Package ‘geuvStore2’

February 1, 2017

Title demonstrate storage discipline for eQTL enumerations, revised

Version 1.4.0

Author VJ Carey <stvjc@channing.harvard.edu>

Description demonstrate storage discipline for eQTL enumerations and analyses based on a selection of GEUVADIS results

Suggests Homo.sapiens, knitr (>= 1.7), rmarkdown

Imports methods, gQTLBase

Depends BatchJobs, GenomicRanges

Maintainer VJ Carey <stvjc@channing.harvard.edu>

License Artistic-2.0

LazyLoad yes

biocViews ExperimentData, SequencingData, MicroarrayData

VignetteBuilder knitr

NeedsCompilation no

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\begin{verbatim}
geuvStore2-package  demonstrate storage discipline for eQTL enumerations, revised
\end{verbatim}

Description

demonstrate storage discipline for eQTL enumerations and analyses based on a selection of GEUVADIS results
Details

The DESCRIPTION file:

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geuvStore2-package demonstrate storage discipline for eQTL enumerations, revised
gv2pm components for constructing the distributed store for the subset of eQTL association statistics based on GEUVADIS

This package illustrates an approach to managing large numbers of tests, in this case, eQTL association statistics and annotation. The idea is that the report is broken into small chunks, indexed by feature names and ranges, and can be filtered using parallel computing if desired.

The makeGeuvStore2 function constructs the basic object for working with a subset of tests related to the GEUVADIS study [PMID 24037378].

Author(s)

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Examples

mm = makeGeuvStore2()
mm
data(geuvStore2Desc)
geuvStore2Desc # describes distributed computing resources used

gv2pm components for constructing the distributed store for the subset of eQTL association statistics based on GEUVADIS
Description

gv2pm and gv2rm are used to index distributed GRanges objects; geuvStore2Desc is a serialized
description of store contents. kpp is the vector of gene identifiers retained in this subset (about 5

Usage

data("gv2pm")

Format

A data frame with 920 observations on the following 2 variables.

probeid  a character vector
jobnum   a numeric vector

Examples

data(gv2rm)
gv2rm
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