miRBaseVersions.db

February 28, 2017

miRBaseVersions.db: miRNA name collection of 21 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)
... Optional parameters
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 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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