

# Package ‘derfinderData’

June 1, 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** 2023-06-01

**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

<b>Index</b>	<b>4</b>
--------------	----------

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](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](#)