

# Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](https://fdi-lab.sci-crunch.org) on Apr 2, 2025

## DEGseq

RRID:SCR\_008480

Type: Tool

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### Proper Citation

DEGseq (RRID:SCR\_008480)

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### Resource Information

**URL:** <http://www.bioconductor.org/packages/2.6/bioc/html/DEGseq.html>

**Proper Citation:** DEGseq (RRID:SCR\_008480)

**Description:** R package to identify differentially expressed genes from RNA-Seq data.

**Abbreviations:** DEGseq

**Resource Type:** software resource

**Funding:**

**Resource Name:** DEGseq

**Resource ID:** SCR\_008480

**Alternate IDs:** OMICS\_01305

**Record Creation Time:** 20220129T080247+0000

**Record Last Update:** 20250214T183125+0000

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### Ratings and Alerts

No rating or validation information has been found for DEGseq.

No alerts have been found for DEGseq.

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### Data and Source Information

Source: [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 1490 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [FDI Lab - SciCrunch.org](#).

Cheng C-J, et al. (2025) Extracellular vesicles from fifth-stage larval *Angiostrongylus cantonensis* upregulate cholesterol biosynthesis and suppress NLRP2-associated inflammatory responses in mouse astrocytes. *mSystems*, 10(1), e0101424.

Jian D, et al. (2025) METTL3-Mediated m6A Modification of ISG15 mRNA Regulates Doxorubicin-Induced Endothelial Cell Apoptosis. *Journal of cellular and molecular medicine*, 29(1), e70339.

Chang CC, et al. (2025) NR1H3 in combatting COVID-19 induced brain fog: Neuroprotective effects and neurovascular integrity preservation in hACE2 mice. *Journal of traditional and complementary medicine*, 15(1), 36.

Zhang Q, et al. (2025) Connexin 43 contributes to perioperative neurocognitive disorder by attenuating perineuronal net of hippocampus in aged mice. *Cellular and molecular life sciences : CMLS*, 82(1), 37.

Wei X, et al. (2025) CircUCK2(2,3) promotes cancer progression and enhances synergistic cytotoxicity of lenvatinib with EGFR inhibitors via activating CNIH4-TGF $\beta$ -EGFR signaling. *Cellular & molecular biology letters*, 30(1), 15.

Mitra R, et al. (2025) Genetic identification of acetyl-CoA synthetases involved in acetate activation in *Haloflex mediterranei*. *Applied and environmental microbiology*, 91(1), e0184324.

Fu Q, et al. (2025) Sugemule-7 alleviates oxidative stress, neuroinflammation, and cell death, promoting synaptic plasticity recovery in mice with postpartum depression. *Scientific reports*, 15(1), 1426.

Wang Z, et al. (2025) OsFKBP12 transduces the sucrose signal from OsNIN8 to the OsTOR pathway in a loosely binding manner for cell division. *iScience*, 28(1), 111555.

Shu L, et al. (2025) Comparative Transcriptomic Analysis Reveals New Insights into Spawn Aging in *Agaricus bisporus*: Mitochondrial Dysfunction. *International journal of molecular sciences*, 26(2).

Wen X, et al. (2025) Inhibition of the neddylation E2 enzyme UBE2M in macrophages protects against *E. coli*-induced sepsis. *The Journal of biological chemistry*, 301(1), 108085.

Huang X, et al. (2025) Lipopolysaccharide-induced active telocyte exosomes alleviate

lipopolysaccharide-induced vascular barrier disruption and acute lung injury via the activation of the miRNA-146a-5p/caspase-3 signaling pathway in endothelial cells. *Burns & trauma*, 13, tkae074.

Zhou H, et al. (2025) Oestrogen suppresses the adipogenesis of fibro/adipogenic progenitors through reactivating the METTL3-ESR1-mediated loop in post-menopausal females. *Clinical and translational medicine*, 15(2), e70206.

Liu T, et al. (2025) Deciphering the therapeutic effects of Xiyanping injection: insights into pulmonary and gut microbiome modulation, SerpinB2/PAI-2 targeting, and alleviation of influenza a virus-induced lung injury. *Virology journal*, 22(1), 19.

Wang Y, et al. (2025) Transcriptome, miRNA, and degradome sequencing reveal the leaf stripe (*Pyrenophora graminea*) resistance genes in Tibetan hulless barley. *BMC plant biology*, 25(1), 71.

Jiao M, et al. (2025) Molybdate uptake interplay with ROS tolerance modulates bacterial pathogenesis. *Science advances*, 11(3), eadq9686.

Gao Y, et al. (2024) PiRNA hsa\_piR\_019914 Promoted Chondrocyte Anabolic Metabolism By Inhibiting LDHA-Dependent ROS Production. *Cartilage*, 15(3), 303.

Tan W, et al. (2024) Transcriptomic and bioinformatics analysis of the mechanism by which erythropoietin promotes recovery from traumatic brain injury in mice. *Neural regeneration research*, 19(1), 171.

Modi N, et al. (2024) BRD4 Regulates Glycolysis-Dependent Nos2 Expression in Macrophages Upon *H pylori* Infection. *Cellular and molecular gastroenterology and hepatology*, 17(2), 292.

Wang H, et al. (2024) The pathogenic mechanism of syndactyly type V identified in a *Hoxd13Q50R* knock-in mice. *Bone research*, 12(1), 21.

He W, et al. (2024) Overexpression of Let-7a mitigates diploidization in mouse androgenetic haploid embryonic stem cells. *iScience*, 27(5), 109769.