Resource Summary Report

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MetabolomeExpress

RRID:SCR_014670
Type: Tool

Proper Citation

MetabolomeExpress (RRID:SCR_014670)

Resource Information

URL: https://www.metabolome-express.org

Proper Citation: MetabolomeExpress (RRID:SCR_014670)

Description: A metabolomics database which contains GC/MS metabolomics datasets. General users can search a curated annotated metabolite database, a metabolite response statistics database, experimental datasets, and uncurated repositories. Registered users can use Metabolome Express for data processing and management.

Abbreviations: Mx

Synonyms: metabolomexpress.org, Metabolome Express (Mx)

Resource Type: database, data or information resource

Keywords: metabolomics, database, metabolite, data processing, data management, repository, data set

Funding:

Availability: Free for non commercial purposes, Available to the metabolomics community, Free registration for the metabolomics community

Resource Name: MetabolomeExpress

Resource ID: SCR_014670

Record Creation Time: 20220129T080321+0000

Record Last Update: 20250412T055822+0000

Ratings and Alerts

No rating or validation information has been found for MetabolomeExpress.

No alerts have been found for MetabolomeExpress.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Li Y, et al. (2022) The mitochondrial LYR protein SDHAF1 is required for succinate dehydrogenase activity in Arabidopsis. The Plant journal : for cell and molecular biology, 110(2), 499.

Fairweather SJ, et al. (2021) A GC-MS/Single-Cell Method to Evaluate Membrane Transporter Substrate Specificity and Signaling. Frontiers in molecular biosciences, 8, 646574.

Mitchell MC, et al. (2020) Increasing growth and yield by altering carbon metabolism in a transgenic leaf oil crop. Plant biotechnology journal, 18(10), 2042.

Paananen J, et al. (2020) An omics perspective on drug target discovery platforms. Briefings in bioinformatics, 21(6), 1937.

Abadie C, et al. (2019) Plant sulphur metabolism is stimulated by photorespiration. Communications biology, 2, 379.

Yadav AK, et al. (2019) Wheat drought tolerance in the field is predicted by amino acid responses to glasshouse-imposed drought. Journal of experimental botany, 70(18), 4931.

Vanhercke T, et al. (2019) Up-regulation of lipid biosynthesis increases the oil content in leaves of Sorghum bicolor. Plant biotechnology journal, 17(1), 220.

Huang S, et al. (2018) Temperature-dependent metabolic adaptation of Triticum aestivum seedlings to anoxia. Scientific reports, 8(1), 6151.

Javed K, et al. (2018) Development of Biomarkers for Inhibition of SLC6A19 (B?AT1)-A Potential Target to Treat Metabolic Disorders. International journal of molecular sciences, 19(11).

Mitchell M, et al. (2017) Oil Accumulation in Transgenic Potato Tubers Alters Starch Quality

and Nutritional Profile. Frontiers in plant science, 8, 554.

Wedd L, et al. (2017) Developmental and loco-like effects of a swainsonine-induced inhibition of ?-mannosidase in the honey bee, Apis mellifera. PeerJ, 5, e3109.

Carroll AJ, et al. (2015) PhenoMeter: A Metabolome Database Search Tool Using Statistical Similarity Matching of Metabolic Phenotypes for High-Confidence Detection of Functional Links. Frontiers in bioengineering and biotechnology, 3, 106.

Alonso A, et al. (2015) Analytical methods in untargeted metabolomics: state of the art in 2015. Frontiers in bioengineering and biotechnology, 3, 23.

Nakabayashi R, et al. (2014) Enhancement of oxidative and drought tolerance in Arabidopsis by overaccumulation of antioxidant flavonoids. The Plant journal : for cell and molecular biology, 77(3), 367.