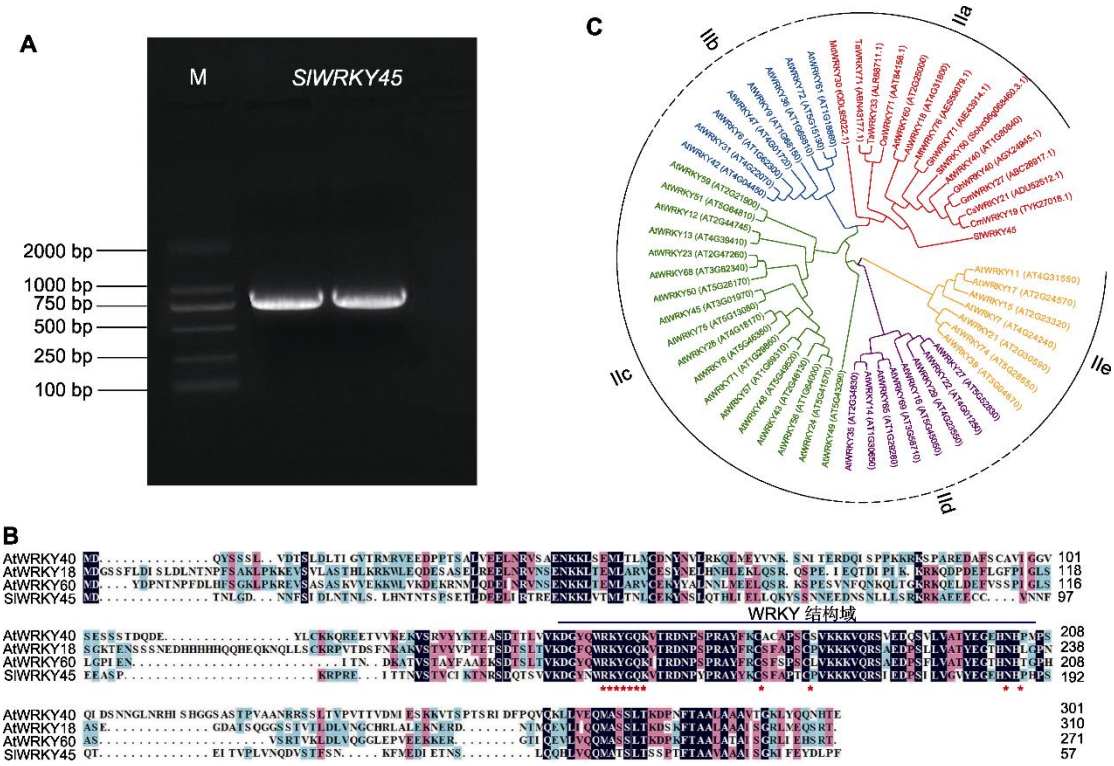
附表1 本研究所用的引物

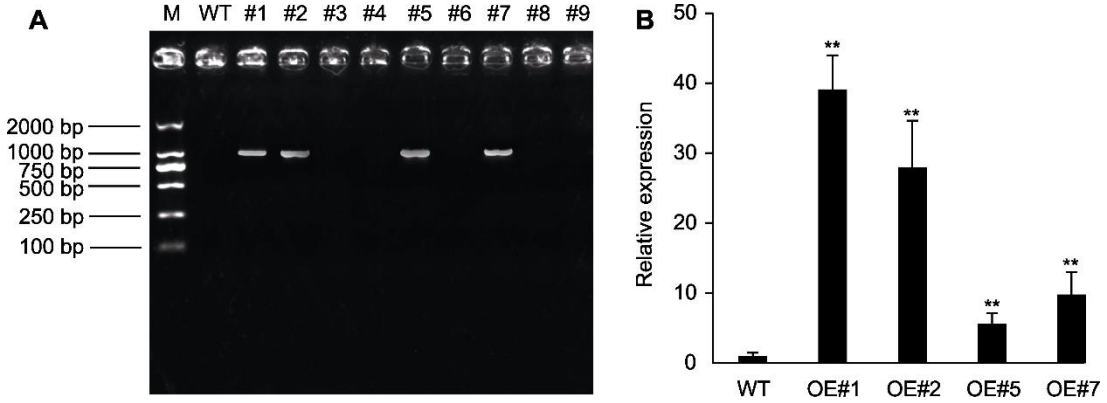
Appendix table 1 The primers used in this study

Application	Primer name	Primer sequence (5′–3′)
Coding sequence (CDS) clone	*SlWRKY45*-cds-F	ATGGATACAAACTTGGGAGAC
	SlWRKY45-cds-R	TTAATTGAAAGGCAAATCATA
qRT-PCR	*SlWRKY45*-Q-F	ACCATCCTCATCCATCCCAA
	SlWRKY45-Q-R	TGAAAGTAGGGCTGCTGGTT
	SlSOD3-Q-F	AATCTTCACCACAACCAGCAC
	SlSOD3-Q-R	AAGGGGTTTAGGGGTAGTGAC
	SlPOD1-Q-F	CAGCTTCCATCACCTTTCGAG
	SlPOD1-Q-R	TTGAGCAAATCCAAGGGTGTG
	SlPOD-Q-F	GGAGTTGTTTTGGCTGGAGG
	SlPOD-Q-R	GCCCCTGATAGAGCAACAAG
	SlWRKY80-Q-F	AGGAGAAGCAAGACCGTAGAG
	SlWRKY80-Q-R	CTTGATCGTACTTGTGGGTGC
	SlMYB15-Q-F	TGGGATCACGAAGAAGACCAA
	SlMYB15-Q-R	TCCCGGTAATCTTGCTGCTAT
	SlERF20-Q-F	GGCAGCTTATTCAATGAGGGG
	SlERF20-Q-R	GATGACGATGATGATGAAGCCA
Reference gene	*SlEF1α*-F	GACAGGCGTTCAGGTAAGG
	SlEF1α-R	CCAATGGAGGGTATTCAGC
Yeast vector construction	SlWRKY45-BD-F	CATGGAGGCCGAATTCATGGATACAAACTTGGGAGAC
	SlWRKY45-BD-R	GCAGGTCGACGGATCCTTAATTGAAAGGCAAATCATA
	SlWRKY45-AD-F	GGAGGCCAGTGAATTCATGGATACAAACTTGGGAGAC
	SlWRKY45-AD-R	CGAGCTCGATGGATCCTTAATTGAAAGGCAAATCATA
	SlWRKY46-BD-F	GGAGGCCAGTGAATTCATGGGAAACAAGTCTTTTTTTA
	SlWRKY46-BD-R	CGAGCTCGATGGATCCTCAAAAAAGTAATCCTGAGATG
BiFC vector construction	SlWRKY45-NY-F	TCGAGGACGCCGGCGGATCCATGGATACAAACTTGGGAGACAAT
	SlWRKY45-NY-R	CTCTGCAGGTCGACTCTAGATTAATTGAAAGGCAAATCATATTCG
	SlWRKY46-CY-F	TTACAGGTACCCGGGGATCCATGGGAAACAAGTCTTTTTTTATTG
	SlWRKY46-CY-R	CCACCGCCGTCGACTCTAGAAAAAAGTAATCCTGAGATGGCTGT
Dual-Luciferase vector construction	SlWRKY45-SK-F	ATTTGGAGAGGACAGCCCACCACCATGGATACAAACTTGGGAGACA
	SlWRKY45-SK-R	AGAGAGAGACTGGTGATTTCAGCGTTAATTGAAAGGCAAATCATATT
	SlPOD pro-LUC-F	TTCTACTGATTTTTCCTCGAAATAAAGATAAATTAAAATGT
	SlPOD pro-LUC-R	TAGTGGATCTGGATTTTAGTTTATAGGCATAAAAACACGTTA
	SlPOD1 pro -LUC-F	TTCTACTGATTTTTCCTCGACAATATATATTTTGATAGTA
	SlPOD1 pro -LUC-R	TAGTGGATCTGGATTTTAGTAGGTGAAGACTTATAATTACT
Overexpressing vector construction	*SlWRYK45*-OE-F	AAAAAGCAGGCTA ATGGATACAAACTTGGGAGAC
	SlWRYK45-OE-R	AGAAAGCTGGG TTAATTGAAAGGCAAATCATA
Overexpression tomato line identification	pGWB-35S-F	AGGCTTACGCAGCAGGTCT
	pGWB-R	GGCAGAGGCATCTTCAACG



附图1 *SlWRKY45*的编码序列(CDS)克隆**(A)**、WRKY蛋白序列的多序列比对**(B)**和系统进化树**(C)**
蓝色线条区域代表WRKY结构域。红色星号代表高度保守的氨基酸位点。

Appendix figure 2 Coding sequence (CDS) cloning of *SlWRKY45* **(A)**, multiple alignment **(B)** and phylogenetic tree **(C)** of WRKY proteins
The blue line represents the WRKY domain. Red asterisks represent highly conserved amino acids.



附图2 *SlWRKY45*-OE转基因番茄株系的PCR **(A)**和表达**(B)**鉴定
(B) *SlWRKY45*的相对表达量以WT为对照。WT: 野生型。#1、#2、#5和#7为不同的转基因株系。**表示在*P*<0.01水平上差异显著。

Appendix figure 2 PCR **(A)** and expression **(B)** confirmation of *SlWRKY45* overexpressing lines
(B) The relative expression level of *SlWRKY45* in the WT was used as control. WT: Wild type. #1, #2, #5 and #7 are different transgenic lines. ** represents significant differences at *P*<0.01.