

Resource Summary Report

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MSstats

RRID:SCR_014353

Type: Tool

Proper Citation

MSstats (RRID:SCR_014353)

Resource Information

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

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Description: A package for statistical relative quantification of proteins and peptides in global, targeted, and data-independent proteomics. It handles shotgun, label-free, and label-based Selected Reaction Monitoring, as well as SWATH/DIA (Data Independent Acquisition) experiments. MSStats provide functionality for data processing and visualization, model-based statistical analysis, and model-based sample size calculations.

Synonyms: MSStats

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

Defining Citation: [DOI:10.1186/1471-2105-13-S16-S6](https://doi.org/10.1186/1471-2105-13-S16-S6)

Keywords: data independent acquisition, statistical relative quantification, protein, peptide, data analysis software, data processing, data visualization, proteomics

Funding: National Science Foundation CAREER award 1054826

Availability: Acknowledgement requested, Available for download

Resource Name: MSstats

Resource ID: SCR_014353

Alternate URLs: <http://www.bioconductor.org/packages/release/bioc/html/MSstats.html>

Record Creation Time: 20220129T080320+0000

Record Last Update: 20260905T132746+0000

Ratings and Alerts

No rating or validation information has been found for MSstats.

No alerts have been found for MSstats.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 239 mentions in open access literature.

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

Matsuzawa K, et al. (2026) A preliminary study developing a scoring model incorporating fibrinogen-like protein 2 for predicting glucocorticoid resistance in thyroid eye disease. *Thyroid research*, 19(1).

Banaei-Esfahani A, et al. (2026) LysG-driven transcriptional network rewiring underlies lineage-specific phenotypes in *Mycobacterium tuberculosis*. *Nature communications*, 17(1).

Cornejo FA, et al. (2026) Stress-induced ribosome degradation in *Bacillus subtilis* is mediated by the RNase Y-specificity complex. *Nature communications*, 17(1).

Abouward R, et al. (2026) LAMP1 and LAMP2A localise to axonal organelles with distinct motility dynamics and partially overlapping molecular signatures in human neurons. *Journal of cell science*, 139(3).

Wang S, et al. (2026) Structural basis of TACO1-mediated efficient mitochondrial translation. *Nature communications*, 17(1).

Gao H, et al. (2026) Azoospermia phenotype and scRNA-seq reveal hnRNPK as a factor essential for male germ cell development in mice. *Nucleic acids research*, 54(4).

Vendramin R, et al. (2026) Nonsense-mediated mRNA decay inhibition reshapes the cancer immunopeptidome. *Immunity*, 59(5), 1398.

Jen FE, et al. (2026) Discovery of Ionophoroantibiotics as a New Antibiotic Class Targeting Metal Homeostasis in Multidrug-Resistant *Neisseria gonorrhoeae*. *ACS infectious diseases*, 12(1), 276.

Li X, et al. (2026) A tri-omics and machine learning framework identifies prognostic biomarkers and metabolic signatures in sepsis. *Scientific reports*, 16(1), 6648.

Li Y, et al. (2026) Identification of metabolic pathways associated with cytoplasmic male sterility in cotton (*Gossypium hirsutum* L.) using Data-Independent Acquisition-based proteomic profiling. *BMC plant biology*, 26(1).

Sun VL, et al. (2026) Proteomic profiling of drug and nutrient transporter expression by small intestinal region in neonates, pediatrics, and adults. *bioRxiv : the preprint server for biology*.

Novotny T, et al. (2026) Shared Extracellular Matrix Remodeling and Proteomic Signature in Dupuytren's Disease and Relapsed Clubfoot Tissue. *Cells*, 15(11).

Myers MS, et al. (2026) BMX-001 acts as a selective chemoradioprotector in rectal cancer. *Redox biochemistry and chemistry*, 16.

Murmann AE, et al. (2026) Developing a pan cancer therapy based on DISE-inducing short RNAs. *Molecular therapy. Nucleic acids*, 37(2), 102963.

Campbell Y, et al. (2026) The koala (*Phascolarctos cinereus*) prostate: a proteomic perspective on gland segmentation. *Biology of reproduction*, 114(1), 174.

Glaziou Q, et al. (2026) Mitochondrial and lipid metabolism rewiring during HEV infection. *Cellular and molecular life sciences : CMLS*, 83(1), 56.

Rea-Moreno M, et al. (2026) Unveiling alternate pathways for SARS-CoV-2 infection via extracellular vesicle-mediated transfer of ACE2 and TMPRSS2. *Nature communications*, 17(1).

Vinzant K, et al. (2026) A cell-impermeable kinase inhibitor uncovers outside-in signaling pathways that promote HIV-1 infection. *Journal of virology*, 100(6), e0016026.

Qi D, et al. (2026) High-Dose Sucralose Is Associated With Lacrimal Circadian Remodeling, Reduced Immunometabolic Signatures, and Reduced Tear Secretion. *Investigative ophthalmology & visual science*, 67(5), 11.

Raleigh D, et al. (2026) A proteogenomic RNA processing mechanism drives sex differences in meningioma. *Research square*.