Resource Summary Report

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MGnify

RRID:SCR_016429
Type: Tool

Proper Citation

MGnify (RRID:SCR_016429)

Resource Information

URL: https://www.ebi.ac.uk/metagenomics/

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Description: Portal for the analysis and exploration of metagenomic, metatranscriptomic, amplicon and assembly data. Provides functional and taxonomic analyses of user-submitted sequences, as well as analysis of publicly available metagenomic datasets held within the European Nucleotide Archive (ENA).Microbiome analysis resource in 2020.

Synonyms: , MGnify, EBI Metagenomics

Resource Type: data or information resource, data repository, portal, service resource, storage service resource

Defining Citation: PMID:31696235

Keywords: analysis, exploration, metagenomic, metatranscriptomic, amplicon, assembly, data, sequence, ENA, microbial, population, environment, bio.tools

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Availability: Free, Freely available, Training online available

Resource Name: MGnify

Resource ID: SCR_016429

Alternate IDs: r3d100011192, biotools:MGnify

Alternate URLs: https://bio.tools/MGnify, https://doi.org/10.17616/R34W68

Record Creation Time: 20220129T080330+0000

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Ratings and Alerts

No rating or validation information has been found for MGnify.

No alerts have been found for MGnify.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 51 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Burrows PB, et al. (2025) Decoding the chicken gastrointestinal microbiome. BMC microbiology, 25(1), 35.

Wang S, et al. (2025) An Approach to Integrate Metagenomics, Metatranscriptomics and Metaproteomics Data in Public Data Resources. Proteomics, 25(17-18), 33.

Mezhibovsky E, et al. (2025) Grape polyphenols reduce fasting glucose and increase hyocholic acid in healthy humans: a meta-omics study. NPJ science of food, 9(1), 87.

Li P, et al. (2025) Best practices for developing microbiome-based disease diagnostic classifiers through machine learning. Gut microbes, 17(1), 2489074.

Woh PY, et al. (2025) Reevaluation of the gastrointestinal methanogenic archaeome in multiple sclerosis and its association with treatment. Microbiology spectrum, 13(4), e0218324.

Paul JK, et al. (2025) Exploration of Human Skin Phageome to Reveal Endolysins and Novel Antimicrobial Peptides for Therapeutic Applications. MicrobiologyOpen, 14(6), e70115.

Meaden S, et al. (2025) Phage defence-system abundances vary across environments and increase with viral density. Philosophical transactions of the Royal Society of London. Series B, Biological sciences, 380(1934), 20240069.

Hu G, et al. (2025) Chemical modulation of gut bacterial metabolism induces colanic acid and extends the lifespan of nematode and mammalian hosts. PLoS biology, 23(11), e3002749.

Safarchi A, et al. (2025) Understanding dysbiosis and resilience in the human gut microbiome: biomarkers, interventions, and challenges. Frontiers in microbiology, 16, 1559521.

Fierro Morales JC, et al. (2025) Reduced cell-substrate adhesion formation promotes cell migration in Dictyostelium. Molecular biology of the cell, 36(8), ar98.

Durrant MG, et al. (2024) Bridge RNAs direct programmable recombination of target and donor DNA. Nature, 630(8018), 984.

Mora-Salguero D, et al. (2024) Long-term effects of combining anaerobic digestate with other organic waste products on soil microbial communities. Frontiers in microbiology, 15, 1490034.

Zheng W, et al. (2024) Improving deep learning protein monomer and complex structure prediction using DeepMSA2 with huge metagenomics data. Nature methods, 21(2), 279.

Molina-Sánchez MD, et al. (2024) Adaptive immunity of type VI CRISPR-Cas systems associated with reverse transcriptase-Cas1 fusion proteins. Nucleic acids research, 52(22), 14229.

Moeller AH, et al. (2024) Removal of sequencing adapter contamination improves microbial genome databases. BMC genomics, 25(1), 1033.

Fernández-Calvet A, et al. (2024) Gut microbiota produces biofilm-associated amyloids with potential for neurodegeneration. Nature communications, 15(1), 4150.

Tassoulas LJ, et al. (2024) Insights into the action of the pharmaceutical metformin: Targeted inhibition of the gut microbial enzyme agmatinase. iScience, 27(2), 108900.

Rosonovski S, et al. (2024) Europe PMC in 2023. Nucleic acids research, 52(D1), D1668.

Yurekten O, et al. (2024) MetaboLights: open data repository for metabolomics. Nucleic acids research, 52(D1), D640.

Shantaram D, et al. (2024) Obesity-associated microbiomes instigate visceral adipose tissue inflammation by recruitment of distinct neutrophils. Nature communications, 15(1), 5434.