

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: software resource, data processing software, software application

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: 20260803T040525+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 3631 mentions in open access literature.

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

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.

Aleksandrak-Piekarczyk T, et al. (2019) Potential of *Lactobacillus plantarum* IBB3036 and *Lactobacillus salivarius* IBB3154 to persistence in chicken after in ovo delivery. *MicrobiologyOpen*, 8(1), e00620.

Ad??o R, et al. (2019) Revealing the interaction mode of the highly flexible *Sorghum bicolor* Hsp70/Hsp90 organizing protein (Hop): A conserved carboxylate clamp confers high affinity binding to Hsp90. *Journal of proteomics*, 191, 191.

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.

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.

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

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.

Bu QT, et al. (2019) Rational construction of genome-reduced and high-efficient industrial *Streptomyces* chassis based on multiple comparative genomic approaches. *Microbial cell factories*, 18(1), 16.

Li X, et al. (2019) Survey of the bacteriophage *phoH* gene in wetland sediments in northeast China. *Scientific reports*, 9(1), 911.

van der Wijk AE, et al. (2019) Expression patterns of endothelial permeability pathways in the development of the blood-retinal barrier in mice. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 33(4), 5320.

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

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.

Subramaniam M, et al. (2019) Sigmoidal kinetics define porcine intestinal segregation of electrogenic monosaccharide transport systems as having multiple transporter population involvement. *Physiological reports*, 7(9), e14090.

Pang Q, et al. (2019) The first case of primary hypertrophic osteoarthropathy with soft tissue giant tumors caused by HPGD loss-of-function mutation. *Endocrine connections*, 8(6), 736.

Urbarova I, et al. (2019) Ocean acidification at a coastal CO₂ vent induces expression of stress-related transcripts and transposable elements in the sea anemone *Anemonia viridis*. *PloS one*, 14(5), e0210358.

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.