Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 8, 2025

STAR

RRID:SCR_004463
Type: Tool

Proper Citation

STAR (RRID:SCR_004463)

Resource Information

URL: http://code.google.com/p/rna-star/

Proper Citation: STAR (RRID:SCR_004463)

Description: Software performing alignment of high-throughput RNA-seq data. Aligns RNA-seq reads to reference genome using uncompressed suffix arrays.

Synonyms: Spliced Transcripts Alignment to Reference, Spliced Transcripts Alignment to a Reference (STAR), rna-star, ultrafast universal RNA-seq aligner

Resource Type: alignment software, standalone software, software application, data processing software, image analysis software, software resource

Defining Citation: PMID:23104886, DOI:10.1093/bioinformatics/bts635

Keywords: RNA-seq data, alignment, RNA-seq reads alignment, reference genome, using uncompressed suffix arrays, bio.tools

Funding: NHGRI U54 HG004557

Availability: Free, Available for download, Freely available

Resource Name: STAR

Resource ID: SCR_004463

Alternate IDs: biotools:star, OMICS_01254, SCR_015899

Alternate URLs: https://github.com/alexdobin/STAR, https://bio.tools/star, https://sources.debian.org/src/rna-star/

License: GNU General Public License, v3

Record Creation Time: 20220129T080224+0000

Record Last Update: 20250407T215428+0000

Ratings and Alerts

No rating or validation information has been found for STAR.

No alerts have been found for STAR.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 17377 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Ramponi V, et al. (2025) H4K20me3-Mediated Repression of Inflammatory Genes Is a Characteristic and Targetable Vulnerability of Persister Cancer Cells. Cancer research, 85(1), 32.

Hwang J, et al. (2025) Structurally Oriented Classification of FOXA1 Alterations Identifies Prostate Cancers with Opposing Clinical Outcomes and Distinct Molecular and Immunologic Subtypes. Clinical cancer research : an official journal of the American Association for Cancer Research, 31(5), 936.

Allman A, et al. (2025) Splenic fibroblasts control marginal zone B cell movement and function via two distinct Notch2-dependent regulatory programs. Immunity, 58(1), 143.

Matuszkiewicz M, et al. (2025) Identification of genes involved in the tomato root response to Globodera rostochiensis parasitism under varied light conditions. Journal of applied genetics, 66(1), 47.

Wang Y, et al. (2025) Pro-resolving lipid mediator reduces amyloid-?42-induced gene expression in human monocyte-derived microglia. Neural regeneration research, 20(3), 873.

Olney KC, et al. (2025) Distinct transcriptional alterations distinguish Lewy body disease from Alzheimer's disease. Brain : a journal of neurology, 148(1), 69.

Liu JN, et al. (2025) Pan-genome analyses of 11 Fraxinus species provide insights into salt adaptation in ash trees. Plant communications, 6(1), 101137.

Voit RA, et al. (2025) Regulated GATA1 expression as a universal gene therapy for Diamond-Blackfan anemia. Cell stem cell, 32(1), 38.

Cero C, et al. (2025) Profiling the cancer-prone microenvironment in a zebrafish model for MPNST. Oncogene, 44(3), 179.

Du Y, et al. (2025) Critical and differential roles of eIF4A1 and eIF4A2 in B-cell development and function. Cellular & molecular immunology, 22(1), 40.

Chimienti R, et al. (2025) A WFS1 variant disrupting acceptor splice site uncovers the impact of alternative splicing on beta cell apoptosis in a patient with Wolfram syndrome. Diabetologia, 68(1), 128.

Liu L, et al. (2025) ncPlantDB: a plant ncRNA database with potential ncPEP information and cell type-specific interaction. Nucleic acids research, 53(D1), D1587.

Rupert J, et al. (2025) Depletion of Adipose Stroma-Like Cancer-Associated Fibroblasts Potentiates Pancreatic Cancer Immunotherapy. Cancer research communications, 5(1), 5.

Zhou X, et al. (2025) LncPepAtlas: a comprehensive resource for exploring the translational landscape of long non-coding RNAs. Nucleic acids research, 53(D1), D468.

Yue Y, et al. (2025) PLEKHA4 upregulation regulates KIRC cell proliferation through ??catenin signaling. Molecular medicine reports, 31(1).

Blanco E, et al. (2025) Dominant negative variants in ITPR3 impair T cell Ca2+ dynamics causing combined immunodeficiency. The Journal of experimental medicine, 222(1).

Bae S, et al. (2025) Lonafarnib Protects Against Muscle Atrophy Induced by Dexamethasone. Journal of cachexia, sarcopenia and muscle, 16(1), e13665.

Gabiatti BP, et al. (2025) Trypanosoma cruzi eIF4E3- and eIF4E4-containing complexes bind different mRNAs and may sequester inactive mRNAs during nutritional stress. Nucleic acids research, 53(2).

Lau VWC, et al. (2025) Remodelling of the immune landscape by IFN? counteracts IFN?-dependent tumour escape in mouse tumour models. Nature communications, 16(1), 2.

Srivastav MK, et al. (2025) PhpCNF-Y transcription factor infiltrates heterochromatin to generate cryptic intron-containing transcripts crucial for small RNA production. Nature communications, 16(1), 268.