Package ‘antiProfilesData’

March 7, 2024

Maintainer  Hector Corrada Bravo <hcorrada@gmail.com>
Author  Hector Corrada Bravo, Matthew McCall and Rafael A. Irizarry
Version  1.38.0
License  Artistic-2.0
Title  Normal colon and cancer preprocessed affy data for antiProfile building.
LazyData  yes
Depends  Biobase,
Suggests  frma, GEOquery, GEOmetadb
biocViews  ExperimentData, MicroarrayData, Tissue, CancerData, ColonCancerData
Collate  'antiProfilesData-package.r' 'apColonData.r'
git_url  https://git.bioconductor.org/packages/antiProfilesData
git_branch  RELEASE_3_18
git_last_commit  c6c3ef5
git_last_commit_date  2023-10-24
Repository  Bioconductor 3.18
Date/Publication  2024-03-07

R topics documented:

antiProfilesData-package .............................................................. 2
apColonData ................................................................................. 2

Index  4
antiProfilesData-package

Curated dataset of normal and cancer samples on Affymetrix hgu133plus2 expression arrays.

Description


Author(s)

Hector Corrada Bravo

References


apColonData

Curated dataset of many colon normal and cancer samples on Affymetrix hgu133plus2 expression arrays.

Description


format

Data is an ExpressionSet object. The exprs slot contains gene expression barcode z-scores from frma preprocessed data. The phenoData slot contains a data frame with the following columns:

filename: The CEL filename in the Gene Expression Omnibus (GEO)
DB_ID: The GSM sample id in GEO
ExperimentID: The GSE experiment id in GEO
Tissue: Tissue type, obtained from the gene expression barcode annotation
SubType: Sample sub-type, obtained from the gene expression barcode annotation
ClinicalGroup: Clinical sample annotation, obtained from the gene expression barcode annotation
Status: Normal (0) or Cancer (1) indicator
Author(s)

Hector Corrada Bravo

References


See Also

ExpressionSet for the class definition, frma for the preprocessing method used, barcode for the function to obtain the z-score definition.

Examples

data(apColonData)
pData(apColonData)
Index

* datasets
  apColonData, 2
  antiProfilesData-package, 2
  apColonData, 2
  barcode, 3
  ExpressionSet, 2, 3
  frma, 3