

Package ‘RNAmodR.Data’

October 17, 2024

Type Package

Title Example data for the RNAmodR package

Version 1.18.0

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 RELEASE_3_19

git_last_commit ea1e173

git_last_commit_date 2024-04-30

Repository Bioconductor 3.19

Date/Publication 2024-10-17

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 *RNAmoDR general example data*

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 *RNAmoDR RiboMethSeq example data*

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](#)