

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

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: 20260818T043550+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 382 mentions in open access literature.

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

Lu W, et al. (2026) Multi-omics analysis reveals seasonal variation in ovarian lipid metabolism associated with vitamin D3 in the muskrats. *BMC genomics*, 27(1).

Villanueva BHA, et al. (2026) Experimental adaptation of pigeon rotavirus A (pRVA) in human colorectal cancer cells reveals interferon-driven host responses and immune checkpoint modulation. *New microbes and new infections*, 70, 101726.

Caballero Gomez N, et al. (2026) Integrated Transcriptomics and Metabolomic Profiling Suggests That Thymol Adaptation Induces Multi-Layered Envelope and Metabolic Perturbations That Sensitize *Pseudomonas psychrophila* to Antibiotics. *International journal of molecular sciences*, 27(9).

Zhang J, et al. (2026) Whole Transcriptome Analysis of Male and Female Northern Pike (*Esox lucius*). *Biology*, 15(12).

Akgul Caglar T, et al. (2026) Heart-Specific Spinal and Vagal Afferents: Transcriptomic Signatures and Optogenetically Modulated Functional Coupling With Cardiomyocytes. *Comprehensive Physiology*, 16(4), e70203.

Edwards C, et al. (2026) HK2 knockdown is associated with context-dependent inflammatory and angiogenesis-related transcriptional programmes in glioblastoma cells. *Frontiers in immunology*, 17, 1842240.

Swanepoel S, et al. (2026) A weighted gene co-expression network analysis characterises the common defence responses of *Eucalyptus* to diverse biotic challenges. *Scientific reports*, 16(1), 5387.

Zhang Y, et al. (2026) Deciphering the Biosynthetic Pathways and Regulatory Networks of the Active Components of *Cibotium barometz* by Transcriptomic Analysis. *International journal of molecular sciences*, 27(4).

Yang X, et al. (2026) Integrated morphological, physiological, and transcriptomic profiling unveils a root-centric defense network mediating aluminum tolerance in *Trifolium repens* L. *BMC plant biology*, 26(1).

Banks EJ, et al. (2026) A bacterial CARD-NLR-like immune system controls the release of gene transfer agents. *Nature microbiology*, 11(6), 1511.

Myers MS, et al. (2026) BMX-001 acts as a selective chemoradioprotector in rectal cancer. *Redox biochemistry and chemistry*, 16.

Zhang YY, et al. (2026) Wolbachia-driven host miRNAs mediate arthropod reproduction in a Wolbachia density-dependent manner. *Communications biology*, 9(1).

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

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.

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).

Song D, et al. (2025) The impact of awn length on seed yield and drought resistance in *Elymus sibiricus* L. and the molecular mechanism underlying awn length regulation. *BMC plant biology*, 26(1), 127.

Liu K, et al. (2025) Grafting enhances growth vigor and photosynthetic capacity in the progeny of critically endangered *Abies beshanzuensis*. *BMC plant biology*, 26(1), 56.

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.

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.