Package 'viewpoly'

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Title A Shiny App to Visualize Genetic Maps and QTL Analysis in
Polyploid Species

Version 0.4.1

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Description Provides a graphical user interface to integrate, visualize and explore results
from linkage and quantitative trait loci analysis, together with genomic information for autopoly-
ploid
species. The app is meant for interactive use and allows users to optionally upload differ-
ent sources
of information, including gene annotation and alignment files, enabling the exploita-
tion and search for
candidate genes in a genome browser. In its current version, 'VIEWpoly' supports in-
puts from 'MAPpoly',
'polymapR', 'diaQTL', 'QTLpoly', 'polyqtlR', 'GWASpoly', and 'HIDECAN' packages.

License GPL (>= 3)

Depends R (>= 4.0)

Imports shiny (>= 1.6.0), shinyjs, shinythemes, shinyWidgets,
shinydashboard, config (>= 0.3.1), golem (>= 0.3.1), JBrowseR,
dplyr, tidyr, DT, ggplot2, ggpubr, plotly, vroom, abind,
reshape2, markdown, stats, hidecan, purrr

URL https://github.com/mmollina/viewpoly

BugReports https://github.com/mmollina/viewpoly/issues

Encoding UTF-8

RoxygenNote 7.2.3

Suggests testthat (>= 3.0.0), shinytest, rlang, pkgload, vdiffr

Config/testthat/edition 3

Language en-US

NeedsCompilation no

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R topics documented:

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read_input_hidecan   *Check hidecan inputs*

Description

Check hidecan inputs

Usage

```
read_input_hidecan(input_list, func)
```

Arguments

input_list	shiny input result containing file path
func	hidecan read input function

---

run_app   *Run the Shiny Application*

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.

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