## **Resource Summary Report**

Generated by NIF on Apr 28, 2025

# **EDASeq**

RRID:SCR\_006751

Type: Tool

## **Proper Citation**

EDASeq (RRID:SCR\_006751)

#### **Resource Information**

URL: http://watson.nci.nih.gov/bioc\_mirror/packages/2.11/bioc/html/EDASeq.html

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**Description:** Software for numerical and graphical summaries of RNA-Seq read data. Within-lane normalization procedures to adjust for GC-content effect (or other gene-level effects) on read counts: loess robust local regression, global-scaling, and full-quantile normalization (Risso et al., 2011). Between-lane normalization procedures to adjust for distributional differences between lanes (e.g., sequencing depth): global-scaling and full-quantile normalization (Bullard et al., 2010).

**Abbreviations:** EDASeq

Synonyms: EDASeq: Exploratory Data Analysis and Normalization for RNA-Seq data

**Resource Type:** software resource

Keywords: data analysis, normalization, rna-seq

**Funding:** 

Resource Name: EDASeq

Resource ID: SCR\_006751

Alternate IDs: OMICS 01231

**Record Creation Time:** 20220129T080238+0000

Record Last Update: 20250420T014346+0000

## **Ratings and Alerts**

No rating or validation information has been found for EDASeq.

No alerts have been found for EDASeq.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 237 mentions in open access literature.

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

Sulaiman F, et al. (2025) Characterizing Circulating microRNA Signatures of Type 2 Diabetes Subtypes. International journal of molecular sciences, 26(2).

Fouziya S, et al. (2024) Genome wide nucleosome landscape shapes 3D chromatin organization. Science advances, 10(23), eadn2955.

Kelley LH, et al. (2024) Poly(U) polymerase activity in Caenorhabditis elegans regulates abundance and tailing of sRNA and mRNA. Genetics, 228(2).

Trimaglio G, et al. (2024) The C-type lectin DCIR contributes to the immune response and pathogenesis of colorectal cancer. Scientific reports, 14(1), 7199.

Kopecky C, et al. (2024) Effect of insulin insufficiency on ultrastructure and function in skeletal muscle. Journal of cachexia, sarcopenia and muscle, 15(1), 112.

Liang Z, et al. (2024) ALKBH5 governs human endoderm fate by regulating the DKK1/4-mediated Wnt/?-catenin activation. Nucleic acids research, 52(18), 10879.

Niu Z, et al. (2024) Characterization of circulating tumor cells in patients with metastatic bladder cancer utilizing functionalized microfluidics. Neoplasia (New York, N.Y.), 57, 101036.

Zhu Y, et al. (2024) Disruption of MAM integrity in mutant FUS oligodendroglial progenitors from hiPSCs. Acta neuropathologica, 147(1), 6.

Popescu A, et al. (2024) Transcriptional dynamics of sleep deprivation and subsequent recovery sleep in the male mouse cortex. bioRxiv: the preprint server for biology.

Díaz-Campos MÁ, et al. (2024) Functional impact of multi-omic interactions in lung cancer. Frontiers in genetics, 15, 1282241.

Yu X, et al. (2024) Construction of a prognostic prediction model in liver cancer based on

genes involved in integrin cell surface interactions pathway by multi-omics screening. Frontiers in cell and developmental biology, 12, 1237445.

Holden AC, et al. (2024) Carotenoid retention during post-harvest storage of Capsicum annuum: the role of the fruit surface structure. Journal of experimental botany, 75(7), 1997.

Gu J, et al. (2024) Autophagy is essential for human myelopoiesis. Stem cell reports, 19(2), 196.

Rivière Q, et al. (2024) Effects of light regimes on circadian gene co-expression networks in Arabidopsis thaliana. Plant direct, 8(8), e70001.

Gabriel AA, et al. (2024) Robust estimation of cancer and immune cell-type proportions from bulk tumor ATAC-Seq data. eLife, 13.

Gessain G, et al. (2024) TREM2-Expressing Multinucleated Giant Macrophages Are a Biomarker of Good Prognosis in Head and Neck Squamous Cell Carcinoma. Cancer discovery, 14(12), 2352.

Alaimo A, et al. (2024) Sterile inflammation via TRPM8 RNA-dependent TLR3-NF-kB/IRF3 activation promotes antitumor immunity in prostate cancer. The EMBO journal, 43(5), 780.

Guo R, et al. (2024) TEAD2 initiates ground-state pluripotency by mediating chromatin looping. The EMBO journal, 43(10), 1965.

Kang B, et al. (2024) Large-scale generation of IL-12 secreting macrophages from human pluripotent stem cells for cancer therapy. Molecular therapy. Methods & clinical development, 32(1), 101204.

Luyt NA, et al. (2024) Physical cell-cell contact elicits specific transcriptomic responses in wine yeast species. Microbiology spectrum, 12(8), e0057223.