# **Resource Summary Report**

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# gProfiler2

RRID:SCR\_018190

Type: Tool

## **Proper Citation**

gProfiler2 (RRID:SCR\_018190)

#### **Resource Information**

URL: https://biit.cs.ut.ee/gprofiler/page/r

**Proper Citation:** gProfiler2 (RRID:SCR\_018190)

**Description:** Software R interface to g:Profiler. Uses publicly available APIs of g:Profiler web tool which ensures that results from all of interfaces are consistent. Used for gene list functional enrichment analysis and namespace conversion. gprofiler2 package supports all the same organisms, namespaces and data sources as the web tool.

Synonyms: gprofiler2

Resource Type: software resource, data analysis software, software application, data

processing software

**Defining Citation: PMID:31066453** 

Keywords: Gene list, functional enrichment analysis, namespace conversion, data, analysis

Funding: Estonian Research Council grants;

European Regional Development Fund for CoE of Estonian ICT research EXCITE projects

Availability: Free, Available for download, Freely available

Resource Name: gProfiler2

Resource ID: SCR\_018190

**Record Creation Time: 20220129T080339+0000** 

**Record Last Update:** 20250514T061831+0000

### **Ratings and Alerts**

No rating or validation information has been found for gProfiler2.

No alerts have been found for gProfiler2.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 43 mentions in open access literature.

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

Migliaccio G, et al. (2024) Methylation and transcriptomic profiling reveals short term and long term regulatory responses in polarized macrophages. Computational and structural biotechnology journal, 25, 143.

Littleton SH, et al. (2024) Variant-to-function analysis of the childhood obesity chr12q13 locus implicates rs7132908 as a causal variant within the 3' UTR of FAIM2. Cell genomics, 4(5), 100556.

Reinhard J, et al. (2024) Neural extracellular matrix regulates visual sensory motor integration. iScience, 27(2), 108846.

Jones EF, et al. (2024) Long-read RNA sequencing identifies region- and sex-specific C57BL/6J mouse brain mRNA isoform expression and usage. bioRxiv: the preprint server for biology.

Roy BG, et al. (2024) A single viral amino acid shapes the root system architecture of a plant host upon virus infection. BMC microbiology, 24(1), 267.

Puvogel S, et al. (2024) Single-Nucleus RNA-Seq Characterizes the Cell Types Along the Neuronal Lineage in the Adult Human Subependymal Zone and Reveals Reduced Oligodendrocyte Progenitor Abundance with Age. eNeuro, 11(3).

Ali N, et al. (2024) 9S1R nullomer peptide induces mitochondrial pathology, metabolic suppression, and enhanced immune cell infiltration, in triple-negative breast cancer mouse model. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 170, 115997.

Limone F, et al. (2024) Single-nucleus sequencing reveals enriched expression of genetic risk factors in extratelencephalic neurons sensitive to degeneration in ALS. Nature aging, 4(7), 984.

Saez-Atienzar S, et al. (2024) Mechanism-free repurposing of drugs for C9orf72-related

ALS/FTD using large-scale genomic data. Cell genomics, 4(11), 100679.

Newsham I, et al. (2024) Early detection and diagnosis of cancer with interpretable machine learning to uncover cancer-specific DNA methylation patterns. Biology methods & protocols, 9(1), bpae028.

Littleton SH, et al. (2023) Variant-to-function analysis of the childhood obesity chr12q13 locus implicates rs7132908 as a causal variant within the 3' UTR of FAIM2. bioRxiv: the preprint server for biology.

van der Werf I, et al. (2023) Detection and targeting of splicing deregulation in pediatric acute myeloid leukemia stem cells. Cell reports. Medicine, 4(3), 100962.

Recto K, et al. (2023) Epigenome-wide DNA methylation association study of circulating IgE levels identifies novel targets for asthma. EBioMedicine, 95, 104758.

Vasudevan NP, et al. (2023) Acss2 Deletion Reveals Functional Versatility via Tissue-Specific Roles in Transcriptional Regulation. International journal of molecular sciences, 24(4).

Gillard BT, et al. (2023) Mobilisation of jerboa kidney gene networks during dehydration and opportunistic rehydration. iScience, 26(9), 107574.

Hoppe MM, et al. (2023) Patterns of Oncogene Coexpression at Single-Cell Resolution Influence Survival in Lymphoma. Cancer discovery, 13(5), 1144.

Leiendecker L, et al. (2023) Human Papillomavirus 42 Drives Digital Papillary Adenocarcinoma and Elicits a Germ Cell-like Program Conserved in HPV-Positive Cancers. Cancer discovery, 13(1), 70.

Schäffner E, et al. (2023) Myelin insulation as a risk factor for axonal degeneration in autoimmune demyelinating disease. Nature neuroscience, 26(7), 1218.

Pich-Bavastro C, et al. (2023) Activin A-Mediated Polarization of Cancer-Associated Fibroblasts and Macrophages Confers Resistance to Checkpoint Immunotherapy in Skin Cancer. Clinical cancer research: an official journal of the American Association for Cancer Research, 29(17), 3498.

Zakrzewska-Placzek M, et al. (2023) The nucleolar protein NOL12 is required for processing of large ribosomal subunit rRNA precursors in Arabidopsis. BMC plant biology, 23(1), 538.