

Package: PlotTrellis (via r-universe)

September 29, 2026

Title Composable Genomic Track Visualisations for Non-Coders

Version 0.0.0.9000

Description A plotgardener-based genomic track composer that lets biologists build common EDA visualisations (coverage, Hi-C, splice junctions, transcript structure, protein domains) via a Shiny interface, without writing code, and download a standalone R script that reproduces the exact figure offline.

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Encoding UTF-8

Roxygen list(markdown = TRUE)

Depends R (>= 4.3)

Imports shiny, sortable, jsonlite, plotgardener, rtracklayer, GenomicFeatures, GenomicRanges, IRanges, GenomeInfoDb, AnnotationDbi, txdbmaker, svglite, S4Vectors, tools, codetools, grid, grDevices, methods, stats, utils, strawr, data.table, RSQLite, later, ggplot2

Suggests testthat (>= 3.0.0), vdiffr, httptest2, knitr, rmarkdown, BiocStyle, org.Mm.eg.db, org.Hs.eg.db

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Config/roxygen2/version 8.0.0

Config/pak/sysreqs
cmake libfontconfig1-dev libfreetype6-dev libfribidi-dev make libharfbuzz-dev libbz2-dev libicu-dev liblzma-dev libpng-dev libuv1-dev libxml2-dev libssl-dev xz-utils zlib1g-dev

Repository <https://aleks-wehi.r-universe.dev>

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PlotTrellisApp	<i>Launch the PlotTrellis Shiny app</i>
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Description

Starts the PlotTrellis genomic track composer: a 2-page Shiny app (Compose | Output) that lets you build plotgardener-based visualisations without writing code, and download a standalone R script that reproduces the exact figure offline. Blocks until the app is closed; on first run (or when re-entering project settings), automatically launches the setup wizard first and continues straight into the composer once it's saved – no separate re-launch needed.

Usage

```
PlotTrellisApp(
  project_dir = tools::R_user_dir("PlotTrellis", which = "config"),
  ...
)
```

Arguments

<code>project_dir</code>	Directory holding this project's <code>project_settings.json</code> and its cache/downloaded-script state. Defaults to a per-user config directory (via <code>tools::R_user_dir()</code>) so multiple projects can each pass their own.
<code>...</code>	Passed through to <code>shiny::runApp()</code> (e.g. <code>launch.browser</code> , <code>port</code> , <code>host</code>).

Value

Invisibly, the return value of the final `shiny::runApp()` call (e.g. once the browser tab is closed) – not a `shiny.appobj`, since this function itself runs the app rather than returning one to run.

Examples

```
if (interactive()) {
  PlotTrellisApp(project_dir = tempdir())
}
```

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