Resource Summary Report

Generated by RRID on Aug 2, 2026

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 analysis software, software application, software resource, sequence analysis software, data processing software

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: 20260801T190741+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 4072 mentions in open access literature.

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

Lee D, et al. (2026) Microglial VRK2 Regulates Astrocytic GABA Synthesis and Tonic Inhibition in the Thalamus. Glia, 74(1), e70101.

Ding Y, et al. (2026) Targeting CPS1 attenuates lung cancer metastasis by regulating EMT through an epigenetic mechanism. Theranostics, 16(4), 1740.

Liu S, et al. (2026) SPP1 Drives Colorectal Cancer Liver Metastasis and Immunotherapy Resistance by Stimulating CXCL12 Production in Cancer-Associated Fibroblasts. Cancer research, 86(1), 58.

Maurstad MF, et al. (2026) The green lacewing venom system and the complex mechanisms underlying its evolution. Molecular biology and evolution, 43(1).

Liu Y, et al. (2026) Biomimetic core-shell GelMA microspheres co-delivering ANXA1, NGF, and fibronectin enable phase-matched immunomodulation and neurorepair after spinal cord injury. Theranostics, 16(1), 483.

Xu Y, et al. (2026) Lipid Droplet-Driven Ribosome Collisions Trigger ZAK?-p38 Signaling to Accelerate Testicular Aging. Aging cell, 25(1), e70359.

Pena-Ortiz MA, et al. (2026) Astrocytic Chromatin Remodeler ATRX Gates Hippocampal Memory Consolidation Through Metabolic and Synaptic Regulation. Glia, 74(1), e70098.

Zhang Q, et al. (2026) Integrated analysis of DNA methylation and transcriptome profiles in broiler heart and lung tissues reveals epigenetic regulatory mechanisms underlying ascites syndrome. Poultry science, 105(1), 106034.

Yeki S, et al. (2026) Sex-Specific doublesex Regulation Targeting the Color-Patterning Gene h Underlies the Evolution of Wing Sexual Dimorphism in the Harlequin Ladybug Harmonia axyridis. Evolution & development, 28(1), e70028.

Wang YH, et al. (2026) Insights into dill (Anethum graveolens) flavor formation via integrative analysis of chromosomal-scale genome, metabolome and transcriptome. Journal of advanced research, 79, 847.

Zhou Z, et al. (2026) Chromosome-level genome provides novel insights into the starch metabolism regulation and evolutionary history of Tetraselmis helgolandica. Journal of advanced research, 79, 251.

Li X, et al. (2026) Site-Specific Mitochondrial RNA N1-Methyladenosine Demethylation via an Engineered MTS-PUF-ALKBH3 Fusion Protein. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(1), e10482.

Zhang G, et al. (2026) Spatial Reorganization of Chromatin Architecture Shapes the Expression Phenotype of Therapy-Induced Senescent Cells. Aging cell, 25(1), e70366.

Gao C, et al. (2026) High-Quality Genome Assembly of Diplocarpon coronariae Unveils LTR Retrotransposon-Driven Structural Dynamics in Fungi Evolution. Molecular ecology resources, 26(1), e70070.

Kim CY, et al. (2026) Integrative multi-omics of matched primary and liver metastatic colorectal cancer organoids identifies putative molecular targets. Translational oncology, 63, 102592.

Zhang J, et al. (2026) Etiology of Iridocorneal Endothelial Syndrome: Viral Infection and Immune Suppression. Cornea, 45(2), 196.

Zhang B, et al. (2026) Human papillomavirus E7 inhibits immune responses in keratinocytes by activating HTRA1?mediated mitophagy. International journal of molecular medicine, 57(1).

Ma WH, et al. (2026) Targeting PTPN13 with 11-amino-acid peptides of C-terminal APC prevents immune evasion of colorectal cancer. Cell research, 36(1), 72.

Jiang M, et al. (2025) The telomere-to-telomere gap-free reference genome and taxonomic reassessment of Siniperca roulei. GigaScience, 14.

Lee C, et al. (2025) Oncogenic Activity and Sorafenib Sensitivity of ARAF p.S214C Mutation in Lung Cancer. Cancers, 17(13).