

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 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: 20260729T044333+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 2839 mentions in open access literature.

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

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

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.

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

Woods RM, et al. (2026) Developmental modulation of schizophrenia risk gene methylation in offspring exhibiting cognitive deficits following maternal immune activation. *Molecular psychiatry*, 31(1), 418.

Renard T, et al. (2026) Epigenetic Age Prediction Using N6-Methyladenine in the Buff-Tailed Bumblebee (*Bombus terrestris*). *Aging cell*, 25(1), e70312.

Liu Z, et al. (2026) The CpxR response regulator mediates the virulence of *Klebsiella pneumoniae* by regulating the expression of virulence-associated genes. *Microbiology spectrum*, 14(1), e0292825.

Kerkhoff M, et al. (2026) New cell lines expanding the diversity of Ewing sarcoma models. *International journal of cancer*, 158(3), 642.

Gilbert MB, et al. (2025) Neuropeptides specify and reprogram division of labor in the leafcutter ant *Atta cephalotes*. *Cell*, 188(15), 3974.

Voigt O, et al. (2025) Genetic parallels in biomineralization of the calcareous sponge *Sycon ciliatum* and stony corals. *eLife*, 14.

Özta?, et al. (2025) Natural Variation in Sexual Traits and Gene Expression between Selfing and Outcrossing *Arabidopsis lyrata* Suggests Sexual Selection at Work. *Plant & cell physiology*, 66(4), 581.

Fang CG, et al. (2025) Cry1 resistance in a CRISPR/Cas9-mediated HaCad1 gene knockout strain of the Australian cotton bollworm *Helicoverpa armigera conferta* (Lepidoptera: Noctuidae). *Pest management science*, 81(2), 959.

Bellitto D, et al. (2025) A multi-omics approach reveals impaired lipid metabolism and oxidative stress in a zebrafish model of Alexander disease. *Redox biology*, 81, 103544.

Giblin A, et al. (2025) Neuronal polyunsaturated fatty acids are protective in ALS/FTD. *Nature neuroscience*, 28(4), 737.

Steward RA, et al. (2025) Evolved and Plastic Gene Expression in Adaptation of a Specialist Fly to a Novel Niche. *Molecular ecology*, 34(4), e17653.

Shearman JR, et al. (2025) Assembly of the salt-secreting mangrove *Avicennia rumphiana*. *PloS one*, 20(2), e0318091.

Ducrest AL, et al. (2025) Melanin and Neurotransmitter Signalling Genes Are Differentially Co-Expressed in Growing Feathers of White and Rufous Barn Owls. *Pigment cell & melanoma research*, 38(2), e70001.

McLellan J, et al. (2025) Gestational autoantibody exposure impacts early brain development in a rat model of MAR autism. *Molecular psychiatry*, 30(7), 3018.

Kokla A, et al. (2025) A long-distance inhibitory system regulates haustoria numbers in parasitic plants. *Proceedings of the National Academy of Sciences of the United States of America*, 122(8), e2424557122.

Brady MJ, et al. (2025) Antagonistic kinesin-14s within a single chromosomal drive haplotype. *bioRxiv : the preprint server for biology*.

Werle IS, et al. (2025) Different nontarget-site mechanisms underlie resistance to dicamba and 2,4-D in an *Amaranthus tuberculatus* population. *Pest management science*, 81(7), 3464.