

# Package ‘RNAmodR.Data’

November 21, 2024

**Type** Package

**Title** Example data for the RNAmodR package

**Version** 1.20.0

**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\_20

**git\_last\_commit** 90bfcc6

**git\_last\_commit\_date** 2024-10-29

**Repository** Bioconductor 3.20

**Date/Publication** 2024-11-21

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

**Maintainer** Felix G.M. Ernst <[felix.gm.ernst@outlook.com](mailto: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
<b>Index</b>	<b>6</b>

---

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