

Supplementary Material

Transcriptional analysis revealed the response mechanism of ‘Kangxian 2’ to soybean cyst nematode (*Heterodera glycines Ichinohe*) HG Type 0

Haipeng Jiang^A, Fanshan Bu^A, Lizheng Tian^A, Qiuxia Sun^A, Dongfang Bao^A, Xue Zhao^A and Yingpeng Han^{A,B}

^AKey Laboratory of Soybean Biology in Chinese Ministry of Education (Northeastern Key Laboratory of Soybean Biology and Genetics and Breeding in Chinese Ministry of Agriculture), Northeast Agricultural University, Harbin 150030, China.

^BCorresponding author. Email: hyp234286@aliyun.com

Table S1. Quantitative primers for the differentially expressed genes

Gene ID	Gene		Upstream primer		Downstream primer
AF049106	<i>GmActin4</i>	F	GTTTCAAGCTCTTGCTCGTAATCA	R	GTGTCAGCCATACTGTCCCCATTT
Glyma.20G197500.3	<i>GmBSD1</i>	F	TTGCCAATAACAATAAGGAGAC	R	TAGGATGGACAACAAGGGAAACA
Glyma.20G060400.2	<i>GmC2C2-CO-like1</i>	F	CTGCCAAAGTTATACTGTCCTGC	R	CCAAACAAGCTATCAATTCCACC
Glyma.16G200700.1	<i>GmMADS</i>	F	GAGGTATCGCCAATGTCGTTACAG	R	TCGTGCCAAGAGTTTCTTCGTTT
Glyma.18G259300.1	<i>Gmzf-HD</i>	F	GCCGATCTCCTCTTACTATCCC	R	GCATCTTCTCCTTCTGCTCCTGACT
Glyma.02G105900.1	<i>GmTCP</i>	F	CACCTCCCTCAACATCTCCCTCC	R	CTCCATCACCATGCTCATGCTCC
Glyma.15G014500.1	<i>GmOFP</i>	F	TGAAAGCGTGGTTGATTGGGATT	R	CTGTGGGTTGTTGGAAGGTGTCT
Glyma.17G150800.1	<i>GmSRS</i>	F	TCCTCTTGACCAGCAATCCTTAG	R	CCGCTCCTTGTATTCTTTATCTT
Glyma.17G192200.2	<i>GmSigma70-like</i>	F	AAGAAATGCCAGATGATTACGA	R	TTAAGTTCAAGCCTTTCAGGAGA
Glyma.12G093400.3	<i>GmE2F-DP</i>	F	TTTTACTCCCTCCCAGGATTTTCG	R	TGGCGTTGTAGTGTCTCGTCAG
Glyma.13G160600.3	<i>GmBSD2</i>	F	TTCTTCTTCTTCTCCTCCTCCG	R	TCCTTACGAAACGAACAACATC
Glyma.14G001600.1	<i>GmRWP-RK</i>	F	GCACATGACCAGGTCGTGTTTGG	R	ACCTCGTTATGCCGTGCTGTCTG
Glyma.06G059600.1	<i>GmC2C2-CO-like2</i>	F	AGCAACTTCGAGCCGTTACACCTA	R	ACCTCAACTCTAGCCTCCCTATCC
Glyma.17G251500.2	<i>GmTUB</i>	F	CACCACCATCATCATCTTCTTCT	R	CCACAACCTACAACTGAGGCAC
Glyma.09G098400.1	<i>GmTAZ</i>	F	ATGCTGCGGAGGTGAAGAGGGAG	R	GACAAAGATAGGAATGGAGTCGAAAGA