**AGRO-932 Homework 1**

Due Tuesday, Feb 11, 2025

Format: submit online through GitHub pull request

Establish a version-controlled directory system to host the project. Show your work in the GitHub repository in a user-friendly and reproducible manner. Note that in future labs, we will use these data for practice. Please ensure that you follow the suggestions to download the data at a manageable scale.

For the plant species you are most interested in (ideally, the one you are working on), find a literature source where a selection scan has been conducted. Focus on their experimental design and describe the methods as the text chunk in R Notebook in your own words, including details such as genome size, sequencing methods, and the ancestral species used.

In the code chunk, download a subset of the data (n <10 for the wild population and n<10 for the domesticated population) to HCC and include the reference genome and gene annotation files for the species.

Document everything on GitHub (including the text and code), consider me as your collaborator on this selection scan project, and submit a pull request (or send me the new GitHub Repo via email).