Resource Summary Report

Generated by NIF on Sep 15, 2026

Mycobrowser

RRID:SCR_018242
Type: Tool

Proper Citation

Mycobrowser (RRID:SCR_018242)

Resource Information

URL: https://mycobrowser.epfl.ch/

Proper Citation: Mycobrowser (RRID:SCR_018242)

Description: Comprehensive and manually annotated resource for mycobacterial genomes. Genomic and proteomic data repository for pathogenic mycobacteria. Provides manually curated annotations and tools to facilitate genomic and proteomic study of these organisms. Integrates genome details, protein information, drug and transcriptome data, mutant and operon annotation.

Synonyms: Mycobacterial browser

Resource Type: data access protocol, data or information resource, database, portal, software resource, web service

Defining Citation: PMID:20980200

Related Condition: tuberculosis, leprosy, mycobacterial infections

Funding: Bill & Melinda Gates Foundation

Availability: Free, Freely available

Resource Name: Mycobrowser

Resource ID: SCR_018242

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260912T195859+0000

Ratings and Alerts

No rating or validation information has been found for Mycobrowser.

No alerts have been found for Mycobrowser.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 129 mentions in open access literature.

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

Song Y, et al. (2026) CRISPRi-mediated silencing of the ABC transporter Ms_5779 compromises cell envelope integrity and impairs intracellular host lipid exploitation. Frontiers in microbiology, 17, 1835283.

Puffal J, et al. (2026) Compartmentalized cell envelope biosynthesis in Mycobacterium tuberculosis. mBio, 17(1), e0268025.

Kaur P, et al. (2026) A proof of concept study on the diagnostic utility of in vivo expressed mycobacterial transcripts in tuberculous pleuritis. Scientific reports, 16(1).

Lissner R, et al. (2026) A new role for lipoproteins LpqZ and FecB in orchestrating mycobacterial cell envelope biogenesis. mBio, 17(1), e0211925.

Siroy A, et al. (2026) Oligomerization is required for channel formation of MctB and for copper resistance of Mycobacterium tuberculosis. The Journal of biological chemistry, 302(2), 111037.

Du Y, et al. (2026) Rv2656c: A Potential Candidate Antigen Associated with Latent Tuberculosis Infection. Vaccines, 14(5).

Peracchi A, et al. (2026) The Pyridoxal-5'-Phosphate-Dependent Enzymes of Mycobacterium tuberculosis. ACS infectious diseases, 12(2), 507.

Ling Z, et al. (2025) Optimizing a Subunit Vaccine of Mycobacterium tuberculosis Using In-Silico and In-Vitro Approaches. Iranian journal of public health, 54(9), 1938.

Matotoka MM, et al. (2025) CRISPRi knockdown of mycobacterial tkt gene potentiates the anti-mycobacterial activity of phyto-compounds from selected medicinal plants. BMC complementary medicine and therapies, 25(1), 240.

Emmerick LS, et al. (2025) Characterization of mycobacteria isolated from the Brazilian Atlantic Forest: a public health and bioprospection perspective. Frontiers in microbiology, 16, 1558006.

Campos-Pardos E, et al. (2025) Evolutionary Trajectories of Methionine Metabolism in Mycobacterium and Its Application to Engineer a Vitamin B12 Whole-Cell Ribosensor.

Microbial biotechnology, 18(6), e70176.

Ansari A, et al. (2025) Genetic variability, genotyping, and genomics of Mycobacterium leprae. FEMS microbiology reviews, 49.

Kipkorir T, et al. (2025) Cobamide metabolism, regulation, and adaptation in Mycobacterium tuberculosis. Journal of bacteriology, 207(12), e0020425.

Pozzoli U, et al. (2025) Mycobacterium tuberculosis uses intrinsically disordered, fast evolving proteins to interact with conserved host factors. Genome biology, 26(1), 387.

Sarah SR, et al. (2025) Ser/Thr phosphorylation of Mycobacterium tuberculosis type II RelK toxin by PknK destabilizes TA interaction and interferes with toxin neutralization. mBio, 16(7), e0106825.

Corr??a PR, et al. (2025) Culture conditions impact the protein expression profile of Mycobacterium bovis BCG strains Moreau and Pasteur. BMC microbiology, 25(1), 795.

Couvin D, et al. (2025) Molecular typing of Mycobacterium tuberculosis: a review of current methods, databases, softwares, and analytical tools. FEMS microbiology reviews, 49.

Yun JS, et al. (2025) Immunogenicity and protective efficacy of a multi-antigenic adenovirus-based vaccine candidate against Mycobacterium tuberculosis. Frontiers in microbiology, 16, 1492268.

Liu W, et al. (2025) Identification of Mycobacterium tuberculosis intracellular survival-related virulence factors via CRISPR-based eukaryotic-like secretory protein mutant library screen. Microbiology spectrum, 13(8), e0076725.

Naidoo TJ, et al. (2025) Mycobacterium tuberculosis curli pili (MTP) and heparin-binding hemagglutinin adhesin (HBHA) facilitate regulation of central carbon metabolism, enhancement of ATP synthesis and cell wall biosynthesis. Archives of microbiology, 207(7), 156.