Resource Summary Report

Generated by RRID on May 17, 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: 20250513T061545+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>RRID</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.

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.

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

You H, et al. (2025) Unravelling distinct patterns of metagenomic surveillance and respiratory microbiota between two P1 genotypes of Mycoplasma pneumoniae. Emerging microbes & infections, 14(1), 2449087.

Ding J, et al. (2025) Depth heterogeneity of lignin-degrading microbiome and organic carbon processing in mangrove sediments. NPJ biofilms and microbiomes, 11(1), 5.

Liu Z, et al. (2025) The sow vaginal and gut microbiota associated with longevity and reproductive performance. Journal of animal science and biotechnology, 16(1), 6.

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

Mai Z, et al. (2025) Intra-tumoral sphingobacterium multivorum promotes triple-negative breast cancer progression by suppressing tumor immunosurveillance. Molecular cancer, 24(1), 6.

Sundararajan P, et al. (2025) The impact of spray-induced gene silencing on cereal phyllosphere microbiota. Environmental microbiome, 20(1), 1.

Zhu H, et al. (2025) The gut microbiota-SCFA-inflammation axis in patients with AECOPD. PloS one, 20(1), e0312606.

Kasahara K, et al. (2025) Gut microbes modulate the effects of the flavonoid quercetin on atherosclerosis. NPJ biofilms and microbiomes, 11(1), 12.

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).

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

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).

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