Resource Summary Report

Generated by RRID on Aug 4, 2026

edgeR

RRID:SCR_012802
Type: Tool

Proper Citation

edgeR (RRID:SCR_012802)

Resource Information

URL: http://bioconductor.org/packages/edgeR/

Proper Citation: edgeR (RRID:SCR_012802)

Description: Bioconductor software package for Empirical analysis of Digital Gene Expression data in R. Used for differential expression analysis of RNA-seq and digital gene expression data with biological replication.

Abbreviations: edgeR

Synonyms: edgeR, empirical analysis of digital gene expression data in R, Empirical analysis of Digital Gene Expression data in R

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

Defining Citation: PMID:19910308, DOI:10.1093/bioinformatics/btp616

Keywords: empirical, analysis, digital, gene, expression, data, R, RNA-seq data, bio.tools

Funding: NHMRC 406657;
Independent Research Institutes Infrastructure Support Scheme 361646;
Victorian State Government OIS grant ;
Melbourne International Research Scholarship ;
Harris and IBS Honours scholarships

Availability: Free, Available for download, Freely available

Resource Name: edgeR

Resource ID: SCR_012802

Alternate IDs: OMICS_01308, biotools:edger

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

License: GPL

Record Creation Time: 20220129T080312+0000

Record Last Update: 20260805T044305+0000

Ratings and Alerts

No rating or validation information has been found for edgeR.

No alerts have been found for edgeR.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 21899 mentions in open access literature.

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

Herbrich S, et al. (2026) TET2-mutant clonal hematopoiesis enhances macrophage antigen presentation and improves immune checkpoint therapy in solid tumors. Cancer cell, 44(1), 187.

Pilat DJ, et al. (2026) The gain-of-function TREM2-T96K mutation increases risk for Alzheimer's disease by impairing microglial function. Neuron, 114(1), 46.

Kim H, et al. (2026) Myelin antigen capture in the CNS by B cells expressing EBV latent membrane protein 1 leads to demyelinating lesion formation. Cell.

Lee BR, et al. (2026) Induction of germ cell-like cells from deleted in azoospermia-like enhanced green fluorescent protein gene knock-in chicken somatic cells via transgenic expression of pluripotency and germ cell-specific transcription factors. Animal bioscience, 39(1), 250233.

Sinke L, et al. (2026) DNA methylation of genes involved in lipid metabolism drives adiponectin levels and metabolic disease. Diabetologia, 69(1), 127.

Choi D, et al. (2026) Bivalent Histone Modifications Orchestrate Temporal Regulation of Glucosinolate Biosynthesis During Wound-Induced Stress Responses in Arabidopsis. Plant, cell & environment, 49(1), 450.

Zhou LH, et al. (2026) HMGB2 Promotes Cardiomyocyte Proliferation and Heart Regeneration Through MTA2-Driven Metabolic Reprogramming. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(1), e05820.

Cai H, et al. (2026) Venenum bufonis and its active constituents alleviate RSV-induced pneumonia in mice by suppressing macrophage infiltration and NLRP3 inflammasome activation. Virus research, 363, 199672.

Yang M, et al. (2026) Dihydroalterperylenol from endophytic fungus Alternaria semiverrucosa and its antitumour activity uncovered by transcriptome analysis, molecular docking and molecular dynamics simulations. Molecular medicine reports, 33(1).

Tam H, et al. (2026) Splenic cDC1 efferocytosis and cross-presentation to CD8 T cells are promoted by GPR34 and lysophosphatidylserine. The Journal of experimental medicine, 223(1).

Chen J, et al. (2026) Genomic and transcriptomic analysis of yield enhancement mechanism of lipopeptide iturin W by tryptone supplementation. Microbiology spectrum, 14(1), e0324725.

Ma T, et al. (2026) CircAASS alleviates renal injury and fibrosis by regulating mitochondrial homeostasis in tubular epithelial cells. Autophagy, 22(1), 182.

Maurstad MF, et al. (2026) The green lacewing venom system and the complex mechanisms underlying its evolution. Molecular biology and evolution, 43(1).

Panda K, et al. (2026) HIV disrupts the lung molecular clock, leading to lung inflammation and features of emphysema. Communications biology, 9(1), 11.

Daniel MM, et al. (2026) Integrative Bioinformatics Reveals Novel Molecular Mechanisms and Therapeutic Targets in Acute Myeloid Leukaemia. Journal of cellular and molecular medicine, 30(1), e71007.

Lima Cunha W, et al. (2026) Molecular mechanisms associated with rootstock-scion interactions in rubber trees. The plant genome, 19(1), e70147.

Kong L, et al. (2026) Kisspeptins inhibit ectopic endometrial cell invasion and angiogenesis by suppressing PI3K/AKT signaling pathway via CREB5 in endometriosis. International journal of medical sciences, 23(1), 334.

Cammarata I, et al. (2026) Treg Susceptibility to Cladribine-Induced Depletion Correlates With Therapy Response in Patients With Multiple Sclerosis. Neurology(R) neuroimmunology & neuroinflammation, 13(1), e200521.

Hallal R, et al. (2026) Targeting SUMOylation Triggers IFN-??-dependent Activation of Patient and Allogenic NK Cells in Preclinical Models of Acute Myeloid Leukemia. Molecular cancer therapeutics, 25(1), 125.

Li Y, et al. (2026) Senkyunolide A interrupts TRAF6-HDAC3 interaction to epigenetically suppress c-MYC and attenuate cholestatic liver injury. Journal of advanced research, 79, 935.