Package 'SNPhoodData'

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Title Additional and more complex example data for the SNPhood package

Version 1.42.0

Author Christian Arnold, Judith Zaugg

Maintainer Christian Arnold <christian.arnold@embl.de>

Description This companion package for SNPhood provides some example datasets of a larger size than allowed for the SNPhood package. They include full and real-world examples for performing analyses with the SNPhood package.

VignetteBuilder knitr

Suggests BiocStyle,knitr,rmarkdown

Depends R (>= 3.2)

biocViews ExperimentData

License LGPL (>= 3)

LazyData true

BugReports christian.arnold@embl.de

NeedsCompilation no

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SNPhoodData *SNPhoodData: Additional and more complex example data for the SNPhood package*

Description

This companion package for SNPhood provides some example datasets of a larger size than allowed for the SNPhood package. They include full and real-world examples for performing analyses with SNPhood.

Details

For a list of files that the package provides, type

```
list.files(pattern = "*",system.file("extdata", package = "SNPhoodData"),full.names = TRUE)
```

See also the package vignette (`browseVignettes("SNPhoodData")`).

Data

For an even more detailed overview of the data that the SNPhoodData package provides, see the vignette. Briefly, the example dataset consists of the following files:

- 14,000 previously identified H3K27ac QTLs for individuals from the YRI population [1,2] (file `cisQ.H3K27AC.chr21.txt`)
- H3K27ac ChIP-Seq data in BAM format for two individuals (GM10847, GM12890) obtained from Kasowski et al [2] from the CEU population (two replicates each, `files SNYDER_HG19_*`). The reads have previously been mapped to the personalized phased genomes of these individuals [2].
- Corresponding genotypes for the SNPs were obtained from the *1000 Genomes Project* [3] (file `genotypes.vcf.gz`)

For the references, see the corresponding package vignette by typing `browseVignettes("SNPhoodData")`.

Usage

You may use the example files to run a full SNPhood analysis. For a full example, see the workflow vignette in the SNPhood package (`browseVignettes("SNPhood")`)

Contact Information

We value all the feedback that we receive and will try to reply in a timely manner. Please report any bug that you encounter as well as any feature request that you may have to <SNPhood@gmail.com>.

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