

Resource Summary Report

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MEtabolomes, TRaits, and INteractions-Knowledge Graph

RRID:SCR_027914

Type: Tool

Proper Citation

MEtabolomes, TRaits, and INteractions-Knowledge Graph (RRID:SCR_027914)

Resource Information

URL: <https://github.com/earth-metabolome-initiative/metrin-kg>

Proper Citation: MEtabolomes, TRaits, and INteractions-Knowledge Graph (RRID:SCR_027914)

Description: Software pipeline for generating knowledge graph integrating emi, trydb, globi datasets. Code for constructing a knowledge graph that integrates enriched metabolite data from Experimental Natural Products Knowledge Graph (ENPKG), LOTUS (available through Wikidata), plant trait data from TRY, and biotic interaction data from Global Biotic Interactions (GloBI). It performs taxonomic alignment against Wikidata records and generates Resource Description Framework (RDF) triples representing taxonomic relationships, traits, and species interactions. The resulting knowledge graph is queryable via a SPARQL (SPARQL Protocol and RDF Query Language) endpoint.

Abbreviations: METRIN-KG

Resource Type: software resource, software toolkit, source code

Defining Citation: [DOI:10.1101/2025.08.20.671289](https://doi.org/10.1101/2025.08.20.671289)

Keywords: Knowledge Graphs, Plant Metabolomes, Plant Traits, Biotic Interactions

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Horizon Europe MICROBES-4-CLIMATE 101131818;
Swiss National Science Foundation Anticipating the Chemistry of Life - IC0010-227830;
Swiss Open Research Data Grants (CHORD) in Open Science I

Availability: Free, Available for download, Freely available,

Resource Name: MEtabolomes, TRaits, and INteractions-Knowledge Graph

Resource ID: SCR_027914

Alternate URLs: https://bio.tools/metrin_kg

License: GNU GPL

Record Creation Time: 20260203T055303+0000

Record Last Update: 20260821T194356+0000

Ratings and Alerts

No rating or validation information has been found for MEtabolomes, TRaits, and INteractions-Knowledge Graph.

No alerts have been found for MEtabolomes, TRaits, and INteractions-Knowledge Graph.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Tandon D, et al. (2026) METRIN-KG: A knowledge graph integrating plant metabolites, traits, and biotic interactions. GigaScience, 15.