

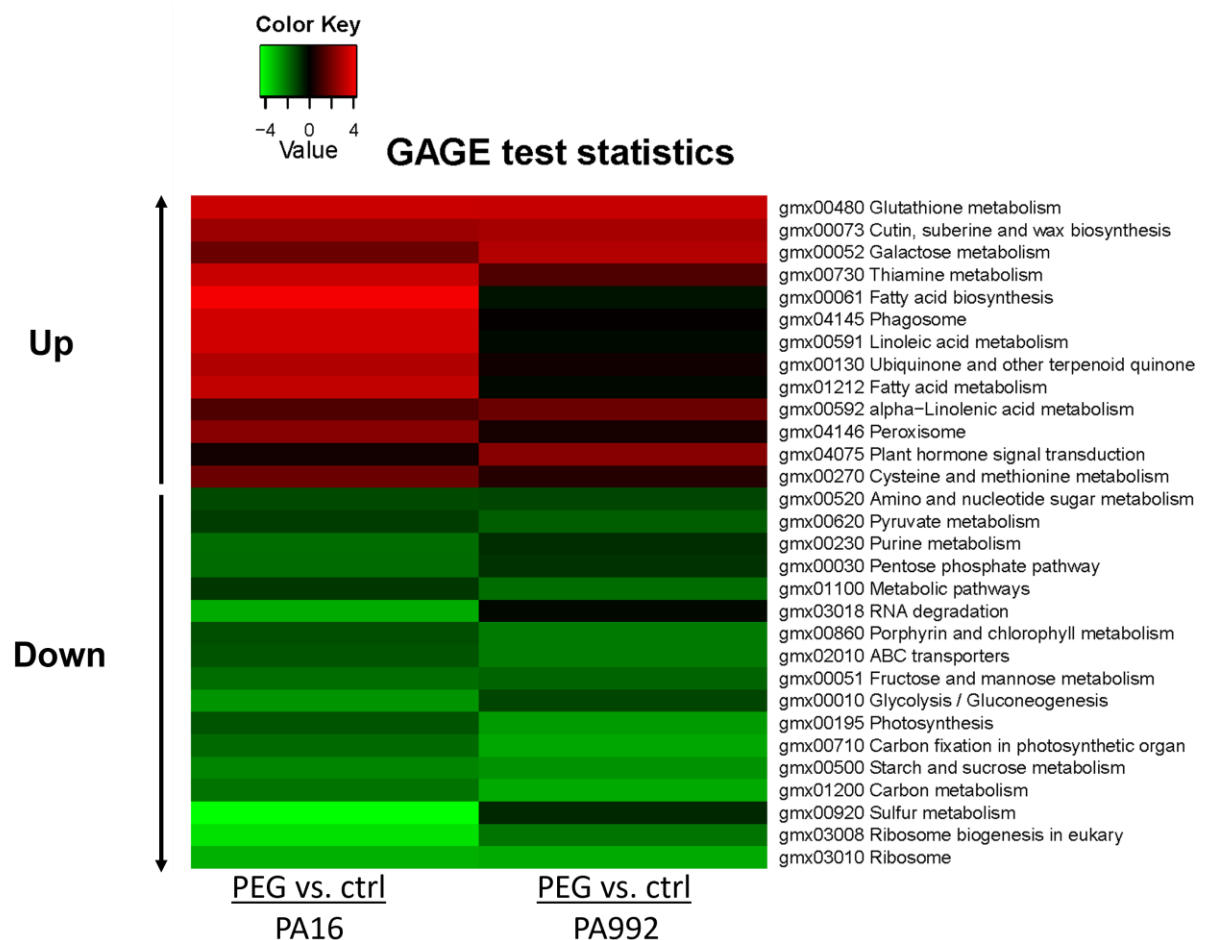


Figure S3- The heatmap illustrates KEGG pathways linked to differentially expressed genes, with red highlighting pathways enriched with upregulated DEGs and green denoting those with downregulated DEGs. GAGE analysis was performed, and the most significant pathways were visualized using the Pathview web tool. The color bar represents the intensity and log2 fold change values of the DEGs. The gradient transitions from blue (arrow in downward direction), representing downregulation, to red, indicating upregulation (arrow in upward direction).