Package ‘KOdata’
March 23, 2017

Type Package
Title LINCS Knock-Out Data Package
Version 1.0.0
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Description Contains consensus genomic signatures (CGS) for experimental cell-line specific gene knock-outs as well as baseline gene expression data for a subset of experimental cell-lines. Intended for use with package KEGGlincs.
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LazyData TRUE
RoxygenNote 5.0.1
Depends R (>= 3.3.0)
biocViews ExpressionData, CancerData, Homo_sapiens_Data
NeedsCompilation no

R topics documented:

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<thead>
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<td>gene_cell_info</td>
<td>Baseline expression information for genes across cell lines</td>
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Description

This data set contains baseline expression measurements for genes in cell lines [without any experimental perturbations] as profiled by the LINCS data consortium

Usage
data(gene_cell_info)
KO_data

Format
A data frame with 1703457 observations on the following 6 variables.

- pr_gene_symbol a character vector
- cell a character vector
- baseX_affx a numeric vector
- baseX_rnaseq a numeric vector
- copy_number a numeric vector
- is_expressed a logical vector

Value
A data.frame object

KOdata
KOdata: an R data package designed to be used with KEGGlinCs

Description
KOdata: an R data package designed to be used with KEGGlinCs

KO_data
LINCS knock-out data

Description
This data set contains consensus genome signatures (CGS) that are the result of experimental knock-out studies conducted by the BROAD Institute.

Usage
data(KO_data)

Format
A data frame with 36720 observations on the following 9 variables.

- cell_id a character vector
- pert_desc a character vector
- pert_time a numeric vector
- dn100_bing a character vector
- dn100_full a character vector
- dn50_lm a character vector
- up100_bing a character vector
- up100_full a character vector
- up50_lm a character vector
KO_data

Value
A data.frame object

References
http://lincsportal.ccs.miami.edu
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