

# Package ‘yeastRNASeq’

April 24, 2025

**Title** Yeast RNA-Seq Experimental Data from Lee et al. 2008  
**Version** 0.47.0  
**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  
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**License** GPL  
**Depends** R (>= 2.4)  
**Suggests** Biobase, ShortRead, IRanges  
**git\_url** <https://git.bioconductor.org/packages/yeastRNASeq>  
**git\_branch** devel  
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|---------------|---------------------------------------------------------------------|
| geneLevelData | <i>Yeast gene-level counts from: Lee et al. PloS Genetics 2008.</i> |
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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 | <i>AlignedRead</i> 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 | <i>Yeast Annotation</i> |
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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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