

# miRBaseVersions.db

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miRBaseVersions.db     *miRBaseVersions.db: miRNA name collection of 21 different miRBase release versions.*

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## Description

object of `MiRBaseVersionsDb` class holds the sqlite database connection, and extends `AnnotationDb` class from `AnnotationDbi` package. `columns`, `keys`, `keytypes` and `select` methods allow access to database tables and retrieval of miRNA target information.

`select` is for querying the database to retrieve information about mature miRNA names from selected versions.

## Usage

```
columns(x)
keytypes(x)
keys(x, keytype,...)
select(x, keys, columns, keytype,...)

.onLoad(libname, pkgname)
```

## Arguments

<code>libname</code>	Name of library (automatically passed on at start up)
<code>pkgname</code>	Package name (automatically passed on at start up)
<code>...</code>	Optional parameters
<code>x</code>	the <code>miRBaseVersions.db</code>
<code>keytype</code>	represents the table from which data shall be received. All possible keytypes can be viewed by using the <code>keytypes</code> method.
<code>keys</code>	the accession name of mature miRNAs. All possible keys (miRNAs) are returned by using the <code>keys</code> method.
<code>columns</code>	that can be returned for each miRNA. All possible columns can be shown by using the <code>columns</code> method.

**Details**

This annotation package comprises mature miRNA names from 21 different miRBase versions. It contains one main table holding all miRNAs and one view for each version, such as 'vw-mimat-21.0' for mature miRNA names from version 21.0.

**Value**

string vectors, for select a data.frame with selected columns.

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**Examples**

```
# see all available tables
keytypes(miRBaseVersions.db)
# see column names
columns(miRBaseVersions.db)
```

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