

Resource Summary Report

Generated by [ASWG](#) on Aug 2, 2026

Cuffdiff

RRID:SCR_001647

Type: Tool

Proper Citation

Cuffdiff (RRID:SCR_001647)

Resource Information

URL: <http://cufflinks.cbc.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 [ASWG](#) .

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.

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.

Dong D, et al. (2025) Normal Treg homeostasis and suppressive function require both FOXP1 and FOXP4. *JCI insight*, 10(18).

Freytag D, et al. (2025) Lymphopenia drives T cell exhaustion in immunodeficient STING gain-of-function mice. *EMBO molecular medicine*, 17(9), 2438.

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

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.

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.

Proaño-Pérez E, et al. (2025) MITF regulates autophagy and extracellular vesicle cargo in gastrointestinal stromal tumors. *Molecular biomedicine*, 6(1), 92.

Szaker HM, et al. (2025) Transcription fidelity and control of alternative splicing contribute to heat stress survival in *Arabidopsis*. *The Plant cell*, 37(11).

Jiang M, et al. (2025) Inhibition of DJ-1 protects from lupus onset and severity. *Scientific reports*, 15(1), 31217.

Guo X, et al. (2025) Unveiling hepatic Krüppel-like factor 15 as the key regulator of cyclosporine A metabolism and adverse effects. *Drug metabolism and disposition: the biological fate of chemicals*, 53(9), 100136.

Lim M, et al. (2025) Piezo1-mediated mechanotransduction regulates the translational activity, function and lung pathogenicity of group 2 innate lymphoid cells. *Signal transduction and targeted therapy*, 10(1), 269.

Choi ??? H, et al. (2025) Editing of rice PSEUDO-ETIOLATION IN LIGHT microProtein genes promotes chloroplast development. *The Plant cell*, 37(11).