

Resource Summary Report

Generated by [NIF](#) on Aug 20, 2026

[topGO](#)

RRID:SCR_014798

Type: Tool

Proper Citation

topGO (RRID:SCR_014798)

Resource Information

URL: <http://bioconductor.org/packages/release/bioc/html/topGO.html>

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Description: Software package which provides tools for testing GO terms while accounting for the topology of the GO graph. Different test statistics and different methods for eliminating local similarities and dependencies between GO terms can be implemented and applied.

Resource Type: software toolkit, software resource

Keywords: r, go, go graph, local similarities, software tool, software package, bio.tools

Availability: Available for download

Resource Name: topGO

Resource ID: SCR_014798

Alternate IDs: biotools:topgo

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

Record Creation Time: 20220129T080322+0000

Record Last Update: 20260819T044405+0000

Ratings and Alerts

No rating or validation information has been found for topGO.

No alerts have been found for topGO.

Data and Source Information

Usage and Citation Metrics

We found 3080 mentions in open access literature.

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

Singh D, et al. (2026) Antibody-Mediated Targeting of Secretory Protein SCUBE3 Suppresses Cancer Progression by Inhibiting Oncogenic Signaling and Inducing Antitumor Immunity. *Cancer research*, 86(5), 1252.

Mao X, et al. (2026) Cytoplasmic mRNA decay by the antiviral nuclease RNase L promotes transcriptional repression. *Cell reports*, 45(3), 117028.

Dombaxe CP, et al. (2026) Proteomic Signatures of Regeneration: Uncovering Extracellular Matrix-Associated Cues in Goldfish Spinal Cord Repair. *The Journal of comparative neurology*, 534(5), e70170.

Tiwari D, et al. (2026) Molecular mechanisms of naturally encoded signaling bias at the complement anaphylatoxin receptors. *Molecular cell*, 86(13), 2586.

Pena-Ortiz MA, et al. (2026) Astrocytic Chromatin Remodeler ATRX Gates Hippocampal Memory Consolidation Through Metabolic and Synaptic Regulation. *Glia*, 74(1), e70098.

Wang S, et al. (2026) Impact of mare milk-derived small extracellular vesicles on proliferation, phagocytosis, and migration in RAW264.7 macrophage. *Scientific reports*, 16(1), 6944.

Ding Y, et al. (2026) Genomic responses to increased temperature and pollinator selection in *Brassica rapa* L. *The New phytologist*, 250(2), 1231.

Sarsaiya S, et al. (2026) Gold nanoparticle-mediated metabolic engineering in *Trichoderma longibrachiatum* MD33 unveils a hybrid terpenoid-alkaloid pathway for enhanced dendrobine biosynthesis. *Microbial cell factories*, 25(1), 47.

Zhuang H, et al. (2026) PreTSA: computationally efficient modeling of temporal and spatial gene expression patterns. *Genome biology*, 27(1).

Lima Cunha W, et al. (2026) Molecular mechanisms associated with rootstock-scion interactions in rubber trees. *The plant genome*, 19(1), e70147.

Zenker S, et al. (2026) Time- and space-resolved transcriptional regulation in *Arabidopsis thaliana*. *Plant biology (Stuttgart, Germany)*, 28(4), 1005.

Song J, et al. (2026) Effects of Single Bolus Exposure to Propofol on Depression-like Behavior in a Chronic Unpredictable Mild Stress Model in Mice. *Anesthesiology*, 144(6), 1329.

Groot-Crego C, et al. (2026) Divergent Transcriptional Architectures Beyond Core CAM Genes in Facultative and Constitutive CAM Species in *Tillandsia* L. *Molecular ecology*,

35(6), e70313.

Wen M, et al. (2026) Global atlas of enhancer-promoter interactome in cotton genome revealed by profiling RNA-RNA spatial interactions. *Genome biology*, 27(1), 12.

Finno CJ, et al. (2026) Microglial transcriptional profiles of a transgenic rat model closely model Alzheimer's disease. *Journal of Alzheimer's disease : JAD*, 109(4), 1608.

Humer D, et al. (2026) NR2F6 deletion revives CAR-T cell function and induces antigen-agnostic immune memory in solid tumors. *Nature communications*, 17(1).

Lai Q, et al. (2026) Evolutionary history and genomic consequences of polyploidization in natural populations of *Orychophragmus taibaiensis*. *Horticulture research*, 13(2), uhaf314.

Feng D, et al. (2026) Molecular mechanisms of peanut root responses to Cd stress regulated by ABC transporter and plant hormone signal transduction pathways. *BMC plant biology*, 26(1).

Li S, et al. (2026) Gatm ablation disrupts spermatogenesis by impairing ribosome biogenesis and coupling defective steroid biosynthesis to immunoglobulin silencing. *Frontiers in cell and developmental biology*, 14, 1786659.

Szwec S, et al. (2026) Dystrophins DP71 and DP427 determine cell viability during proliferation and myofibre differentiation. *Cell death & disease*, 17(1).