

Supplementary Table S1 List of primers used in this study.

Primer Name	Primer Sequence	Application
16z-130-F	CAACGGCAGCAGCGTAAAAA	Mapping-based Cloning
16z-130-R	ACTTCTGCATCGTGTCTGCA	
5-15-F	CTTCAGCAACCGGAGACGAG	
5-15-R	GATGCAGTGTGCCAATAAAGA	
21z-23-F	ATTGAGGTCCGGGATCGTTG	
21z-23-R	AGGAGAACAAGGCCTTGCTC	
28z-27-F	CCTGAACCCGAACCTGTACC	
28z-27-R	GTCGATCTGCAGCAGGAAGA	
29z-27-F	GCTTTAATGCATTCAAACACCC	
29z-27-R	CCATGTCTCCACTCGTTTCGT	
c-3779-2-F	ATCAACGCGTGCGGAGATCAT	
c-3779-2-R	TCGAACACAGCAATGCACAA	
25z-84-F	TCGTTTCCTTTGGCAGTTCTT	
25z-84-R	GCACACACACATGACGACAA	
21z-23-F	ATTGAGGTCCGGGATCGTTG	
21z-23-R	AGGAGAACAAGGCCTTGCTC	
Ven2-1-F	ATCCTTCTAGCTTCGATCTCTAT	Identification of <i>ven2</i> mutation sites
Ven2-1-R	GTGCAATATTCCTGATCACGTA	
Ven2-2-F	GTGTCAGCTAGCACTAGAGTC	
Ven2-2-R	CGACGATGATATGACAGGC	
Ven2-3-F	CGACTACGGCAACTTCTACGC	
Ven2-3-R	CAACGGTGCAAGTGAACAAC	
qRT- <i>ZmActin</i> -F	ATGGTCAAGGCCGGTTTCG	qRT-PCR
qRT- <i>ZmActin</i> -R	TCAGGATGCCTCTCTTG GCC	
qRT- <i>SRF1</i> -F	GCTGCTGGGGAAAAGAAAAG	
qRT- <i>SRF1</i> -R	GAACGAAAACCAGAGACAGC	
10 kDa- δ -RT-F	TCTCCTAGCTCTTTGTGCAAGC	
10 kDa- δ -RT-R	ATGGCATGACTGGTGGCAAGT	
15 kDa- β -RT-F	CATTCCGCCCTACTACTGATTC	
15 kDa- β -RT-R	ATGATAATGTGTGTCGTCTTAC	
16 kDa- γ -RT-F	TCTGAGTCTTGCTATCGAGGAT	
16 kDa- γ -RT-R	GACCACCAACATTTCTCTCATC	

19 kDa- α -RT-F	GCTCCTTGGTCTTTCTGCAA	
19 kDa- α -RT-R	GGTAACTGCTGTAATAGGGCTG	
22 kDa- α -RT-F	TTCCACAATGCTCACTTGCT	
22 kDa- α -RT-R	GTTGTTGTAAGACGCTCGCC	
27 kDa- γ -RT-F	CCTCAGTGCCAGTCGTTGCG	
27 kDa- γ -RT-R	TGGAGGACCAAGCCGAAGAT	
50 kDa- γ -RT-F	GTGCGGTGGCAATCTTGAC	
50 kDa- γ -RT-R	TCTTCAATTGCAAACACCACTA	
<i>pro</i> 19 kDa-S1	ACCCTGACTATTTAGGTCTCCT GACTCGCC	EMSA
<i>pro</i> 19 kDa-AS1	GGCGAGTCAGGAGACCTAAAT AGTCAGGGT	
<i>pro</i> 19 kDa-mComp-S1	ACCGACTGAATTTAGGTCTCG ACTGACGCC	
<i>pro</i> 19 kDa-mComp-AS1	GGCGTCAGTCGAGACCTAAAT TCAGTCGGT	
<i>pro</i> 22 kDa-S1	GCATTCTTTGAGGAAACAAGT CAACATTGGCATTGCTGAAG	
<i>pro</i> 22 kDa-AS1	CTTCAGCAAATGCCAATGTTGA CTTGTTTCCTCAAAGAATGC	
<i>pro</i> 22 kDa-mComp-S1	GCATTCTTTGAGGAAACAGAC TGGCATTGGCATTGCTGAAG	
<i>pro</i> 22 kDa-mComp-AS1	CTTCAGCAAATGCCAATGCCA GTCTGTTTCCTCAAAGAATGC	
SRF1-GST-F	ATGGCCGATTGCGCAAAC	Recombinant protein expression
SRF1-GST-R	TGGACCCATCACTAAGTTACC	
<i>pro</i> 19 kDa-1696-LUC-F	ttctgcagcccgggggatccAGAACATC CTATAAGGAACACACCTATATG	Dual-Luciferase reporter assay
<i>pro</i> 19 kDa-1696-LUC-R	ggcggccgctctagaactagtTGTGTTGTTAC ACTATTGTGCTTTCTATG	
<i>pro</i> 22 kDa-1529-LUC-F	ttctgcagcccgggggatccTGTGTAGA ATGTGGCAAAGGGC	
<i>pro</i> 22 kDa-1529-LUC-R	ggcggccgctctagaactagtTGGGCGATGG ATTAATACTGAT	
SRF1-62-SK-F	ATGGCCGATTGCGCAAAC	
SRF1-62-SK-R	TGGACCCATCACTAAGTTACC	