



MicroB Database

- Benefits & features -

Analyze your genomes in their functional context

In Genostar's **MicroB**, biochemical data are directly connected to genomic and proteic annotations. This network of connections between genomes, proteomes and pathways enables scientists to quickly discover relationships, reconstruct metabolic systems and improve understanding of cellular processes.

MicroB provides scientists with the most recent **genomic, proteic and biochemical reference data** available on over 1000 complete microbial organisms. It's the largest integrated database of complete microbial genomes on the market. Data are updated regularly.

MicroB's exceptional structure & design enable you to situate your genomes in this functional context, providing you with a constantly growing and evolving network of valuable information.

Contact Us

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Expand your knowledge base

Save and centralize your data

We understand how important data compatibility, centralization, and accessibility are to research organizations. Much more than a reference database, MicroB enables scientists organizations to build on and centralize their knowledge:

- *You can easily connect and integrate your newly analyzed genomes with the complete genomic, proteic, and biochemical data in MicroB, enriching your database with the addition of each new genome.*
- *Whether you annotate your genomes using Genostar's Metabolic Pathway Builder software or other tools, you can integrate & connect them with all the data in your MicroB.*
- *Your database is augmented in a traceable manner. Your data are centralized and readily available for future reference and analysis.*

Reference data in MicroB is updated regularly to meet the needs of scientists in many areas of life sciences research, ensuring that everyone benefits from the most recent advances.

Advantages

Have the most complete reference data at hand to analyze your sequence and expression data in their functional context.

Explore and compare data easily with our user-friendly **Metabolic Pathway Builder** software.

Add your proprietary genomes to your MicroB database in complete security and confidentiality.

Your data is centralized and readily available for future reference or analysis whenever you or your colleagues need it.

Share your data with a click.

Benefit from regular data updates. We update and enlarge MicroB continuously to meet the needs of scientists in many areas of life sciences research.

Flexible installation solutions. You can install MicroB locally, or let us host it for you via a secure, Web-based connection.

Build Blast databanks. Take advantage of a wide range of options for building Blast databanks using MicroB and our Metabolic Pathway Builder software.

Data types

To discover the **data types** in MicroB, please visit our site at www.genostar.com or send us an email at info@genostar.com

Customized solutions

We can create **customized databases** of up to 250 complete genomes of your choice from our MicroB database to allow you to focus on data specifically oriented to your research needs.

Connecting and integrating your data with MicroB

The **MicroB-Metabolic Pathway Builder platform** is a powerful tool for comparative analysis between your working data and the highest quality, non-redundant data on reference genomes.

It's a flexible solution that makes it possible not only to analyze, but also to connect, integrate and save your analyzed genomes into MicroB easily, augmenting and consolidating your knowledge base.

We've made the connections automatic to save you time. All information that you added to your sequences during your data analysis – including manual additions such as specific identifiers, notes, comments, citations, COG identifiers etc. - is automatically conserved, integrated and saved with your genomes in MicroB.

Genostar designed MicroB in collaboration with the French National Institute for Research in Computer Science and Control (INRIA), the Swiss Institute of Bioinformatics (SIB), and the Laboratory of Alpine Ecology (LECA).



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