

Package ‘derfinderData’

July 20, 2023

Type Package

Title Processed BigWigs from BrainSpan for examples

Version 2.19.0

Date 2021-11-21

Depends R(>= 3.1.1)

Suggests sessioninfo, knitr (>= 1.6), RefManageR, rmarkdown (>= 0.3.3), BiocStyle

VignetteBuilder knitr

Description Processed 22 samples from BrainSpan keeping only the information for chromosome 21. Data is stored in the BigWig format and is used for examples in other packages.

License Artistic-2.0

LazyData true

URL <https://github.com/leekgroup/derfinderData>

BugReports <https://github.com/leekgroup/derfinderData/issues>

biocViews ExperimentData, Homo_sapiens_Data, RNASeqData

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.3

git_url <https://git.bioconductor.org/packages/derfinderData>

git_branch devel

git_last_commit c848a4a

git_last_commit_date 2023-05-07

Date/Publication 2023-07-20

Author Leonardo Collado-Torres [aut, cre]

(<<https://orcid.org/0000-0003-2140-308X>>),

Andrew Jaffe [aut] (<<https://orcid.org/0000-0001-6886-1454>>),

Jeffrey Leek [aut, ths] (<<https://orcid.org/0000-0002-2873-2671>>)

Maintainer Leonardo Collado-Torres <lcolladotor@gmail.com>

R topics documented:

derfinderData-package	2
brainspanPheno	2

Index	4
--------------	----------

derfinderData-package *derfinderData: Processed BigWigs from BrainSpan for examples*

Description

Processed 22 samples from BrainSpan keeping only the information for chromosome 21. Data is stored in the BigWig format and is used for examples in other packages.

Author(s)

Maintainer: Leonardo Collado-Torres <lcolladotor@gmail.com> ([ORCID](#))

Authors:

- Andrew Jaffe <andrew.jaffe@libd.org> ([ORCID](#))
- Jeffrey Leek <jtleek@gmail.com> ([ORCID](#)) [thesis advisor]

See Also

Useful links:

- <https://github.com/leekgroup/derfinderData>
- Report bugs at <https://github.com/leekgroup/derfinderData/issues>

brainspanPheno *BrainSpan phenotype information*

Description

Information for 24 samples from the BrainSpan project covering two structure types with 6 fetal and 6 adult samples per structure type.

Format

A data.frame with 7 columns:

gender The gender of the individual sequenced.

lab The label for the sample.

Age The age in years of the individual sequenced.

structure_acronym The structure acronym for the sequenced sample.

structure_name The name of the structure sequenced.

file The URL to the original BigWig file with data for all chromosomes.

groupe Whether the individual is considered a fetal or adult sample.

References

1. BrainSpan: Atlas of the Developing Human Brain. Funded by ARRA Awards 1RC2MH089921-01, 1RC2MH090047-01, and 1RC2MH089929-01. 2011. Available from: <http://developinghumanbrain.org>.
2. See http://brainspan.org/policies.html#terms_of_use

Index

* **datasets**

 brainspanPheno, [2](#)

* **internal**

 derfinderData-package, [2](#)

brainspanPheno, [2](#)

derfinderData (derfinderData-package), [2](#)

derfinderData-package, [2](#)