Package ‘bodymapRat’

May 2, 2024

Title  Experimental dataset from the rat BodyMap project
Version  1.20.0
Description  This package contains a SummarizedExperiment  
            from the Yu et al. (2013) paper that performed the  
            rat BodyMap across 11 organs and 4 developmental stages.  
            Raw FASTQ files were downloaded and mapped using STAR.  
            Data is available on ExperimentHub as a data package.
Depends  R (>= 3.6.0), SummarizedExperiment, ExperimentHub
Imports  utils
Suggests  rmarkdown, knitr, BiocStyle, testthat
biocViews  SequencingData, RNASeqData, ExpressionData, ExperimentData,  
            ExperimentHub
NeedsCompilation  no
License  CC BY 4.0
VignetteBuilder  knitr
RoxygenNote  6.1.1
Encoding  UTF-8

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Description

This package contains a SummarizedExperiment from the Yu et al. (2013) paper that performed the rat BodyMap across 11 organs and 4 developmental stages. Raw FASTQ files were downloaded and mapped using STAR. FlowSorted.DLPFC.450k data set from Bioconductor. The purpose is to create an example object for the man pages and vignette in this package.

The SummarizedExperiment object was created using the /inst/scripts/make-data.Rmd and is downloaded from ExperimentHub

Format

A SummarizedExperiment object with 652 RNA-seq samples (columns).

Examples

library(ExperimentHub)
bm_rat <- bodymapRat()
dim(bm_rat)
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