Resource Summary Report

Generated by NIF on May 2, 2025

topGO

RRID:SCR_014798

Type: Tool

Proper Citation

topGO (RRID:SCR_014798)

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 resource, software toolkit

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

Funding:

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: 20250429T055704+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

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2475 mentions in open access literature.

Listed below are recent publications. The full list is available at NIF.

Tu W, et al. (2025) Investigation of the Molecular Mechanism of Asthma in Meishan Pigs Using Multi-Omics Analysis. Animals: an open access journal from MDPI, 15(2).

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.

Huang S, et al. (2025) Neuronal guidance factor Sema3A inhibits neurite ingrowth and prevents chondrocyte hypertrophy in the degeneration of knee cartilage in mice, monkeys and humans. Bone research, 13(1), 4.

Qi W, et al. (2025) Nb-FAR-1: A key developmental protein affects lipid droplet accumulation and cuticle formation in Nippostrongylus brasiliensis. PLoS neglected tropical diseases, 19(1), e0012769.

Alejo-Jacuinde G, et al. (2025) Gene family rearrangements and transcriptional priming drive the evolution of vegetative desiccation tolerance in Selaginella. The Plant journal: for cell and molecular biology, 121(1), e17169.

Quinlan GM, et al. (2025) Leveraging Transcriptional Signatures of Diverse Stressors for Bumble Bee Conservation. Molecular ecology, 34(3), e17626.

Hosaka AJ, et al. (2025) Allotetraploid nature of a wild potato species, Solanum stoloniferum Schlechtd. et Bché., as revealed by whole-genome sequencing. The Plant journal: for cell and molecular biology, 121(1), e17158.

Fanourgakis G, et al. (2025) DNA methylation modulates nucleosome retention in sperm and H3K4 methylation deposition in early mouse embryos. Nature communications, 16(1), 465.

Wang B, et al. (2025) CD4+ T helper 2 cell-macrophage crosstalk induces IL-24-mediated breast cancer suppression. JCI insight, 10(1).

Liu H, et al. (2025) Identification of novel ferroptosis-related biomarkers associated with the

oxidative stress pathways in ischemic cardiomyopathy. International journal of cardiology. Heart & vasculature, 56, 101584.

Liu Z, et al. (2025) Genome architecture of the allotetraploid wild grass Aegilops ventricosa reveals its evolutionary history and contributions to wheat improvement. Plant communications, 6(1), 101131.

Ge L, et al. (2025) Viral RNA polymerase as a SUMOylation decoy inhibits RNA quality control to promote potyvirus infection. Nature communications, 16(1), 157.

Paulo DF, et al. (2025) Functional genomics implicates ebony in the black pupae phenotype of tephritid fruit flies. Communications biology, 8(1), 60.

Zhou L, et al. (2025) Targeted antimicrobial self-assembly peptide hydrogel with in situ biomimic remineralization for caries management. Bioactive materials, 44, 428.

Ko WH, et al. (2025) Genome-wide statistical evidence elucidates candidate factors of life expectancy in dogs. Molecules and cells, 48(1), 100162.

Fu Z, et al. (2025) Microglia modulate the cerebrovascular reactivity through ectonucleotidase CD39. Nature communications, 16(1), 956.

Wang J, et al. (2025) Silver single atoms and nanoparticles on floatable monolithic photocatalysts for synergistic solar water disinfection. Nature communications, 16(1), 981.

Llanwarne F, et al. (2025) Covariation Between Microbiome Composition and Host Transcriptome in the Gut of Wild Drosophila melanogaster: A Re-Analysis. Ecology and evolution, 15(1), e70853.

Shaikh K, et al. (2025) ZFAND6 promotes TRAF2-dependent mitophagy to restrain cGAS-STING signaling. iScience, 28(1), 111544.

Chen D, et al. (2024) RUVBL1/2 Blockade Targets YTHDF1 Activity to Suppress m6A-Dependent Oncogenic Translation and Colorectal Tumorigenesis. Cancer research, 84(17), 2856.