

Resource Summary Report

Generated by [NIF](#) on Aug 30, 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: 20260829T182059+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 3925 mentions in open access literature.

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

Shi X, et al. (2026) LINC02470 impairs natural killer cell cytotoxicity by epigenetically targeting the natural cytotoxicity triggering receptor 1. *Frontiers in immunology*, 17, 1627089.

Berra C, et al. (2026) AhR-dependent ferroptosis as a therapeutic opportunity to counteract BRAFi-resistance in melanoma. *Cell death discovery*, 12(1).

Zeng H, et al. (2026) The ZmFKF1b-ZmDi19-5 Regulatory Module Coordinates Drought Tolerance and Flowering Time in Maize. *Plant biotechnology journal*, 24(3), 1044.

Chen Y, et al. (2026) Fibroblast circSamd4 promotes cardiac fibrosis via activating plasminogen activator inhibitor-1. *Redox biology*, 90, 104018.

Feng Z, et al. (2026) Essential role of NONO-HOXA1-Wnt axis in cardiomyocyte differentiation. *Nature communications*, 17(1).

Westover KR, et al. (2026) Loss of ATM causes R-loop-associated transcriptional dysregulation and attenuates the related response to DNA damage. *The Journal of biological chemistry*, 302(3), 111161.

Li G, et al. (2026) Targeting the Effector AwCES to Attenuate Virulence in the Postharvest Pathogen *Aspergillus westerdijikiae*. *Foods (Basel, Switzerland)*, 15(4).

Yeh LY, et al. (2026) Transcriptomic Profiling Reveals Urokinase-Type Plasminogen Activator-Mediated Regulation of Metabolic Competence and Cumulus Expansion During Mouse Oocyte In Vitro Maturation. *International journal of molecular sciences*, 27(4).

Kubota S, et al. (2026) γ -Glutamylcyclotransferase Depletion Induces p15INK4b and p21Cip1-mediated Senescence via TGF- β /SMAD3 Pathway Activation in Breast Cancer Cells. *Cancer genomics & proteomics*, 23(2), 195.

Xia L, et al. (2026) Genome-wide analysis of BAHD gene family and in vivo characterization of HQT-like genes involved in chlorogenic acid synthesis in tobacco (*Nicotiana tabacum* L.). *BMC plant biology*, 26(1).

Chenxin Z, et al. (2026) Effects of *Leuconostoc lactis* on the antioxidant ability and indole-3-acetaldehyde metabolism via regulating the gut microbiota-liver axis in aged laying hens. *Animal microbiome*, 8(1).

Li S, et al. (2026) MYC-bound enhancer RNAs in cis regulate gene transcription and tumorigenesis. *Science advances*, 12(17), eaeb5147.

Wang X, et al. (2026) Transcriptomic divergences of larval labial salivary glands facilitate host-plant range oscillations between specialist and generalist *Helicoverpa* species. *BMC genomics*, 27(1).

Baratas A, et al. (2026) RNA-Seq Analysis of Human Cumulus Cells Identifies Angiogenic Pathways Associated with Infertility. *Cells*, 15(8).

Wang Y, et al. (2026) CRISPR activation screens identify oncogenic lncRNAs that are susceptible to CDK4/6 inhibitor treatment. *Nature communications*, 17(1).

Hara T, et al. (2026) The homozygous founder *Psmb8* variant of Nakajo-Nishimura syndrome/proteasome-associated autoinflammatory syndrome causes panniculitis-associated lipoatrophy and a shortened lifespan in mice. *Scientific reports*, 16(1).

Reed SL, et al. (2026) Status Epilepticus Alters the Function of Brain-Derived Extracellular Vesicles. *Journal of extracellular vesicles*, 15(6), e70311.

Hua W, et al. (2026) LRP1 activated by AT2 cell-secreted MDK inhibits fibrotic ferroptosis in idiopathic pulmonary fibrosis. *iScience*, 29(6), 116212.

Cañas-Duarte SJ, et al. (2026) An integrative multi-omics approach points to membrane composition as a key factor in *E. coli* persistence. *PloS one*, 21(6), e0351161.

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.