

Resource Summary Report

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Nonpareil

RRID:SCR_004629

Type: Tool

Proper Citation

Nonpareil (RRID:SCR_004629)

Resource Information

URL: <https://github.com/lmrodriguezr/nonpareil>

Proper Citation: Nonpareil (RRID:SCR_004629)

Description: Estimate average coverage and create Nonpareil curves for metagenomic datasets.

Abbreviations: Nonpareil

Resource Type: software resource

Defining Citation: [PMID:24123672](#)

Funding:

Resource Name: Nonpareil

Resource ID: SCR_004629

Alternate IDs: OMICS_01419

Record Creation Time: 20220129T080225+0000

Record Last Update: 20250420T014229+0000

Ratings and Alerts

No rating or validation information has been found for Nonpareil.

No alerts have been found for Nonpareil.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 68 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Van Goethem MW, et al. (2025) Novel adaptive immune systems in pristine Antarctic soils. *Scientific reports*, 15(1), 2368.

Noell SE, et al. (2025) Antarctic Geothermal Soils Exhibit an Absence of Regional Habitat Generalist Microorganisms. *Environmental microbiology*, 27(1), e70032.

Midot F, et al. (2025) Temporal dynamics of soil microbial C and N cycles with GHG fluxes in the transition from tropical peatland forest to oil palm plantation. *Applied and environmental microbiology*, 91(1), e0198624.

Lee J, et al. (2025) Longitudinal monitoring of sewershed resistomes in socioeconomically diverse urban neighborhoods. *Communications medicine*, 5(1), 7.

Unzueta-Martínez A, et al. (2025) Taxonomic diversity and functional potential of microbial communities in oyster calcifying fluid. *Applied and environmental microbiology*, 91(1), e0109424.

Colman DR, et al. (2024) Covariation of hot spring geochemistry with microbial genomic diversity, function, and evolution. *Nature communications*, 15(1), 7506.

Dede B, et al. (2024) Bacterial chemolithoautotrophy in ultramafic plumes along the Mid-Atlantic Ridge. *The ISME journal*, 18(1).

Roothans N, et al. (2024) Aerobic denitrification as an N₂O source from microbial communities. *The ISME journal*, 18(1).

Ridley RS, et al. (2024) Potential routes of plastics biotransformation involving novel plastizymes revealed by global multi-omic analysis of plastic associated microbes. *Scientific reports*, 14(1), 8798.

Freeman CN, et al. (2024) Temporal metagenomic characterization of microbial community structure and nitrogen modification genes within an activated sludge bioreactor system. *Microbiology spectrum*, 12(1), e0283223.

Behr JH, et al. (2024) Long-term conservation tillage with reduced nitrogen fertilization intensity can improve winter wheat health via positive plant-microorganism feedback in the rhizosphere. *FEMS microbiology ecology*, 100(2).

Yu J, et al. (2024) Niche differentiation in microbial communities with stable genomic traits over time in engineered systems. *The ISME journal*, 18(1).

Zhao XD, et al. (2024) Various microbial taxa couple arsenic transformation to nitrogen and carbon cycling in paddy soils. *Microbiome*, 12(1), 238.

He G, et al. (2024) Sustained bacterial N₂O reduction at acidic pH. *Nature communications*, 15(1), 4092.

Medeiros W, et al. (2024) Unlocking the biosynthetic potential and taxonomy of the Antarctic microbiome along temporal and spatial gradients. *Microbiology spectrum*, 12(6), e0024424.

Li Y, et al. (2024) Genomic insights into redox-driven microbial processes for carbon decomposition in thawing Arctic soils and permafrost. *mSphere*, 9(7), e0025924.

Bezuidt OKI, et al. (2024) Phylogenomic analysis expands the known repertoire of single-stranded DNA viruses in benthic zones of the South Indian Ocean. *ISME communications*, 4(1), ycae065.

Peng X, et al. (2024) Metabolic interdependencies in thermophilic communities are revealed using co-occurrence and complementarity networks. *Nature communications*, 15(1), 8166.

Rubio-Portillo E, et al. (2024) Coral mucus as a reservoir of bacteriophages targeting *Vibrio* pathogens. *The ISME journal*, 18(1).

Filippidou S, et al. (2024) Diversity of Microbial Mats in the Makgadikgadi Salt Pans, Botswana. *Microorganisms*, 12(1).