Availability of Code

This code was made to analyze the output data of the VICTOR X3 plate reader, its purpose is to analyze fluorescence and bacterial growth over time in cells exposed to different concentrations of compounds and concentrations (which can be altered in the line 222 and 223 respectively, the normalization and biological triplicates used for are represented in image 1, some examples of the code output are found in image 2 and a screen in Rstudio which shows how to manipulate the code and how the results can be visualized to make modifications to it, if necessary (Figure 3).

Figure 1. Experimental schematic representation of plaque for screening expression of flourescent proteins.

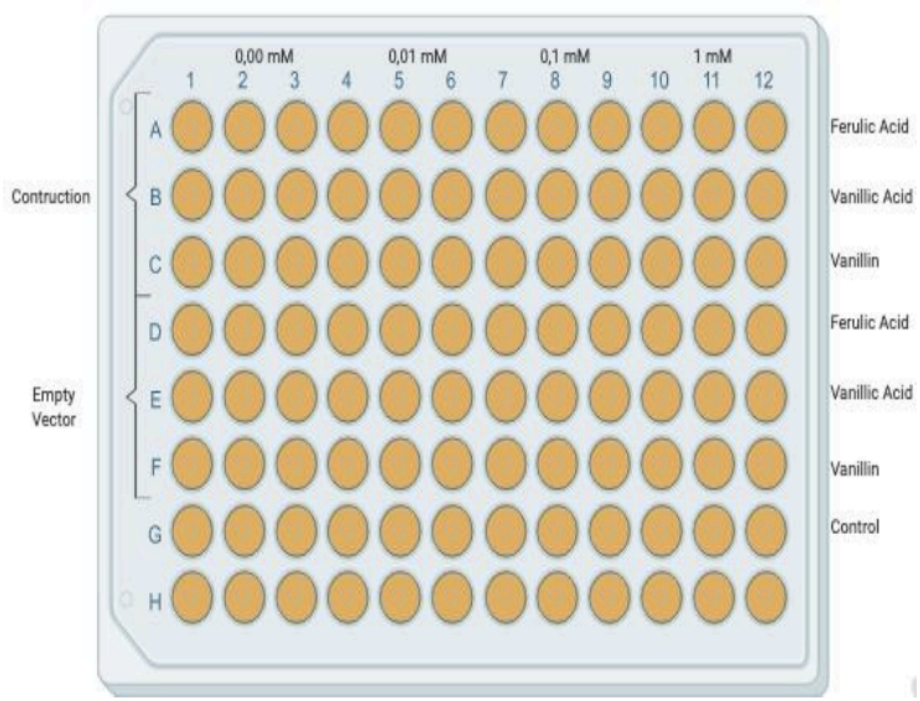


Figure 2. Example Results

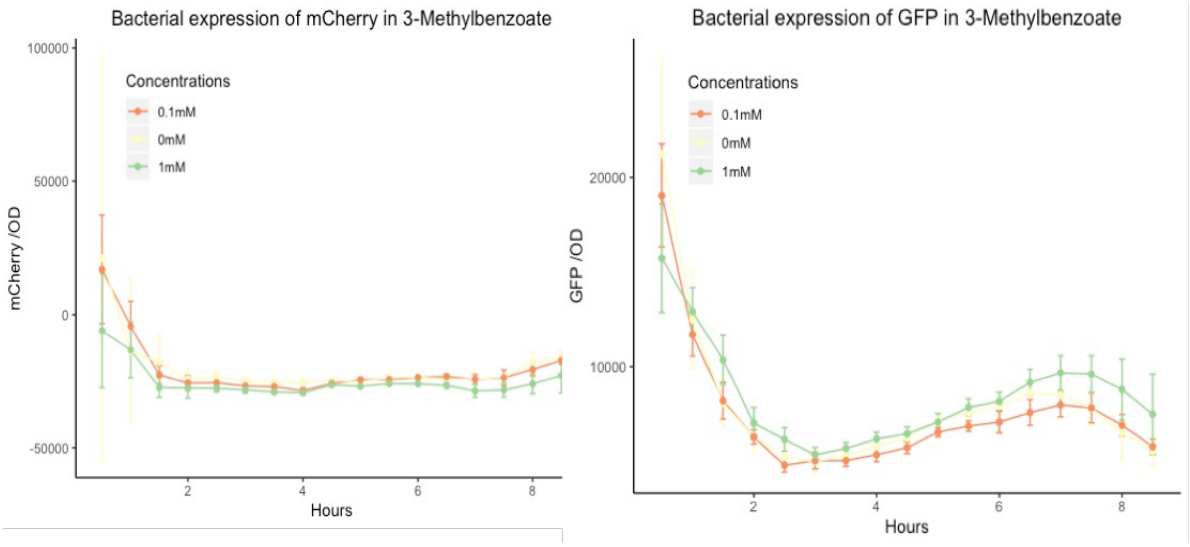
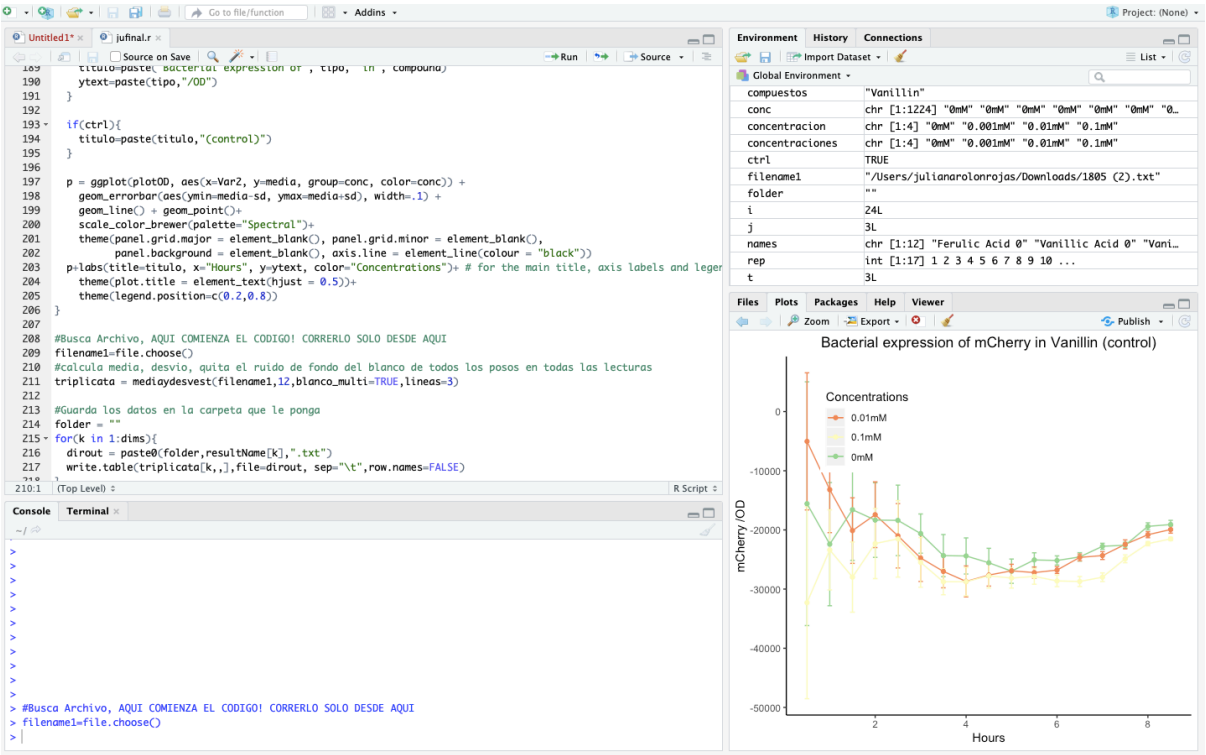


Figure 3. Experimental schematic representation of plaque for screening expression of flourescent proteins



This code is the result of the Development of synthetic biology tools by methods in silico and in vivo applied project to bacteria of biotechnology importance, and was carried out by Ms (c) Maria Juliana Rolon Rojas and Ms Adriano Silva (https://github.com/adri4nogomes) in the Systems and Synthetic Biology laboratory of Cellular Biology at the University of Sao Paulo USP.