miRBaseVersions.db

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`miRBaseVersions.db` *miRBaseVersions.db: miRNA name collection of 22 different miRBase release versions.*

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

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

Details

This annotation package comprises mature miRNA names from 22 different miRBase versions. It contains one main table holding all miRNAs and one view for each version, such as 'vw-mimat-22.0' for mature miRNA names from version 22.0.

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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