

Package ‘RcellData’

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Type Package

Version 1.3-2

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Title Example Dataset for 'Rcell' Package

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Depends R (>= 2.15.0)

Description Example dataset for 'Rcell' package. Contains images and cell data object.

License GPL-2

Encoding latin1

URL <http://www.embnet.qb.fcen.uba.ar>,
<http://sourceforge.net/projects/cell-id>

LazyData no

NeedsCompilation no

Repository CRAN

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RcellData-package

Example Dataset for Package Rcell

Description

Example Cell-ID dataset for Rcell package. Includes images and loaded cell data object.

Details

Package: Rcell
Type: Package
Version: 1.3-1
Date: 2015-05-28
License: GPL-2

Author(s)

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References

<http://sourceforge.net/projects/cell-id>

See Also

Rcell

ACL394

Time Dependent Dose Response of Yeast Cells to Mating Pheromone

Description

This datasets was generated by Cell-ID, from an experiment done in 2004 by Alejandro Colman-Lerner and Andrew Gordon at the Molecular Science Institute (MSI). *Saccharomices cerevisiae* yeast cells of strain TCY3154 (MATa, bar1, prm1::Pprm1-YFP::HIS+, trp1::Pact1-CFP::TRP1) where stimulated with different doses of alpha-factor pheromone 10 minutes before the first time point. Images where adquired every 15 minutes for 3.5 hours. In the dataset there are 3 positions per treatment. The strain TCY3154 was derived from ACL394, a W303 derivative.

data(ACL394) loads the unfiltered dataset, while data(ACL394filtered) loads the dataset with filters applied.

pos1.cell.counter is a data.frame as returned by ImageJ's plugin Cell Counter.

pdata is a data.frame with the description of each position.

Usage

X

Format

a cell.data object

References

Colman-Lerner et al. (2005). "Regulated cell-to-cell variation in a cell-fate decision system." *Nature* 437(7059):699-706.

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