

Package: FounderForge (via r-universe)

June 22, 2026

Title Prepare Marker Data as AlphaSimR Founder Populations

Version 0.1.0

Description A point-and-click Shiny application that helps non-programmers prepare their own marker data (VCF, HapMap, numeric genotype matrices or PLINK) as a founder population for AlphaSimR simulations. It guides users through uploading data, quality-control review, filtering (MAF, missingness, monomorphic markers), optional trait definition and export of the objects required by `AlphaSimR::newMapPop()`, with progress feedback, helpful errors, optional before/after PCA validation and a full text log of the run.

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URL <https://ebenogoe.github.io/FounderForge/>,
<https://github.com/ebenogoe/FounderForge>

BugReports <https://github.com/ebenogoe/FounderForge/issues>

Depends R (>= 3.5.0)

Imports AlphaSimR, bsicons, bslib, config (>= 0.3.1), data.table, DT, ggplot2, golem (>= 0.5.1), rlang, shiny (>= 1.7.0), shinybusy, shinyFiles, shinyWidgets, stats, utils, vcfR

Suggests patchwork, testthat (>= 3.0.0)

Encoding UTF-8

Language en-US

LazyData true

RoxygenNote 7.3.3

Config/testthat/edition 3

Config/pak/sysreqs cmake make libicu-dev libuv1-dev zlib1g-dev

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

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RemoteUrl <https://github.com/ebenogoe/FounderForge>

RemoteRef HEAD

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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.

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