

Resource Summary Report

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Washington University Basic Local Alignment Search Tool

RRID:SCR_008285

Type: Tool

Proper Citation

Washington University Basic Local Alignment Search Tool (RRID:SCR_008285)

Resource Information

URL: <http://www.ebi.ac.uk/Tools/blast2/index.html>

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Description: It is used to compare a novel sequence with those contained in nucleotide and protein databases by aligning the novel sequence with previously characterized genes.

Synonyms: WU-BLAST2

Resource Type: data processing software, software application, software resource

Keywords: evolutionary, fragment, function, functional, gene, genetic code, algorithm, align, alignment, blast, local, novel, nucleotide, pair, protein, region, segment, sensitivity, sequence, similarity, structure, tool

Resource Name: Washington University Basic Local Alignment Search Tool

Resource ID: SCR_008285

Alternate IDs: nif-0000-23905

Record Creation Time: 20220129T080246+0000

Record Last Update: 20260912T200058+0000

Ratings and Alerts

No rating or validation information has been found for Washington University Basic Local Alignment Search Tool.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3632 mentions in open access literature.

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

Galizio NDC, et al. (2026) Venomics across the Bothrops neuwiedi Species Complex Revealed a P-III Snake Venom Metalloproteases/K49-PLA2 Dichotomy and a Remarkable Paraspecific Neutralization of the Brazilian Pentabothropic Antivenom. Journal of proteome research, 25(2), 1095.

Zhuang X, et al. (2025) Rice stripe virus NS3 uses the host signaling pathways to control pathogenicity. Developmental cell, 60(17), 2363.

Kim DH, et al. (2022) Analysis of HR-HPV Infection Concordance Rates in Cervical and Urine Specimens; Proposal of Additional Cervical Screening Process for Women Who Refuse Invasive Cervical Sampling. Journal of personalized medicine, 12(12).

Zhang M, et al. (2020) Comparison of Bacterial Microbiota in Raw Mare's Milk and Koumiss Using PacBio Single Molecule Real-Time Sequencing Technology. Frontiers in microbiology, 11, 581610.

Pénzes JJ, et al. (2019) An Ancient Lineage of Highly Divergent Parvoviruses Infects both Vertebrate and Invertebrate Hosts. Viruses, 11(6).

Obanda V, et al. (2019) Infection dynamics of gastrointestinal helminths in sympatric non-human primates, livestock and wild ruminants in Kenya. PloS one, 14(6), e0217929.

Qin D, et al. (2019) Histamine H4 receptor gene polymorphisms: a potential contributor to Meniere disease. BMC medical genomics, 12(1), 71.

Remesar S, et al. (2019) Prevalence and distribution of Babesia and Theileria species in roe deer from Spain. International journal for parasitology. Parasites and wildlife, 9, 195.

Yoshida GM, et al. (2019) Genome-Wide Association Study and Cost-Efficient Genomic Predictions for Growth and Fillet Yield in Nile Tilapia (Oreochromis niloticus). G3 (Bethesda, Md.), 9(8), 2597.

Besrour-Aouam N, et al. (2019) Different Modes of Regulation of the Expression of Dextranucrase in Leuconostoc lactis AV1n and Lactobacillus sakei MN1. Frontiers in microbiology, 10, 959.

Zhou L, et al. (2019) The LiaFSR and BsrXRS Systems Contribute to Bile Salt Resistance in Enterococcus faecium Isolates. Frontiers in microbiology, 10, 1048.

Pontiggia D, et al. (2019) Changes in the microsomal proteome of tomato fruit during ripening. *Scientific reports*, 9(1), 14350.

Wirten M, et al. (2019) New HIV-1 circulating recombinant form 94: from phylogenetic detection of a large transmission cluster to prevention in the age of geosocial-networking apps in France, 2013 to 2017. *Euro surveillance : bulletin Européen sur les maladies transmissibles = European communicable disease bulletin*, 24(39).

Carey S, et al. (2019) How to build a fruit: Transcriptomics of a novel fruit type in the Brassiceae. *PloS one*, 14(7), e0209535.

Nurfarahin AH, et al. (2019) Development of Palm Fatty Acid Distillate-Containing Medium for Biosurfactant Production by *Pseudomonas* sp. LM19. *Molecules (Basel, Switzerland)*, 24(14).

Li J, et al. (2019) Diversity and Dynamics of Yeasts During Vidal Blanc Icewine Fermentation: A Strategy of the Combination of Culture-Dependent and High-Throughput Sequencing Approaches. *Frontiers in microbiology*, 10, 1588.

Adeoyo OR, et al. (2019) Molecular identification and antibacterial properties of an ericoid associated mycorrhizal fungus. *BMC microbiology*, 19(1), 178.

Lopéz D, et al. (2019) α -Glucosidase inhibitors from a mangrove associated fungus, *Zasmidium* sp. strain EM5-10. *BMC chemistry*, 13(1), 22.

Eslami G, et al. (2019) Molecular Characterization of Aquaglyceroporine: A Novel Mutation in LmAQP1 from *Leishmania major* (MRHO/IR/75/ER). *Iranian journal of parasitology*, 14(3), 465.

Shirako S, et al. (2019) Pyroglutamyl leucine, a peptide in fermented foods, attenuates dysbiosis by increasing host antimicrobial peptide. *NPJ science of food*, 3, 18.