

Resource Summary Report

Generated by [nidm-terms](#) on Jul 29, 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: 20260725T190506+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 [nidm-terms](#) .

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.