Resource Summary Report

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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, software application, data processing software, software resource

Defining Citation: PMID:20979621, DOI:10.1186/s13059-014-0550-8

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

Funding:

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: 20250331T060011+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 391 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Chen D, et al. (2024) RUVBL1/2 Blockade Targets YTHDF1 Activity to Suppress m6A-Dependent Oncogenic Translation and Colorectal Tumorigenesis. Cancer research, 84(17), 2856.

Sievänen T, et al. (2024) Circulating miRNA Signature Predicts Cancer Incidence in Lynch Syndrome-A Pilot Study. Cancer prevention research (Philadelphia, Pa.), 17(6), 243.

April-Monn SL, et al. (2024) Patient derived tumoroids of high grade neuroendocrine neoplasms for more personalized therapies. NPJ precision oncology, 8(1), 59.

Wu D, et al. (2024) The BET PROTAC inhibitor GNE-987 displays anti-tumor effects by targeting super-enhancers regulated gene in osteosarcoma. BMC cancer, 24(1), 928.

Jing N, et al. (2024) PAX6 promotes neuroendocrine phenotypes of prostate cancer via enhancing MET/STAT5A-mediated chromatin accessibility. Journal of experimental & clinical cancer research : CR, 43(1), 144.

Hillen H, et al. (2024) A Novel Irreversible TEAD Inhibitor, SWTX-143, Blocks Hippo Pathway Transcriptional Output and Causes Tumor Regression in Preclinical Mesothelioma Models. Molecular cancer therapeutics, 23(1), 3.

Van Espen B, et al. (2024) RNF185 Control of COL3A1 Expression Limits Prostate Cancer Migration and Metastatic Potential. Molecular cancer research : MCR, 22(1), 41.

Treekitkarnmongkol W, et al. (2024) Epigenetic activation of SOX11 is associated with recurrence and progression of ductal carcinoma in situ to invasive breast cancer. British

journal of cancer, 131(1), 171.

Tani T, et al. (2024) TREX1 Inactivation Unleashes Cancer Cell STING-Interferon Signaling and Promotes Antitumor Immunity. Cancer discovery, 14(5), 752.

Wei S, et al. (2024) A Comprehensive Proteogenomic and Spatial Analysis of Innate and Acquired Resistance of Metastatic Melanoma to Immune Checkpoint Blockade Therapies. bioRxiv : the preprint server for biology.

Rohena-Rivera K, et al. (2024) Targeting ketone body metabolism in mitigating gemcitabine resistance. JCI insight, 9(24).

Liu ZS, et al. (2024) R-Loop Accumulation in Spliceosome Mutant Leukemias Confers Sensitivity to PARP1 Inhibition by Triggering Transcription-Replication Conflicts. Cancer research, 84(4), 577.

Galbo PM, et al. (2024) Functional Contribution and Clinical Implication of Cancer-Associated Fibroblasts in Glioblastoma. Clinical cancer research : an official journal of the American Association for Cancer Research, 30(4), 865.

Yammine KM, et al. (2024) ER procollagen storage defect without coupled unfolded protein response drives precocious arthritis. Life science alliance, 7(9).

Croushore EE, et al. (2024) EWS-FLI1 and Activator Protein-1 (AP-1) Reciprocally Regulate Extracellular-Matrix Proteins in Ewing sarcoma Cells. International journal of molecular sciences, 25(16).

Lai TJ, et al. (2024) Epigenetic Induction of Cancer-Testis Antigens and Endogenous Retroviruses at Single-Cell Level Enhances Immune Recognition and Response in Glioma. Cancer research communications, 4(7), 1834.

Vanhoutte D, et al. (2024) Thbs1 regulates skeletal muscle mass in a TGF?-Smad2/3-ATF4-dependent manner. Cell reports, 43(5), 114149.

Bannoura SF, et al. (2024) RCC1 regulation of subcellular protein localization via Ran GTPase drives pancreatic ductal adenocarcinoma growth. Cancer letters, 604, 217275.

Sebastian RM, et al. (2024) Dominant-negative TP53 mutations potentiated by the HSF1-regulated proteostasis network. bioRxiv : the preprint server for biology.

McDaniel JM, et al. (2024) p53R172H and p53R245W Hotspot Mutations Drive Distinct Transcriptomes in Mouse Mammary Tumors Through a Convergent Transcriptional Mediator. Cancer research communications, 4(8), 1991.