

Package: Holomics (via r-universe)

November 4, 2024

Type Package

Title An User-Friendly R 'shiny' Application for Multi-Omics Data Integration and Analysis

Version 1.1.1.9000

Description A 'shiny' application, which allows you to perform single- and multi-omics analyses using your own omics datasets. After the upload of the omics datasets and a metadata file, single-omics is performed for feature selection and dataset reduction. These datasets are used for pairwise- and multi-omics analyses, where automatic tuning is done to identify correlations between the datasets - the end goal of the recommended 'Holomics' workflow. Methods used in the package were implemented in the package 'mixomics' by Florian Rohart, Benoît Gautier, Amrit Singh, Kim-Anh Lê Cao (2017) <[doi:10.1371/journal.pcbi.1005752](https://doi.org/10.1371/journal.pcbi.1005752)> and are described there in further detail.

License GPL (>= 3)

URL <https://github.com/MolinLab/Holomics>

BugReports <https://github.com/MolinLab/Holomics/issues>

Depends R (>= 4.0)

Imports bs4Dash (>= 2.0.2), config, dplyr, DT, ggplot2, golem, igraph, openxlsx, readxl, shiny (>= 1.6.0), shinyalert, shinybusy, shinyjs, shinyvalidate, shinyWidgets, stringr, tippy, visNetwork, mixOmics, BiocParallel, markdown, ggrepel, matrixStats, RSpectra, reshape2, tidyr, uuid

Suggests bookdown, knitr, rmarkdown, badger

VignetteBuilder knitr

Encoding UTF-8

Language en-US

LazyData true

RoxygenNote 7.1.2

Repository <https://molinlab.r-universe.dev>

RemoteUrl <https://github.com/molinlab/holomics>

RemoteRef HEAD

RemoteSha a01b674a4e10be71ed237c6570a7b67e8f6b5872

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run_app	<i>Run the Shiny Application</i>
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Description

Run the Shiny Application

Usage

```
run_app(
  onStart = NULL,
  options = list(),
  enableBookmarking = NULL,
  uiPattern = "/",
  ...
)
```

Arguments

onStart	A function that will be called before the app is actually run. This is only needed for shinyAppObj, since in the shinyAppDir case, a global .R file can be used for this purpose.
options	Named options that should be passed to the runApp call (these can be any of the following: "port", "launch.browser", "host", "quiet", "display.mode" and "test.mode"). You can also specify width and height parameters which provide a hint to the embedding environment about the ideal height/width for the app.
enableBookmarking	Can be one of "url", "server", or "disable". The default value, NULL, will respect the setting from any previous calls to enableBookmarking() . See enableBookmarking() for more information on bookmarking your app.
uiPattern	A regular expression that will be applied to each GET request to determine whether the ui should be used to handle the request. Note that the entire request path must match the regular expression in order for the match to be considered successful.

... arguments to pass to `golem_opts`. See `?golem::get_golem_options` for more details.

Value

No return value, called to start the Shiny application

Examples

```
## Not run:  
# Start app in the current working directory  
run_app()  
  
## End(Not run)
```

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