

Package ‘iSEHub’

April 24, 2025

Title iSEE for the Bioconductor ExperimentHub

Version 1.11.0

Date 2024-10-01

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/iSEHub>

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

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, curatedTCGADData, 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/iSEEhub>
git_branch devel
git_last_commit 82adff5
git_last_commit_date 2025-04-15
Repository Bioconductor 3.22
Date/Publication 2025-04-24
Author Kevin Rue-Albrecht [aut, cre] (ORCID:
 <https://orcid.org/0000-0003-3899-3872>)
Maintainer Kevin Rue-Albrecht <kevinrue67@gmail.com>

Contents

iSEEhub	2
Index	3

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 <- iSEEhub(ehub)

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

Index

`BiocManager::install()`, [2](#)

`ExperimentHub()`, [2](#)

`iSEE()`, [2](#)

`iSEEhub`, [2](#)