

Resource Summary Report

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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 resource, software toolkit

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: 20260905T133259+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 [Kravitz](#) .

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.

Vainer A, et al. (2026) Hormone-centric multi-omics atlas of flower and early fruit development in tomato. *Plant communications*, 7(1), 101674.

Singh P, et al. (2026) Ancestral splice variation is a key substrate for rapid diversification in African cichlids. *Proceedings of the National Academy of Sciences of the United States of America*, 123(20), e2516477123.

Huang L, et al. (2026) Functional Portability of a Hyperaccumulator-Derived Core Microbiome: Enhancing Cadmium Phytoextraction in *Brassica juncea* L. Through Molecular Reprogramming. *Toxics*, 14(4).

Deng H, et al. (2026) Block-building with yeast to elucidate an artificial pathway for de novo biosynthesis of glabridin. *Nature communications*, 17(1).

Bolder MF, et al. (2026) Unmated Queens Show Worker-Like Behaviour and Gene Expression in Polygynous Colonies of the Ant *Stigmatomma pallipes*. *Molecular ecology*, 35(9), e70360.

Kalaniopio PH, et al. (2026) Transcriptomic data of larval zebrafish exposed to continuous sub- and supra-MCL sodium arsenite and uranyl nitrate. *bioRxiv : the preprint server for biology*.

Song XY, et al. (2026) Cargo molecules in plasma neural-derived extracellular vesicles reveal pathological signatures of primary open-angle glaucoma. *Journal of translational medicine*, 24(1).

Tee EE, et al. (2026) Plasmodesmal closure elicits stress responses. *EMBO reports*, 27(12), 3231.

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).

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.

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

Carrillo-Baltodano AM, et al. (2026) Developmental system drift in dorsoventral patterning is linked to transitions to autonomous development in Annelida. *Nature communications*, 17(1).

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.

Yeki S, et al. (2026) Sex-Specific doublesex Regulation Targeting the Color-Patterning Gene *h* Underlies the Evolution of Wing Sexual Dimorphism in the Harlequin Ladybug *Harmonia axyridis*. *Evolution & development*, 28(1), e70028.