Package ‘geuvStore2’

March 23, 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

R topics documented:

demonstrate storage discipline for eQTL enumerations, revised

Description

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Details

The DESCRIPTION file:

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guvStore2-package demonstrate storage discipline for eQTL enumerations, revised

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)

VJ Carey <stvjc@channing.harvard.edu>

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

Examples

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

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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