

Table S4. Analysis of *cis*-acting elements in *ZmDLS* promoter

Site Name	Organism	Position	Matrix score	Sequence
GARE-motif	<i>Brassica oleracea</i>	1854	7	TCTGTTG
plant_AP-2-like	<i>Oryza sativa</i>	1783	8	CGACCAGG
GT1-motif	<i>Arabidopsis thaliana/Avena sativa</i>	220,541,1899	6,7	GGTTAA/GGTTAAT
TATA	<i>Arabidopsis thaliana</i>	6,397	8	TATAAAAT
ATC-motif	<i>Spinacia oleracea</i>	711	8	AGTAATCT
Myb-binding site	<i>Nicotiana tabacum</i>	594,725,1854	6	CTGTTG/CAACAG
MYB	<i>Arabidopsis thaliana</i>	221,540,1212, 608, 638, 356	6	TAACCA/CAACCA/TAACCTG
DRE-motif	<i>Arabidopsis thaliana</i>	1756	6	GCCGAC
Box 4	<i>Petroselinum crispum</i>	331	6	ATTAAT
AuxRR-core	<i>Nicotiana tabacum</i>	1918	7	GGTCCAT
STRE	<i>Arabidopsis thaliana</i>	461	5	AGGGG
AAGAA-motif	<i>Avena sativa</i>	1331	9	GTAAAGAAA
CAAT-box	<i>Nicotiana glutinosa/Pisum sativum/Arabidopsis thaliana</i>	87,120,228,312,849 895,1146,1589,1608 1733,1737,106,312 849,1248,1588,1607 259	4,5,5,8	CAAT/CAAAT/CCAAT/CCCAATTT
G-Box	<i>Arabidopsis thaliana</i>	1631	6	CACGTG
CAT-box	<i>Arabidopsis thaliana</i>	1598	6	GCCACT
TGA-element	<i>Brassica oleracea</i>	946	6	AACGAC
ATCT-motif	<i>Pisum sativum</i>	714,1294,1604	9	AATCTAATCC
TATA-box	<i>Arabidopsis thaliana</i>	10,59,231,300,308 320,362,397,678,887,939	4	TATA
GCN4_motif	<i>Oryza sativa</i>	1705	7	TGAGTCA
TCT-motif	<i>Arabidopsis thaliana</i>	183	6	TCTTAC
ABRE	<i>Arabidopsis thaliana</i>	1631,1632	5	ACGTG
WRE3	<i>Pisum sativum</i>	100	6	CCACCT
LTR	<i>Hordeum vulgare</i>	1963	6	CCGAAA
MYC	<i>Arabidopsis thaliana</i>	1566,1589,1701	6	CATGTG
O2-site	<i>Zea mays</i>	1466,1907	9	GATGATGTGG
ARE	<i>Zea mays</i>	283,1558	6	AAACCA
AE-box	<i>Arabidopsis thaliana</i>	1388	8	AGAAACAA