

Borrelia MLST Databases

This site uses two linked databases powered by the [BIGSdb genomics platform](#). The sequence definition database contains allele sequence and MLST profile definitions whereas the isolate database contains provenance and epidemiological information. Further details about BIGSdb can be found in [Jolley & Maiden 2010, BMC Bioinformatics 11:595](#).



- Information
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- Access databases
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This database has migrated from www.mlst.net.

This MLST scheme is described in [Margos et al. 2008 Proc Natl Acad Sci USA 105:8730-5](#).

Database curated by [Gabriele Margos](#).

Citing the database

The preferred format for citing this website in publications is:

This publication made use of the *Borrelia* MLST website (<http://pubmlst.org/borrelia/>) sited at the University of Oxford ([Jolley & Maiden 2010, BMC Bioinformatics, 11:595](#)). The development of this site has been funded by the Wellcome Trust.

Status

Sequence database

Sequences: 1392
Profiles (MLST): 633
Last updated: 2015-03-18

Isolate database

Isolates: 1802
Last updated: 2015-03-18

Borrelia locus/sequence definitions database



Query database

- [Sequence query](#) - query an allele sequence.
- [Batch sequence query](#) - query multiple sequences in FASTA format.
- [Sequence attribute search](#) - find alleles by matching attributes.
- [Browse MLST profiles](#)
- [Search MLST profiles](#)
- [List](#) - find MLST profiles matched to entered list.
- [Search by combinations of MLST alleles](#) - including partial matching.
- [Batch profile query](#) - lookup MLST profiles copied from a spreadsheet.



Downloads

- [Allele sequences](#)
- [MLST profiles](#)



Option settings

- [Set general options](#)



General information

- Number of sequences: 1392
- Number of profiles (MLST): 633
- Last updated: 2015-03-18
- [Profile update history](#)
- [About BIGSdb](#)



Export

- [Sequences](#) - XMFA / concatenated FASTA formats



Analysis

- [Sequence similarity](#) - find sequences most similar to selected allele.
- [Sequence comparison](#) - display a comparison between two sequences.
- [Locus Explorer](#) - tool for analysing allele sequences stored for particular locus.

Sequence query - Borrelia locus/sequence definitions

Please paste in your sequence to query against the database. Query sequences will be checked first for an exact match against the chosen (or all) loci - they do not need to be trimmed. The nearest partial matches will be identified if an exact match is not found. You can query using either DNA or peptide sequences. [?](#)

Please select locus/scheme — Order results by —

locus

Query sequence (single or multiple contigs up to whole genome in size)

Alternatively upload FASTA file

or enter Genbank accession

Action

Select FASTA file:

Field breakdown of dataset

[country](#) | [continent](#) | [region](#) | [state](#) | [species](#) | [year](#) | [source](#) | [detailed source](#) | [collector](#) | [latitude](#) | [longitude](#)

country

country

24 values

