Supplementary Table 1. Cis-elements in the promoter region (~2 kb) of *ZmGST26*

Site Name	Strand	Sequence	Function
DRE	-	GCCGAC	Dehydration-responsive element
DRE	+	ACCGAGA	Dehydration-responsive element
ABRE	+	ACGTG	The cis-regulatory element involved in the abscisic acid reaction
ABRE	-	CCGTG	The cis-regulatory element involved in the abscisic acid reaction
W-Box	+	TTGACC	Drought response element
ARE	-	AAACCA	Cis-regulatory elements necessary for anaerobic induction
GC-motif	+	CCCCCG	Enhancer-like elements associated with hypoxia-specific induction
CCAAT-box	+	CAACGG	MYB recognition site
MRE	+	AACCTAA	MYB binding site involved in photoreaction
TCCC-motif	+	TCTCCCT	Part of a light response element
G-Box	-	CACGTT	Light responsiveness
G-Box	-	CACGTG	Light responsiveness
CGTCA-motif	+	CGTCA	Cis-regulatory elements involved in the reaction of methyl jasmonate
TGACG-motif	-	TGACG	Cis-regulatory elements involved in the reaction of methyl jasmonate
MSA-like	-	TCAAACGGT	The cis-regulatory element involved in cell cycle regulation

Supplementary Table 2. Primer information in this study

Primer ID	Forward PCR Primer (5’→3’)	Reverse PCR Primer (3’→5’)
Bar	CCATCGTCAACCACTACATCGAGACA	CTTCAGCAGGTGGGTGTAGAGCGT
Fl-ZmGST26	TCGTGGAGTACGTCGATGAG	GTGCGTCTCCCTCAGCTTAT
DREB2A	TGACCTAAATGGCGACGATGT	TCCAAGTAACTCAAGTCGTCG
RD29A	CTTGATGGTCAACGGAAGGT	CAATCTCCGGTACTCCTCCA
RD29B	AGAAGGAATGGTGGGGAAAG	CAACTCACTTCCACCGGAAT
PP2CA	CAAAGTCTCCAAGGGCAGGTTCT	CGTCTGCGGATTCGTGTCTAAAA
ZmActin1	ATGTTTCCTCCCATTGCCGAT	CCAGTTTCGTCATACTCTCCCTTG
AtActin2	GGCTCCTCTTAACCCAAAGG	CCCTCGTAGATTGGCACAGT