

Package ‘iSEEhub’

May 9, 2024

Title iSEE for the Bioconductor ExperimentHub

Version 1.6.0

Date 2023-07-02

Description This package defines a custom landing page for an iSEE app interfacing with the Bioconductor ExperimentHub. The landing page allows users to browse the ExperimentHub, select a data set, download and cache it, and import it directly into a Bioconductor iSEE app.

License Artistic-2.0

URL <https://github.com/iSEE/iSEEhub>

BugReports <https://support.bioconductor.org/t/iSEEhub>

biocViews DataImport, ImmunoOncology Infrastructure, ShinyApps, SingleCell, Software

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.2.1

Depends SummarizedExperiment, SingleCellExperiment, ExperimentHub

Imports AnnotationHub, BiocManager, DT, iSEE, methods, rintrojs, S4Vectors, shiny, shinydashboard, shinyjs, utils

Suggests BiocStyle, covr, knitr, RefManageR, rmarkdown, sessioninfo, testthat (>= 3.0.0), nullrangesData

Enhances BioPlex, biscuiteerData, bodymapRat, CLLmethylation, CopyNeutralIMA, curatedAdipoArray, curatedAdipoChIP, curatedMetagenomicData, curatedTCGAData, DMRcatedata, DuoClustering2018, easierData, emtdata, epimutacionsData, FieldEffectCrc, GenomicDistributionsData, GSE103322, GSE13015, GSE62944, HDCytoData, HMP16SData, HumanAffyData, imcdatasets, mcsurvdata, MetaGxBreast, MetaGxOvarian, MetaGxPancreas, MethylSeqData, muscData, NxtIRFdata, ObMiTi, quantiseqr, restfulSEData, RLHub, sesameData, SimBenchData, SingleCellMultiModal, SingleMoleculeFootprintingData, spatialDmelxsim, STexampleData, TabulaMurisData,

TabulaMurisSenisData, TENxVisiumData, tissueTreg,
VectraPolarisData, xcoredata

Config/testthat/edition 3

VignetteBuilder knitr

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

git_branch RELEASE_3_19

git_last_commit 2b7f055

git_last_commit_date 2024-04-30

Repository Bioconductor 3.19

Date/Publication 2024-05-09

Author Kevin Rue-Albrecht [aut, cre] (<<https://orcid.org/0000-0003-3899-3872>>)

Maintainer Kevin Rue-Albrecht <kevinrue67@gmail.com>

Contents

iSEEhub	2
Index	4

iSEEhub	<i>iSEEhub app</i>
---------	--------------------

Description

iSEEhub app

Usage

```
iSEEhub(ehub, runtime_install = FALSE)
```

Arguments

ehub An [ExperimentHub\(\)](#) object.

runtime_install

A logical scalar indicating whether the app may allow users whether to install data set dependencies at runtime using [BiocManager::install\(\)](#) through a modal prompt.

Value

An [iSEE\(\)](#) app with a custom landing page interfacing with ehub.

Examples

```
library(ExperimentHub)
ehub <- ExperimentHub()

app <- iSEHub(ehub)

if (interactive()) {
  shiny::runApp(app, port = 1234)
}
```

Index

`BiocManager::install()`, 2

`ExperimentHub()`, 2

`iSEE()`, 2

`iSEEhub`, 2