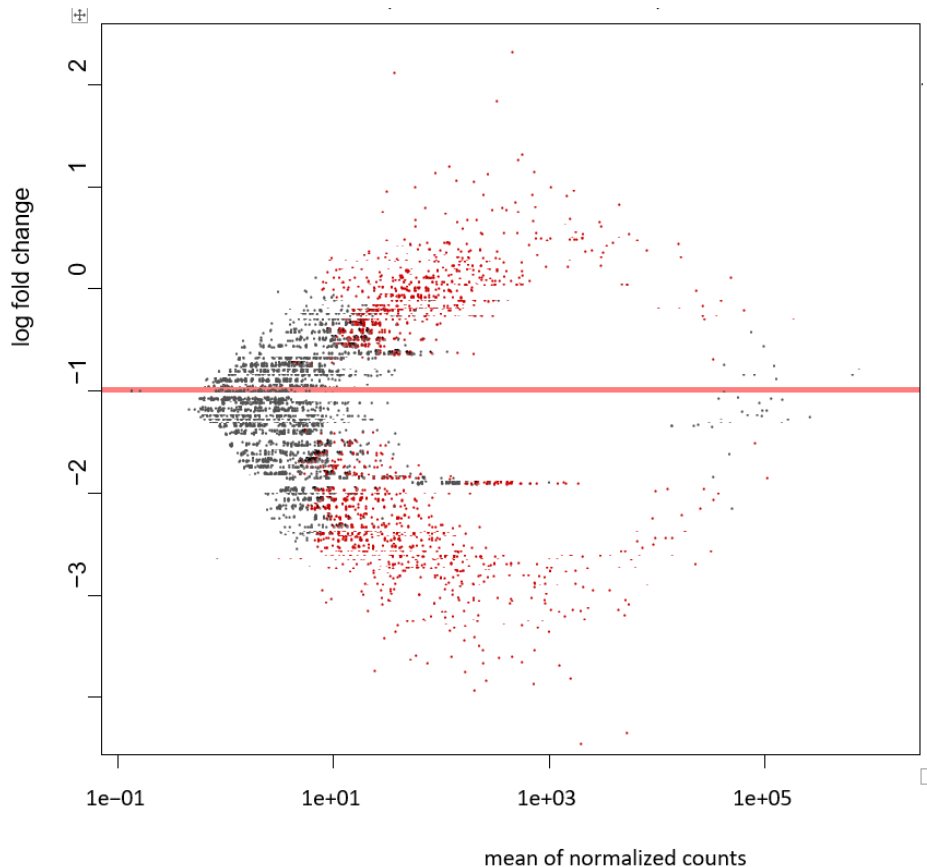


Activity 4: Arabidopsis Study (GLDS-38) MA-plot for Spaceflight vs Ground Control

Curricular Unit Teacher Materials

Instructions: Look at the MA plot below and answer the questions. (Teachers: Please reference the supplemental file that explains generation of this graph and what the information in it reveals.)



1. What do the dots represent?

A gene or feature

2. What do the red dots represent?

These are genes that were significantly changed

3. After discussing the impacts of spaceflight on plants and looking at the MAplot, what can you infer?

Answers will vary.

Example: Gene expression in plants is affected by space flight. Some genes are impacted more than others.

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