

# yeastRNASeq

October 25, 2011

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geneLevelData

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

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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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