

Table 2 The cis element analysis of *LDOX* gene promoter

Component Name	Plant Origin	Position/bp	+ / - Strand	Score	Sequence	Functional Annotation
ARE	<i>Zea mays L.</i>	169	-	6	AAACCA	Anaerobic-induced regulatory element
CAAT-box	<i>Nicotiana tabacum L.</i>	55	+	4	CAAT	
	<i>Arabidopsis thaliana</i>	389	-	5	CCAAT	Cis-types common in promoter and enhancer subregions
	<i>Arabidopsis thaliana</i>	394	+	5	CCAAT	Cis-types common in promoter and enhancer subregions
	<i>Nicotiana tabacum L.</i>	395	+	4	CAAT	
	<i>Pisum sativum L.</i>	474	-	5	CAAAT	Cis-types common in promoter and enhancer subregions
Sp1	<i>Oryza sativa L.</i>	220	+	6	GGGCGG	Optical response element
	<i>Oryza sativa L.</i>	301	+	6	GGGCGG	Optical response element
Gap-box	<i>Arabidopsis thaliana</i>	636	+	9.5	CAAATGAA(A/G)A	Optical response element
TGACG-motif	<i>Hordeum vulgare L.</i>	704	+	5	TGACG	MeJA response response element
TCCC-motif	<i>Spinacia oleracea L.</i>	192	-	7	TCTCCCT	Optical response element
ABRE	<i>Arabidopsis thaliana</i>	719	-	5	ACGTG	Abscisic acid response element
P-box	<i>Oryza sativa L.</i>	458	-	7	CCTTTTG	Gibberellin response element
G-Box	<i>Pisum sativum L.</i>	719	+	6	CACGTT	Optical response element
AuxRR-core	<i>Nicotiana tabacum L.</i>	279	-	7	GGTCCAT	Auxin response element
TGA-element	<i>Brassica oleracea L.</i>	348	+	6	AACGAC	Auxin response element
GC-motif	<i>Zea mays L.</i>	298	-	6	CCCCCG	Enhancers are involved in specific induction of anaerobic
CGTCA-motif	<i>Hordeum vulgare L.</i>	704	-	5	CGTCA	MeJA response response element
LTR	<i>Hordeum vulgare L.</i>	172	-	6	CCGAAA	Low temperature response element
	<i>Hordeum vulgare L.</i>	502	-	6	CCGAAA	Low temperature response element
TCT-motif	<i>Arabidopsis thaliana</i>	516	+	6	TCTTAC	Optical response element