

Package ‘biodbMirbase’

July 14, 2023

Title biodbMirbase, a library for connecting to miRBase mature database

Version 1.5.0

Description The biodbMirbase library is an extension of the biodb framework package, that provides access to miRBase mature database. It allows to retrieve entries by their accession number, and run specific web services.
Description: The biodbMirbase library provides access to the miRBase Database, using biodb package framework.

License AGPL-3

biocViews Software, Infrastructure, DataImport

VignetteBuilder knitr

Encoding UTF-8

Depends R (>= 4.1)

Imports biodb (>= 1.3.1), R6, stringr, chk

Suggests roxygen2, BiocStyle, testthat (>= 2.0.0), devtools, knitr, rmarkdown, covr, lgr

Roxygen list(markdown = TRUE)

RoxygenNote 7.1.2

Collate 'MirbaseMatureConn.R' 'MirbaseMatureEntry.R' 'package.R'

git_url <https://git.bioconductor.org/packages/biodbMirbase>

git_branch devel

git_last_commit b6f8c96

git_last_commit_date 2023-04-25

Date/Publication 2023-07-14

Author Pierrick Roger [aut, cre] (<<https://orcid.org/0000-0001-8177-4873>>)

Maintainer Pierrick Roger <pierrick.roger@cea.fr>

R topics documented:

biodbMirbase-package	2
MirbaseMatureConn	2
MirbaseMatureEntry	3

Index	5
--------------	----------

biodbMirbase-package	<i>biodbMirbase: biodbMirbase, a library for connecting to miRBase mature database</i>
----------------------	--

Description

The biodbMirbase library is an extension of the biodb framework package, that provides access to miRBase mature database. It allows to retrieve entries by their accession number, and run specific web services. Description: The biodbMirbase library provides access to the miRBase Database, using biodb package framework.

Details

See vignette biodbMirbase:

```
vignette('biodbMirbase', package='biodbMirbase')
```

Author(s)

Maintainer: Pierrick Roger <pierrick.roger@cea.fr> ([ORCID](#))

See Also

[MirbaseMatureConn](#).

MirbaseMatureConn	<i>miRBase mature database connector class.</i>
-------------------	---

Description

Connector class for miRBase mature database.

Super classes

[biodb::BiodbConnBase](#) -> [biodb::BiodbConn](#) -> MirbaseMatureConn

Methods

Public methods:

- [MirbaseMatureConn\\$clone\(\)](#)

Method `clone()`: The objects of this class are cloneable with this method.

Usage:

```
MirbaseMatureConn$clone(deep = FALSE)
```

Arguments:

`deep` Whether to make a deep clone.

See Also

[BiodbConn](#).

Examples

```
# Create an instance with default settings:
mybiodb <- biodb::newInst()

# Get a connector:
conn <- mybiodb$getFactory()$createConn('mirbase.mature')

# Get the first entry
e <- conn$getEntry('MIMAT0000433')

# Terminate instance.
mybiodb$terminate()
```

MirbaseMatureEntry *miRBase mature database entry class.*

Description

Entry class for miRBase mature database.

Super classes

[biodb::BiodbEntry](#) -> [biodb::BiodbTxtEntry](#) -> [MirbaseMatureEntry](#)

Methods

Public methods:

- [MirbaseMatureEntry\\$clone\(\)](#)

Method `clone()`: The objects of this class are cloneable with this method.

Usage:

```
MirbaseMatureEntry$clone(deep = FALSE)
```

Arguments:

```
deep Whether to make a deep clone.
```

See Also

[BiodbTxtEntry](#).

Examples

```
# Create an instance with default settings:
mybiodb <- biodb::newInst()

# Get a connector that inherits from MirbaseMatureConn:
conn <- mybiodb$getFactory()$createConn('mirbase.mature')

# Get the first entry
e <- conn$getEntry('MIMAT0000433')

# Terminate instance.
mybiodb$terminate()
```

Index

`biodb::BiodbConn`, [2](#)
`biodb::BiodbConnBase`, [2](#)
`biodb::BiodbEntry`, [3](#)
`biodb::BiodbTxtEntry`, [3](#)
`BiodbConn`, [3](#)
`biodbMirbase (biodbMirbase-package)`, [2](#)
`biodbMirbase-package`, [2](#)
`BiodbTxtEntry`, [4](#)

`MirbaseMatureConn`, [2](#), [2](#)
`MirbaseMatureEntry`, [3](#)