PLAZA workshop

Workbench Registration and Data Upload

October 25-26, 2021

# Topics Covered

In this series of exercises you will learn how to register for a PLAZA workbench account, create workbench experiments, and upload data into a workbench experiment.

# Data Content

In this series of exercises we will make use of an existing data set from a publication.

Title: Transcript profiling reveals diverse roles of auxin-responsive genes during reproductive development and abiotic stress in rice
PubMed ID: 19490115
Data: Supplemental Table 1 contains 210 up-regulated and 71 down-regulated genes
Download: Download the data from the PLAZA FTP:

* Location : https://ftp.psb.ugent.be/pub/plaza/workshop/ELIXIR/2021/data/
* Name: FEBS\_7033\_sm\_Supplemental\_Table\_S1.xls

# Exercises

## Part 1: Workbench Registration

1. Register for a workbench account in the **Monocot 4.5** PLAZA [Analyze 🡪 Workbench 🡪 Register ]

## Part 2: Experiment Creation

1. Create two workbench experiments in the **Monocot 4.5** PLAZA : one for the up-regulated genes and one for the down-regulated genes [Analyze 🡪 Workbench 🡪 Login ]
2. Upload the data from the excel-sheet into the corresponding workbench experiments [Experiment-page 🡪Import using gene identifier]