

Supplementary Materials for

The Matrix: Meta-analysis of the space flight and microgravity response of the *Arabidopsis* plant transcriptome

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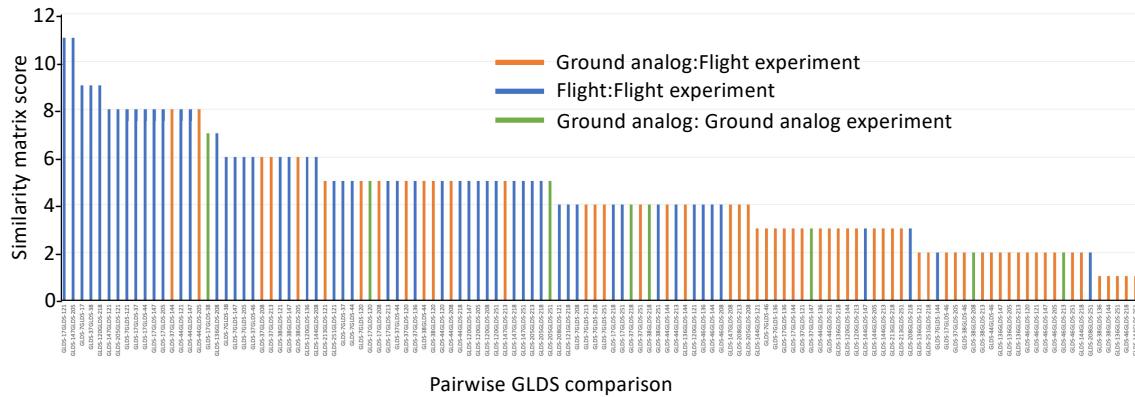
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This PDF file includes:

Fig. S1
Fig. S2

Other supplementary materials for this manuscript include the following:

Supplementary Data 1-7

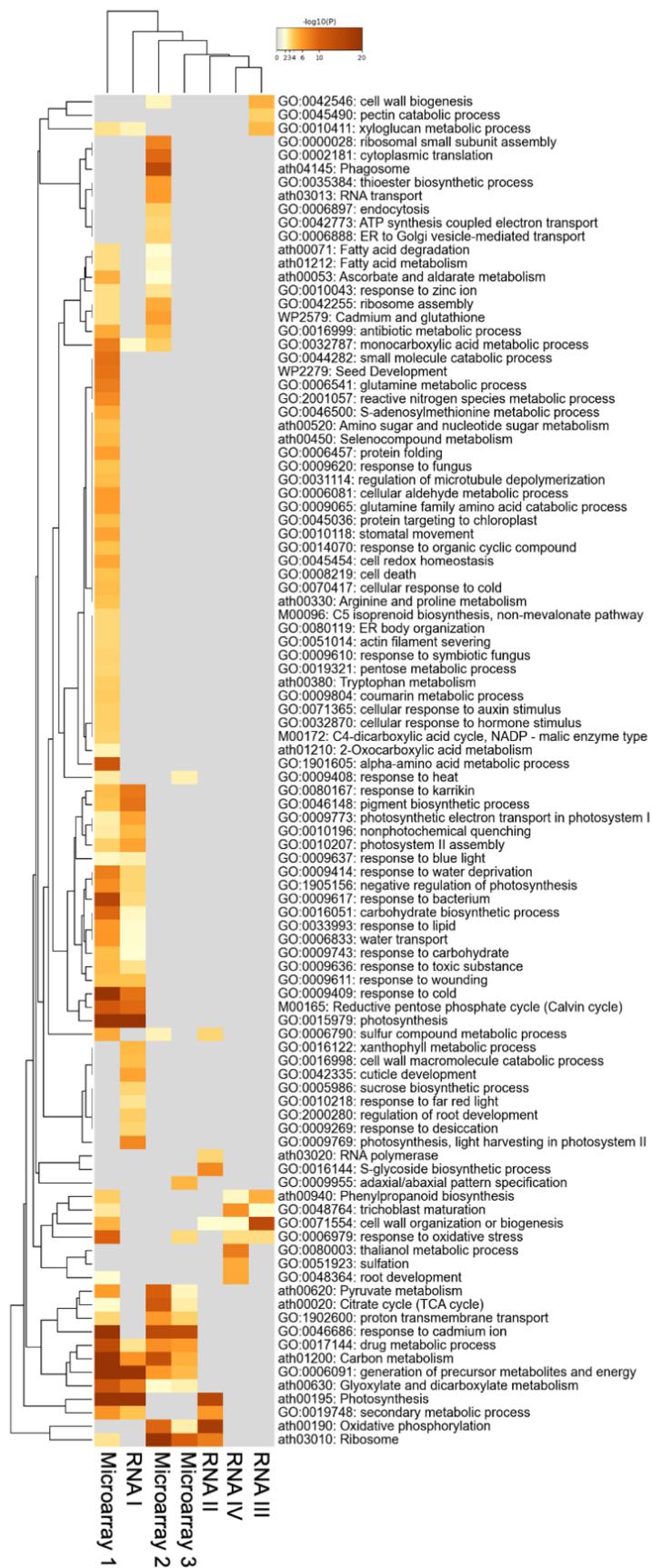


Supplementary Figure 1. Pairwise similarity scores of spaceflight-to-spaceflight, spaceflight-to-ground analog and ground analog -to-ground analog studies.

Similarity scores were drawn from the similarity matrix in Supplementary Data Table 2.

Orange, Flight mission study vs ground analog study; Blue, flight mission vs flight

mission; Green, ground analog study vs ground analog study. Note, in this analysis, spaceflight studies are most similar to other spaceflight studies and least similar to ground analog experiments, which in turn are most similar to each other.



Supplementary Figure 2. Unguided WGCNA clustering of the datasets within the Matrix defines 3 clades in the microarray data and 4 in the RNA-seq-based analyses.

Significantly enriched ontology terms in each clade are shown. Analysis using Metascape. This data was used to generate the figure showing overlap in ontologies in Fig. 5b and the top 20 enriched ontologies are reproduced in Fig. 5d.