Resource Summary Report

Generated by NIF on May 11, 2025

MentaLiST

RRID:SCR_016469
Type: Tool

Proper Citation

MentaLiST (RRID:SCR_016469)

Resource Information

URL: https://github.com/WGS-TB/MentaLiST

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Description: Software for a MLST (multi-locus sequence typing) caller, based on a k-mer counting algorithm and written in the Julia language. Designed and implemented to handle large typing schemes.

Resource Type: data analysis software, software application, sequence analysis software, data processing software, software resource

Defining Citation: PMID:29319471

Keywords: next, generation, sequencing, multi, locus, sequence, typing, pathogen, surveillance, gene, identify, strain, type, housekeeping, whole, genome, sequencing, data, bacteria, genotyping, bio.tools

Funding: Canadian Institute for Health Research ;
Genome Canada ;
Genome BC

Availability: Free, Available for download, Freely available

Resource Name: MentaLiST

Resource ID: SCR_016469

Alternate IDs: biotools:mentalist

Alternate URLs: https://bio.tools/mentalist

License: MIT License

Record Creation Time: 20220129T080330+0000

Record Last Update: 20250509T060159+0000

Ratings and Alerts

No rating or validation information has been found for MentaLiST.

No alerts have been found for MentaLiST.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7 mentions in open access literature.

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

Shelenkov A, et al. (2023) International Clones of High Risk of Acinetobacter Baumannii-Definitions, History, Properties and Perspectives. Microorganisms, 11(8).

Egorova A, et al. (2023) Plasmid Composition, Antimicrobial Resistance and Virulence Genes Profiles of Ciprofloxacin- and Third-Generation Cephalosporin-Resistant Foodborne Salmonella enterica Isolates from Russia. Microorganisms, 11(2).

Tyumentseva M, et al. (2021) Genomic and Phenotypic Analysis of Multidrug-Resistant Acinetobacter baumannii Clinical Isolates Carrying Different Types of CRISPR/Cas Systems. Pathogens (Basel, Switzerland), 10(2).

Shelenkov A, et al. (2021) Diversity of International High-Risk Clones of Acinetobacter baumannii Revealed in a Russian Multidisciplinary Medical Center during 2017-2019. Antibiotics (Basel, Switzerland), 10(8).

Page AJ, et al. (2018) Rapid multi-locus sequence typing direct from uncorrected long reads using Krocus. PeerJ, 6, e5233.

Feijao P, et al. (2018) MentaLiST - A fast MLST caller for large MLST schemes. Microbial genomics, 4(2).

Silva M, et al. (2018) chewBBACA: A complete suite for gene-by-gene schema creation and strain identification. Microbial genomics, 4(3).