or validation information has been found for Toolbox at the European Bioinformatics Institute.

No alerts have been found for Toolbox at the European Bioinformatics Institute.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 92 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [NIF](#) .

Sirangelo TM, et al. (2025) Nutrients and Bioactive Compounds from Cannabis sativa Seeds: A Review Focused on Omics-Based Investigations. International journal of molecular sciences, 26(11).

Ogundolie FA, et al. (2025) In silico and structural analysis of Bacillus licheniformis FAO.CP7 pullulanase isolated from cocoa (Theobroma cacao L.) pod waste. BMC microbiology, 25(1), 261.

Mandal S, et al. (2024) Fluoride and gallein regulate polyphosphate accumulation in dental caries-associated Lacticaseibacillus. Microbiology (Reading, England), 170(11).

Li Y, et al. (2023) Identification of two novel papillomaviruses in belugas. Frontiers in microbiology, 14, 1165839.

Li Y, et al. (2023) Diversity and independent evolutionary profiling of rodent-borne viruses in Hainan, a tropical island of China. Virologica Sinica, 38(5), 651.

Kong F, et al. (2022) Arabidopsis Toxicos en Levadura 12 Modulates Salt Stress and ABA Responses in Arabidopsis thaliana. International journal of molecular sciences, 23(13).

Zhang P, et al. (2022) Identification of a Novel Astrovirus in Pinnipeds. Frontiers in microbiology, 13, 845601.

Yousefipour F, et al. (2021) Identification of two novel homozygous nonsense mutations in TRAPPC9 in two unrelated consanguineous families with intellectual Disability from Iran. Molecular genetics & genomic medicine, 9(12), e1610.

Du J, et al. (2021) Phylogenetic Analysis of the Dengue Virus Strains Causing the 2019 Dengue Fever Outbreak in Hainan, China. Virologica Sinica, 36(4), 636.

- Wu Z, et al. (2021) Decoding the RNA viromes in rodent lungs provides new insight into the origin and evolutionary patterns of rodent-borne pathogens in Mainland Southeast Asia. *Microbiome*, 9(1), 18.
- Wang G, et al. (2021) Identification and genome analysis of a novel picornavirus from captive belugas (*Delphinapterus leucas*) in China. *Scientific reports*, 11(1), 21018.
- Vetrici MA, et al. (2021) Douglas-fir LEAFY COTYLEDON1 (PmLEC1) is an active transcription factor during zygotic and somatic embryogenesis. *Plant direct*, 5(7), e00333.
- Kong F, et al. (2021) Arabidopsis Tox12 (ATL12): A Gene Involved in Chitin-Induced, Hormone-Related and NADPH Oxidase-Mediated Defense Responses. *Journal of fungi (Basel, Switzerland)*, 7(10).
- Sun X, et al. (2021) Identification and Characterization of the Seed Storage Proteins and Related Genes of *Cannabis sativa* L. *Frontiers in nutrition*, 8, 678421.
- Pourrezaei S, et al. (2021) Molecular epidemiology and phylogenetic analysis of human T-lymphotropic virus type 1 in the tax gene and its association with adult t-cell leukemia/lymphoma disorders. *Iranian journal of microbiology*, 13(4), 509.
- Tian Y, et al. (2021) Cloning and expression analysis of GATA1 gene in *Carassius auratus* red var. *BMC genomic data*, 22(1), 12.
- Chansaenroj J, et al. (2020) High prevalence of DS-1-like rotavirus infection in Thai adults between 2016 and 2019. *PloS one*, 15(6), e0235280.
- Calderaro F, et al. (2020) Characterization of an AA9 LPMO from *Thielavia australiensis*, TausLPMO9B, under industrially relevant lignocellulose saccharification conditions. *Biotechnology for biofuels*, 13(1), 195.
- Du J, et al. (2019) Identification of a Novel Ichthyic Parvovirus in Marine Species in Hainan Island, China. *Frontiers in microbiology*, 10, 2815.
- Hirano Y, et al. (2019) Structural basis of phosphatidylcholine recognition by the C2-domain of cytosolic phospholipase A2 $\alpha$ . *eLife*, 8.