

Resource Summary Report

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ShinyGO

RRID:SCR_019213

Type: Tool

Proper Citation

ShinyGO (RRID:SCR_019213)

Resource Information

URL: <http://bioinformatics.sdstate.edu/go/>

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Description: Software graphical gene set enrichment tool for animals and plants. Graphical web application to gain insights from gene sets. Features include graphical visualization of enrichment results and gene characteristics, and application program interface access to KEGG and STRING for retrieval of pathway diagrams and protein-protein interaction networks.

Synonyms: ShinyGO 0.77, ShinyGO 0.80, Shiny Gene Ontology, ShinyGO v0.61

Resource Type: data access protocol, web service, software resource

Defining Citation: [PMID:31882993](#)

Keywords: Graphical gene set enrichment, animal gene, plant gene, graphical visualization, enrichment results, gene characteristics, pathway diagrams retrieval, protein interaction network, bio.tools

Resource Name: ShinyGO

Resource ID: SCR_019213

Alternate IDs: biotools:ShinyGO

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

Record Creation Time: 20220129T080344+0000

Record Last Update: 20260803T040759+0000

Ratings and Alerts

No rating or validation information has been found for ShinyGO.

No alerts have been found for ShinyGO.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 842 mentions in open access literature.

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

Kinoshita S, et al. (2026) Astrocytic Igfbp2 Promotes Spontaneous Seizures in a Mouse Model of Mesial Temporal Lobe Epilepsy. *Glia*, 74(1), e70099.

Kunzelman GW, et al. (2026) Chromatin Profiling Reveals Distinct Male and Female Trajectories for Developmental Learning Potential. *Developmental neurobiology*, 86(1), e23017.

Daniele LL, et al. (2026) Selective deletion of Slc2a1 from the RPE reveals that rods but not cones depend on glucose transport across the outer blood-retinal barrier. *iScience*, 29(1), 114450.

Choi D, et al. (2026) Bivalent Histone Modifications Orchestrate Temporal Regulation of Glucosinolate Biosynthesis During Wound-Induced Stress Responses in Arabidopsis. *Plant, cell & environment*, 49(1), 450.

Korek M, et al. (2025) Strigolactone insensitivity affects differential shoot and root transcriptome in barley. *Journal of applied genetics*, 66(1), 15.

Fonseca I, et al. (2025) Bioinformatics tools for drug repurposing: a tutorial using heart failure as a case study. *Journal of molecular and cellular cardiology plus*, 13, 100460.

Ryu H, et al. (2025) Identification of reactive CpGs and RNA expression in early COVID-19 through cis-eQTM analysis reflecting disease severity and recovery. *Communications biology*, 8(1), 1174.

Wang C, et al. (2025) Viral oncogene EBNA1P regulates YY1 DNA binding and alters host 3D genome organization. *EMBO reports*, 26(3), 810.

Kelly C, et al. (2025) Identifying common pathways for doxorubicin and carfilzomib-induced cardiotoxicities: transcriptomic and epigenetic profiling. *Scientific reports*, 15(1), 4395.

Zimmermann S, et al. (2025) Association of Lifestyle-Induced Weight Loss With Gene Expression in Subcutaneous Adipose Tissue in Metabolic Syndrome. *Journal of diabetes*, 17(4), e70083.

Da Silva AJ, et al. (2025) Nuclear talin-1 provides a bridge between cell adhesion and gene expression. *iScience*, 28(2), 111745.

Terry J, et al. (2025) Gene Expression Patterns in a Congenital Neurocristic Hamartoma With Multiple Proliferative Nodules. *Journal of cutaneous pathology*, 52(2), 85.

Skandalou E, et al. (2025) Proteome of Renal Tubuli and Serum Differentiate Pre-Existing Type 2 Diabetes and Post-Transplant Diabetes in Kidney Transplant Recipients. *Proteomics. Clinical applications*, 19(3), e70000.

Kim SA, et al. (2025) Immunogenic clearance combined with PD-1 blockade elicits antitumor effect by promoting the recruitment and expansion of the effector memory-like CD8⁺T cell. *Translational oncology*, 51, 102209.

Rittenhouse NL, et al. (2025) Unraveling the cohesin-chromatin interface: identifying protein interactions that modulate chromosome structure and function. *Epigenetics & chromatin*, 18(1), 31.

Arya R, et al. (2025) Bioinformatics-Driven Identification of Ferroptosis-Related Gene Signatures Distinguishing Active and Latent Tuberculosis. *Genes*, 16(6).

Majlath I, et al. (2025) Putrescine treatment has a higher effect on 5mC DNA methylation profile of wheat leaves under white than under blue light conditions. *Scientific reports*, 15(1), 22734.

Rissone A, et al. (2025) The transcription factors Tfeb and Tfe3 are required for survival and embryonic development of pancreas and liver in zebrafish. *PLoS genetics*, 21(6), e1011754.

Zhang Z, et al. (2025) Integrative Multiomics Profiling of Mouse Hippocampus Reveals Transcriptional Upregulation of Interferon-Stimulated Genes Through PU.1 Regulator in Microglial Activation Induced by Chronic Cerebral Hypoperfusion. *MedComm*, 6(5), e70157.

Elias EE, et al. (2025) The spleen tyrosine kinase inhibitor entospletinib resolves inflammation to promote repair following acute kidney injury. *JCI insight*, 10(16).