Supplementary Information

Identification and characterization of pineapple leaf lncRNAs in crassulacean acid metabolism

(CAM) photosynthesis pathway

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Supplemental Figure 1. The pineapple leaf that used to collect RNA-seq samples is shown. The white base and green tip tissue used in the RNA-seq experiment are label on the bottom.

Supplemental Figure 2. An integrative computational pipeline for the systematic identification of lncRNAs in pineapple. CPC, Coding Potential Calculator; ME, multiple exon; SE, single exon.

Supplemental Figure 3. The whole co-expression network profiles among 1406 differentially expressed genes and 44 differentially expressed lncRNAs (DELs). The red nodes stand for lncRNAs and blue boxes represent protein coding genes. The positive connections are showed by black line and negative connections are showed by purple line.

Supplemental Figure 4. The scatter plot of tissue specificity measured by two methods: Tau score and Hg score.

Supplemental Table 1. The information of predicated long noncoding RNAs.

Supplemental Table 2. Co-expression analysis between pairwise lncRNAs and mRNAs.

Supplemental Table 3. GO enrichment and KEGG analysis for trans-regulatory target genes.

Supplemental Table 4. The co-expression network analysis for differentially expressed genes and differentially expressed lncRNAs.

Supplemental Table 5. The genes information of GO term proton transport and hydrogen transport.

Supplemental Table 6. The information of putative ceRNAs.

Supplemental Table 7. ceRNA target-target and target-mimic pairs.

Supplemental Table 8. lncRNAs cycling in green leaf tip or white leaf base.

Supplemental Table 9. ceRNAs cycling in green leaf tip or white leaf base.







