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

Funding:

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: 20250422T055445+0000

Ratings and Alerts

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

No alerts have been found for Washington University Basic Local Alignment Search Tool.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3630 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

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.

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.

Elshafie HS, et al. (2019) Antimicrobial Activity and Chemical Composition of Essential Oil Extracted from Solidago canadensis L. Growing Wild in Slovakia. Molecules (Basel, Switzerland), 24(7).

Bachand N, et al. (2019) Serological and molecular detection of Toxoplasma gondii in terrestrial and marine wildlife harvested for food in Nunavik, Canada. Parasites & vectors, 12(1), 155.

Webb JR, et al. (2019) Burkholderia pseudomallei Lipopolysaccharide Genotype Does Not Correlate With Severity or Outcome in Melioidosis: Host Risk Factors Remain the Critical Determinant. Open forum infectious diseases, 6(4), ofz091.

Olguín-López N, et al. (2019) Impact of El Niño-Southern Oscillation 2015-2016 on the soluble proteomic profile and cytolytic activity of Millepora alcicornis ("fire coral") from the Mexican Caribbean. PeerJ, 7, e6593.

Aleksandrzak-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.

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).

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).

Pepper SJ, et al. (2019) An Acid Up-Regulated Surface Protein of Lactobacillus paracasei Strain GCRL 46 is Phylogenetically Related to the Secreted Glucan- (GpbB) and Immunoglobulin-Binding (SibA) Protein of Pathogenic Streptococci. International journal of molecular sciences, 20(7).

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.

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

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.

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.

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.