

Package ‘RNAmodR.Data’

April 24, 2025

Type Package

Title Example data for the RNAmodR package

Version 1.23.0

Date 2020-02-13

Description RNAmodR.Data contains example data, which is used for vignettes and example workflows in the RNAmodR and dependent packages.

biocViews ExperimentData, SequencingData, RNASeqData

License Artistic-2.0

Encoding UTF-8

LazyData false

Depends R (>= 3.6), ExperimentHub, ExperimentHubData (>= 1.9.2)

Imports utils

Suggests knitr, rmarkdown, BiocStyle, GenomicRanges, sessioninfo, testthat

Collate 'RNAmodR.Data.R' 'zzz.R'

RoxygenNote 7.0.2

VignetteBuilder knitr

BugReports <https://github.com/FelixErnst/RNAmodR.Data/issues>

URL <https://github.com/FelixErnst/RNAmodR.Data>

git_url <https://git.bioconductor.org/packages/RNAmodR.Data>

git_branch devel

git_last_commit 9825b0c

git_last_commit_date 2025-04-15

Repository Bioconductor 3.22

Date/Publication 2025-04-24

Author Felix G.M. Ernst [aut, cre],
Denis L.J. Lafontaine [ctb, fnd]

Maintainer Felix G.M. Ernst <felix.gm.ernst@outlook.com>

Contents

example.man.fasta	2
RNAmodR.Data	2
RNAmodR.Data.AAS	3
RNAmodR.Data.example	4
RNAmodR.Data.RMS	4
RNAmodR.Data.snoRNadb	5
Index	6

example.man.fasta	<i>RNAmodR example data for tests and man pages</i>
-------------------	---

Description

This dataset contains a small data set for tests and man page examples. The individual identifiers are RNAmodR.Data. plus the header from the Datasets section.

Datasets

- example.man.fasta:** sequence of artificial genome for S. cerevisiae containing partial sequences of the 18S rRNA
- example.man.gff3:** annotation of artificial genome for S. cerevisiae containing partial sequences of the 18S rRNA

Examples

```
RNAmodR.Data.example.man.fasta()  
RNAmodR.Data.example.man.gff3()
```

RNAmodR.Data	<i>RNAmodR.Data</i>
--------------	---------------------

Description

RNAmodR.Data contains example data, which is used for vignettes and example workflows in the RNAmodR and dependent packages.

Author(s)

Felix G.M. Ernst [aut], Denis L.J. Lafontaine [ctb]

RNAmodR.Data.AAS

RNAmodR AlkAnilineSeq example data

Description

This dataset contains example data for AlkAnilineSeq. The individual identifiers are RNAmodR.Data. plus the header from the Datasets section.

Datasets

example.AAS.fasta: sequence of artificial genome for *S. cerevisiae* containing only the 18S rRNA sequence and 10 tRNA sequences

example.AAS.gff3: annotation of artificial genome for *S. cerevisiae* containing only the 18S rRNA sequence and 10 tRNA sequences

example.bud23.1: sequencing reads mapped to artificial genome from bud23del strain - replicate 1

example.bud23.2: sequencing reads mapped to artificial genome from bud23del strain - replicate 2

example.trm8.1: sequencing reads mapped to artificial genome from trm8del strain - replicate 1

example.trm8.2: sequencing reads mapped to artificial genome from trm8del strain - replicate 2

example.wt.1: sequencing reads mapped to artificial genome from wild type strain - replicate 1

example.wt.2: sequencing reads mapped to artificial genome from wild type strain - replicate 2

example.wt.3: sequencing reads mapped to artificial genome from wild type strain - replicate 3

Examples

```
RNAmodR.Data.example.AAS.fasta()
RNAmodR.Data.example.AAS.gff3()
RNAmodR.Data.example.bud23.1()
RNAmodR.Data.example.bud23.2()
RNAmodR.Data.example.trm8.1()
RNAmodR.Data.example.trm8.2()
RNAmodR.Data.example.wt.1()
RNAmodR.Data.example.wt.2()
RNAmodR.Data.example.wt.3()
```

RNAmodR.Data.example	<i>RNAmodR general example data</i>
----------------------	-------------------------------------

Description

This dataset contains general example data used for different purposes. The individual identifiers are RNAmodR.Data. plus the header from the Datasets section.

Datasets

example.fasta: sequences of artificial genome for *S. cerevisiae* containing only rRNA and tRNA sequences

example.gff3: annotation of artificial genome for *S. cerevisiae* containing only rRNA and tRNA sequences

example.bam.1: sequencing reads mapped to artificial genome - replicate 1

example.bam.2: sequencing reads mapped to artificial genome - replicate 2

example.bam.3: sequencing reads mapped to artificial genome - replicate 3

Examples

```
RNAmodR.Data.example.fasta()
RNAmodR.Data.example.gff3()
RNAmodR.Data.example.bam.1()
RNAmodR.Data.example.bam.2()
RNAmodR.Data.example.bam.3()
```

RNAmodR.Data.RMS	<i>RNAmodR RiboMethSeq example data</i>
------------------	---

Description

This dataset contains example data for RiboMethSeq. The individual identifiers are RNAmodR.Data. plus the header from the Datasets section.

Datasets

example.RMS.fasta: sequence of artificial genome for *H. sapiens* containing only the 5.8S rRNA sequence

example.RMS.gff3: annotation of artificial genome for *H. sapiens* containing only the 5.8S rRNA sequence

example.RMS.1: sequencing reads mapped to artificial genome - replicate 1

example.RMS.2: sequencing reads mapped to artificial genome - replicate 2

Examples

```
RNAmodR.Data.example.RMS.fasta()  
RNAmodR.Data.example.RMS.gff3()  
RNAmodR.Data.example.RMS.1()  
RNAmodR.Data.example.RMS.2()
```

```
RNAmodR.Data.snoRNAdb  snoRNAdb data
```

Description

The csv files contains a copy of data from the snoRNAdb (<https://www-snorna.biotoul.fr/>) downloaded on the 2019-02-11. The coordinates were updated to current rRNA sequences of hg38.

Examples

```
RNAmodR.Data.snoRNAdb()
```

Index

`example.man.fasta`, [2](#)

`RNAmodR.Data`, [2](#)

`RNAmodR.Data.AAS`, [3](#)

`RNAmodR.Data.example`, [4](#)

`RNAmodR.Data.example.AAS.fasta`
(`RNAmodR.Data.AAS`), [3](#)

`RNAmodR.Data.example.AAS.gff3`
(`RNAmodR.Data.AAS`), [3](#)

`RNAmodR.Data.example.bud23.1`
(`RNAmodR.Data.AAS`), [3](#)

`RNAmodR.Data.example.bud23.2`
(`RNAmodR.Data.AAS`), [3](#)

`RNAmodR.Data.example.man.fasta`
(`example.man.fasta`), [2](#)

`RNAmodR.Data.example.man.gff3`
(`example.man.fasta`), [2](#)

`RNAmodR.Data.example.RMS.1`
(`RNAmodR.Data.RMS`), [4](#)

`RNAmodR.Data.example.RMS.2`
(`RNAmodR.Data.RMS`), [4](#)

`RNAmodR.Data.example.RMS.fasta`
(`RNAmodR.Data.RMS`), [4](#)

`RNAmodR.Data.example.RMS.gff3`
(`RNAmodR.Data.RMS`), [4](#)

`RNAmodR.Data.example.trm8.1`
(`RNAmodR.Data.AAS`), [3](#)

`RNAmodR.Data.example.trm8.2`
(`RNAmodR.Data.AAS`), [3](#)

`RNAmodR.Data.example.wt.1`
(`RNAmodR.Data.AAS`), [3](#)

`RNAmodR.Data.example.wt.2`
(`RNAmodR.Data.AAS`), [3](#)

`RNAmodR.Data.example.wt.3`
(`RNAmodR.Data.AAS`), [3](#)

`RNAmodR.Data.RMS`, [4](#)

`RNAmodR.Data.snoRNadb`, [5](#)