

Resource Summary Report

Generated by [kravitz2](#) on Jul 31, 2026

FASTA

RRID:SCR_011819

Type: Tool

Proper Citation

FASTA (RRID:SCR_011819)

Resource Information

URL: <http://www.ebi.ac.uk/Tools/sss/fasta/>

Proper Citation: FASTA (RRID:SCR_011819)

Description: Software package for DNA and protein sequence alignment to find regions of local or global similarity between Protein or DNA sequences, either by searching Protein or DNA databases, or by identifying local duplications within a sequence.

Abbreviations: FASTA

Synonyms: Federal Acquisition Streamlining Act

Resource Type: data processing software, sequence analysis software, data analysis software, software resource, software application

Keywords: sequence, alignment, DNA, protein, similarity, searching

Availability: Free, Freely available

Resource Name: FASTA

Resource ID: SCR_011819

Alternate IDs: OMICS_00994

License: Apache2.0

Record Creation Time: 20220129T080306+0000

Record Last Update: 20260731T042838+0000

Ratings and Alerts

No rating or validation information has been found for FASTA.

No alerts have been found for FASTA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 845 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Turner LA, et al. (2025) Differences in gene expression between high and low tolerance rainbow trout (*Oncorhynchus mykiss*) to acute thermal stress. *PloS one*, 20(1), e0312694.

Johnson SR, et al. (2025) Computational scoring and experimental evaluation of enzymes generated by neural networks. *Nature biotechnology*, 43(3), 396.

Han L, et al. (2025) Extracellular Vesicle Protein Panel Enables Early Lung Cancer Detection in a Large Clinical Cohort. *Journal of extracellular vesicles*, 14(8), e70129.

Bontempo A, et al. (2025) Yoda1, a Piezo1 agonist, induced latent HIV reactivation associated with upregulation of CD3/TCR complex and HLA genes. *Research square*.

Gewurz D, et al. (2025) Plasmid prevalence is independent of antibiotic resistance in environmental Enterobacteriaceae. *Microbial genomics*, 11(8).

Karimi I, et al. (2025) The anti-aging potential of antihypertensive peptides of *Pariset*, a dataset of algal peptides. *Frontiers in aging*, 6, 1618082.

Smith NJ, et al. (2025) Differentiation signals induce APOBEC3A expression via GRHL3 in squamous epithelia and squamous cell carcinoma. *The EMBO journal*, 44(1), 1.

Shao C, et al. (2025) Radiotherapy-resistant prostate cancer cells escape immune checkpoint blockade through the senescence-related ataxia telangiectasia and Rad3-related protein. *Cancer communications (London, England)*, 45(3), 218.

Zhang K, et al. (2025) FGF21 protects against HFpEF by improving cardiac mitochondrial bioenergetics in mice. *Nature communications*, 16(1), 1661.

Woo J, et al. (2025) Single-Cell Proteomic Characterization of Drug-Resistant Prostate Cancer Cells Reveals Molecular Signatures Associated with Morphological Changes. *Molecular & cellular proteomics : MCP*, 24(4), 100949.

Yu F, et al. (2025) MSFragger-DDA+ enhances peptide identification sensitivity with full isolation window search. *Nature communications*, 16(1), 3329.

Li Z, et al. (2025) Proteomic Analysis of Endemic Viral Infections in Neurons offers Insights into Neurodegenerative Diseases. *bioRxiv : the preprint server for biology*.

Lo WC, et al. (2025) SARST2 high-throughput and resource-efficient protein structure alignment against massive databases. *Nature communications*, 16(1), 8691.

Crombez E, et al. (2025) The subordinate role of pseudogenization to recombinative deletion following polyploidization in angiosperms. *Nature communications*, 16(1), 6335.

Schwyter L, et al. (2025) A combination of phenotypic responses and genetic adaptations enables *Staphylococcus aureus* to withstand inhibitory molecules secreted by *Pseudomonas aeruginosa*. *mSystems*, 10(8), e0026225.

Pagliarini RA, et al. (2025) STX-721, a Covalent EGFR/HER2 Exon 20 Inhibitor, Utilizes Exon 20-Mutant Dynamic Protein States and Achieves Unique Mutant Selectivity Across Human Cancer Models. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(14), 3002.

Ramon-Mateu J, et al. (2025) Aboral cell types of *Clytia* and coral larvae have shared features and link taurine to the regulation of settlement. *Science advances*, 11(20), eadv1159.

Ahmad W, et al. (2025) Machine learning driven dashboard for chronic myeloid leukemia prediction using protein sequences. *PloS one*, 20(6), e0321761.

Walter JD, et al. (2025) Flycodes enable simultaneous preclinical analysis for dozens of antibodies in single cassette-dosed mice. *Proceedings of the National Academy of Sciences of the United States of America*, 122(12), e2426481122.

Nevers Y, et al. (2025) Quality assessment of gene repertoire annotations with OMArk. *Nature biotechnology*, 43(1), 124.