Resource Summary Report

Generated by NIF on May 6, 2025

MaxQuant

RRID:SCR_014485
Type: Tool

Proper Citation

MaxQuant (RRID:SCR_014485)

Resource Information

URL: http://www.biochem.mpg.de/5111795/maxquant

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Description: A quantitative proteomics software package for analyzing large-scale mass-spectrometric data sets. It is a set of algorithms that include peak detection and scoring of peptides, mass calibration, database searches for protein identification, protein quantification, and provides summary statistics.

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

Defining Citation: PMID:19029910, PMID:25059623

Keywords: mass spectrometry analysis software, proteomics software, mass calibration, protein identification, protein quantification, FASEB list

Funding:

Resource Name: MaxQuant

Resource ID: SCR_014485

Record Creation Time: 20220129T080320+0000

Record Last Update: 20250506T061332+0000

Ratings and Alerts

No rating or validation information has been found for MaxQuant.

No alerts have been found for MaxQuant.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 10869 mentions in open access literature.

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

Bryan E, et al. (2025) Nucleosomal asymmetry shapes histone mark binding and promotes poising at bivalent domains. Molecular cell, 85(3), 471.

Li G, et al. (2025) Progranulin deficiency associates with postmenopausal osteoporosis via increasing ubiquitination of estrogen receptor ?. Genes & diseases, 12(1), 101221.

Jokesch P, et al. (2025) Identification of plasma proteins binding oxidized phospholipids using pull-down proteomics and OxLDL masking assay. Journal of lipid research, 66(1), 100704.

Liu J, et al. (2025) Decellularized liver scaffolds for constructing drug-metabolically functional ex vivo human liver models. Bioactive materials, 43, 162.

Li D, et al. (2025) MicroEpitope: an atlas of immune epitopes derived from cancer microbiomes. Nucleic acids research, 53(D1), D1435.

Xiang Z, et al. (2025) Targeting the NOTCH2/ADAM10/TCF7L2 Axis-Mediated Transcriptional Regulation of Wnt Pathway Suppresses Tumor Growth and Enhances Chemosensitivity in Colorectal Cancer. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(3), e2405758.

Guo Y, et al. (2025) Single-Cell Multi-Omics Analysis of In Vitro Post-Ovulatory-Aged Oocytes Revealed Aging-Dependent Protein Degradation. Molecular & cellular proteomics : MCP, 24(1), 100882.

Wei W, et al. (2025) Beclin 1 prevents ISG15-mediated cytokine storms to secure fetal hematopoiesis and survival. The Journal of clinical investigation, 135(3).

Koning HJ, et al. (2025) Structural plasticity of the coiled-coil interactions in human SFPQ. Nucleic acids research, 53(2).

Van der Pijl RJ, et al. (2025) Increased cardiac myosin super-relaxation as an energy saving mechanism in hibernating grizzly bears. Molecular metabolism, 92, 102084.

Mukherjee R, et al. (2025) Serine ubiquitination of SQSTM1 regulates NFE2L2-dependent redox homeostasis. Autophagy, 21(2), 407.

Nguyen TP, et al. (2025) Diagnosis of invasive encapsulated follicular variant papillary thyroid carcinoma by protein-based machine learning. Journal of pathology and translational medicine, 59(1), 39.

Priego N, et al. (2025) TIMP1 Mediates Astrocyte-Dependent Local Immunosuppression in Brain Metastasis Acting on Infiltrating CD8+ T Cells. Cancer discovery, 15(1), 179.

Lu P, et al. (2025) RecA deletion disrupts protein homeostasis, leading to deamidation, oxidation, and impaired glycolysis in Cronobacter sakazakii. Applied and environmental microbiology, 91(1), e0197124.

Li K, et al. (2025) Strategic Acyl Carrier Protein Engineering Enables Functional Type II Polyketide Synthase Reconstitution In Vitro. ACS chemical biology, 20(1), 197.

Quan Z, et al. (2025) Study on the antioxidant and antiosteoporotic activities of the oyster peptides prepared by ultrasound-assisted enzymatic hydrolysis. Ultrasonics sonochemistry, 112, 107211.

György B, et al. (2025) The protein cargo of extracellular vesicles correlates with the epigenetic aging clock of exercise sensitive DNAmFitAge. Biogerontology, 26(1), 35.

Hertzog N, et al. (2025) Hypoxia-induced conversion of sensory Schwann cells into repair cells is regulated by HDAC8. Nature communications, 16(1), 515.

Gong F, et al. (2025) H3K14la drives endothelial dysfunction in sepsis-induced ARDS by promoting SLC40A1/transferrin-mediated ferroptosis. MedComm, 6(2), e70049.

Cheng L, et al. (2025) PEBP1 amplifies mitochondrial dysfunction-induced integrated stress response. eLife, 13.