

Resource Summary Report

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BLASTN

RRID:SCR_001598

Type: Tool

Proper Citation

BLASTN (RRID:SCR_001598)

Resource Information

URL:

http://blast.ncbi.nlm.nih.gov/Blast.cgi?PROGRAM=blastn&BLAST_PROGRAMS=megaBlast&PAGE=b

Proper Citation: BLASTN (RRID:SCR_001598)

Description: Web application to search nucleotide databases using a nucleotide query.
Algorithms: blastn, megablast, discontinuous megablast.

Abbreviations: BLASTn

Synonyms: NCBI BLASTN, Nucleotide Blast, Standard Nucleotide BLAST

Resource Type: data or information resource, production service resource, data analysis service, database, analysis service resource, service resource

Defining Citation: [PMID:17666756](#), [PMID:18567917](#)

Keywords: nucleotide, alignment, compare, sequence, genome, blast, transcript, dna sequence

Availability: Free, Freely available

Resource Name: BLASTN

Resource ID: SCR_001598

Alternate IDs: nlx_153932, OMICS_00990

Alternate URLs:

http://blast.ncbi.nlm.nih.gov/Blast.cgi?PROGRAM=blastn&PAGE_TYPE=BlastSearch&LINK_LOC=b

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260808T185729+0000

Ratings and Alerts

No rating or validation information has been found for BLASTN.

No alerts have been found for BLASTN.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 21160 mentions in open access literature.

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

Wu X, et al. (2026) Locus-Specific Human Endogenous Retrovirus ERVK18 Expression Indicates an Inflamed Microenvironment and Favorable Immunotherapy Outcome in Small Cell Lung Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(11), 2214.

Li SY, et al. (2026) TGF β 1 Activates Lnc-APUE to Promote Tumor Metastasis via the Alu Element-Driven STAU1-Mediated Decay of CDH1 mRNA. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(20), e18731.

Sinha A, et al. (2026) Prophage induction contributes to alterations in the gut phageome during intestinal inflammation. *Cell reports*, 45(7), 117491.

He T, et al. (2026) Thousands-years-old deep-sea DNA viruses reveal the evolution of human pathogenic viruses. *Journal of advanced research*, 79, 379.

Tanizawa Y, et al. (2026) MarpolBase: genome database for Marchantia polymorpha featuring high quality reference genome sequences. *Plant & cell physiology*, 67(3), 377.

Liu R, et al. (2026) iFish: a comprehensive multi-omics database for fish genetics, transcriptional regulation, and epigenetic research. *Nucleic acids research*, 54(D1), D1108.

Bedoya-Urrego K, et al. (2026) Next-Gen intestinal parasite detection: Leveraging metataxonomics for improved diagnosis of intestinal protists and helminths. *PloS one*, 21(1), e0330312.

León-Cadena A, et al. (2026) Updating the description of Rhizobium diversity associated with common bean cultivars in the Ecuadorian Andes: A phylogenetic and functional perspective. *PloS one*, 21(1), e0339774.

Fan M, et al. (2026) Phylogenetic diversification and fitness trade-offs of TetA variants in mediating eravacycline resistance in *Klebsiella pneumoniae*. *Antimicrobial agents and chemotherapy*, 70(2), e0067125.

- Biessy A, et al. (2026) Single-strain and consortium inoculations with plant-beneficial *Pseudomonas* spp. promote lettuce growth under field conditions. *Microbiology spectrum*, 14(2), e0350925.
- Perfilyev A, et al. (2026) Large-scale analysis of bacterial genomes reveals thousands of lytic phages. *Nature microbiology*, 11(1), 42.
- Akanbi TM, et al. (2026) Isolation and characterization of TayeBlu, a novel bacteriophage of *Azotobacter vinelandii*. *Microbiology spectrum*, 14(1), e0128625.
- Labastida-Estrada E, et al. (2026) Prevalence, etiology, and transmission of fibropapillomatosis in Olive Ridley turtles at a mass-nesting colony in the Mexican Pacific. *PloS one*, 21(1), e0339193.
- Papi? B, et al. (2026) A case study of critical points for the entry and spread of *Salmonella* *Infantis* in a broiler farm. *Irish veterinary journal*, 79(1), 11.
- Mungunkhuyag K, et al. (2026) Isolation and characterization of heavy metal tolerant microalgae from old mining areas of Saxony. *Scientific reports*, 16(1), 1337.
- Zhang S, et al. (2026) Assembly and comparative analysis of the complete mitochondrial genome of the *Maclura tricuspidata*. *BMC genomics*, 27(1), 129.
- Ma HY, et al. (2026) A pangenome insight into the genome divergence and flower color diversity among *Rhododendron* species. *BMC genomics*, 27(1), 101.
- Rangachar Srinivasa V, et al. (2026) Genomic epidemiology of healthcare-associated respiratory virus infections in Pittsburgh, Pennsylvania, 2018-2020. *Infection control and hospital epidemiology*, 47(1), 53.
- Tagirdzhanova G, et al. (2026) Chromosome-level genome assembly of the photobiont microalga *Trebouxia* sp. 'A48' from the lichen *Xanthoria parietina*. *The New phytologist*, 249(2), 1036.
- Zhang Y, et al. (2026) Pivotal plasmids drive the global spread of CTX-M-27 in *Escherichia coli*. *Infection*, 54(1), 315.