



Additional File 4: Fig. S4 Confirmation of the overexpression of *Z3* by the CaMV 35S promoter in six independent complementation lines.

a Genomic PCR analysis for confirmation of rice transformation. The genomic region between the vector and the *Z3* transgene was amplified in the transformed lines. All six independent lines were confirmed to be transformed. Primer information is listed in **Additional file 8: Table S1**. EV, empty vector; Control, vector used for transformation without the *Z3* gene. **b** The overexpression of *Z3* by the CaMV 35S promoter in six independent complementation lines. Primers were designed to amplify the transgene mRNA, and are listed in **Additional file 8: Table S1**. The *GAPDH* mRNA level was measured as a loading control.