

Supplementary Information

Supplementary Data Set 1

Table S1: List and description of differentially downregulated genes (≥ 2 -fold; $P < 0.05$) in *Arabidopsis thaliana* plants under L treatment. FC: Absolute fold-change between L and Control-L (CL) treatments. (P): putative genes.

Table S2: List and description of differentially upregulated genes (≥ 2 -fold; $P < 0.05$) in *Arabidopsis thaliana* plants under L treatment. FC: Absolute fold-change between L and Control-L (CL) treatments. (P): putative genes.

Table S3: List and description of differentially downregulated genes (≥ 2 -fold; $P < 0.05$) in *Arabidopsis thaliana* plants under H treatment. FC: Absolute fold-change between H and Control-H (CH) treatments. (P): putative genes.

Table S4: List and description of differentially upregulated genes (≥ 2 -fold; $P < 0.05$) in *Arabidopsis thaliana* plants under H treatment. FC: Absolute fold-change between H and Control-H (CH) treatments. (P): putative genes.

Supplementary Data Set 2

Table S5: Downregulated genes in *Arabidopsis thaliana* plants shared by both metal (L: low and H: high) treatments. The “Score” was obtained after the sum of gene fold-change (FC) position in each treatment. (P): putative genes. In bold, genes selected for RT-qPCR validation.

Table S6: Upregulated genes in *Arabidopsis thaliana* plants shared by both metal (L: low and H: high) treatments. The “Score” was obtained after the sum of gene fold-change (FC) position in each treatment. (P): putative genes. In bold, genes selected for RT-qPCR validation.