Description

Example for list-structure used by many functions in MACAT. It's based on the gene expression data published by Yeoh et al. in 2002.[Yeoh et al. Classification, subtype discovery, and prediction of outcome in pediatric acute lymphoblastic leukemia by gene expression profiling. Cancer Cell. March 2002. 1: 133-143. The data has been preprocessed using 'vsn’ on probe level and the probes have been summed up using 'median polish’.

Usage

data(stjude)

Format

List of class 'MACATData’ with 6 components:

geneName: Identifiers of genes/probe sets in expression data
geneLocation: Location of genes on their chromosome as distance from 5’end in base pairs Negative numbers denote genes on the antisense strand.
chromosome: Chromosome of the respective gene. Components 'geneName’, 'geneLocation’, and 'chromosome’ are in the same order.
expr: expression matrix with rows = genes and columns = samples/patients
labels: (disease) subtype of each sample, has length = number of columns of expression matrix
chip: Identifier for Microarray used for the experiments (here for the Affymetrix HG-U95av2 Oligonucleotide GeneChip)

Source


Examples

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