Resource Summary Report

Generated by NIF on Apr 29, 2025

StringTie

RRID:SCR_016323 Type: Tool

Proper Citation

StringTie (RRID:SCR_016323)

Resource Information

URL: https://ccb.jhu.edu/software/stringtie/

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Description: Software application for assembling of RNA-Seq alignments into potential transcripts. It enables improved reconstruction of a transcriptome from RNA-seq reads. This transcript assembling and quantification program is implemented in C++ .

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

Defining Citation: PMID:25690850, DOI:10.1038/nbt.3122

Keywords: assembling, RNA, sequence, transcript, gene, alignment, reconstruction, read, analysis, process, bio.tools

Funding: the Cancer Prevention and Research Institute of Texas ; NHGRI R01 HG006677; NIGMS R01 GM105705; NHGRI R01 HG006102; NCI R01 CA120185; NCI R01 CA134292

Availability: Open source, Free, Freely available, Available for download

Resource Name: StringTie

Resource ID: SCR_016323

Alternate IDs: biotools:stringtie, OMICS_07226

Alternate URLs: https://github.com/gpertea/stringtie, https://bio.tools/stringtie, https://sources.debian.org/src/stringtie/

License: Artistic License

Record Creation Time: 20220129T080330+0000

Record Last Update: 20250428T053953+0000

Ratings and Alerts

No rating or validation information has been found for StringTie .

No alerts have been found for StringTie .

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 3075 mentions in open access literature.

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

Wright SS, et al. (2025) Transplantation of gasdermin pores by extracellular vesicles propagates pyroptosis to bystander cells. Cell, 188(2), 280.

Wang GF, et al. (2025) Chromosome-level genome assembly of a destructive leaf-mining moth Eriocrania semipurpurella alpina. Scientific data, 12(1), 2.

Wei Y, et al. (2025) S100A8/A9 Promotes Dendritic Cell-Mediated Th17 Cell Response in Sjögren's Dry Eye Disease by Regulating the Acod1/STAT3 Pathway. Investigative ophthalmology & visual science, 66(1), 35.

Petersen JM, et al. (2025) Transcriptional dynamics during Heliothis zea nudivirus 1 infection in an ovarian cell line from Helicoverpa zea. The Journal of general virology, 106(1).

Bai W, et al. (2025) Defining ortholog-specific UHRF1 inhibition by STELLA for cancer therapy. Nature communications, 16(1), 474.

Zhou Y, et al. (2025) Telomere-to-telomere genome and resequencing of 254 individuals reveal evolution, genomic footprints in Asian icefish, Protosalanx chinensis. GigaScience, 14.

Liu L, et al. (2025) Effects of maternal Escherichia coli lipopolysaccharide exposure on offspring: insights from IncRNA analysis in laying hens. Poultry science, 104(1), 104599.

Gui A, et al. (2025) Protein lactylation within the nucleus independently predicts the prognosis of non?specific triple?negative breast cancer. Oncology letters, 29(2), 72.

Liu X, et al. (2025) Transcriptomic Insights into Dual Temperature-Salinity Stress Response in "Shuike No. 1", a Pioneering Rainbow Trout Strain Bred in China. Biology, 14(1).

Liu C, et al. (2025) A chromosome-scale genome assembly of the pioneer plant Stylosanthes angustifolia: insights into genome evolution and drought adaptation. GigaScience, 14.

Qi S, et al. (2025) Ethyl Acetate Extract of Cichorium glandulosum Activates the P21/Nrf2/HO-1 Pathway to Alleviate Oxidative Stress in a Mouse Model of Alcoholic Liver Disease. Metabolites, 15(1).

Bell MB, et al. (2025) Brain Transcriptome Changes Associated With an Acute Increase of Protein O-GlcNAcylation and Implications for Neurodegenerative Disease. Journal of neurochemistry, 169(1), e16302.

Chen X, et al. (2025) Integration of ATAC-Seq and RNA-Seq Reveals the Role of FaTIP1 in Red Light-Induced Fruit Ripening in Strawberry. International journal of molecular sciences, 26(2).

Zou X, et al. (2025) Chromosome-level genome assembly of the pine wood nematode carrier Arhopalus unicolor. Scientific data, 12(1), 111.

Wang L, et al. (2025) Novel loci for triglyceride/HDL-C ratio longitudinal change among subjects without T2D. Journal of lipid research, 66(1), 100702.

Sekita T, et al. (2025) Early separation and parallel clonal selection of dedifferentiated and well-differentiated components in dedifferentiated liposarcoma. Neoplasia (New York, N.Y.), 59, 101074.

Zhou H, et al. (2025) Ionizing radiation-induced disruption of Rela-Bclaf1-spliceosome regulatory axis in primary spermatocytes causing spermatogenesis dysfunction. Cell communication and signaling : CCS, 23(1), 58.

Chen Y, et al. (2025) An improved chromosome-level genome assembly and annotation of Hong Kong catfish (Clarias fuscus). Scientific data, 12(1), 193.

Krausfeldt LE, et al. (2025) Transcriptional profiles of Microcystis reveal gene expression shifts that promote bloom persistence in in situ mesocosms. Microbiology spectrum, 13(1), e0136924.

Yang Y, et al. (2025) 3D-printed manganese dioxide incorporated scaffold promotes osteogenic-angiogenic coupling for refractory bone defect by remodeling osteo-regenerative microenvironment. Bioactive materials, 44, 354.