Package 'ecoliLeucine'

January 22, 2026

Version 1.50.0

Date 2007-07-22

Title Experimental data with Affymetrix E. coli chips

Author Laurent Gautier

Maintainer Laurent Gautier <lgautier@gmail.com>

Depends R (>= 1.9.0), affy (>= 1.23.4), ecolicdf

Description Experimental data with Affymetrix E. coli chips, as reported in She-
pin Hung, Pierre Baldi, and G. Wesley Hatfield, J. Biol. Chem., Vol. 277, Issue 43, 40309-
40323, October 25, 2002

License GPL (>= 2)

biocViews ExperimentData, MicroarrayData

git_url https://git.bioconductor.org/packages/ecoliLeucine

git_branch RELEASE_3_22

git_last_commit 8136bb4

git_last_commit_date 2025-10-29

Repository Bioconductor 3.22

Date/Publication 2026-01-22

Contents

---

ecoliLeucine   *AffyBatch instance ecoliLeucine*

Description

The *Leucine-responsive regulatory protein* (Lrp) is thought to regulate the expression of multiple genes and operons in bacteria. Two strains *lrp+* and *lrp-* were studied to investigate which genes are subject to changes in expression levels.

The raw data were taken from CyberT website. The data for 8 chips (4 *lrp+* and 4 *lrp-*).

1

Format

An `AffyBatch` of 8 samples.

References

She-pin Hung, Pierre Baldi, and G. Wesley Hatfield, *J. Biol. Chem.*, Vol. 277, Issue 43, 40309-40323, October 25, 2002

`http://visitor.ics.uci.edu/genex/cybert/tutorial/Affy%20Data/`

See Also

`AffyBatch-class`

Index