

Supplementary Table S1. The primers used in this article.

Name	Sequences(5' to 3')
Primers for gene cloning	
<i>BcWRKY22-F</i>	ATGGCCGACGATTGGGATCTCCACGC
<i>BcWRKY22-R</i>	TCATATTCCACCGCTAGCTGTGGCAGCG
Primers for isolation of promoter	
P-cat-F	CAACCTACATTGTGATTCTCA
P-cat-R	AGTAGAAAGATAGAGAGAGTTTG
Primers for gene qPCR	
GAPC-F	AGAGCCGCTTCCTTCAACATCATT
GAPC-R	TGGGCACACGGAAGGACATACC
<i>BcWRKY22-DL-F</i>	CTAAGTCTCCCACGACCACG
<i>BcWRKY22-DL-R</i>	CCTCGAAGAAGTCCTCGCTC
DL-CAT-F1	ATCCAGGTCATTGATCCAGC
DL-CAT-R1	ATGATAGCAGGGCAAAAGGC
DL-BcDREB2A-F	TGATGTCCATGAGGGTGCAG
DL-BcDREB2A-R	TTCTCCTCCAGAAGCCCAGT
DL-BcHSFA2-F	GTTGCGCTAATGAGCAAGG
DL-BcHSFA2-R	CGTCTCCATATCATCCTTCATTCT
DL-GolS1-F	GTCGCCTCCAGTTCACGG
DL-GolS1-R	GGGACGTCTGGTAGTATCGC
Primers for subcellular localization	
101- WRKY22-F	TCTTCACTGTTGATACATATGATGGCCGACGATTG
101- WRKY22-R	GCCCTTGCTCACCATGGATCCTATTCCACCGCTAG
Primers for transient expression	
101- WRKY22-F	TCTTCACTGTTGATACATATGATGGCCGACGATTG
101- WRKY22-R	GCCCTTGCTCACCATGGATCCTATTCCACCGCTAG
Primers for expression in NHCC roots	
2300- WRKY22-F	CGGGGGACTCTGCAGGTCGACATGGCCGACGATTG
2300- WRKY22-R	TGAACGATCTCTAGAGTCGACTATTCCACCGCTAG

Primers for dual-luciferase vectors construction	
Pgreen -cat-F	CTATAGGGCGAATTGGGTACCCATGAGAGTTTTGTT
Pgreen -cat-R	ATCGATACCGTCGACCTCGAGAGTAGAAAGATAGAG
Primers for yeast one hybrid vectors construction	
PjG4-22-F	GATTATGCCTCTCCCGAATTCATGGCCGACGATTG
PjG4-22-R	AGAAGTCCAAAGCTTCTCGAGTATTCCACCGCTAGC
Plac-CAT-1-f	TGAATTGAAAAGCTTTTAAGGTCAAGATTTTAAGGTCAAGATTT TAAGGTCAAGATTCTCGAGGCATGTGCT
Plac-CAT-1-r	AGCACATGCCTCGAGAATCTTGACCTTAAAATCTTGACCTTAAA ATCTTGACCTTAAAAGCTTTTCAATTCA
Plac-CAT-2-f	TGAATTGAAAAGCTTAACAAGTCAAACTAACAAGTCAAACTA ACAAGTCAAACTCTCGAGGCATGTGCT
Plac-CAT-2-r	AGCACATGCCTCGAGAGTTTTGACTTGTTAGTTTTGACTTGTTAG TTTTGACTTGTTAAGCTTTTCAATTCA
Primers for EMSA	
MAL-22-F	GAGGGAAGGATTTTCAAGAATTCATGGCCGACGATTGG
MAL-22-R	CAGGTCGACTCTAGAGGATCCTCATATTCCACCGCTA
EMSA-CAT2-F	TATTCGTACAAGTACAACAAGTCAAACTAATAAAATAAAATAGC
EMSA-CAT2-R	GCTATTTTATTTTATTAGTTTTGACTTGTTGTACTTGTACGAATA
EMSA-CAT2-COLD-F	TATTCGTACAAGTACAACAAGTCAAACTAATAAAATAAAATAGC
EMSA-CAT2-M-F	TATTCGTACAAGTACAACAAAAAACTAATAAAATAAAATAGC
EMSA-CAT2-M-R	GCTATTTTATTTTATTAGTTTTTTTTTTGTTGTACTTGTACGAATA