

Resource Summary Report

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[ggpicrust2](#)

RRID:SCR_025965

Type: Tool

Proper Citation

ggpicrust2 (RRID:SCR_025965)

Resource Information

URL: <https://github.com/cafferychen777/ggpicrust2>

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Description: Software R package for analyzing and interpreting results of PICRUST2 functional prediction. Offers range of features, including pathway name/description annotations, advanced differential abundance methods, and visualization of differential abundance results. Used for PICRUST2 predicted functional profile analysis and visualization.

Resource Type: software resource, software toolkit, source code

Defining Citation: [PMID:37527009](#)

Keywords: PICRUST2 predicted functional profile analysis and visualization, analyzing and interpreting results of PICRUST2, PICRUST2 functional prediction, differential abundance visualization,

Funding: NIA 5P30AG072959;
NIDDK 3R01DK042191

Availability: Free, Available for download, Freely available

Resource Name: ggpicrust2

Resource ID: SCR_025965

License: MIT license

Record Creation Time: 20241023T053303+0000

Record Last Update: 20260905T133510+0000

Ratings and Alerts

No rating or validation information has been found for ggpicrust2.

No alerts have been found for ggpicrust2.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Klumpen L, et al. (2026) Cholesterol-lowering effects of oats induced by microbially produced phenolic metabolites in metabolic syndrome: a randomized controlled trial. *Nature communications*, 17(1), 598.

Li W, et al. (2026) Tissue-specific assembly of endophytic microbiota in *Agriophyllum squarrosum* (L.) Moq. *BMC microbiology*, 26(1).

Castro-Severyn J, et al. (2026) Distinct taxonomic signatures in the rhizobiome of two native plants from the polyextreme Salar de Huasco ecosystem. *Environmental microbiome*, 21(1).

Hechter DTD, et al. (2026) Short-term caloric restriction partially reprograms immune and microbial networks during acute DSS-induced colitis. *Genes & nutrition*, 21(1).

Ndhlovu A, et al. (2026) Spatial Patterns and Overlap of Sedimentary and Rhizosphere Microbiomes of the Seagrass *Zostera capensis*. *Environmental microbiology reports*, 18(2), e70313.

De Palma G, et al. (2026) The role of gut microbiota in chronic intestinal pseudo-obstruction: exploring fecal microbiota transplantation as a treatment option. *Gut microbes*, 18(1), 2610597.

Tseng Y, et al. (2026) Intermittent fasting alleviates ulcerative colitis via lithocholic acid-mediated macrophage reprogramming. *Frontiers in nutrition*, 13, 1841890.

Yang J, et al. (2026) Age and sex-dependent tumor microbiome programs shape pancreatic cancer prognosis. *iScience*, 29(7), 116542.

von Ameln Lovison O, et al. (2025) Unveiling the role of the upper respiratory tract microbiome in susceptibility and severity to COVID-19. *Frontiers in cellular and infection microbiology*, 15, 1531084.

M'Bra PEH, et al. (2025) Medium-chain triglycerides and ketogenic diet prevent alterations of the gut microbiome in transgenic Alzheimer's disease mice. *Communications biology*, 8(1), 1814.

Skupa SA, et al. (2025) Gut Microbiome Profiling in E α -TCL1 Mice Reveals Intestinal Changes and a Dysbiotic Signature Specific to Chronic Lymphocytic Leukemia. *Cancer research communications*, 5(8), 1344.

Zhao H, et al. (2025) Spatial heterogeneity determines the gastrointestinal microbiome signatures in Pekin ducks. *Poultry science*, 104(12), 105994.

Sugai K, et al. (2025) A Pilot Study on the Effects of Sweet Potato Petiole and Leaf Powder on Gut Microbiota and Aging-Related Biomarkers in an Aged Microminipig Model. *Metabolites*, 15(11).

Breyer GM, et al. (2025) Enterotoxigenic *Escherichia coli* as a Modulator of the Enteropulmonary Axis in Piglets: Impacts on the Microbiota and Immune Responses. *Transboundary and emerging diseases*, 2025, 8865503.

Núñez-Muñoz LA, et al. (2024) Metagenomic Analysis of Rhizospheric Bacterial Community of Citrus Trees Expressing Phloem-Directed Antimicrobials. *Microbial ecology*, 87(1), 93.

Hernandez AR, et al. (2024) Microbiome-driven alterations in metabolic pathways and impaired cognition in aged female TgF344-AD rats. *Aging brain*, 5, 100119.

Nishiyama M, et al. (2024) Association between gut microbiota and locomotive syndrome risk in healthy Japanese adults: a cross-sectional study. *npj aging*, 10(1), 55.