

Resource Summary Report

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CummeRbund

RRID:SCR_014568

Type: Tool

Proper Citation

CummeRbund (RRID:SCR_014568)

Resource Information

URL: <http://compbio.mit.edu/cummeRbund/index.html>

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Description: Software R package used for simplifying and analyzing Cufflink RNA-Seq output. This program takes various output files from a cuffdiff run and creates a SQLite database of the results that will describe the appropriate relationships between the genes, transcripts, transcription start sites and CDS regions.

Resource Type: data analysis software, data processing software, sequence analysis software, software application, software resource

Keywords: r software, cufflink, rna-seq, sqlite, gene, transcript, transcription start site, cds region, r, rnaseq, rna seq, bio.tools, FASEB list

Availability: Free, Freely available

Resource Name: CummeRbund

Resource ID: SCR_014568

Alternate IDs: biotools:cummerbund, OMICS_07349

Alternate URLs: <https://bio.tools/cummerbund>, <https://sources.debian.org/src/r-bioc-cummerbund/>

License: Artistic License 2.0

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260905T132748+0000

Ratings and Alerts

No rating or validation information has been found for CummeRbund.

No alerts have been found for CummeRbund.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 366 mentions in open access literature.

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

Della Monica R, et al. (2026) The lysine methyltransferase KMT5a and p53 regulate the expression of the key autophagy adaptor p62/SQSTM1 in glioblastoma. *Cell communication and signaling : CCS*, 24(1).

Chimata P, et al. (2026) KCNA2 variants cause dilated cardiomyopathy, obesity and sleep apnea through RAC-ERK pathway. *EMBO molecular medicine*, 18(4), 1134.

Wang K, et al. (2026) HAdV55 reprograms host 3D genome architecture and mitochondrial metabolism to drive pathogenesis. *Cellular and molecular life sciences : CMLS*, 83(1).

Yan Y, et al. (2025) Palmitoylation prevents B7-H4 lysosomal degradation sustaining tumor immune evasion. *Nature communications*, 16(1), 4254.

Kim JH, et al. (2025) A haplotype-phased genome characterizes the genomic architecture and causal variants for RXf1 conferring resistance to *Xanthomonas fragariae* in strawberry (*F. × ananassa*). *BMC genomics*, 26(1), 453.

Ruan J, et al. (2025) Screening and identification of muscle pericyte selective markers. *Scientific reports*, 15(1), 28874.

Garcia-Hernandez S, et al. (2025) Concerted transport and phosphorylation of diacylglycerol at ER-PM contact sites regulate phospholipid dynamics during stress. *Proceedings of the National Academy of Sciences of the United States of America*, 122(23), e2421334122.

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

Kang Y, et al. (2025) Roles of micro/nanoplastics in the spread of antimicrobial resistance through conjugative gene transfer. *Nature communications*, 17(1), 1118.

Kang M, et al. (2025) Screening and Identification of Brain Pericyte-Selective Markers. *CNS neuroscience & therapeutics*, 31(2), e70247.

Xie F, et al. (2024) Repetitive transcranial magnetic stimulation alleviates motor impairment in Parkinson's disease: association with peripheral inflammatory regulatory T-cells and SYT6. *Molecular neurodegeneration*, 19(1), 80.

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.

Tsai SH, et al. (2024) Peripheral peroxisomal α -oxidation engages neuronal serotonin signaling to drive stress-induced aversive memory in *C. elegans*. *Cell reports*, 43(4), 113996.

Sharma A, et al. (2024) Deciphering the role of VapBC13 and VapBC26 toxin antitoxin systems in the pathophysiology of *Mycobacterium tuberculosis*. *Communications biology*, 7(1), 1417.

Lan MY, et al. (2024) Unraveling the Pathogenetic Mechanisms Underlying the Association between Specific Mitochondrial DNA Haplogroups and Parkinson's Disease. *Cells*, 13(8).

Shang S, et al. (2024) 0.263 terahertz irradiation induced genes expression changes in *Caenorhabditis elegans*. *iScience*, 27(4), 109391.

Lavado-Benito C, et al. (2024) GacA reduces virulence and increases competitiveness in planta in the tumorigenic olive pathogen *Pseudomonas savastanoi* pv. *savastanoi*. *Frontiers in plant science*, 15, 1347982.

Lages MA, et al. (2024) Remodulation of bacterial transcriptome after acquisition of foreign DNA: the case of irp-HPI high-pathogenicity island in *Vibrio anguillarum*. *mSphere*, 9(1), e0059623.

Daneshpour H, et al. (2023) Macroscopic quorum sensing sustains differentiating embryonic stem cells. *Nature chemical biology*, 19(5), 596.

Peng H, et al. (2023) SLC43A2 and NF κ B signaling pathway regulate methionine/cystine restriction-induced ferroptosis in esophageal squamous cell carcinoma via a feedback loop. *Cell death & disease*, 14(6), 347.