

Resource Summary Report

Generated by [NIF](#) on Aug 22, 2026

DESeq

RRID:SCR_000154

Type: Tool

Proper Citation

DESeq (RRID:SCR_000154)

Resource Information

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

Proper Citation: DESeq (RRID:SCR_000154)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on August 30, 2023. Software for differential gene expression analysis based on the negative binomial distribution. It estimates variance-mean dependence in count data from high-throughput sequencing assays and tests for differential expression.

Abbreviations: DESeq

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

Defining Citation: [PMID:20979621](#), [DOI:10.1186/s13059-014-0550-8](#)

Keywords: gene expression, binomial, differential, negative binomial distribution, bio.tools

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: DESeq

Resource ID: SCR_000154

Alternate IDs: OMICS_01306, biotools:deseq

Alternate URLs: <https://bio.tools/deseq>, <https://sources.debian.org/src/r-bioc-deseq2/>

Record Creation Time: 20220129T080159+0000

Record Last Update: 20260821T193607+0000

Ratings and Alerts

No rating or validation information has been found for DESeq.

No alerts have been found for DESeq.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 529 mentions in open access literature.

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

Lee D, et al. (2026) Microglial VRK2 Regulates Astrocytic GABA Synthesis and Tonic Inhibition in the Thalamus. *Glia*, 74(1), e70101.

Radke K, et al. (2026) Repurposing statins and phenothiazines to treat chemoresistant neuroblastoma. *EMBO molecular medicine*, 18(2), 433.

Halim S, et al. (2026) Dominant-negative TP53 mutations potentiated by the HSF1-regulated proteostasis network. *Molecular cell*.

Ding H, et al. (2026) SOX11-mediated CXCL10/CXCR3 activation promotes neuroendocrine prostate cancer. *The Journal of pharmacology and experimental therapeutics*, 393(5), 104320.

ChallaSivaKanaka S, et al. (2026) DGAT1 Drives Racially Divergent Fibroblast Activation via ERK1/2-Dependent Tumorigenic Signaling in Prostate Cancer. *Cancer research communications*, 6(6), 1305.

Kardian AS, et al. (2026) Dominant clones leverage developmental epigenomic states to drive ependymoma. *Nature*, 652(8111), 1027.

Radulovich N, et al. (2026) Preclinical Combination Targeting VEGF and PI3K in a Rare, Aggressive Mixed Endometrial Carcinoma: An Applied Case Report. *Cancer research communications*, 6(4), 832.

Zhou Z, et al. (2026) Integrative analysis of the mouse cecal microbiome across diet, age, and weight in the diverse BXD population. *Microbiome*, 14(1).

Su L, et al. (2026) ENPP1 blockade with a humanized monoclonal antibody enhances renal repair after acute kidney injury. *Cell stem cell*, 33(7), 1110.

Vilarrubi A, et al. (2026) SMARCB1 Deficiency in Tumors Confers a Vulnerability to H3K27 Demethylase Inhibitors via Autophagy Disruption. *Cancer research*.

Zhang W, et al. (2026) A poly(I:C)/QS-21-based in situ vaccine synergizes with anti-PD-1 therapy to overcome tumor immunoresistance. *Cell reports. Medicine*, 102932.

Horii M, et al. (2026) Clinical and Molecular Differences of Hypertensive Disorders During Pregnancy. *Arteriosclerosis, thrombosis, and vascular biology*, 46(3), e323457.

Saini P, et al. (2026) Targeting Interactions Between Siglec-10 and $\alpha 3 \beta 1$ Integrin Enhances Macrophage-Mediated Phagocytosis of Pancreatic Cancer. *Cancer research*, 86(1), 99.

Jiang Y, et al. (2026) HDAC6 orchestrates metastatic and immunosuppressive programs in small cell lung cancer through S100A2-TGF- β /SMAD and CSF1R signaling. *Molecular cancer*, 25(1), 33.

Baquero J, et al. (2026) Key Early Changes in Oral Squamous Cell Carcinogenesis Are Accelerated by Ectopic BMI1 Expression. *Cancer research communications*, 6(1), 152.

Alvaro-Espinosa L, et al. (2026) MIF-Induced CD74+ Microglia and Macrophages Promote Progression of Brain Metastasis and Are Clinically Relevant across Central Nervous System Disorders. *Cancer research*, 86(13), 3249.

Ding Z, et al. (2026) TRAPPC4 Promotes GPX4 Stability to Drive Ferroptosis Resistance and Tumor Progression in Head and Neck Squamous Cell Carcinoma. *Cancer research*, 86(14), 3436.

Gong D, et al. (2026) GLIS3 marks a neural-like progenitor cell state that drives metastasis in pancreatic ductal adenocarcinoma. *Cell reports*, 45(5), 117314.

Ruiz CF, et al. (2026) Diet-induced phospholipid remodeling dictates ferroptosis sensitivity and tumorigenesis in the pancreas. *Cancer discovery*.

Pham FK, et al. (2026) Melanoma cell states shape spatial tumor-immune ecosystems to dictate the efficacy of anti-PD1 immunotherapy. *Journal for immunotherapy of cancer*, 14(6).