## **Resource Summary Report**

Generated by dkNET on May 12, 2025

# Mass spectrometry imaging workbench

RRID:SCR\_017410

Type: Tool

## **Proper Citation**

Mass spectrometry imaging workbench (RRID:SCR\_017410)

#### **Resource Information**

URL: <a href="https://usegalaxy.eu">https://usegalaxy.eu</a>

**Proper Citation:** Mass spectrometry imaging workbench (RRID:SCR\_017410)

**Description:** Software tool for analysis of mass spectrometry imaging data implemented in Galaxy framework. Provides options to analyze mass spectrometry imaging data in imzML file format, including quality control, visualization, preprocessing, statistical analysis, image co-registration and feature identification. Galaxy docker container for mass spectrometry imaging.

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

**Defining Citation:** DOI:10.1101/628719

**Keywords:** Analysis, mass, spectrometry, imaging, data, Galaxy, framework, imzML, file, quality, control, visualization, statistics, docker, container

**Funding:** 

Availability: Free, Available for download, Freely available

Resource Name: Mass spectrometry imaging workbench

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Alternate URLs: https://github.com/foellmelanie/docker-galaxy-msi,

https://galaxyproject.org/use/msi/

License: MIT license

**Record Creation Time:** 20220129T080335+0000

**Record Last Update:** 20250509T060244+0000

### Ratings and Alerts

No rating or validation information has been found for Mass spectrometry imaging workbench.

No alerts have been found for Mass spectrometry imaging workbench.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 94 mentions in open access literature.

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

Atac D, et al. (2024) Identification and Characterization of ATOH7-Regulated Target Genes and Pathways in Human Neuroretinal Development. Cells, 13(13).

Larivière D, et al. (2023) Scalable, accessible, and reproducible reference genome assembly and evaluation in Galaxy. bioRxiv: the preprint server for biology.

Brislinger-Engelhardt MM, et al. (2023) Temporal Notch signaling regulates mucociliary cell fates through Hes-mediated competitive de-repression. bioRxiv: the preprint server for biology.

Koch DT, et al. (2023) Tigecycline causes loss of cell viability mediated by mitochondrial OXPHOS and RAC1 in hepatocellular carcinoma cells. Journal of translational medicine, 21(1), 876.

Siatra P, et al. (2023) Return of the Tbx5; lineage-tracing reveals ventricular cardiomyocyte-like precursors in the injured adult mammalian heart. NPJ Regenerative medicine, 8(1), 13.

Garcia-Fernandez A, et al. (2023) Antibiotic resistance, plasmids, and virulence-associated markers in human strains of Campylobacter jejuni and Campylobacter coli isolated in Italy. Frontiers in microbiology, 14, 1293666.

Gladkikh AS, et al. (2023) Near complete genome sequences from Southern Vietnam revealed local features of genetic diversity and intergenerational changes in SARS- CoV-2

variants in 2020-2021. BMC infectious diseases, 23(1), 806.

Viljoen N, et al. (2023) A rabies-related lyssavirus from a Nycticeinops schlieffeni bat with neurological signs, South Africa. Microbiology resource announcements, 12(11), e0062123.

Ali O, et al. (2022) Transcriptomic changes induced by applications of a commercial extract of Ascophyllum nodosum on tomato plants. Scientific reports, 12(1), 8042.

Lee DW, et al. (2022) Genomic epidemiology of SARS- CoV-2 Omicron variants in the Republic of Korea. Scientific reports, 12(1), 22414.

Gjaltema RAF, et al. (2022) Distal and proximal cis-regulatory elements sense X chromosome dosage and developmental state at the Xist locus. Molecular cell, 82(1), 190.

Faddetta T, et al. (2021) The endophytic microbiota of Citrus limon is transmitted from seed to shoot highlighting differences of bacterial and fungal community structures. Scientific reports, 11(1), 7078.

Gessara I, et al. (2021) Highly Efficient Genome Modification of Cultured Primordial Germ Cells with Lentiviral Vectors to Generate Transgenic Songbirds. Stem cell reports, 16(4), 784.

Kuzmanovska M, et al. (2021) A Comprehensive Molecular and Epidemiological Characterization of Influenza Viruses Circulating 2016-2020 in North Macedonia. Frontiers in microbiology, 12, 713408.

Lorentzen SB, et al. (2021) Genomic and Proteomic Study of Andreprevotia ripae Isolated from an Anthill Reveals an Extensive Repertoire of Chitinolytic Enzymes. Journal of proteome research, 20(8), 4041.

Lamas A, et al. (2021) Complete Genome Sequences of Six Salmonella enterica Strains (S. enterica subsp. arizonae, S. enterica subsp. diarizonae, and S. enterica subsp. salamae) Isolated from Poultry Houses. Microbiology resource announcements, 10(41), e0076821.

Link T, et al. (2021) The diversity among the species Tetragenococcus halophilus including new isolates from a lupine seed fermentation. BMC microbiology, 21(1), 320.

Lopez-Delisle L, et al. (2021) pyGenomeTracks: reproducible plots for multivariate genomic datasets. Bioinformatics (Oxford, England), 37(3), 422.

Villa T, et al. (2021) Data from crosslinking and analysis of cDNAs (CRAC) of Nab3 in yeast cells expressing a circular ncRNA decoy. Data in brief, 35, 106951.

Mauer KM, et al. (2021) Genomics and transcriptomics of epizoic Seisonidea (Rotifera, syn. Syndermata) reveal strain formation and gradual gene loss with growing ties to the host. BMC genomics, 22(1), 604.