

Table 1 Cis element analysis of GzABI5-3A3 gene promote

Name of element	Source plant	Site	Signal sequence	Function
ABRE	<i>Arabidopsis thaliana</i>	172, 1 523	ACGTG	Cis-acting element involved in the abscisic acid responsiveness
ARE	<i>Zea mays</i> L.	241	AAACCA	Cis-acting regulatory element essential for the anaerobic induction
AuxRR-core	<i>Nicotiana tabacum</i> L.	604	GGTCCAT	Cis-acting regulatory element involved in auxin responsiveness
CGTCA-motif	<i>Hordeum vulgare</i> L.	155	CGTCA	Cis-acting regulatory element involved in the MeJA-responsiveness
G-Box	<i>Zea mays</i> L.	171, 685	CACGTT	Cis-acting regulatory element involved in light responsiveness
GC-motif	<i>Zea mays</i> L.	1 435, 1 605	CCCCCG	Enhancer-like element involved in anoxic specific inducibility
GTGGC-motif	<i>Hordeum vulgare</i> L.	1 484	CAGCGTGTGGC	Part of a light responsive element
P-box	<i>Oryza sativa</i> L.	1 333	CCTTTTG	Gibberellin-responsive element
RY-element	<i>Helianthus annuus</i> L.	1 269	CATGCATG	Cis-acting regulatory element involved in seed-specific regulation
Sp1	<i>Oryza sativa</i> L.	558, 904	GGGCGG	Light responsive element
TATC-box	<i>Oryza sativa</i> L.	230	TATCCCA	Cis-acting element involved in gibberellin-responsiveness
TCA-element	<i>Nicotiana tabacum</i> L.	1 722	CCATCTTTTT	Cis-acting element involved in salicylic acid responsiveness
TGA-element	<i>Brassica oleracea</i> L.	1 448, 1 539	AACGAC	Auxin-responsive element
TGACG-motif	<i>Hordeum vulgare</i> L.	155	TGACG	Cis-acting regulatory element involved in the MeJA-responsiveness
MYB recognition site	<i>Arabidopsis thaliana</i>	2 576	CCGTTG	-
Myb-binding site	<i>Nicotiana tabacum</i> L.	2 288	CAACAG	-