

Table S6. Motifs enrichment in the promoters of repressed genes in *PXVE:NF-YA2SRDX* lines that change in its *PXVE:NF-YA2* counterpart

Line / expression	Motifs Identifier	No. Genes with this element	No. of elements	P value
<i>PXVE:NF-YA2</i> / induced	Non enriched			
<i>PXVE:NF-YA2</i> / repressed	ABRE-like binding site motif	50	77	$< 10^{-3}$
	TATA-box Motif	151	462	$< 10^{-5}$
	TGA1 binding site motif	14	14	$< 10^{-3}$
	UPRMOTIFIAT	14	14	$< 10^{-3}$
	W-box promoter motif	120	266	$< 10^{-3}$

Survey was performed in 1000 bp maximum upstream range cutting off at adjacent genes. Data obtained using the Athena Web tools (<http://www.bioinformatics2.wsu.edu/cgi-bin/Athena/cgi/home.pl>).