

Resource Summary Report

Generated by [NIF](#) on Aug 25, 2026

g:Profiler

RRID:SCR_006809

Type: Tool

Proper Citation

g:Profiler (RRID:SCR_006809)

Resource Information

URL: <http://biit.cs.ut.ee/gprofiler/>

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Description: Web server for functional enrichment analysis and conversions of gene lists. Web based tool for functional profiling of gene lists from large scale experiments. Has web interface with powerful visualization. Used for analyzing data from any organism.

Synonyms: G:Profiler, g:profiler, gProfiler

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

Defining Citation: [PMID:21646343](#), [PMID:17478515](#), [PMID:31066453](#)

Keywords: gene, high-throughput, genomics, visualization, statistical analysis, slimmer-type tool, term enrichment, protein interaction, functional similarity, analysis, coexpression, gene id, network enrichment analysis, orthology mapping, genomic locus, ontology or annotation visualization, other analysis, ortholog, functional profile, gene list, ontology, pathway, transcription factor, microRNA, regulatory motif, protein-protein interaction, biomolecule, gene expression, gene, homology, single nucleotide polymorphism, DNA polymorphism, chromosome, network analysis, disease gene, r

Funding: Estonian Research Council grants ;
European Regional Development Fund for CoE of Estonian ICT research EXCITE projects

Availability: Free, Freely available

Resource Name: g:Profiler

Resource ID: SCR_006809

Alternate IDs: OMICS_02223, nif-0000-31975

Record Creation Time: 20220129T080238+0000

Record Last Update: 20260821T193755+0000

Ratings and Alerts

No rating or validation information has been found for g:Profiler.

No alerts have been found for g:Profiler.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2310 mentions in open access literature.

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

Mariancini A, et al. (2026) IL1R2 Deficiency Unleashes Neutrophil-Mediated Antitumor Potential in Sarcoma. *Cancer immunology research*, 14(5), 751.

Altendorf L, et al. (2026) Molecular changes during AT/RT progression associated with epithelial-mesenchymal transition and extracellular matrix changes. *Acta neuropathologica*, 152(1).

Gromadziński L, et al. (2026) Unveiling the molecular impact of pulmonary embolism on the right ventricle: a multi-layer transcriptomic study in a porcine model. *Molecular and cellular biochemistry*, 481(1), 509.

Chang Y, et al. (2026) NDST3-Induced Epigenetic Reprogramming Reverses Neurodegeneration in Parkinson's Disease. *Advanced science (Weinheim, Baden-Wuerttemberg, Germany)*, 13(14), e07323.

Gou X, et al. (2026) Identification of a Two-Gene Biomarker Correlated with Sensitivity to Combined PARP7 Inhibition and AHR Activation in Cancer Cells. *Cancer research communications*, 6(1), 5.

Zhong Z, et al. (2026) Phylogenomic analysis of Cervidae provides insights into antler origin and evolution. *Zoological research*, 47(1), 289.

Wei W, et al. (2026) Transcriptomic analysis identifies hub genes involved in age-dependent abdominal fat development in chickens. *Poultry science*, 105(4), 106521.

Valente R, et al. (2026) Parallel Erosion of a Testis-Specific Na⁺/K⁺ ATPase in Three Mammalian Lineages Sheds Light into the Evolution of Spermatozoa Energetics. *Genome biology and evolution*, 18(2).

Hatakeyama K, et al. (2026) Translating spatial transcriptomic signatures in adenosquamous carcinoma into bulk prognostic biomarkers in lung adenocarcinoma: a bottom-up approach. *NPJ precision oncology*, 10(1).

Litz B, et al. (2026) Persistent foot-and-mouth disease virus infection of the bovine nasopharynx is associated with suppression of innate and cellular immunity. *PloS one*, 21(1), e0340425.

Wang Z, et al. (2026) An interpretable Graph-Regularized Optimal Transport Framework for Diagonal Single-Cell Integrative Analysis. *GigaScience*, 15.

Ataie Z, et al. (2026) Cellular Snowballing: Cell Adhesion and Migration Drive the Self-Assembly of Cell-Microgel Biohybrid Spheroids. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(30), e11302.

Yelmen B, et al. (2026) Interpreting artificial neural networks to detect genome-wide association signals for complex traits. *NAR genomics and bioinformatics*, 8(1), lqag019.

Reyer H, et al. (2026) Digestibility and transcriptomic profiling of kidney, pancreas, follicle, and uterus in laying hens supplemented with phytogenic feed additive. *Poultry science*, 105(2), 106219.

Daniel MM, et al. (2026) Integrative Bioinformatics Reveals Novel Molecular Mechanisms and Therapeutic Targets in Acute Myeloid Leukaemia. *Journal of cellular and molecular medicine*, 30(1), e71007.

Son S, et al. (2026) Amyloid- β aggregates induce vasculopathy via ferroptosis in brain endothelial cells. *Brain pathology (Zurich, Switzerland)*, 36(4), e70074.

Anaya-Romero M, et al. (2026) Comparative Proteomic Analysis of Gonadal Tissue in *Solea senegalensis* Reveals Reproductive Deregulation Associated with F1 Individuals. *Biomolecules*, 16(2).

Beale AD, et al. (2026) A cellular basis for the mammalian nocturnal-diurnal switch. *Science (New York, N.Y.)*, 391(6788), eady2822.

Santos JLA, et al. (2026) CCorGsDB: a database for clock correlated genes in the mouse and human central nervous systems. *Npj biological timing and sleep*, 3(1).

Osorio Zambrano MA, et al. (2026) All roads lead to Rome: integrated physiological and transcriptomic analysis of cacao drought response reveals different ways to achieve tolerance in two hybrid clones. *Frontiers in plant science*, 17, 1764400.