

Resource Summary Report

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ExPASy Bioinformatics Resource Portal

RRID:SCR_012880

Type: Tool

Proper Citation

ExPASy Bioinformatics Resource Portal (RRID:SCR_012880)

Resource Information

URL: <http://expasy.org/>

Proper Citation: ExPASy Bioinformatics Resource Portal (RRID:SCR_012880)

Description: Portal which provides access to scientific databases and software tools (i.e., resources) in different areas of life sciences including proteomics, genomics, phylogeny, systems biology, population genetics, transcriptomics etc. It contains resources from many different SIB groups as well as external institutions.

Abbreviations: ExPASy

Synonyms: Bioinformatics Resource Portal, SIB Bioinformatics Resource Portal, Expert Protein Analysis System

Resource Type: portal, data or information resource

Defining Citation: [PMID:22661580](#), [PMID:12824418](#), [PMID:8073505](#)

Keywords: proteomics, genomics, structural bioinformatics, systems biology, phylogeny, evolution, population genetics, transcriptomics, biophysics, imaging, it infrastructure, drug design, protein, resource, portal

Funding: Swiss State Secretariat for Education and Research

Availability: Free, Public

Resource Name: ExPASy Bioinformatics Resource Portal

Resource ID: SCR_012880

Alternate IDs: SCR_015894

License URLs: <http://expasy.org/disclaimer.html>

Record Creation Time: 20220129T080313+0000

Record Last Update: 20260725T191051+0000

Ratings and Alerts

No rating or validation information has been found for ExPASy Bioinformatics Resource Portal.

No alerts have been found for ExPASy Bioinformatics Resource Portal.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6593 mentions in open access literature.

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

Bagchi A, et al. (2025) PDE4 inhibitor rolipram represses hedgehog signaling via ubiquitin-mediated proteolysis of GLI transcription factors to regress breast cancer. *The Journal of biological chemistry*, 301(3), 108239.

Liu X, et al. (2025) The evolution, variation and expression patterns of the annexin gene family in the maize pan-genome. *Scientific reports*, 15(1), 5711.

Liang J, et al. (2025) Molecular insights into the antifreeze mechanism of collagen peptides based on their interaction with ice crystals. *Food chemistry: X*, 26, 102334.

Liu D, et al. (2025) Genome-wide characterization and expression analysis of the bHLH gene family in response to abiotic stresses in *Zingiber officinale* Roscoe. *BMC genomics*, 26(1), 143.

Zhang J, et al. (2025) *Eucalyptus grandis* WRKY genes provide insight into the role of arbuscular mycorrhizal symbiosis in defense against *Ralstonia solanacearum*. *Frontiers in plant science*, 16, 1510196.

Li J, et al. (2025) Genome-wide identification and analysis of the UBA2 gene family in wheat (*Triticum aestivum* L.). *BMC genomics*, 26(1), 180.

Yang XY, et al. (2025) The microenvironment cell index is a novel indicator for the prognosis and therapeutic regimen selection of cancers. *Journal of translational medicine*, 23(1), 61.

Efrati Epchtien R, et al. (2025) Characterization of Enterobacterales growing on selective CPE screening plates with a focus on non-carbapenemase-producing strains. *Microbiology spectrum*, 13(2), e0207924.

Smith JR, et al. (2025) Standardized pipelines support and facilitate integration of diverse datasets at the Rat Genome Database. Database : the journal of biological databases and curation, 2025.

Tian Z, et al. (2025) Genome-wide identification and analysis of the NF-Y transcription factor family reveal its potential roles in tobacco (*Nicotiana tabacum* L.). Plant signaling & behavior, 20(1), 2451700.

Grover V, et al. (2025) Development of Synthetic Antimicrobial Peptides Based on Genomic Analysis of *Streptococcus salivarius*. Journal of clinical laboratory analysis, 39(4), e25156.

Janiszewska N, et al. (2025) Protein Orientation and Polymer Phase Separation Induced by Poly(methyl methacrylate) Tacticity. Langmuir : the ACS journal of surfaces and colloids, 41(5), 3549.

Osozawa S, et al. (2025) Quaternary Radiation of Spring Ephemerals. Plant-environment interactions (Hoboken, N.J.), 6(1), e70021.

Rozas-Serri M, et al. (2025) PRV-1b and PRV-3a infection is associated with the same clinical disease in coho salmon (*Oncorhynchus kisutch*) farmed in Chile: unraveling the pathogenesis of the orthoreoviral cardiomyopathy and hemolytic jaundice (OCHJ). Veterinary research, 56(1), 17.

Jeyaraj A, et al. (2025) The regulation of auxin receptor gene CsAFB2 by csn-miR393a confers resistance against *Colletotrichum gloeosporioides* in tea plants. Molecular plant pathology, 26(4), e13499.

Kim H, et al. (2025) Mitochondrial targeting of *Candida albicans* SPFH proteins and requirement of stomatins for SDS-induced stress tolerance. Microbiology spectrum, 13(1), e0173324.

Szeto JA, et al. (2025) Dynamic RNA binding and unfolding by nonsense-mediated mRNA decay factor UPF2. RNA (New York, N.Y.), 31(7), 933.

Lagunas-Rangel FA, et al. (2025) *Giardia fibrillarin*: a bioinformatics exploration of sequence and structure. Journal of applied genetics, 66(1), 241.

Lu J, et al. (2025) Whole-Genome Identification of the Flax Fatty Acid Desaturase Gene Family and Functional Analysis of the LuFAD2.1 Gene Under Cold Stress Conditions. Plant, cell & environment, 48(3), 2221.

Forsberg Z, et al. (2025) A modular enzyme with combined hemicellulose-removing and LPMO activity increases cellulose accessibility in softwood. The FEBS journal, 292(1), 75.