

**Table S1.** *Cis*-elements analysis of *GELP1* promoter

<i>Cis</i> -elements	Sequence	Position	Function
TC-rich repeats	ATTCTCTAAC	1095	cis-acting element involved in defense and stress responsiveness
Box 4	ATTAAT	376	part of a conserved DNA module involved in light responsiveness
ABRE	ACGTG	408	cis-acting element involved in the abscisic acid responsiveness
ATCT-motif	LOC114824837	2007	part of a conserved DNA module involved in light responsiveness
CGTCA-motif	CGTCA	829	cis-acting regulatory element involved in the MeJA-responsiveness
G-Box	CACGTT	408	cis-acting regulatory element involved in light responsiveness
G-box	TAACACGTAG	866	cis-acting regulatory element involved in light responsiveness
GATA-motif	AAGGATAAGG	546	part of a light responsive element
HD-Zip 1	CAAT(A/T)ATTG	750	element involved in differentiation of the palisade mesophyll cells
TCA-element	CCATCTTTTT	1537	cis-acting element involved in salicylic acid responsiveness
TGA-element	AACGAC	66	auxin-responsive element
Box 4	ATTAAT	658	part of a conserved DNA module involved in light responsiveness

**Table S2.** *Cis*-elements analysis of *GELP2* promoter

<i>Cis</i> -elements	Sequence	Position	Function
3-AF1 binding site	TAAGAGAGGAA	921	light responsive element
ABRE	ACGTG	872	cis-acting element involved in the abscisic acid responsiveness
ABRE	ACGTG	782	cis-acting element involved in the abscisic acid responsiveness
ARE	AAACCA	1664	cis-acting regulatory element essential for the anaerobic induction
ARE	AAACCA	649	cis-acting regulatory element essential for the anaerobic induction
ATCT-motif	AATCTAATCC	129	part of a conserved DNA module

ATCT-motif	AATCTAATCC	1920	involved in light responsiveness part of a conserved DNA module involved in light responsiveness
CGTCA-motif	CGTCA	1552	cis-acting regulatory element involved in the MeJA-responsiveness
G-box	TACGTG	871	cis-acting regulatory element involved in light responsiveness
GATA-motif	GATAGGG	439	part of a light responsive element
GC-motif	CCCCCG	419	enhancer-like element involved in anoxic specific inducibility
MRE	AACCTAA	1669	MYB binding site involved in light responsiveness
MRE	AACCTAA	1743	MYB binding site involved in light responsiveness
TCT-motif	TCTTAC	868	part of a light responsive element