

Peer Review

Review of: "Microarray Profiling of Arabidopsis thaliana Transcriptome: A Genome-Wide Exploration of High Light Stress Responses"

ByungHoon Kim¹

1. University of North Alabama, Florence, United States

This work re-analyzed a previously deposited dataset (GEO dataset GSE22671), which was already published (González-Pérez et al., 2011; PMID: 21531897). However, the manuscript did not provide any justification for such a redundant analysis, which is very important for publication. Some other comments are provided below.

1. The experimental conditions are not clearly mentioned in detail. The exact conditions for control, dark, and high-light treated samples should be provided.
2. The actual expression data for the responsive genes are not presented at all. Tables of expression data for some important responsive genes should be presented, possibly with real-time PCR validations.
3. The data figures are too small to view. The letters are not legible.
4. Figure 5 was not explicitly mentioned in the text.

Declarations

Potential competing interests: No potential competing interests to declare.