# Resource Summary Report

Generated by NIF on May 6, 2025

## Omics Discovery Index

RRID:SCR_010494
Type: Tool

### Proper Citation

Omics Discovery Index (RRID:SCR_010494)

### Resource Information

**URL:** http://www.omicsdi.org/

**Proper Citation:** Omics Discovery Index (RRID:SCR_010494)

**Description:** Portal for dataset discovery across a heterogeneous, distributed group of transcriptomics, genomics, proteomics and metabolomics data resources. These resources span eight repositories in three continents and six organisations, including both open and controlled access data resources.

**Abbreviations:** OmicsDI, DDI, DDICC

**Synonyms:** Omics Discovery Index (OmicsDI)

**Resource Type:** portal, database, data or information resource

**Keywords:** dataset search, knowledge framework, knowledge discovery

**Funding:** NIA 1U24AI117966-01;
NIGMS 1U54GM114833-01

**Availability:** Free, Public

**Resource Name:** Omics Discovery Index

**Resource ID:** SCR_010494

**Alternate IDs:** nlx_158507, SCR_014747

**Record Creation Time:** 20220129T080259+0000

**Record Last Update:** 20250506T061111+0000

## Ratings and Alerts

No rating or validation information has been found for Omics Discovery Index.

No alerts have been found for Omics Discovery Index.

## Data and Source Information

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 26 mentions in open access literature.

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


Deutsch EW, et al. (2023) The ProteomeXchange consortium at 10 years: 2023 update. Nucleic acids research, 51(D1), D1539.

Arenas GA, et al. (2022) Transcriptional and Epigenomic Markers of the Arterial-Venous and Micro/Macro-Vascular Endothelial Heterogeneity within the Umbilical-Placental Bed. International journal of molecular sciences, 23(19).

Dato S, et al. (2021) Omics in a Digital World: The Role of Bioinformatics in Providing New Insights Into Human Aging. Frontiers in genetics, 12, 689824.

Denoyelle L, et al. (2021) VarGoats project: a dataset of 1159 whole-genome sequences to dissect Capra hircus global diversity. Genetics, selection, evolution : GSE, 53(1), 86.

Parolo S, et al. (2021) Reconstruction of the Cytokine Signaling in Lysosomal Storage Diseases by Literature Mining and Network Analysis. Frontiers in cell and developmental biology, 9, 703489.

Kumar Das J, et al. (2021) Data science in unveiling COVID-19 pathogenesis and diagnosis: evolutionary origin to drug repurposing. Briefings in bioinformatics, 22(2), 855.

Rauner M, et al. (2021) Perspective of the GEMSTONE Consortium on Current and Future Approaches to Functional Validation for Skeletal Genetic Disease Using Cellular, Molecular and Animal-Modeling Techniques. Frontiers in endocrinology, 12, 731217.

Fanidis D, et al. (2021) Fibromine is a multi-omics database and mining tool for target discovery in pulmonary fibrosis. Scientific reports, 11(1), 21712.

Bono H, et al. (2020) All of gene expression (AOE): An integrated index for public gene

expression databases. PloS one, 15(1), e0227076.

Subramanian I, et al. (2020) Multi-omics Data Integration, Interpretation, and Its Application. Bioinformatics and biology insights, 14, 1177932219899051.

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

Deutsch EW, et al. (2020) The ProteomeXchange consortium in 2020: enabling 'big data' approaches in proteomics. Nucleic acids research, 48(D1), D1145.

Krassowski M, et al. (2020) State of the Field in Multi-Omics Research: From Computational Needs to Data Mining and Sharing. Frontiers in genetics, 11, 610798.

Labory J, et al. (2020) Multi-Omics Approaches to Improve Mitochondrial Disease Diagnosis: Challenges, Advances, and Perspectives. Frontiers in molecular biosciences, 7, 590842.

Palermo A, et al. (2020) Cloud-based archived metabolomics data: A resource for in-source fragmentation/annotation, meta-analysis and systems biology. Analytical science advances, 1(1), 70.

Loganathan T, et al. (2020) Host transcriptome-guided drug repurposing for COVID-19 treatment: a meta-analysis based approach. PeerJ, 8, e9357.

Dass G, et al. (2020) The omics discovery REST interface. Nucleic acids research, 48(W1), W380.

Tenenbaum JD, et al. (2019) Translational bioinformatics in mental health: open access data sources and computational biomarker discovery. Briefings in bioinformatics, 20(3), 842.

Perez-Riverol Y, et al. (2019) Quantifying the impact of public omics data. Nature communications, 10(1), 3512.

Koleti A, et al. (2018) Data Portal for the Library of Integrated Network-based Cellular Signatures (LINCS) program: integrated access to diverse large-scale cellular perturbation response data. Nucleic acids research, 46(D1), D558.