

# Package ‘ecoliLeucine’

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**Version** 1.18.0

**Date** 2007-07-22

**Title** Experimental data with Affymetrix E. coli chips

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

**Description** Experimental data with Affymetrix E. coli chips, as reported in Shepin 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

**NeedsCompilation** no

## R topics documented:

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ecoliLeucine                      *AffyBatch* instance *ecoliLeucine*

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## 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-*).

## 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](#)

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\*Topic **data**

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