

Package ‘iSEEhub’

January 30, 2023

Title iSEE for the Bioconductor ExperimentHub

Version 1.0.0

Date 2022-10-14

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 Software, Infrastructure, DataImport, SingleCell, ImmunoOncology

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, epimutationsData, 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/iSEHub>

git_branch RELEASE_3_16

git_last_commit b704dd0

git_last_commit_date 2022-11-01

Date/Publication 2023-01-30

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

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

R topics documented:

iSEHub	2
Index	4

iSEHub	<i>iSEHub app</i>
--------	-------------------

Description

iSEHub app

Usage

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

Arguments

ehub	An <code>ExperimentHub()</code> object.
runtime_install	A logical scalar indicating whether the app may allow users whether to install data set dependencies at runtime using <code>BiocManager::install()</code> 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