

Accessory Publication**Table S1.** The specific primers used in RT-PCR analysis

Gene	Primers
<i>DREB2A</i>	Fw-2A 5'-ATGGCAGTTATGATCAGAGTGG-3' Rw-2A 5'-ATGCTTATCCGCTTAACACCTC-3'
<i>RD29A</i>	Fw-RD 5'-TCACTAACATGGACAAAGCAA-3' Rw-RD 5'-CAATCTCCGGTACTCCTCCA-3'
<i>COR15A</i>	Fw-COR 5'-ATGGCGATGTCTTCTCA-3' Rw-COR 5'-CTACTTGTGGCATCCTTAG-3'
<i>KIN1</i>	Fw-KIN 5'-ATGTCAGAGACCAACAAGA-3' Rw-KIN 5'-CTACTGTTCAGGCCGG-3'
<i>GhDBP1</i>	Fw-A 5'-GGATCCATGGAGCTAGGTGAT-3' Rw-A 5'-GAGCTCTCAATCTCATCAGAAC-3'
<i>AtEm6</i>	Fw-Em 5'- ATGGCGTCTCAACAAGAGAAG -3' Rw-Em 5'- TTAGGTCTGGTCCTGAATTG -3'

Table S2. Regulatory motifs found in the *GhDBP1* promoter region

Sequence ^a	Position ^b	Name and function	References
ACGTG	-309(+), -493(-)	ABRE, ABA-responsive element	Hobo <i>et al.</i> 1999
RCCGAC	-348(-), -636(+)	DRE/CRT, dehydration-responsive element/C-repeat, response to drought and low temperature stress	Baker <i>et al.</i> 1994; Yamaguchi-Shinozaki and Shinozaki, 1994
TAACAAR	-839(+), -847(+), -1276(+),	GARE, Gibberellin-responsive element, involved in seed germination	Ogawa <i>et al.</i> 2003
TGACY	-666(+), -988(-), -1121(-), -1309(-)	W box, elicitor-responsive elements, involved in defense, wounding response and sugar response	Sun <i>et al.</i> 2003; Yamamoto <i>et al.</i> 2004
CNGTTR	-809(+), -818(+), -1102(+), -1397(+)	MYB, MYB recognition sequence, involved in dehydration-response	Urao <i>et al.</i> 1993
CANNTG	-273(+), -479(+), -920(+), -1141(+), -1404(+)	MYC (E-box), MYC recognition site, seed-specific, regulating transcription of many drought or cold-induced genes	Stalberg <i>et al.</i> 1996; Chinnusamy <i>et al.</i> 2003; Abe <i>et al.</i> 2003; Lee <i>et al.</i> 2005
ACGT	-131(+)	ACGT motif, required for etiolation-induced genes expression	Simpson <i>et al.</i> 2003

^a : R indicates A or T ; Y indicates C or T ; N indicates A, T, G or C.

^b: +, normal sequence; -, complementary sequence.

References

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-1482 AGTTGGAGCCAAAATAGCTGATGGTCCACTTTGTTCA
 -1440 TTGTATAAATATAGGACTTTGTCCTGTAATAATTCAAATGGCGGTTAGAATGTTGCAC
 MYC MYB
 -1380 CCCCCCCCCCCCCAAAAAAACTGGTTAAATAACCTGGCCGGCTGGCTGGTTGGATT
 -1320 GAAGGGTTAATAGTCAATAATGAAAAAGTGATGGTTGGCTTTAACAGTGTGAAACA
 W-box GARE
 -1260 ATGAAGGAACCAAAGAAGAGAAACCACATCATGGATTAATCACCCAGAAGATGTGGAAAT
 -1200 TACTTAACACCACCTTTCAATATATAAAATAAAAGGGGGGGGTTATTAAATC
 -1140 AGATGATAAAAGATTGAGATTGACACCAAAAGAATCAACGGTTGCACCCATACTAATTA
 MYC W-box MYB
 -1080 AAAACCAATTGGAATTCAATTCACTACCAAAAAAGGAAGGCCAAGGAAGGAATGG
 -1020 ATGATCATTATTGCGTGGACTGGACGGAAAGTCACACACCATCCCCATCCCCACCCG
 W-box
 -960 ACTTTTTTCCATTGCCTCCATTCTCAAATTGGATCCCCTTGCGTTGCCAAACTAG
 MYC
 -900 CTACCCACCCCTAAACCTCAATCCAGGCCATTATTATTAGATATCCTAAATAACAAA
 GARE
 -840 CTAACAAACAACCTCAAATATCCAGTTATTCTGTTACACCAAAACCAGCTTTTACTT
 GARE MYB MYB
 -780 CTTTCAAAAAAAAGAAAAAGAAGAAGAAATTTGGGTTAAACATAAAAGTTATT
 -720 TTAAGGTAATTAAATAATTGTAGAGTACATACTACATACCAGTAACCGGGAAACTGACCT
 W-box
 -660 AAGACTAATTGTTTAGGAAATGCCACTTGTATTCAAGGATTGGTAATGAAACA
 DRE
 -600 GTAGCATATTGAAAGTTAAAAAGAAAGGGACAAAAATGATAAAAAGAAGAAGACTA
 -540 AAGATGGAAATAAACAAAGGATGTCGGGTGCTTGAATATAGTAGAACACGTCTGCTGG
 ABRE
 -480 TCACATGCTTACCATACAAACCGATAACCGCAGAGTAAGAGAGAGAAATAAGTATGTG
 MYC
 -420 TAGAGTGCAATGGCTATATCATACATAAAATTGTATAGGTTTTAGAGATATATCGGAA
 -360 GTGATGGATTATGTCGGCCCAATTGGATTATCTAAAGCTAGATCGATCACCGTGGCGG
 DRE ABRE
 -300 CCGTGCCCAGACGACAGACTAGCAGCCAAGTGGTAACTAATACTGCTTCTGCCTCTCT
 MYC
 -240 TTCTCTCTATCTCAATATATTATTATTATTTA**TTTATATAT**CCTTTCTAC**TTAT**
 TATA box
 -180 **ATATAA**CAATAGAGAATAGCTTTAGAGCAAAGAGTATTGTTGATTAACGTAGCTAGA
 TATA box ACGT
 -120 ATCTGTTCCCTTCTTTCTCCTTCTTATGGCTTACAAGTTAGTTCCAGAAACAAG
 -60 GGGAAATAAAAAAAATCCATTGTTAGGATTGGCTTCTTTATCTTTGGTC
 +1 ATGGAGCTAGGTGATTGTTGTTAACATCAAGTCCAGCAAGCGGAGAGAAGCGAAAGCTG
 M E L G D C C L T S S P A S G E K R K L

Figure S1. Nucleotide sequence of the *GhDBP1* promoter region. The ATG codon was designated as +1. The putative TATA boxes were shown in bold and boxed. The other deduced cis-acting elements were shaded and annotated below.