

Package ‘yeastRNASeq’

March 11, 2025

Title Yeast RNA-Seq Experimental Data from Lee et al. 2008

Version 0.44.0

Author James H. Bullard and Kasper D. Hansen

Description A selection of RNA-Seq data from a yeast transcriptome experiment.

biocViews ExperimentData, Saccharomyces_cerevisiae_Data,
SequencingData, RNASeqData

Maintainer J. Bullard <bullard@stat.berkeley.edu>

License GPL

Depends R (>= 2.4)

Suggests Biobase, ShortRead, IRanges

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

git_branch RELEASE_3_20

git_last_commit 1463993

git_last_commit_date 2024-10-29

Repository Bioconductor 3.20

Date/Publication 2025-03-11

Contents

geneLevelData	1
yeastAligned	2
yeastAnno	2
Index	3

geneLevelData	<i>Yeast gene-level counts from: Lee et al. PloS Genetics 2008.</i>
---------------	---

Description

Gene counts for an Illumina sequencing experiment. These counts represent summarizations over the data in the yeastAligned object using the annotation from the yeastAnno object, both from this package.

Usage

```
data(geneLevelData)
```

Source

A citation for the dataset may be generated using `citation("yeastRNASeq")`.

See Also

The package vignette.

yeastAligned	<i>AlignedRead list</i>
--------------	-------------------------

Description

A four element list of `AlignedRead` objects from the `ShortRead` package from 4 yeast lanes of a Solexa experiment: Lee et al. PloS Genetics 2008.

The data represents a random subsample of reads from 4 lanes (2 wild-type, 2 mutant lanes)

Usage

```
data(yeastAligned)
```

Source

A citation for the dataset may be generated using `citation("yeastRNASeq")`.

See Also

The package vignette.

yeastAnno	<i>Yeast Annotation</i>
-----------	-------------------------

Description

Annotation for *S. cerevisiae* downloaded from Ensembl using the **biomaRt** package in the fall of 2009 and post-processed. This file should not be used for analyses purposes, but rather demonstrates some functionality of various packages.

Usage

```
data(geneLevelData)
```

Source

A citation for the dataset may be generated using `citation("yeastRNASeq")`.

See Also

The package vignette.

Index

* datasets

geneLevelData, [1](#)

yeastAligned, [2](#)

yeastAnno, [2](#)

geneLevelData, [1](#)

yeastAligned, [2](#)

yeastAnno, [2](#)