

Table S3. The number and functions of cis-elements in radish *RsPAO2* promoter.

Name	Number	Functions
TATA-box	85	core promoter element around -30 of transcription start
CAAT-box	44	common cis-acting element in promoter and enhancer regions
MYB	9	Myb-binding site
AAGAA-motif	5	--
Box 4	5	part of a conserved DNA module involved in light responsiveness
ERE	5	--
CGTCA-motif	4	cis-acting regulatory element involved in the MeJA-responsiveness
TCA-element	4	cis-acting element involved in salicylic acid responsiveness
TGACG-motif	4	cis-acting regulatory element involved in the MeJA-responsiveness
AT~TATA-box	3	--
G-box	3	cis-acting regulatory element involved in light responsiveness
W box	3	--
ARE	2	cis-acting regulatory element essential for the anaerobic induction
AT-rich sequence	2	element for maximal elicitor-mediated activation (2copies)
DRE core	2	ERF binding site

LTR	2	cis-acting element involved in low-temperature responsiveness
MYC	2	--
TCT-motif	2	part of a light responsive element
WUN-motif	2	--
NAC core site	1	NAC binding site
ABRE	1	cis-acting element involved in the abscisic acid responsiveness
AT-rich element	1	binding site of AT-rich DNA binding protein (ATBP-1)
CARE	1	
CAT-box	1	cis-acting regulatory element related to meristem expression
CCAAT-box	1	MYBHv1 binding site
GATA-motif	1	part of a light responsive element
O2-site	1	cis-acting regulatory element involved in zein metabolism regulation
P-box	1	gibberellin-responsive element
STRE	1	--
TC-rich repeats	1	cis-acting element involved in defense and stress responsiveness
TGA-element	1	auxin-responsive element
AE-box	1	part of a module for light response
