

# NGSTAR Database Schema

Requirements: You must be familiar with ER Diagrams and the Relational Model.

You can open the NGSTAR Database Schema on MySQL Workbench by going to File, Open Model, and selecting either ng-star/MySQLWorkbench/NGSTAR.mwb or ng-star/MySQLWorkbench/NGSTAR\_Auth.mwb.

Please note that this is not a live version of the schema, it is simply the state of the schema when it was saved. If you want to retrieve a schema that corresponds to the live version of the database, you must either Synchronize your existing model or open a new Model and Reverse Engineer the NGSTAR database or NGSTAR\_Auth database.

## NGSTAR Database Schema

Please note that the schema is not completely defined yet in terms of the loci and scheme tables (since this functionality has not been implemented yet).

Schema relationships:

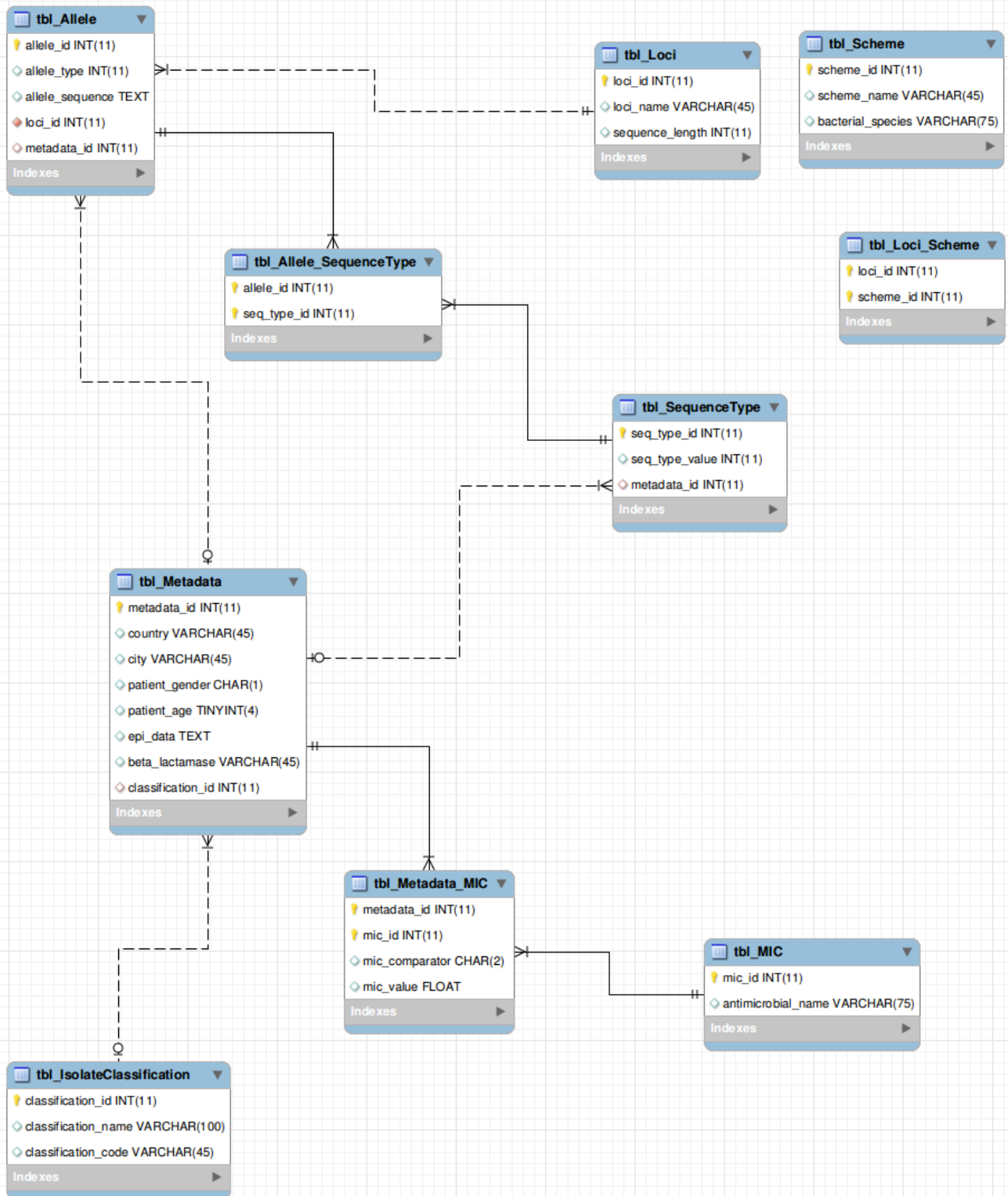
1. tbl\_Allele to tbl\_Allele\_SequenceType is one-to-many.
2. tbl\_SequenceType to tbl\_Allele\_SequenceType is one-to-many.

(tbl\_Allele\_SequenceType exists because the relationship between tbl\_Allele and tbl\_SequenceType is many-to-many)

3. tbl\_Loci to tbl\_Allele is one-to-many.
4. tbl\_Metadata to tbl\_Allele is one-to-many.
5. tbl\_Metadata to tbl\_SequenceType is one-to-many.
6. tbl\_IsolateClassification to tbl\_Metadata is one-to-many.
7. tbl\_Metadata to tbl\_Metadata\_MIC is one-to-many.
8. tbl\_MIC to tbl\_Metadata\_MIC is one-to-many.

Schema relationships to be added:

1. tbl\_Loci to tbl\_Loci\_Scheme will be one-to-many.
2. tbl\_Scheme to tbl\_Loci\_Scheme will be one-to-many.



## NGSTAR\_Auth Database Schema

The NGSTAR\_Auth database is within the NGSTAR Catalyst project (unlike the NGSTAR database which is independent of the NGSTAR Catalyst project) because the Catalyst module that authenticates users must query the database directly from the model.

