

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Enriched pathway categories for DEGs of *E. crus-galli* during allelopathy against rice using the Mapman software.

File Name: Supplementary Data 2

Description: Expression patterns for genes in the three identified DIMBOA cluster copies in the *E. crus-galli* genome.

File Name: Supplementary Data 3

Description: The list of gene names in the phylogenetic trees showed in Supplementary Fig. 8.

File Name: Supplementary Data 4

Description: Statistics for each step during *E. crus-galli* genome assembly.