Resource Summary Report

Generated by NIF on Apr 22, 2025

Cuffdiff

RRID:SCR_001647
Type: Tool

Proper Citation

Cuffdiff (RRID:SCR_001647)

Resource Information

URL: http://cufflinks.cbcb.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

Funding:

Resource Name: Cuffdiff

Resource ID: SCR_001647

Alternate IDs: biotools:cuffdiff, OMICS_01969

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

Record Creation Time: 20220129T080208+0000

Record Last Update: 20250420T014034+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 3694 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

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

Zhong Y, et al. (2025) ZmCCD8 regulates sugar and amino acid accumulation in maize kernels via strigolactone signalling. Plant biotechnology journal, 23(2), 492.

Guo A, et al. (2025) The miR3367-lncRNA67-GhCYP724B module regulates male sterility by modulating brassinosteroid biosynthesis and interacting with Aorf27 in Gossypium hirsutum. Journal of integrative plant biology, 67(1), 169.

Chen X, et al. (2025) The PA-X host shutoff site 100 V exerts a contrary effect on viral fitness of the highly pathogenic H7N9 influenza A virus in mice and chickens. Virulence, 16(1), 2445238.

Mi S, et al. (2025) m1A-regulated DIAPH3 promotes the invasiveness of colorectal cancer via stabilization of KRT19. Clinical & experimental metastasis, 42(2), 10.

Jani C, et al. (2025) VPS18 contributes to phagosome membrane integrity in Mycobacterium tuberculosis-infected macrophages. Science advances, 11(5), eadr6166.

Shimosaka M, et al. (2025) Invasion of pancreatic ductal epithelial cells by Enterococcus faecalis is mediated by fibronectin and enterococcal fibronectin-binding protein A. Scientific reports, 15(1), 2585.

Meng J, et al. (2025) Porcine granulosa cell transcriptomic analyses reveal the differential regulation of lncRNAs and mRNAs in response to all-trans retinoic acid in vitro. Animal bioscience, 38(2), 267.

Kang KA, et al. (2025) Epigenetic Regulation of Nuclear Factor Erythroid-2-Related Factor 2 in Colorectal Cancer Cells Resistant to Ionizing Radiation. Biomolecules & therapeutics, 33(1), 182.

Rosato BE, et al. (2025) RAS signaling pathway is essential in regulating PIEZO1-mediated hepatic iron overload in dehydrated hereditary stomatocytosis. American journal of hematology, 100(1), 52.

Sobhiafshar U, et al. (2024) Interferon regulatory factor 4 modulates epigenetic silencing and cancer-critical pathways in melanoma cells. Molecular oncology, 18(10), 2423.

Chaubal R, et al. (2024) Surgical Tumor Resection Deregulates Hallmarks of Cancer in Resected Tissue and the Surrounding Microenvironment. Molecular cancer research : MCR, 22(6), 572.

Endo T, et al. (2024) Multiple ageing effects on testicular/epididymal germ cells lead to decreased male fertility in mice. Communications biology, 7(1), 16.

Marmion M, et al. (2024) Added insult to injury? The response of meat-associated pathogens to proposed antimicrobial interventions. Applied microbiology and biotechnology, 108(1), 87.

Tan YQ, et al. (2024) Vertical pathway inhibition of receptor tyrosine kinases and BAD with synergistic efficacy in triple negative breast cancer. NPJ precision oncology, 8(1), 8.

Fu X, et al. (2024) Med23 deficiency reprograms the tumor microenvironment to promote lung tumorigenesis. British journal of cancer, 130(5), 716.

Chen SJ, et al. (2024) A let-7 microRNA-RALB axis links the immune properties of iPSC-derived megakaryocytes with platelet producibility. Nature communications, 15(1), 2588.

Maneix L, et al. (2024) Cyclophilin A supports translation of intrinsically disordered proteins and affects haematopoietic stem cell ageing. Nature cell biology, 26(4), 593.

Watanuki S, et al. (2024) Context-dependent modification of PFKFB3 in hematopoietic stem cells promotes anaerobic glycolysis and ensures stress hematopoiesis. eLife, 12.

Ellsworth CR, et al. (2024) Natural Killer Cells Do Not Attenuate a Mouse-Adapted SARS-CoV-2-Induced Disease in Rag2-/- Mice. Viruses, 16(4).