

Description of additional supplementary files

Title: Supplementary Data 1

Description: Protein-coding genes may have wrong structure annotation in *Cac* genome assembly v2.4 compare with *C. acuminata* V3.0.

Title: Supplementary Data 2

Description: Expression abundance matrix (fragments per kb exon model per million mapped reads) from 15 tissues of *C. acuminata*.

Title: Supplementary Data 3

Description: Differential expressed genes and their expression abundance matrix (fragments per kb exon model per million mapped reads) from 15 tissues of *C. acuminata*.

Title: Supplementary Data 4

Description: Genes classified into 30 modules in different colors by WGCNA.

Title: Supplementary Data 5

Description: Selection analysis of LAMT using the branch site model (BSM). Significance was tested by two tailed likelihood ratio test (LRT) method.

Title: Supplementary Data 6

Description: Selection analysis of LAMT using the branch model (BM). Significance was tested by two tailed likelihood ratio test (LRT) method.

Title: Supplementary Data 7

Description: Summary of relative activity of the LAMTs.

Title: Supplementary Data 8

Description: Selection analysis of SLS/SLAS using the branch site model (BSM). Significance was tested by two tailed likelihood ratio test (LRT) method.