**About**

The source code for this webapp is available on Github (<https://github.com/willgearty/Schizomida>) and contributions to the database are welcome via Github issues. We used the *shiny* R package (Chang et al., 2023) to build the basic Shiny App framework. This converts normal R code into a server-based webapp. We extended this with many other shiny-adjacent R packages. We used the *shinyjs* package (Attali, 2021) to perform JavaScript functions via the user’s browser. We used the *htmltools* package (Cheng et al., 2023) to customize the appearance of the user interface (UI). We used the *prompter* package (Bacher, 2021) to add hover tooltips to many of the UI elements. We used the *fontawesome* package (Iannone, 2023) to add icons to various UI elements. We used the *DT* package (Xie et al., 2023) to render and update data tables in the UI. We used the *dplyr* (Wickham et al., 2023), *openxlsx* (Schauberger & Walker, 2023), *janitor* (Firke, 2023), and *Hmisc* (Harrell, 2023) packages for data cleaning and preparation. Finally, we used the *shinylive* package (Schloerke & Chang, 2023) to compile our data and code to the webR language for use as a serverless Github-hosted website.

Attali, D. (2021). shinyjs: Easily Improve the User Experience of Your Shiny Apps in Seconds. [https://CRAN.R-project.org/package=shinyjs](https://cran.r-project.org/package=shinyjs)

Bacher, E. (2021). prompter: Add Tooltips in “Shiny” Apps with “Hint.css.” <https://CRAN.R-project.org/package=prompter>

Chang, W., Cheng, J., Allaire, J. J., Sievert, C., Schloerke, B., Xie, Y., Allen, J., McPherson, J., Dipert, A., & Borges, B. (2023). shiny: Web Application Framework for R. <https://CRAN.R-project.org/package=shiny>

Cheng, J., Sievert, C., Schloerke, B., Chang, W., Xie, Y., & Allen, J. (2023). htmltools: Tools for HTML. <https://CRAN.R-project.org/package=htmltools>

Firke, S. (2023). janitor: Simple Tools for Examining and Cleaning Dirty Data. <https://CRAN.R-project.org/package=janitor>

Harrell, F. E. (2023). Hmisc: Harrell Miscellaneous. <https://CRAN.R-project.org/package=Hmisc>

Iannone, R. (2023). fontawesome: Easily Work with “Font Awesome” Icons. <https://CRAN.R-project.org/package=fontawesome>

Schauberger, P., & Walker, A. (2023). openxlsx: Read, Write and Edit xlsx Files. <https://CRAN.R-project.org/package=openxlsx>

Schloerke, B., & Chang, W. (2023). shinylive: Run Shiny applications in the browser.

Wickham, H., François, R., Henry, L., Müller, K., & Vaughan, D. (2023). dplyr: A Grammar of Data Manipulation. <https://CRAN.R-project.org/package=dplyr>

Xie, Y., Cheng, J., & Tan, X. (2023). DT: A Wrapper of the JavaScript Library “DataTables.” <https://CRAN.R-project.org/package=DT>

**Contact**

Schizomida Trait Data Base (STDB)

[Sandro Pascal Müller](mailto:S.Muller1@universityofgalway.ie)

[Ilian De Francesco Magnussen](mailto:ilian.de.francesco.magnussen@gmail.com)

Shiny App Development

[William Gearty](https://williamgearty.com/)