

Resource Summary Report

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DEXSeq

RRID:SCR_012823

Type: Tool

Proper Citation

DEXSeq (RRID:SCR_012823)

Resource Information

URL: <http://bioconductor.org/packages/release/bioc/html/DEXSeq.html>

Proper Citation: DEXSeq (RRID:SCR_012823)

Description: Software package focused on finding differential exon usage using RNA-seq exon counts between samples with different experimental designs. It provides functions that allows the user to make the necessary statistical tests based on a model that uses the negative binomial distribution to estimate the variance between biological replicates and generalized linear models for testing. The package also provides functions for the visualization and exploration of the results.

Abbreviations: DEXSeq

Resource Type: software resource

Keywords: bio.tools

Resource Name: DEXSeq

Resource ID: SCR_012823

Alternate IDs: OMICS_01329, biotools:dexseq

Alternate URLs: <https://bio.tools/dexseq>

Record Creation Time: 20220129T080312+0000

Record Last Update: 20260725T190737+0000

Ratings and Alerts

No rating or validation information has been found for DEXSeq.

No alerts have been found for DEXSeq.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 506 mentions in open access literature.

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

Corr BR, et al. (2025) SM08502-Mediated β -Catenin Repression Synergizes with Olaparib to Inhibit Tumor Progression. *Cancer research communications*, 5(12), 2112.

Luo M, et al. (2025) The interplay between epigenomic and transcriptomic variation during ecotype divergence in stickleback. *BMC biology*, 23(1), 70.

Celik S, et al. (2025) Antisense-mediated regulation of exon usage in the elastic spring region of Titin modulates sarcomere function. *Cardiovascular research*, 121(4), 629.

Shah R, et al. (2025) Photoaffinity enabled transcriptome-wide identification of splice modulating small molecule-RNA binding events in native cells. *RSC chemical biology*, 6(6), 905.

Liu X, et al. (2025) Osteoclast-derived arachidonic acid triggers dormant lung adenocarcinoma cell activation. *iScience*, 28(5), 112167.

Chen H, et al. (2025) The Hao-Fountain syndrome protein USP7 regulates neuronal connectivity in the brain via a novel p53-independent ubiquitin signaling pathway. *Cell reports*, 44(2), 115231.

Kalita AI, et al. (2025) Sex-specific transcriptome dynamics of *Anopheles gambiae* during embryonic development. *Genes & development*, 39(17-18), 1106.

Shi M, et al. (2025) Sex-biased transcriptome in in vitro produced bovine early embryos. *Cell & bioscience*, 15(1), 123.

Embree CM, et al. (2025) Direct and indirect effects of spliceosome disruption compromise gene regulation by nonsense-mediated mRNA decay. *RNA biology*, 22(1), 1.

Lacy KD, et al. (2025) Heterozygosity at a conserved candidate sex determination locus is associated with female development in the clonal raider ant (*Ooceraea biroii*). *eLife*, 14.

Liu S, et al. (2025) Epididymal dynamics and preimplantation roles of a sperm-enriched 5' fragment of tRNA-valine. *Cell reports*, 44(10), 116366.

Shi Q, et al. (2025) Spatial dissimilarity analysis in single-cell transcriptomics. *Cell reports methods*, 5(9), 101141.

Keuthan CJ, et al. (2025) Dynamic changes in mRNA isoform usage during human retinal development. *bioRxiv : the preprint server for biology*.

Diehl D, et al. (2025) Hyaluronic acid promotes biomineralization of osteoblast-like cells - observations on two different barrier membranes. *International journal of implant dentistry*, 11(1), 58.

Krueger A, et al. (2025) The essential kinase TgGSK regulates centrosome segregation and endodyogeny in *Toxoplasma gondii*. *mSphere*, 10(4), e0011125.

Donega S, et al. (2025) In-vitro human myogenesis model reveals novel mRNA alternative splicing isoforms. *Scientific reports*, 15(1), 34273.

Pangrácová M, et al. (2025) Extended longevity of termite kings and queens is accompanied by extranuclear localization of telomerase in somatic organs and caste-specific expression of its isoforms. *Insect science*, 32(2), 364.

Aquino J, et al. (2025) A novel splicing graph allows a direct comparison between exon-based and splice junction-based approaches to alternative splicing detection. *Briefings in bioinformatics*, 26(3).

Gleeson J, et al. (2025) Isoform-level profiling of m6A epitranscriptomic signatures in human brain. *Science advances*, 11(32), eadp0783.

Erady C, et al. (2025) Systematic review and mega-analysis of the peripheral blood transcriptome in depression implicates dysregulation of lymphoid cells and histones. *medRxiv : the preprint server for health sciences*.