

Resource Summary Report

Generated by SPARC SAWG on Jul 28, 2026

X!Tandem

RRID:SCR_015645

Type: Tool

Proper Citation

X!Tandem (RRID:SCR_015645)

Resource Information

URL: <http://www.thegpm.org/tandem/>

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Description: Software tool that can match tandem mass spectra with peptide sequences, in process known as protein identification. Database search engine for matching tandem mass spectra with protein sequences. Command line tool for matching tandem mass spectra with peptide sequences.

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

Keywords: Search engine, command line tool, matching tandem mass spectra, peptide sequence, protein sequence, protein identification, tandem mass spectrum, xml file, FASEB list

Availability: Free, Available for download, Freely available

Resource Name: X!Tandem

Resource ID: SCR_015645

Alternate IDs: SCR_018388

License: Artistic License 1.0

Record Creation Time: 20220129T080326+0000

Record Last Update: 20260728T043510+0000

Ratings and Alerts

No rating or validation information has been found for X!Tandem.

No alerts have been found for X!Tandem.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 44 mentions in open access literature.

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

Niksirat H, et al. (2024) The quantification of zebrafish ocular-associated proteins provides hints for sex-biased visual impairments and perception. *Heliyon*, 10(12), e33057.

Stander EA, et al. (2023) The Rauvolfia tetraphylla genome suggests multiple distinct biosynthetic routes for yohimbane monoterpene indole alkaloids. *Communications biology*, 6(1), 1197.

Ghouili E, et al. (2023) Effects of Date Palm Waste Compost Application on Root Proteome Changes of Barley (*Hordeum vulgare* L.). *Plants (Basel, Switzerland)*, 12(3).

Ezzeldin S, et al. (2023) Detection of early prognostic biomarkers for metastasis of Ewing's sarcoma in pediatric patients. *Life sciences*, 334, 122237.

Chen FW, et al. (2022) Activation of mitochondrial TRAP1 stimulates mitochondria-lysosome crosstalk and correction of lysosomal dysfunction. *iScience*, 25(9), 104941.

Prola A, et al. (2021) Cardiolipin content controls mitochondrial coupling and energetic efficiency in muscle. *Science advances*, 7(1).

Bednarz B, et al. (2021) Coelimycin Synthesis Activatory Proteins Are Key Regulators of Specialized Metabolism and Precursor Flux in *Streptomyces coelicolor* A3(2). *Frontiers in microbiology*, 12, 616050.

Yesmin F, et al. (2021) Ganglioside GD2 Enhances the Malignant Phenotypes of Melanoma Cells by Cooperating with Integrins. *International journal of molecular sciences*, 23(1).

Millan-Oropeza A, et al. (2020) Expression of genes of the Pho regulon is altered in *Streptomyces coelicolor*. *Scientific reports*, 10(1), 8492.

Zámocký M, et al. (2020) Hybrid Heme Peroxidases from Rice Blast Fungus *Magnaporthe oryzae* Involved in Defence against Oxidative Stress. *Antioxidants (Basel, Switzerland)*, 9(8).

Belouah I, et al. (2020) Transcriptomic and proteomic data in developing tomato fruit. *Data in brief*, 28, 105015.

Duruflé H, et al. (2019) Transcriptomic and cell wall proteomic datasets of rosettes and floral stems from five *Arabidopsis thaliana* ecotypes grown at optimal or sub-optimal

temperature. Data in brief, 27, 104581.

Fabre F, et al. (2019) Unbalanced Roles of Fungal Aggressiveness and Host Cultivars in the Establishment of the Fusarium Head Blight in Bread Wheat. *Frontiers in microbiology*, 10, 2857.

Bancel E, et al. (2019) Proteomic Data Integration Highlights Central Actors Involved in Einkorn (*Triticum monococcum* ssp. *monococcum*) Grain Filling in Relation to Grain Storage Protein Composition. *Frontiers in plant science*, 10, 832.

Voisin AS, et al. (2019) Early-life exposure to the endocrine disruptor 17- β -ethinylestradiol induces delayed effects in adult brain, liver and ovotestis proteomes of a self-fertilizing fish. *Journal of proteomics*, 194, 112.

Chern YJ, et al. (2019) The interaction between SPARC and GRP78 interferes with ER stress signaling and potentiates apoptosis via PERK/eIF2 γ and IRE1 α /XBP-1 in colorectal cancer. *Cell death & disease*, 10(7), 504.

Durand TC, et al. (2019) Combined Proteomic and Metabolomic Profiling of the *Arabidopsis thaliana* vps29 Mutant Reveals Pleiotropic Functions of the Retromer in Seed Development. *International journal of molecular sciences*, 20(2).

Li H, et al. (2019) Quantitative proteomic analysis reveals the ethanologenic metabolism regulation of *Ethanoligenens harbinense* by exogenous ethanol addition. *Biotechnology for biofuels*, 12, 166.

Raynal JT, et al. (2018) Identification of membrane-associated proteins with pathogenic potential expressed by *Corynebacterium pseudotuberculosis* grown in animal serum. *BMC research notes*, 11(1), 73.

Esaki N, et al. (2018) ASC amino acid transporter 2, defined by enzyme-mediated activation of radical sources, enhances malignancy of GD2-positive small-cell lung cancer. *Cancer science*, 109(1), 141.