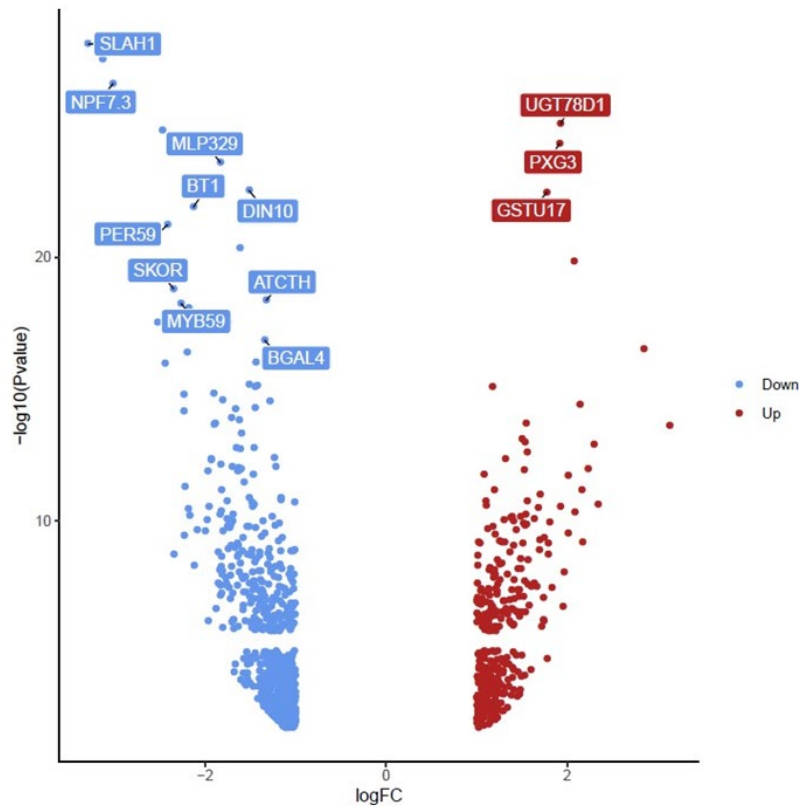


Activity 5: Arabidopsis Study (GLDS-38) Volcano Plot

Curricular Unit
Student Materials

Instructions: Look at the volcano plot below and answer the questions.



1. What do the blue dots on the volcano plot represent?
2. What do the red dots on the volcano plot represent?
3. Which gene was the most downregulated? Upregulated?
4. Go to [TAIR - Home Page \(arabidopsis.org\)](http://arabidopsis.org) and search for the function of these genes. Propose reasons that explain why regulation of these genes would change in space. (*You will learn more about genes and their expression in a future lesson.*)