

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, software application, data processing software

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: 20260804T043401+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 [PRECISE-TBI](#) .

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.

Adão 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.

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.

Tesso TA, et al. (2019) Isolation and characterization of two *Acinetobacter* species able to degrade 3-methylindole. *PloS one*, 14(1), e0211275.

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.

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.

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.

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.

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.

Acosta-Cortés AG, et al. (2019) Polyphosphate recovery by a native *Bacillus cereus* strain as a direct effect of glyphosate uptake. *The ISME journal*, 13(6), 1497.

Sieg M, et al. (2019) A New Genotype of Feline Morbillivirus Infects Primary Cells of the Lung, Kidney, Brain and Peripheral Blood. *Viruses*, 11(2).

Zhang X, et al. (2019) Molecular Identification and Phylogenetic Analysis of Nuclear rDNA Sequences of *Clonorchis sinensis* Isolates From Human Fecal Samples in Heilongjiang Province, China. *Frontiers in microbiology*, 10, 26.

Bhattacharya S, et al. (2019) U32 collagenase from *Pseudoalteromonas agarivorans* NW4327: Activity, structure, substrate interactions and molecular dynamics simulations. *International journal of biological macromolecules*, 124, 635.

Xie GL, et al. (2019) The first complete mitochondrial genome of a cyclophorid land snail, with implications for architaenioglossan relationships (Mollusca, Caenogastropoda, Cyclophoroidea). *International journal of biological macromolecules*, 133, 522.

Lehmann T, et al. (2019) Metaproteomics of fecal samples of Crohn's disease and Ulcerative Colitis. *Journal of proteomics*, 201, 93.