Working with Microbiome Data?

If you work with **microbial communities,** you likely face these challenges:

- Which microbes are present in my samples – and in what abundance?
- How do community compositions shift across conditions or treatments?
- Which metabolic functions and pathways are enriched or depleted?
- How can I generate reproducible, publication-ready visualizations at scale?

This flyer shows which de.NBI tools can help analyse your microbiome data, step by step.

de.NBI Services in this flyer:

MG-tk

microGalaxy

EMBL MICROBIOME TOOLS

de.NBI – Trusted Tools for Analysing Life Science Data

Get started:

Training | Services | E-Learning

What we Offer

- ✓ Curated tools for genomics, pangenomics, metagenomics, proteomics and more
- ✓ Training, documentation and expert support
- ✓ Access to the de.NBI Cloud
- ✓ Free of charge for academic users

www.denbi.de →

contact@denbi.de

supported by Federal Ministry of Research, Technology and Space

Follow us

de.NBI & ELIXIR Germany
@denbi@mastodon.science
@denbi.bsky.social

de.NBI is the German ELIXIR Node

de.NBI – German Network for Bioinformatics Infrastructure
Coordination Office: Forschungszentrum Jülich (FZJ)

Microbiome Analysis Made Easy

– with de.NBI Tools & Training

Free for academic life scientists

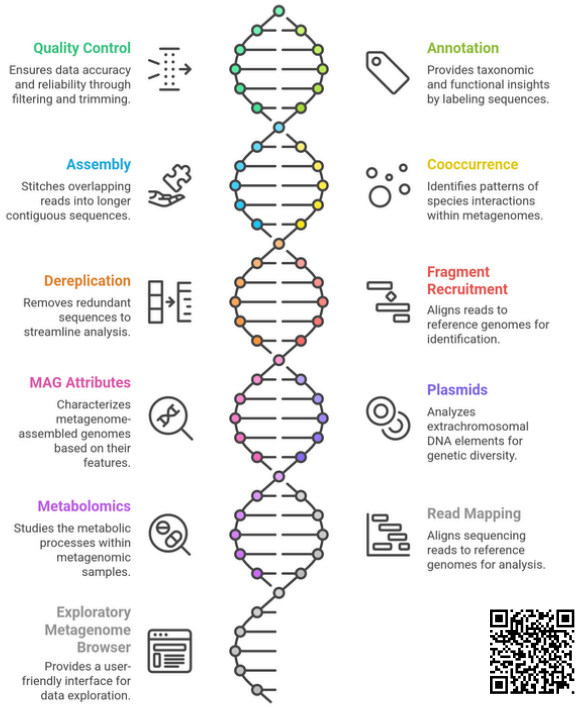
de.NBI

GERMAN NETWORK FOR BIOINFORMATICS INFRASTRUCTURE

Metagenomics-Toolkit

MG-tk

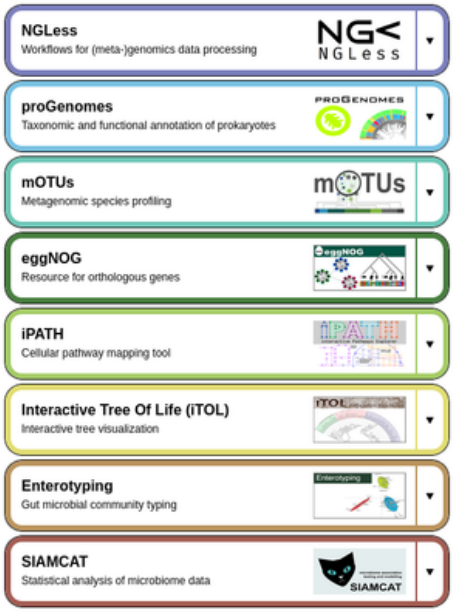
The Metagenomics-toolkit combines novel and established methods for taxonomic and functional microbiome profiling in a reproducible and modular workflow suite.



Microbiome Analysis Toolbox

EMBL MICROBIOME TOOLS

Tools and resources for analysing and interpreting microbiome data.
From identifying and quantifying microorganisms to exploring cellular pathways, phylogenetic relationships and microbial community structure.



Training Opportunities

Metagenomics Training Courses
Hands-on workshops covering the full workflow from raw reads to biological insights and best practices for reproducible microbiome research.

E-learning: Metagenomics Media Library
Self-paced learning with videos, practical examples and workflow guides to strengthen your skills anytime.

Learn from the experts
All courses are developed and taught by researchers who build and maintain de.NBI tools – ensuring accuracy and relevance.

Build your network
Training events offer direct exchange with fellow microbiome researchers across Germany, providing a platform for collaboration and peer support.

microGalaxy

microGalaxy

Browser-based workflows for microbial genomics and microbiome analysis – no installation needed, fully powered by the de.NBI Cloud.

- Easy access: Run analyses directly in the browser.
- Reproducible & scalable: Standardized workflows on de.NBI Cloud infrastructure.

Find a training course for microbiome analysis here:

To the de.NBI E-learning library: