

Resource Summary Report

Generated by [SPARC SAWG](#) on Sep 12, 2026

GOEx - Gene Ontology Explorer

RRID:SCR_005779

Type: Tool

Proper Citation

GOEx - Gene Ontology Explorer (RRID:SCR_005779)

Resource Information

URL: <http://www.patternlabforproteomics.org/>

Proper Citation: GOEx - Gene Ontology Explorer (RRID:SCR_005779)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented July 5, 2018. Gene Ontology Explorer (GOEx) combines data from protein fold changes with GO over-representation statistics to help draw conclusions in proteomic experiments. It is tightly integrated within the PatternLab for Proteomics project and, thus, lies within a complete computational environment that provides parsers and pattern recognition tools designed for spectral counting. GOEx offers three independent methods to query data: an interactive directed acyclic graph, a specialist mode where key words can be searched, and an automatic search. A recent hack included in GOEx is to load the sparse matrix index file directly into GOEx, instead of going through the report generation using the AC/T-fold methods. This makes it easy for GOEx to analyze any list of proteins as long as the list follows the index file format (described in manuscript) . Please note that if using this alternative strategy, there will be no protein fold information. Platform: Windows compatible

Abbreviations: GOEx

Synonyms: Gene Ontology Explorer, GO Explorer

Resource Type: software resource

Defining Citation: [PMID:19239707](#)

Keywords: proteomics, visualization, statistical analysis, gene ontology, parse, pattern recognition, spectral counting, analysis, protein fold

Funding: CNPq ;
CAPES ;
FAPERJ BBP grant ;
PAPES ;

PDTIS ;
Ary Frauzino Foundation ;
NIAID ;
NIH ;
genesis molecular biology laboratory ;
Fiocruz-INCA collaboration ;
NIAID UCSD/MCB0237059;
NCRR P41RR011823;
NIMH 5R01 MH067880

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: GOEx - Gene Ontology Explorer

Resource ID: SCR_005779

Alternate IDs: nlx_149249

Old URLs: <http://pcarvalho.com/patternlab/goex.shtml>

Record Creation Time: 20220129T080232+0000

Record Last Update: 20260912T195631+0000

Ratings and Alerts

No rating or validation information has been found for GOEx - Gene Ontology Explorer.

No alerts have been found for GOEx - Gene Ontology Explorer.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

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

Camillo-Andrade AC, et al. (2026) Quinoa bioester application shifts human skin proteome toward molecular profiles associated with younger age. Communications biology, 9(1).

Martins AMA, et al. (2026) Proteomic dataset of MECP2-deficient and wild-type human brain organoids under spaceflight and ground conditions. Scientific data, 13(1).

Jozefowicz LJ, et al. (2026) Fungal Extracellular Vesicles are Recoverable Across Variable Ultracentrifugation Speeds but Display Species-specific Profiles of Sedimentation. The Journal of membrane biology, 259(1).

Rossello J, et al. (2025) FhaA plays a key role in mycobacterial polar elongation and asymmetric growth. *mBio*, 16(3), e0252624.

Tempone AJ, et al. (2025) Comparative Gut Proteome of *Nyssomyia umbratilis* from Leishmaniasis Endemic and Non-Endemic Areas of Amazon Reveals Differences in Microbiota and Proteins Related to Immunity and Gut Function. *Microorganisms*, 13(6).

Santos RT, et al. (2025) Cardioprotective effects of extracellular vesicles from hypoxia-preconditioned mesenchymal stromal cells in experimental pulmonary arterial hypertension. *Stem cell research & therapy*, 16(1), 466.

de Oliveira Veloso Rezende J, et al. (2024) A dataset for developing proteomic tools for pathogen detection via differential cell lysis of whole blood samples. *Scientific data*, 11(1), 1105.

Tarallo D, et al. (2024) Mitofusin 1 silencing decreases the senescent associated secretory phenotype, promotes immune cell recruitment and delays melanoma tumor growth after chemotherapy. *Scientific reports*, 14(1), 909.

Brasileiro-Martins LM, et al. (2024) Urinary proteomics reveals biological processes related to acute kidney injury in *Bothrops atrox* envenomings. *PLoS neglected tropical diseases*, 18(3), e0012072.

Bombaça ACS, et al. (2024) Heme metabolism in *Strigomonas culicis*: Implications of H₂O₂ resistance induction and symbiont elimination. *The Journal of biological chemistry*, 300(9), 107692.

González MJ, et al. (2024) First report on the physicochemical and proteomic characterization of *Proteus mirabilis* outer membrane vesicles under urine-mimicking growth conditions: comparative analysis with *Escherichia coli*. *Frontiers in microbiology*, 15, 1493859.

Camillo-Andrade AC, et al. (2024) Intra-Individual Paired Mass Spectrometry Dataset for Decoding Solar-Induced Proteomic Changes in Facial Skin. *Scientific data*, 11(1), 441.

Ferreira MdS, et al. (2024) α -1,3-Glucan recognition by *Acanthamoeba castellanii* as a putative mechanism of amoeba-fungal interactions. *Applied and environmental microbiology*, 90(2), e0173623.

Tosar JP, et al. (2022) Exomeres and Supermeres: monolithic or diverse? *Journal of extracellular biology*, 1(6).

Ferreira MDS, et al. (2022) Recognition of Cell Wall Mannosylated Components as a Conserved Feature for Fungal Entrance, Adaptation and Survival Within Trophozoites of *Acanthamoeba castellanii* and Murine Macrophages. *Frontiers in cellular and infection microbiology*, 12, 858979.

de Lima JY, et al. (2022) Cross-linking mass spectrometry reveals structural insights of the glutamine synthetase from *Leishmania braziliensis*. *Memorias do Instituto Oswaldo Cruz*, 116, e210209.

Chalar C, et al. (2021) Embryonic developmental arrest in the annual killifish *Austrolebias charrua*: A proteomic approach to diapause III. *PloS one*, 16(6), e0251820.

Bonilauri B, et al. (2021) Proteogenomic Analysis Reveals Proteins Involved in the First Step of Adipogenesis in Human Adipose-Derived Stem Cells. *Stem cells international*, 2021, 3168428.

González LJ, et al. (2021) Synthesis, LC-MS/MS analysis, and biological evaluation of two vaccine candidates against ticks based on the antigenic P0 peptide from *R. sanguineus* linked to the p64K carrier protein from *Neisseria meningitidis*. *Analytical and bioanalytical chemistry*, 413(23), 5885.

Rivera B, et al. (2020) Quantitative proteomic dataset from oro- and naso-pharyngeal swabs used for COVID-19 diagnosis: Detection of viral proteins and host's biological processes altered by the infection. *Data in brief*, 32, 106121.