miRBaseVersions.db
July 17, 2024

miRBaseVersions.db
miRBase Versions.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

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

Author(s)

Stefan Haunsberger <stefanhaunsberger@rcsi.ie>

Examples

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

.onLoad (miRBaseVersions.db), 1
columns (miRBaseVersions.db), 1
keys (miRBaseVersions.db), 1
keytypes (miRBaseVersions.db), 1
miRBaseVersions.db, 1
miRBaseVersions.db-package
    (miRBaseVersions.db), 1
select (miRBaseVersions.db), 1