

Figure S1. Construction of *pmiR408:GUS* vectors and validated by PCR. (A) Schematic diagram of *pmiR408:GUS* vectors construction (e.g., *miR408a*). (B) *pmiR408*. (C) *pmiR408-i*. (D) GUS-JC.

M: DNA marker, 1: *miR408a*, 2: *miR408b*, 3: *miR408c*, 4: *miR408d*.

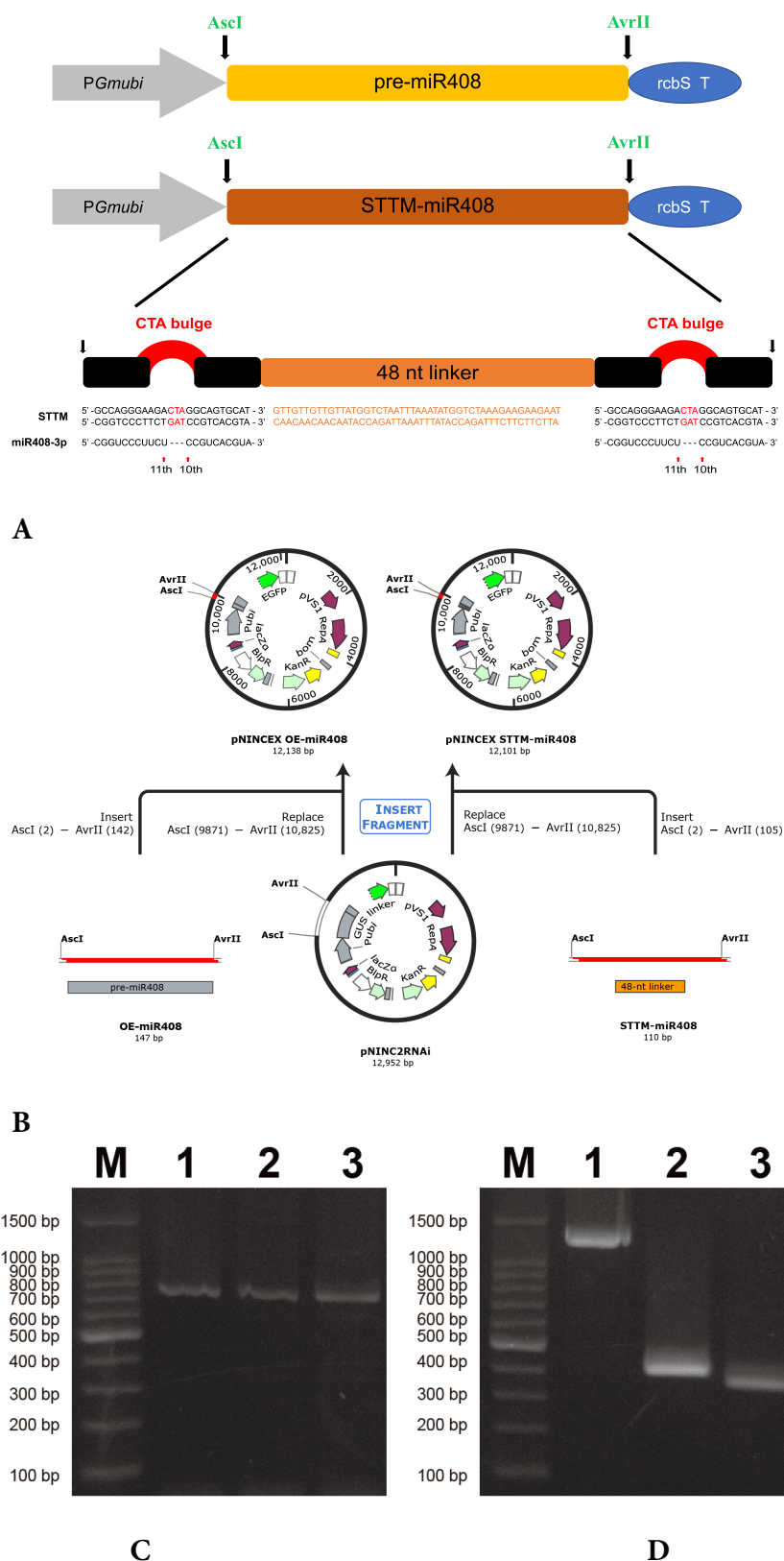


Figure S2. Construction of *gma-miR408* overexpression and silencing vectors and validated by PCR. (A) Diagram of the *gma-miR408* overexpression and STTM sequences construction. *PGmubi* represents the Ubiquitin promoter and *rcbS T* represents the *rcbS* terminator. (B) Schematic diagram of overexpression and silencing of *miR408* vector construction. (C) Positive validation of vectors transfer into *A. rhizogenes* K599 by EGFP. (D) Positive validation of vectors transfer into *A. rhizogenes* K599 by JC. M: DNA marker, 1: EV, 2: OE-miR408, 3: STTM-miR408.

Enzymes related to differentially expressed genes in the pathway diagram are marked with different colors. The enzymes marked in red boxes are related to up-regulated genes, and the enzymes marked in green boxes are related to down-regulated genes. Enzymes marked by blue boxes are associated with both up and down-regulated genes. The upper box represents EV vs OE, and the lower box represents EV vs STTM.

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