

Resource Summary Report

Generated by [RRID](#) on Aug 6, 2026

Cuffdiff

RRID:SCR_001647

Type: Tool

Proper Citation

Cuffdiff (RRID:SCR_001647)

Resource Information

URL: <http://cufflinks.cbc.b.umd.edu/>

Proper Citation: Cuffdiff (RRID:SCR_001647)

Description: Software that estimates expression at transcript-level resolution and controls for variability evident across replicate libraries.

Abbreviations: Cuffdiff

Synonyms: Cuffdiff 2

Resource Type: software resource

Defining Citation: [PMID:23222703](#)

Keywords: differential expression, rna-seq, transcript, splicing, promoter, coding sequence, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: Cuffdiff

Resource ID: SCR_001647

Alternate IDs: biotools:cuffdiff, OMICS_01969

Alternate URLs: <https://bio.tools/cuffdiff>

License: Boost License

Record Creation Time: 20220129T080208+0000

Record Last Update: 20260801T190146+0000

Ratings and Alerts

No rating or validation information has been found for Cuffdiff.

No alerts have been found for Cuffdiff.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3832 mentions in open access literature.

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

He R, et al. (2026) The Leucine-mTOR-Autophagy Axis in Granulosa Cells Mediates Circadian Disruption-Induced Anovulation. *International journal of biological sciences*, 22(1), 201.

Unzueta-Larrinaga P, et al. (2026) Extracellular matrix dysfunction and synaptic alterations in schizophrenia. *Molecular psychiatry*, 31(1), 396.

Li JG, et al. (2026) Auranofin potentiates linezolid activity against MRSA by disrupting redox homeostasis and inhibiting SarA-mediated virulence and biofilm. *Virulence*, 17(1), 2605759.

Bangru S, et al. (2025) ESRP2-microRNA-122 axis promotes the postnatal onset of liver polyploidization and maturation. *Genes & development*, 39(5-6), 325.

Zhang F, et al. (2025) The ESCRT protein CHMP5 restricts bone formation by controlling endolysosome-mitochondrion-mediated cell senescence. *eLife*, 13.

Singh P, et al. (2025) Alternative mRNA splicing in anthracycline-induced cardiomyopathy - a COG-ALTE03N1 report. *Cardio-oncology (London, England)*, 11(1), 47.

Lin R, et al. (2025) Three cytochrome P450 enzymes consecutively catalyze the biosynthesis of furanoclerodane precursors in *Salvia* species. *Plant communications*, 6(5), 101286.

Zhang X, et al. (2025) Extracorporeal shock waves effectively suppress colorectal cancer proliferation and growth. *Scientific reports*, 15(1), 9769.

Wang C, et al. (2025) Genomic-transcriptomic analysis identifies the Syrian hamster as a superior animal model for human diseases. *BMC genomics*, 26(1), 286.

Liu J, et al. (2025) Ultrasound-activated nano-oxygen sensitizer for sonodynamic-radiotherapy of esophageal cancer. *Nanoscale advances*, 7(8), 2209.

Gao Z, et al. (2025) Cell-Type Specific miRNA Regulatory Network Responses to ABA Stress Revealed by Time Series Transcriptional Atlases in *Arabidopsis*. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(9), e2415083.

Hidaka K, et al. (2025) Identifying gene expression predictive of response to neoadjuvant endocrine therapy in early breast cancer. *Breast cancer research and treatment*, 211(3), 717.

Qu X, et al. (2025) Macrophage Dvl2 deficiency promotes NOD1-Driven pyroptosis and exacerbates inflammatory liver injury. *Redox biology*, 79, 103455.

Han C, et al. (2025) Assembly and analysis of Sinipercidae fish sex chromosomes reveals that a supergene drives sex chromosome origin and turnover. *Advanced biotechnology*, 3(2), 17.

Wang J, et al. (2025) Altered expression and potential role of N6-methyladenosine mRNA methylation in abdominal aortic aneurysm mouse model. *Scientific reports*, 15(1), 18893.

Ra K, et al. (2025) Therapeutic Potential of Human Amniotic Membrane-Derived Mesenchymal Stem Cell Conditioned Medium in Combating Oxidative Stress and Age-Related Female Infertility. *Cells*, 14(11).

Tacto C, et al. (2025) FXD2 marks and regulates maturity of ?? cells via ion channel-mediated signal transduction. *Nature communications*, 16(1), 5110.

Malik V, et al. (2025) Multiomics reveal biomolecular shifts and ER stress in sleep-restricted women affecting NSC functions. *iScience*, 28(5), 112510.

Mishra T, et al. (2025) Divergence between transcriptomes and chromatin accessibility during differentiation from a bipotential progenitor cell population to erythroblasts and megakaryocytes. *bioRxiv : the preprint server for biology*.

Feng Y, et al. (2025) Loss of serine/threonine protein phosphatase 6 severely impairs sexual stage development in malaria parasite *Plasmodium berghei*. *PLoS pathogens*, 21(7), e1013318.