# Package 'bodymapRat'

February 27, 2025

Title Experimental dataset from the rat BodyMap project  Version 1.23.0  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 git_url https://git.bioconductor.org/packages/bodymapRat git_branch devel git_last_commit_date 2024-10-29  Repository Bioconductor 3.21  Date/Publication 2025-02-27  Author Stephanie Hicks [aut, cre] (ORCID:	rebluary 27, 2023
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2 bodymapRat

Index 3

bodymapRat Experimental dataset from the rat BodyMap project

### 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)</pre>

## **Index**

 ${\tt bodymapRat}, \textcolor{red}{2}$