

# Package ‘yeastRNASeq’

April 7, 2026

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

**Version** 0.48.0

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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

**git\_url** <https://git.bioconductor.org/packages/yeastRNASeq>

**git\_branch** RELEASE\_3\_22

**git\_last\_commit** 63a51a6

**git\_last\_commit\_date** 2025-10-29

**Repository** Bioconductor 3.22

**Date/Publication** 2026-04-07

## Contents

geneLevelData . . . . .	1
yeastAligned . . . . .	2
yeastAnno . . . . .	2
<b>Index</b>	<b>3</b>

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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 list</i>
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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.

# Index

## \* datasets

geneLevelData, [1](#)

yeastAligned, [2](#)

yeastAnno, [2](#)

geneLevelData, [1](#)

yeastAligned, [2](#)

yeastAnno, [2](#)