

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: 20260905T133043+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 [Kravitz](#) .

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.

Fu L, et al. (2019) Co-carrying of KPC-2, NDM-5, CTX-M-3 and CTX-M-65 in three plasmids with serotype O89: H10 Escherichia coli strain belonging to the ST2 clone in China. Microbial pathogenesis, 128, 1.

Ha TKQ, et al. (2019) 12,23-Dione dammarane triterpenes from Gynostemma longipes and their muscle cell proliferation activities via activation of the AMPK pathway. Scientific reports, 9(1), 1186.

Ross EP, et al. (2019) White spot syndrome virus and the Caribbean spiny lobster, Panulirus argus: Susceptibility and behavioral immunity. Journal of invertebrate pathology, 162, 1.

Lai YT, et al. (2019) Isolation and identification of aroma producing strain with esterification capacity from yellow water. PloS one, 14(2), e0211356.

Zeng RF, et al. (2019) Genome-Wide Identification and Characterization of SQUAMOSA-Promoter-Binding Protein (SBP) Genes Involved in the Flowering Development of Citrus Clementina. Biomolecules, 9(2).

Liu C, et al. (2019) Construction of a cDNA library and preliminary analysis of the expressed sequence tags of the earthworm Eisenia fetida (Savigny, 1826). Molecular medicine reports, 19(4), 2537.

Igarashi Y, et al. (2019) Fungal spore involvement in the resuspension of radiocaesium in summer. *Scientific reports*, 9(1), 1954.

Liu Z, et al. (2019) From Pig Breeding Environment to Subsequently Produced Pork: Comparative Analysis of Antibiotic Resistance Genes and Bacterial Community Composition. *Frontiers in microbiology*, 10, 43.

Wang Y, et al. (2019) Crude Oil Degrading Fingerprint and the Overexpression of Oxidase and Invasive Genes for n-hexadecane and Crude Oil Degradation in the *Acinetobacter pittii* H9-3 Strain. *International journal of environmental research and public health*, 16(2).

Song W, et al. (2019) Functional characterization of squalene epoxidase and NADPH-cytochrome P450 reductase in *Dioscorea zingiberensis*. *Biochemical and biophysical research communications*, 509(3), 822.

Syed A, et al. (2019) Miles to go (mtgo) encodes FNDC3 proteins that interact with the chaperonin subunit CCT3 and are required for NMJ branching and growth in *Drosophila*. *Developmental biology*, 445(1), 37.

Chaisi ME, et al. (2019) Occurrence and diversity of avian haemosporidia in Afrotropical landbirds. *International journal for parasitology. Parasites and wildlife*, 8, 36.

Yuan X, et al. (2019) Embryonic morphology observation and HOXC8 gene expression in crest cushions of Chinese Crested duck. *Gene*, 688, 98.

Rousselle M, et al. (2019) Influence of Recombination and GC-biased Gene Conversion on the Adaptive and Nonadaptive Substitution Rate in Mammals versus Birds. *Molecular biology and evolution*, 36(3), 458.

Liapis E, et al. (2019) Identification of Diverse Integron and Plasmid Structures Carrying a Novel Carbapenemase Among *Pseudomonas* Species. *Frontiers in microbiology*, 10, 404.

Lee JH, et al. (2019) Formation of Biogenic Amines in Pa (Green Onion) Kimchi and Gat (Mustard Leaf) Kimchi. *Foods (Basel, Switzerland)*, 8(3).