Package ‘yeastRNASeq’

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

Version 0.49.0

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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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Depends R (>= 2.4)

Suggests Biobase, ShortRead, IRanges

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Contents

`geneLevelData` *Yeast gene-level counts from: Lee et al. PloS Genetics 2008.*

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` *AlignedRead list*

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` *Yeast Annotation*

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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