

# Package ‘derfinderData’

April 8, 2015

**Type** Package

**Title** Processed BigWigs from BrainSpan for examples

**Version** 1.0.0

**Date** 2014-09-30

**Depends** R(>= 3.1.1)

**Suggests** devtools (>= 1.6), knitcitations (>= 1.0.1), knitr (>= 1.6),  
knitrBootstrap (>= 0.9.0), RefManageR, rmarkdown (>= 0.3.3),

**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/lcolladotor/derfinderData>

**BugReports** <https://github.com/lcolladotor/derfinderData/issues>

**biocViews** ExperimentData, RNAseqData

**Author** Leonardo Collado-Torres [aut, cre], Andrew Jaffe [aut], Jeffrey  
Leek [aut, ths]

**Maintainer** Leonardo Collado-Torres <lcollado@jhu.edu>

## R topics documented:

derfinderHelper-package . . . . .	2
brainspanPheno . . . . .	2
<b>Index</b>	<b>3</b>

---

derfinderHelper-package

*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)

Leonardo Collado-Torres <lcollado@jhu.edu>

---

brainspanPheno

*BrainSpan phenotype information*

---

### Description

Information for 22 samples from the BrainSpan project covering two structure types with 6 fetal and 6 adult samples per structure type.

### Format

A data.frame with 8 columns:

**gender** The gender of the individual sequenced.

**lab** The label for the sample.

**Age** The age in years of the individual sequenced.

**RIN** The RNA Integrity Number for the sequenced sample.

**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 [Internet]. 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

\*Topic **datasets**

brainspanPheno, [2](#)

\*Topic **package**

derfinderHelper-package, [2](#)

brainspanPheno, [2](#)

derfinderHelper-package, [2](#)