

Table S2. The number and functions of cis-elements in radish *RsPAOI* promoter.

Name	Number	Functions
TATA-box	69	core promoter element around -30 of transcription start
CAAT-box	50	common cis-acting element in promoter and enhancer regions
MYB	11	Myb-binding site
G-Box	7	cis-acting regulatory element involved in light responsiveness
ABRE	7	cis-acting element involved in the abscisic acid responsiveness
LTR	4	cis-acting element involved in low-temperature responsiveness
MYC	4	--
TCA-element	4	cis-acting element involved in salicylic acid responsiveness
AT~TATA-box	3	--
CGTCA-motif	3	cis-acting regulatory element involved in the MeJA-responsiveness
ERE	3	--
TGACG-motif	3	cis-acting regulatory element involved in the MeJA-responsiveness
Box 4	2	part of a conserved DNA module involved in light responsiveness
GARE-motif	2	gibberellin-responsive element
TCT-motif	2	part of a light responsive element

W box	2	--
NAC core site	1	NAC binding site
AAGAA-motif	1	--
ACA-motif	1	part of gapA in (gapA-CMA1) involved with light responsiveness
AE-box	1	part of a module for light response
ARE	1	cis-acting regulatory element essential for the anaerobic induction
CAT-box	1	cis-acting regulatory element related to meristem expression
DRE core	1	ERF binding site
GATA-motif	1	part of a light responsive element
GCN4_motif	1	cis-regulatory element involved in endosperm expression
GT1-motif	1	light responsive element
O2-site	1	cis-acting regulatory element involved in zein metabolism regulation
RY-element	1	cis-acting regulatory element involved in seed-specific regulation
TGA-element	1	auxin-responsive element
WUN-motif	1	--
box S	1	--
circadian	1	cis-acting regulatory element involved in circadian control
