Resource Summary Report

Generated by RRID on Aug 4, 2026

MaAsLin2

RRID:SCR_023241
Type: Tool

Proper Citation

MaAsLin2 (RRID:SCR_023241)

Resource Information

URL: https://bioconductor.org/packages/release/bioc/html/Maaslin2.html

Proper Citation: MaAsLin2 (RRID:SCR_023241)

Description: SoftwareR package that identifies microbial taxa correlated with factors of interest using generalized linear models and mixed models.Used for efficiently determining multivariable association between clinical metadata and microbial meta'omic features.

Resource Type: software toolkit, software resource

Defining Citation: DOI:10.1371/journal.pcbi.1009442

Keywords: Microbiome Multivariable Associations with Linear Models,

Funding: NSF DEB-2028280;
NIAID U19AI110820;
NHGRI R01HG005220;
NIDDK R24DK110499;
NIDDK U54DK102557

Availability: Free, Available for download, Freely available

Resource Name: MaAsLin2

Resource ID: SCR_023241

Alternate URLs: https://huttenhower.sph.harvard.edu/maaslin/

License: MIT license

Record Creation Time: 20230207T050158+0000

Record Last Update: 20260803T040854+0000

Ratings and Alerts

No rating or validation information has been found for MaAsLin2.

No alerts have been found for MaAsLin2.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 170 mentions in open access literature.

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

de Albuquerque Lemos DE, et al. (2026) Synbiotic Nutraceutical Mitigates Gestational Diabetes Effects and Cardiovascular Dysfunction in Rat Offspring. Molecular nutrition & food research, 70(1), e70340.

Yu S, et al. (2025) Identification of a 10-species microbial signature of inflammatory bowel disease by machine learning and external validation. Cell regeneration (London, England), 14(1), 32.

Peng Q, et al. (2025) In vivo systematic analysis of microbiota-prebiotic crosstalk reveals a synbiotic that effectively ameliorates DSS-induced colitis in mice. Gut microbes, 17(1), 2541028.

Ji S, et al. (2025) Engrafting gut bacteriophages have potential to modulate microbial metabolism in fecal microbiota transplantation. Microbiome, 13(1), 149.

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.

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.

Zhang X, et al. (2025) Intestinal TM6SF2 protects against metabolic dysfunction-associated steatohepatitis through the gut-liver axis. Nature metabolism, 7(1), 102.

Jardon KM, et al. (2025) Distinct gut microbiota and metabolome features of tissue-specific insulin resistance in overweight and obesity. Gut microbes, 17(1), 2501185.

Temmermans J, et al. (2025) Agricultural practices and pollinators modulate the anthosphere microbiome. ISME communications, 5(1), ycaf026.

Charlesson B, et al. (2025) Training load influences gut microbiome of highly trained rowing athletes. Journal of the International Society of Sports Nutrition, 22(1), 2507952.

Fan J, et al. (2025) Potential roles of cigarette smoking on gut microbiota profile among Chinese men. BMC medicine, 23(1), 25.

Wong MK, et al. (2025) Microbial Ecosystem Therapeutics 4 (MET4) elicits treatment-specific IgG responses associated with changes in gut microbiota in immune checkpoint inhibitor recipients with advanced solid tumors. Journal for immunotherapy of cancer, 13(3).

Pirola CJ, et al. (2025) Metabolic dysfunction-associated steatotic liver disease exhibits sex-specific microbial heterogeneity within intestinal compartments. Clinical and molecular hepatology, 31(1), 179.

Wagner J, et al. (2025) Early-life gut microbiome associates with positive vaccine take and shedding in neonatal schedule of the human neonatal rotavirus vaccine RV3-BB. Nature communications, 16(1), 3432.

Prajapati SK, et al. (2025) Protection of Alzheimer's disease progression by a human-origin probiotics cocktail. Scientific reports, 15(1), 1589.

Alhasani AT, et al. (2025) Mode of Action of Psyllium in Reducing Gas Production from Inulin and its Interaction with Colonic Microbiota: A 24-hour, Randomized, Placebo-Controlled Trial in Healthy Human Volunteers. The Journal of nutrition, 155(3), 839.

Schmidt JE, et al. (2025) Optimizing Cocoa Productivity Through Soil Health and Microbiome Enhancement: Insights from Organic Amendments and a Locally Derived Biofertilizer. Microorganisms, 13(6).

Ravelo AD, et al. (2025) Associations between hyperketonemia and the rumen metagenome and metabolome in Holstein cows during the first 2 weeks postpartum. Animal microbiome, 7(1), 59.

Leech SM, et al. (2025) Consensus approach to differential abundance analysis detects few differences in the oral microbiome of pregnant women due to pre-existing type 2 diabetes mellitus. Microbial genomics, 11(4).

Chen AS, et al. (2025) Association of distinct microbial and metabolic signatures with microscopic colitis. Nature communications, 16(1), 4644.