

Resource Summary Report

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Goseq

RRID:SCR_017052

Type: Tool

Proper Citation

Goseq (RRID:SCR_017052)

Resource Information

URL: <https://bioconductor.org/packages/release/bioc/html/goseq.html>

Proper Citation: Goseq (RRID:SCR_017052)

Description: Software application for performing Gene Ontology analysis on RNAseq data and other length biased data. Used to reduce complexity and highlight biological processes in genome wide expression studies.

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

Defining Citation: [PMID:20132535](#)

Keywords: Gene, Ontology, analysis, RNAseq, data, sequencing, genome, expression, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: Goseq

Resource ID: SCR_017052

Alternate IDs: biotools:goseq

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

License: LGPL

Record Creation Time: 20220129T080333+0000

Record Last Update: 20260728T043529+0000

Ratings and Alerts

No rating or validation information has been found for Goseq.

No alerts have been found for Goseq.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 354 mentions in open access literature.

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

Eierman LE, et al. (2025) Exposure to plastic debris alters expression of biomineralization, immune, and stress-related genes in the eastern oyster (*Crassostrea virginica*). *PloS one*, 20(4), e0319165.

He T, et al. (2025) The potential mechanism of MicroRNA involvement in the regulation of muscle development in weaned piglets by tryptophan and its metabolites. *BMC genomics*, 26(1), 330.

Brock MT, et al. (2025) Characterization of transcriptional and metabolic responses to a complex plant growth-promoting soil inoculum. *Plant biology (Stuttgart, Germany)*, 27(6), 990.

Malkmus J, et al. (2025) WNT signaling coordinately controls mouse limb bud outgrowth and establishment of the digit-interdigit pattern. *Development (Cambridge, England)*, 152(11).

Sokolova IM, et al. (2025) Unravelling Hypoxia Tolerance: Transcriptomic and Metabolic Insights From *Lucinoma capensis* in an Oxygen Minimum Zone. *Molecular ecology*, 34(24), e70194.

Wang L, et al. (2025) Uclacyanin MtUC1 Is Involved in the Regulation of Nodule Senescence in *Medicago truncatula*. *Molecular plant pathology*, 26(11), e70171.

Huang Z, et al. (2025) Transcriptomic insights into the resistance mechanism of *Penaeus vannamei* against highly lethal *Vibrio parahaemolyticus*. *Scientific reports*, 15(1), 13490.

Wu J, et al. (2025) Comparative phenotypic and transcriptomic analyses reveal the potential molecular basis of forming bigger leaf blade in autotetraploid castor bean. *BMC plant biology*, 25(1), 1223.

Li S, et al. (2025) Exosomes originating from neural stem cells undergoing necroptosis participate in cellular communication by inducing TSC2 upregulation of recipient cells following spinal cord injury. *Neural regeneration research*, 20(11), 3273.

Page PM, et al. (2025) MicroRNA profiling identifies VHL/HIF-2? dependent miR-2355-5p as a key modulator of clear cell Renal cell carcinoma tumor growth. *Cancer cell*

international, 25(1), 71.

Monteiro LMO, et al. (2025) Metabolic profiling of two white-rot fungi during 4-hydroxybenzoate conversion reveals biotechnologically relevant biosynthetic pathways. *Communications biology*, 8(1), 224.

Lewis MT, et al. (2025) Host plant flooding stress in soybeans differentially impacts avirulent and virulent soybean aphid (*Aphis glycines*) biotypes. *Scientific reports*, 15(1), 4897.

Glombik M, et al. (2025) Rapid reprogramming and stabilization of homoeolog expression bias in hexaploid wheat biparental populations. *Genome biology*, 26(1), 147.

Du X, et al. (2025) Enhancing gut-ovary health in aged laying hens: the impact of dietary betaine supplementation. *Poultry science*, 104(4), 104894.

Noman M, et al. (2025) Bacterial extracellular biomolecules-derived multimodal manganese nanoparticles control watermelon *Fusarium* wilt by dysregulating fusaric acid biosynthesis pathway and precise tuning of rhizosphere metabolome. *Journal of nanobiotechnology*, 23(1), 452.

Wu J, et al. (2025) Poly-Lysine-Derived Carbon Quantum Dots Promote the Repair of Bone Defects in Osteomyelitis Through Antibacterial and Osteogenic Effects. *International journal of nanomedicine*, 20, 7199.

Zhang RG, et al. (2025) Reticulate allopolyploidy and subsequent dysploidy drive evolution and diversification in the cotton family. *Nature communications*, 16(1), 7480.

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.

Fan Z, et al. (2025) Xanthoxylin Regulating the Inflammatory Microenvironment After Spinal Cord Injury Through Inhibition of the NF- κ B Signaling Pathway. *Neuromolecular medicine*, 27(1), 47.

Hu Y, et al. (2025) m6A reader IGF2BP1 facilitates macrophage glycolytic metabolism and fibrotic phenotype by stabilizing THBS1 mRNA to promote pulmonary fibrosis. *Cellular and molecular life sciences : CMLS*, 82(1), 157.