

Supplementary Tables

Suppl. Table 1 PCR primers used in this study

Primer name	Primer sequence (5'–3')	Use
<i>VvSPL18</i> -F	ATGGAGTGGAACCTACAGCCATCC	Complete ORF amplification of <i>VvSPL18</i>
<i>VvSPL18</i> -R	TCATGAGGGCTCATTCTGAC	
<i>VvActin</i> -F	TACAATCCATCATGAAGTGTGATG	qRT-PCR of <i>VvActin</i>
<i>VvActin</i> -R	TTAGAAGCACTTCCTGTGAACAATG	
<i>qSPL18</i> -F	TTCCTCGGACTGTGCTTTCT	qRT-PCR of <i>VvSPL18</i>
<i>qSPL18</i> -R	CTGGACTGATTGGCATGCTC	
<i>VvSPL18</i> -Bgl II	<u>GAAGATCT</u> ATGGAGTGGAACCTACAGCCATCC	Subcellular localization of <i>VvSPL18</i>
<i>VvSPL18</i> -Spe I	<u>GGACTAGT</u> TTGAGGGCTCATTCTGAC	

Suppl. Table 2 Amino acid composition of VvSPL18 protein

Name	Abbreviation	Property	Number	Ratio/%
Ala	A	Hydrophobicity	14	3.7%
Arg	R	Alkalinity	26	6.9%
Asn	N	Hydrophilie	20	5.3%
Asp	D	Acidity	18	4.8%
Cys	C	Hydrophilie	11	2.9%
Gln	Q	Hydrophilie	20	5.3%
Glu	E	Acidity	19	5.0%
Gly	G	Hydrophilie	27	7.1%
His	H	Alkalinity	15	4.0%
Ile	I	Hydrophobicity	10	2.6%
Leu	L	Hydrophobicity	32	8.5%
Lys	K	Alkalinity	17	4.5%
Met	M	Hydrophobicity	8	2.1%
Phe	F	Hydrophobicity	18	4.8%
Pro	P	Hydrophobicity	25	6.6%
Ser	S	Hydrophilie	46	12.2%
Thr	T	Hydrophilie	23	6.1%
Trp	W	Hydrophobicity	4	1.1%
Tyr	Y	Hydrophobicity	5	1.3%
Val	V	Hydrophobicity	20	5.3%

Suppl. Table 3 Classification and functional quantitative analysis of promoter components of *VvSPL18*

<i>VvSPL18</i>	SUM	NUM	ELEMENTS	FUNCTIONS
Light-related elements	14	1	AE-box	part of a module for light response
		2	Box I	light responsive element
		3	CATT-motif	part of a light responsive element
		1	GA-motif	part of a light responsive element
		2	GAG-motif	part of a light responsive element
		1	GATA-motif	part of a light responsive element
		1	GT1-motif	light responsive element
		1	MNF1	light responsive element
		1	Sp1	light responsive element
		1	TCCC-motif	part of a light responsive element
Hormone-related elements	2	1	GARE-motif	gibberellin-responsive element
		1	TCA-element	cis-acting element involved in salicylic acid responsiveness
		3	ARE	cis-acting regulatory element essential for the anaerobic induction
Stress-related elements	6	1	HSE	cis-acting element involved in heat stress responsiveness
		1	LTR	cis-acting element involved in low-temperature responsiveness
		1	TC-rich repeats	cis-acting element involved in defense and stress responsiveness
Tissue specific elements	3	1	CAT-box	cis-acting regulatory element related to meristem expression
		2	Skn-1_motif	cis-acting regulatory element required for endosperm expression
Circadian-related elements	3	3	circadian	cis-acting regulatory element involved in circadian control