Resource Summary Report

Generated by NIF on Aug 28, 2026

Metastats

RRID:SCR_014610
Type: Tool

Proper Citation

Metastats (RRID:SCR_014610)

Resource Information

URL: http://metastats.cbcb.umd.edu/detection.html

Proper Citation: Metastats (RRID:SCR_014610)

Description: A statistical software package for comparing metagenomic datasets and clinical data sets comprised of two treatment populations, with each treatment population being made up of multiple samples. It relies on a non-parametric t-test.

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

Keywords: microbiome, statistics, software, metagenomics, clinical data, data analysis software, machine learning, web application, bio.tools

Availability: Open source, Acknowledgement requested

Resource Name: Metastats

Resource ID: SCR_014610

Alternate IDs: biotools:metastats

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

Record Creation Time: 20220129T080321+0000

Record Last Update: 20260821T194024+0000

Ratings and Alerts

No rating or validation information has been found for Metastats.

No alerts have been found for Metastats.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 390 mentions in open access literature.

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

Liu YY, et al. (2026) Assessing whether rectal swabs reflect appendiceal microbiota profiles in acute appendicitis: a 16S rRNA-based comparative study. Gut pathogens, 18(1), 10.

Su WH, et al. (2026) Gut microbiota and metabolomic alterations in newborns of mothers with gestational diabetes mellitus. Clinical and experimental pediatrics, 69(1), 26.

Han P, et al. (2026) Salivary Microvesicle Methylome and Microbiome Profiles in Periodontitis: An Exploratory Study. Journal of clinical periodontology, 53(6), 911.

Van Hoeck V, et al. (2026) N-acetylated chito-oligosaccharides and xylanase improve intestinal health and production performance in laying hens. Poultry science, 105(6), 106698.

Ma S, et al. (2026) Synergistic regulation of selenium yeast and vitamin E on the rumen microbiota-VFA-liver axis in lambs. BMC microbiology, 26(1).

Cao L, et al. (2026) Alterations in Oral Cecal Transit Time and Small Intestinal Microbiota in Minimal Hepatic Encephalopathy With Small Intestinal Bacterial Overgrowth. Clinical and translational gastroenterology, 17(5), e01012.

Fang S, et al. (2025) The comparison of gut microbiota between different types of epilepsy in children. Microbial cell factories, 24(1), 64.

Lin X, et al. (2025) Oral exposure to LaNiO3 regulates the immune system, modulates gut flora, and induces intestinal autophagy in mice. Nanoscale advances, 7(16), 5007.

Yu X, et al. (2025) Lower respiratory tract co-infection of Streptococcus pneumoniae and respiratory syncytial virus shapes microbial landscape and clinical outcomes in children. Frontiers in cellular and infection microbiology, 15, 1593053.

Chen X, et al. (2025) Influence of Bacillus subtilis supplementation on growth performance and gut microbial composition in broiler chickens based on low-protein diets. Poultry science, 104(12), 106002.

Liu F, et al. (2025) Isolation of Bacillus cereus and its probiotic effect on growth performance, antioxidant capacity, and intestinal barrier protection of broilers. Poultry science, 104(4), 104944.

Jia X, et al. (2025) Metagenomic analysis reveals the abundance changes of bacterial communities and antibiotic resistance genes in the influent and effluent of hospital

wastewater. PloS one, 20(10), e0335723.

He M, et al. (2025) Mining the Impact of Mechanical-Stamping Heterogeneity on the Macro- and Micro-Levels of Nongxiangxing daqu. Foods (Basel, Switzerland), 14(21).

An L, et al. (2025) Gut microbiota modulation via fecal microbiota transplantation mitigates hyperoxaluria and calcium oxalate crystal depositions induced by high oxalate diet. Gut microbes, 17(1), 2457490.

Khan I, et al. (2025) Integrated analysis of blood microbiome and metabolites reveals key biomarkers and functional pathways in myocardial infarction. Journal of translational medicine, 23(1), 797.

Zhang WJ, et al. (2025) Role of gut microbiota in bempedoic acid against hyperlipidemia: a new candidate target for bempedoic acid on the therapeutic regulation. Frontiers in pharmacology, 16, 1584273.

Shi ZH, et al. (2025) Changes in fecal microbiota of dairy cows with and without endometritis. BMC veterinary research, 21(1), 201.

Sun H, et al. (2025) Investigating the correlation between phenotype, cecal microbiome, and serum metabolome in laying ducks with different shell strength. Poultry science, 104(10), 105558.

Wei C, et al. (2025) Aerobic exercise regulates gut microbiota profiles and metabolite in the early stage of Alzheimer's disease. FASEB journal : official publication of the Federation of American Societies for Experimental Biology, 39(2), e70327.

Li P, et al. (2025) Dietary Enterococcus faecium NCIMB 11181 supplementation mitigates intestinal and systemic inflammation induced by avian pathogenic Escherichia coli O78 infection in broiler chickens. Poultry science, 104(11), 105656.