

Resource Summary Report

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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: software resource, data processing software, sequence analysis software, software application, data analysis 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/gperte/stringtie>, <https://bio.tools/stringtie>, <https://sources.debian.org/src/stringtie/>

License: Artistic License

Record Creation Time: 20220129T080330+0000

Record Last Update: 20260803T040717+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 [ASWG](#) .

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.

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.

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.

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.

Kim CW, et al. (2025) Gut dysbiosis from high-salt diet promotes glioma via propionate-mediated TGF- β activation. *The Journal of experimental medicine*, 222(8).

Mochales-Riaño G, et al. (2025) Chromosome-level reference genome for the medically important Arabian horned viper (*Cerastes gasperettii*). *GigaScience*, 14.