Package ‘yeastRNASeq’

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Title  Yeast RNA-Seq Experimental Data from Lee et al. 2008
Version 0.12.0
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Description A selection of RNA-Seq data from a yeast transcriptome experiment.
biocViews ExperimentData, Saccharomyces_cerevisiae_Data, SequencingData, RNASeqData
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License GPL
Depends R (>= 2.4)
Suggests Biobase, ShortRead, IRanges
NeedsCompilation no

R topics documented:

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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.

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### yeastAligned

*AlignedRead list*

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#### 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.

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### yeastAnno

*Yeast Annotation*

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#### 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.
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