

Table S1 Formula of Japanese Garden Test Nutrient Solution (1.0 unit)

Formula	Macroelement					Microelement				
composition	MgSO ₄ ·7H ₂ O	(NH ₄) ₂ HPO ₄	Ca(NO ₃) ₂ ·4H ₂ O	KNO ₃	Fe	B	Mn	Zn	Cu	Mo
Content	492.00	152.00	944.00	808.00	3.00	0.50	0.50	0.05	0.02	0.01

Note: The content in the table is one unit of nutrient solution, and the amount used in our experiment was a half unit.

Table S2 List of primers used for RT-qPCR in Chinese cabbage

Primer Name	Sequence (5' to 3')-F	Sequence (5' to 3')-R	Gene ID
<i>Actin</i>	GTCTGTTCAGCCTTCGTTC	CAAGTCCTTCCTGATATCCACGTC	BrA06g023770.3C
<i>NR</i>	ATCCAAGATTCCCCAACGG	GCCTCGGTGATAAACCCCTGT	BrA07g005240.3C
<i>NiR</i>	TCCGCCATGACTTCCTCTT	ACTCCGTAACACGAACACCTT	BrA09g010360.3C
<i>GOGAT</i>	TCCGAACCTCTAACCGAAAT	TTGGACAACGCAATCAGC	BrA03g014440.3C
<i>GS</i>	CGGGTGAACCAATCCCTACG	CGACCTGGAACCTCCCACTGAC	BrA02g016970.3C
<i>GDH</i>	CAGAACATGTGTCTGGCTTGT	AAGCACTCCAAGAAGTAAATGT	BrA10g021930.3C