

# Resource Summary Report

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## topGO

RRID:SCR\_014798

Type: Tool

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### Proper Citation

topGO (RRID:SCR\_014798)

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### Resource Information

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

**Proper Citation:** topGO (RRID:SCR\_014798)

**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:** 20260803T040640+0000

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### Ratings and Alerts

No rating or validation information has been found for topGO.

No alerts have been found for topGO.

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### 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 [ASWG](#) .

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

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.

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.

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.

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.

Öz, 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.

Li R, et al. (2025) A close unicellular relative reveals aggregative multicellularity was key to the evolution of animals. *bioRxiv : the preprint server for biology*.

Fehlberg C, et al. (2025) Molecular pathology of acute spinal cord injury in middle-aged mice. *bioRxiv : the preprint server for biology*.

Lynch RC, et al. (2025) Domesticated cannabinoid synthases amid a wild mosaic cannabis pangenome. *Nature*, 643(8073), 1001.

Krull F, et al. (2025) Findings from transcriptomics and immunohistochemistry indicate an autoimmune disease targeting brainstem inhibitory interneurons in bovine spastic paresis. *PloS one*, 20(5), e0324633.

Meola L, et al. (2025) Functional Characterization of LTR12C as Regulators of Germ-Cell-Associated TA-p63 in U87-MG and T98-G In Vitro Models. *Cells*, 14(11).

Oladosu OJ, et al. (2025) Tissue-specific transcriptomic adaptation in three strains of chickens during coinfections with parasites. *Gut pathogens*, 17(1), 43.

Canales CP, et al. (2025) Persistent cortical excitatory neuron dysregulation in adult Chd8 haploinsufficient mice. *bioRxiv : the preprint server for biology*.

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