Resource Summary Report

Generated by NIF on Apr 19, 2025

LEfSe

RRID:SCR_014609 Type: Tool

Proper Citation

LEfSe (RRID:SCR_014609)

Resource Information

URL: http://huttenhower.sph.harvard.edu/galaxy

Proper Citation: LEfSe (RRID:SCR_014609)

Description: THIS RESOURCE IS NO LONGER IN SERVICE. Documented on February 28,2023. Algorithm for high-dimensional biomarker discovery and explanation that identifies genes, pathways, or taxa characterizing the differences between two or more biological conditions. The algorithm identifies features that are statistically different among biological classes, then performs additional tests to assess whether these differences are consistent with respect to expected biological behavior. Statistical significance and biological relevance are emphasized.

Synonyms: LDA Effect Size

Resource Type: software resource, algorithm resource

Defining Citation: DOI:10.1186/gb-2011-12-6-r60

Keywords: microbiome, algorithm, biomarker, genomic feature, web application

Funding:

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: LEfSe

Resource ID: SCR_014609

Alternate IDs: OMICS_07818

Alternate URLs: https://sources.debian.org/src/lefse/

Record Creation Time: 20220129T080321+0000

Record Last Update: 20250419T055422+0000

Ratings and Alerts

No rating or validation information has been found for LEfSe.

No alerts have been found for LEfSe.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 6828 mentions in open access literature.

Listed below are recent publications. The full list is available at <u>NIF</u>.

Wu JJ, et al. (2025) Melatonin alleviates high temperature exposure induced fetal growth restriction via the gut-placenta-fetus axis in pregnant mice. Journal of advanced research, 68, 131.

Lin H, et al. (2025) Metagenome-based diversity and functional analysis of culturable microbes in sugarcane. Microbiology spectrum, 13(1), e0198224.

Yunusbayev B, et al. (2025) Gut dysbiosis narrative in psoriasis: matched-pair approach identifies only subtle shifts correlated with elevated fecal calprotectin. Microbiology spectrum, 13(1), e0138224.

Li T, et al. (2025) Multi-omics analysis reveals the interplay between intratumoral bacteria and glioma. mSystems, 10(1), e0045724.

Li Y, et al. (2025) Effects of adding a kind of compound bio-enzyme to the diet on the production performance, serum immunity, and intestinal health of Pekin ducks. Poultry science, 104(1), 104506.

Chero-Sandoval L, et al. (2025) Comparative assessment of phenotypic markers in patients with chronic inflammation: Differences on Bifidobacterium concerning liver status. European journal of clinical investigation, 55(2), e14339.

Hicks C, et al. (2025) Oral, Vaginal, and Stool Microbial Signatures in Patients With Endometriosis as Potential Diagnostic Non-Invasive Biomarkers: A Prospective Cohort

Study. BJOG : an international journal of obstetrics and gynaecology, 132(3), 326.

Wang X, et al. (2025) Diversity and Functional Insights into Endophytic Fungi in Halophytes from West Ordos Desert Ecosystems. Journal of fungi (Basel, Switzerland), 11(1).

Zhang L, et al. (2025) Influence Mechanism of Vermicompost with Different Maturity on Atrazine Catabolism and Bacterial Community. Toxics, 13(1).

You W, et al. (2025) Capsaicin Modulates Ruminal Fermentation and Bacterial Communities in Beef Cattle with High-Grain Diet-Induced Subacute Ruminal Acidosis. Microorganisms, 13(1).

Lv L, et al. (2025) Seasonal Variations in the Structure and Function of the Gut Flora in Adult Male Rhesus Macaques Reared in Outdoor Colonies. Microorganisms, 13(1).

Wang L, et al. (2025) The Combination of Shading and Potassium Application Regulated the Bulb Active Ingredients Accumulation in Fritillaria thunbergii Miq. by Affecting Rhizosphere Microecology. Microorganisms, 13(1).

Vicente-Valor J, et al. (2025) Fecal Microbiota Strongly Correlates with Tissue Microbiota Composition in Colorectal Cancer but Not in Non-Small Cell Lung Cancer. International journal of molecular sciences, 26(2).

Guan JL, et al. (2025) High-dose dual therapy for Helicobacter pylori eradication inducing less impact on the gut microbiota. Gut pathogens, 17(1), 7.

Pagalilauan A, et al. (2025) Interaction with refuse piles is associated with co-occurrence of core gut microbiota in workers of the ant Aphaenogaster picea. Access microbiology, 7(1).

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.

Kennedy EA, et al. (2025) Microbiota assembly of specific pathogen-free neonatal mice. bioRxiv : the preprint server for biology.

Kumar NR, et al. (2025) Distinct Ocular Surface Microbiome in Keratoconus Patients Correlate With Local Immune Dysregulation. Investigative ophthalmology & visual science, 66(1), 60.

Lv L, et al. (2025) Quinazolinone Derivative MR2938 Protects DSS-Induced Barrier Dysfunction in Mice Through Regulating Gut Microbiota. Pharmaceuticals (Basel, Switzerland), 18(1).

Bongiovanni D, et al. (2025) Impact of urbanization on antimicrobial resistance in soil microbial communities. Scientific reports, 15(1), 633.