

Figure S1

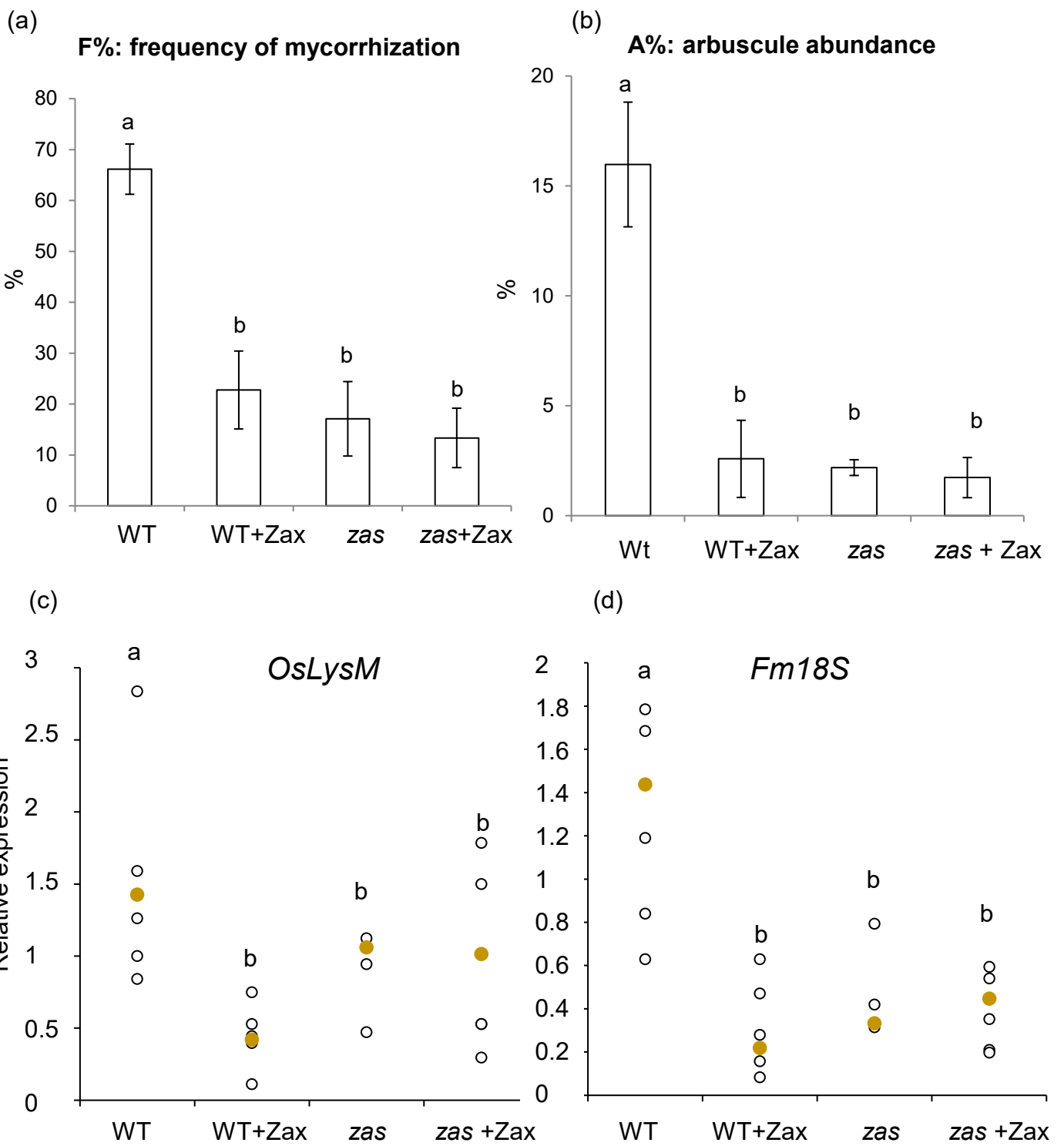


Figure S2

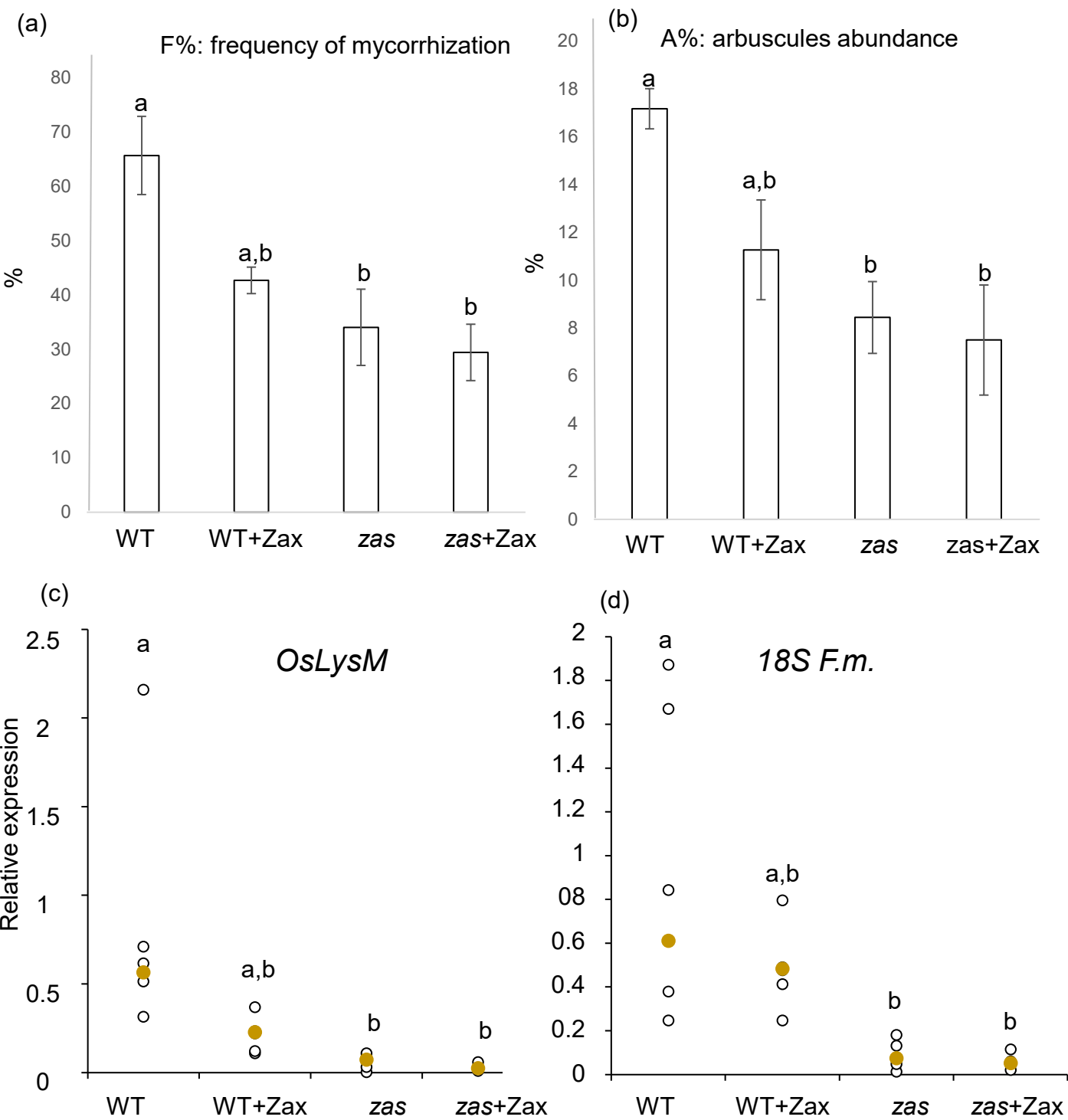


Figure S3

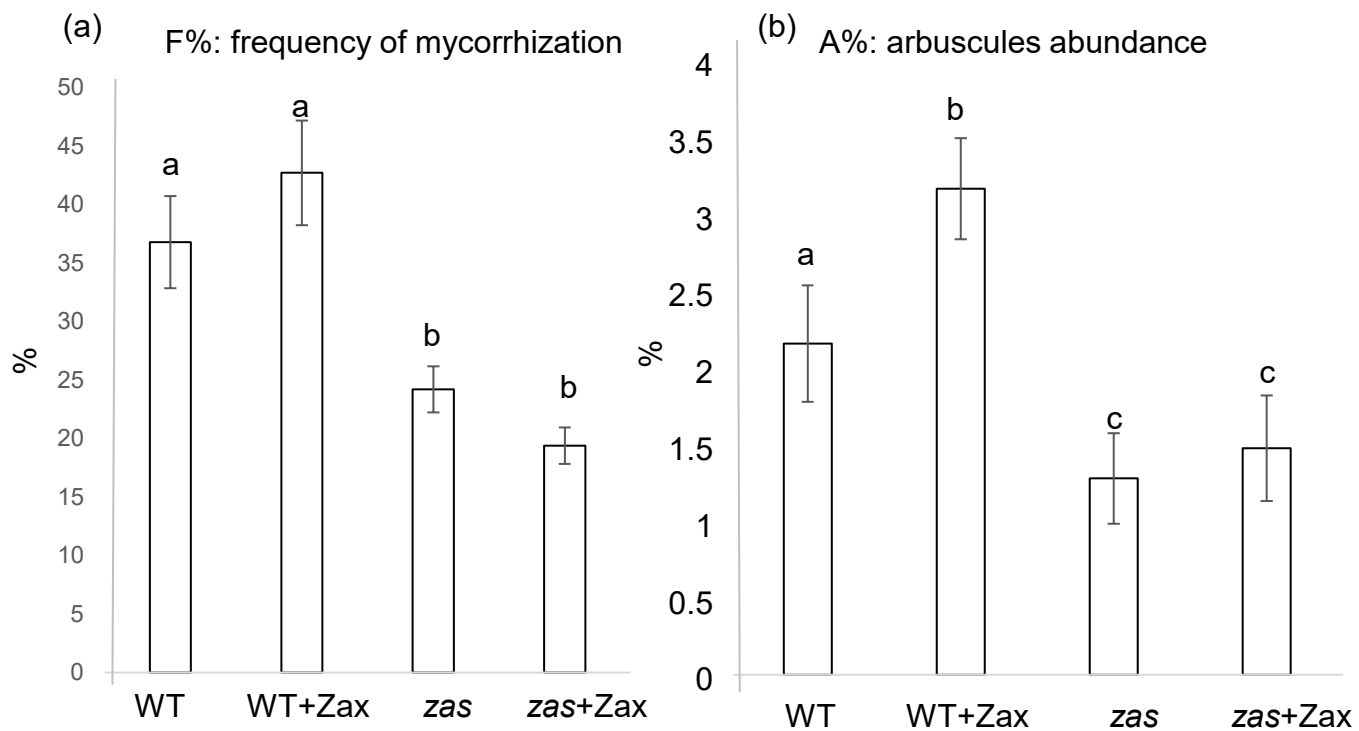


Figure S4

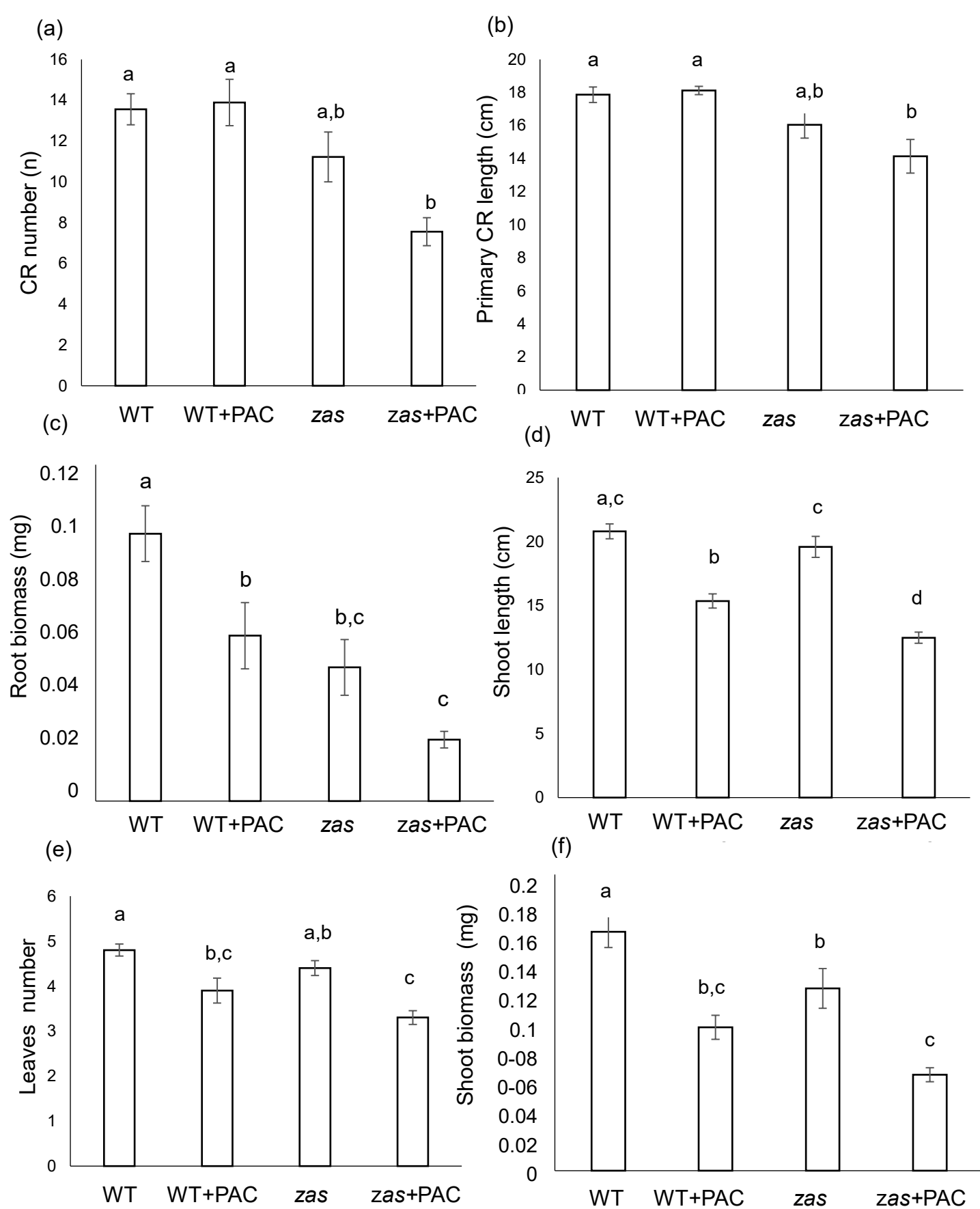


Figure S5

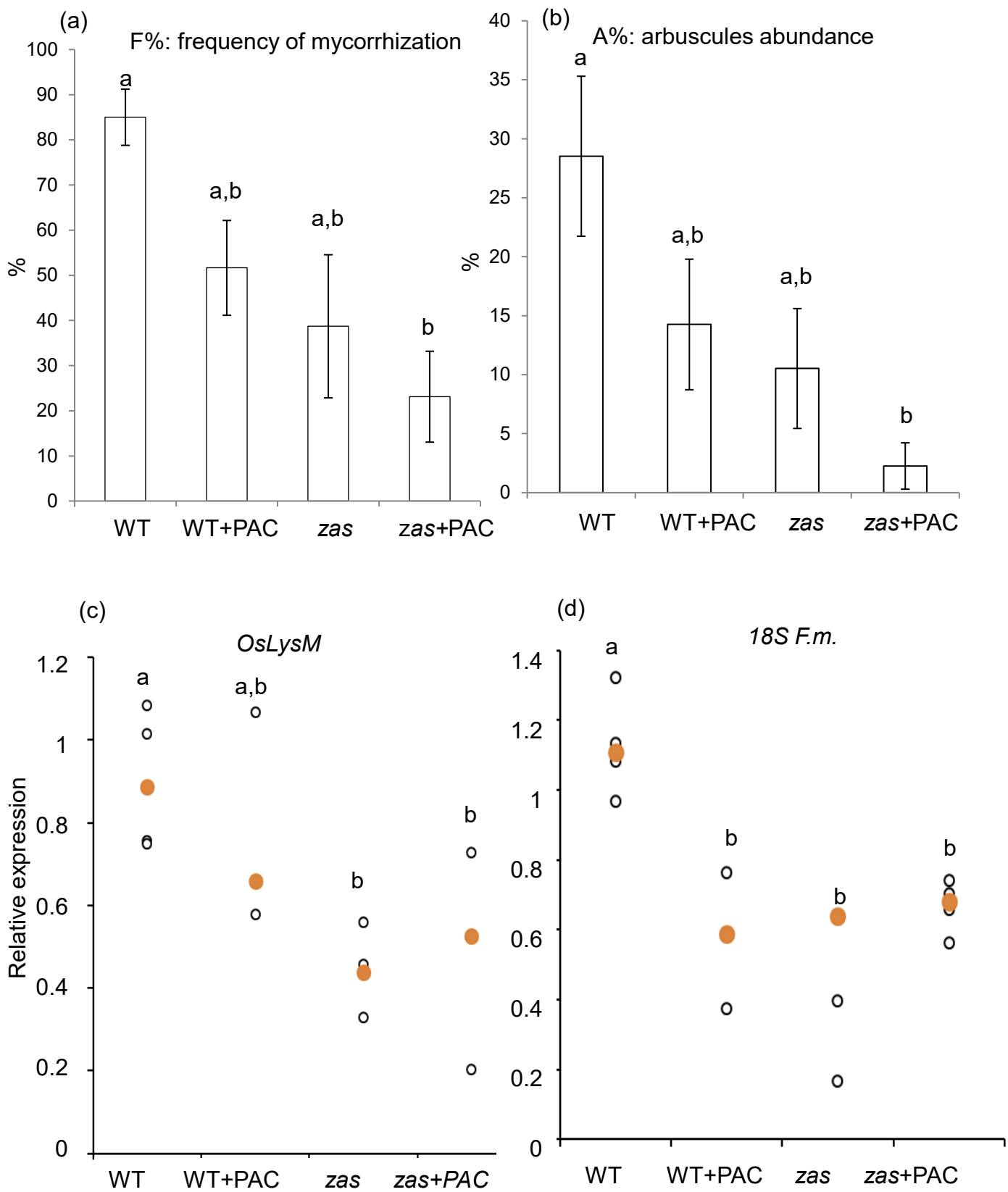


Figure S6

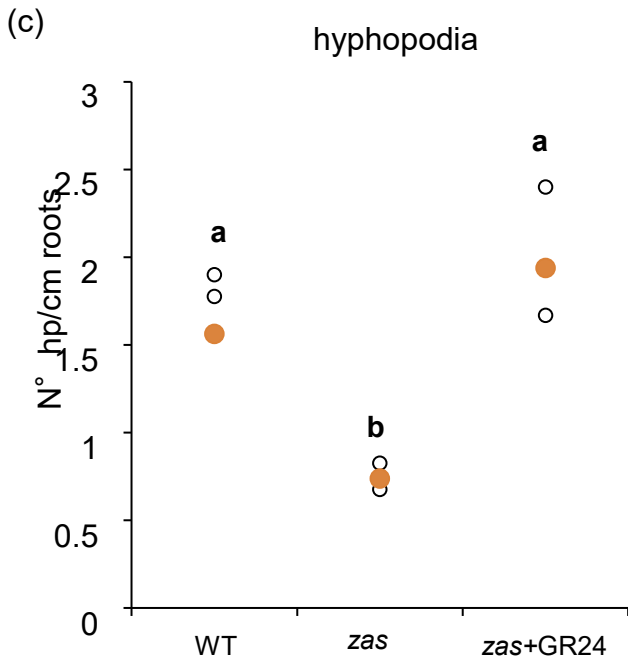
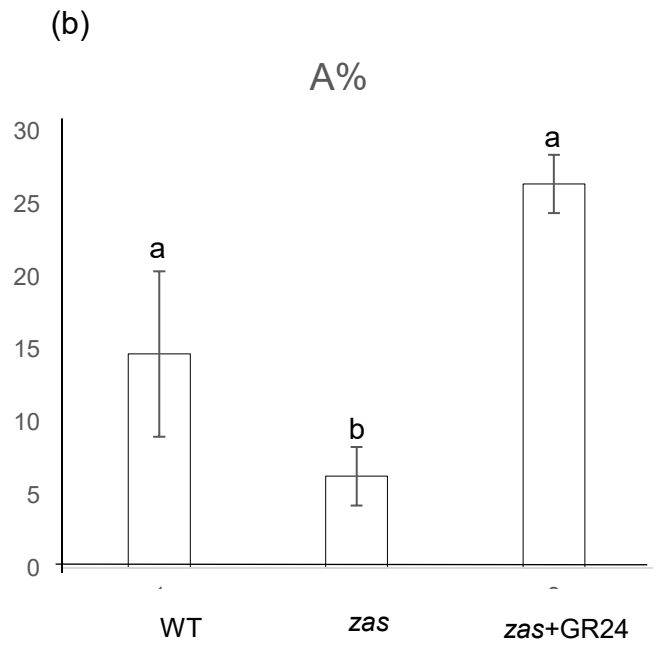
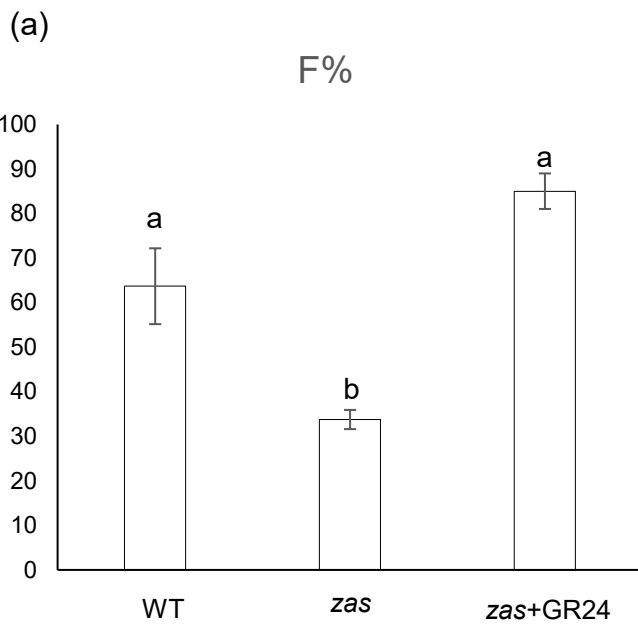


Figure S7

□ Mock ■ 1 μ M GR24

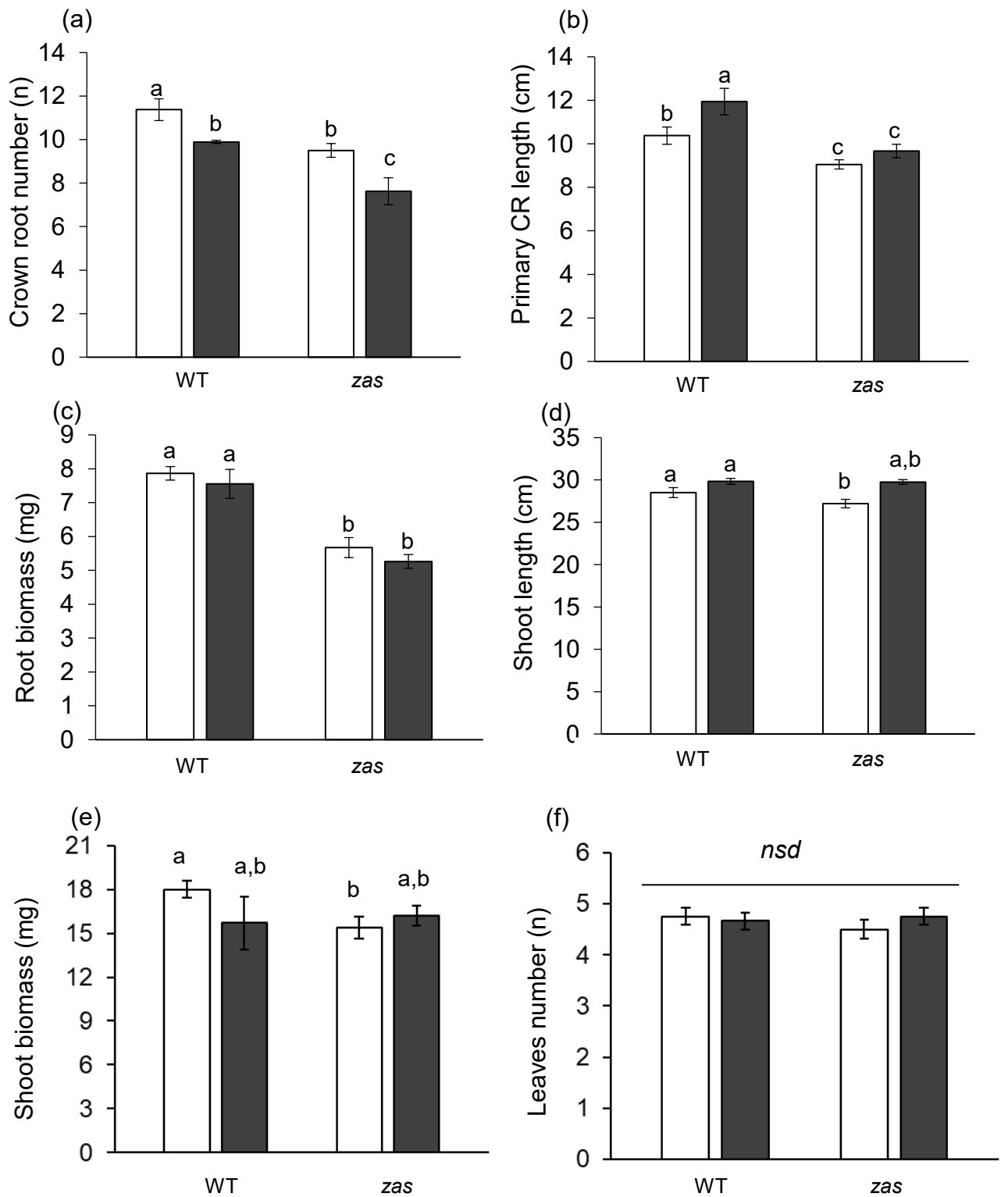


Figure S8

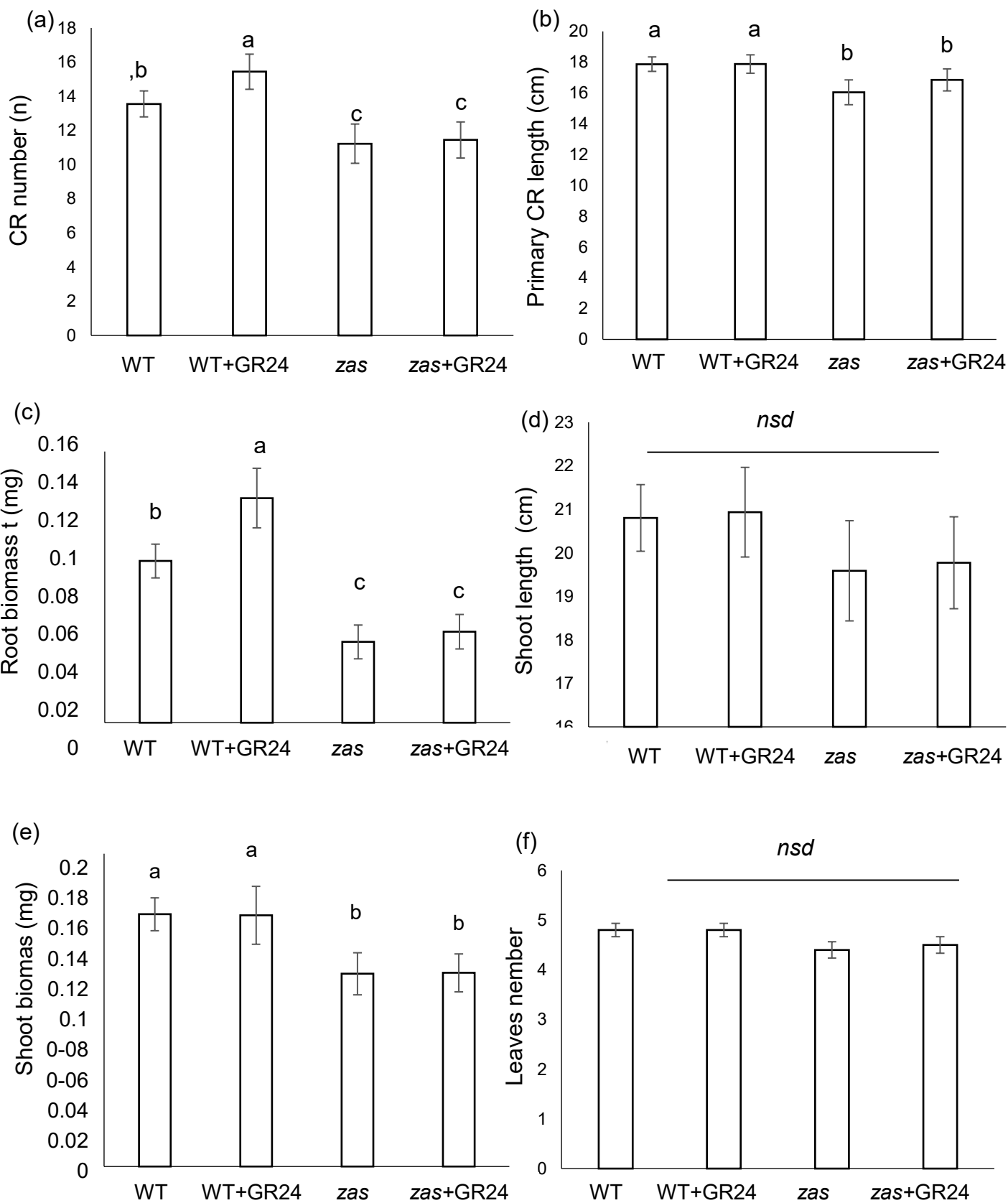


Figure S9

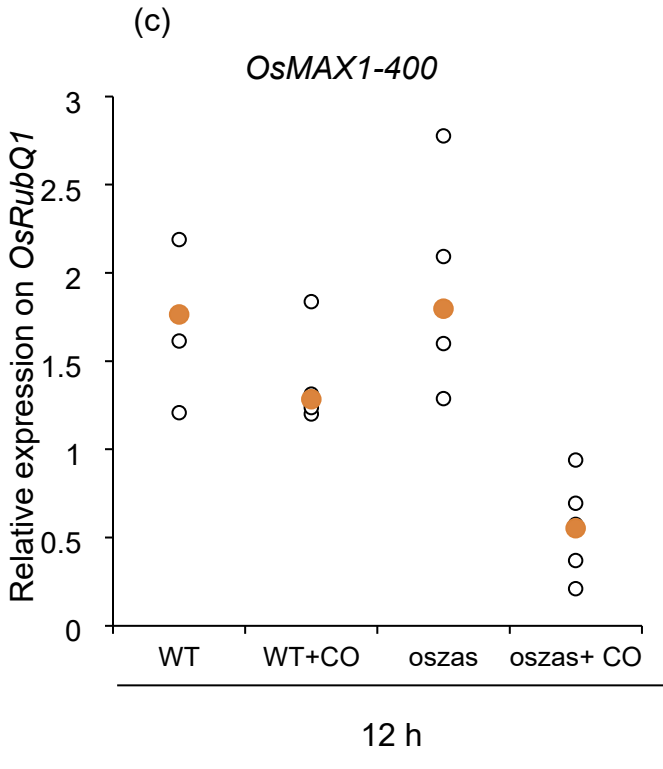
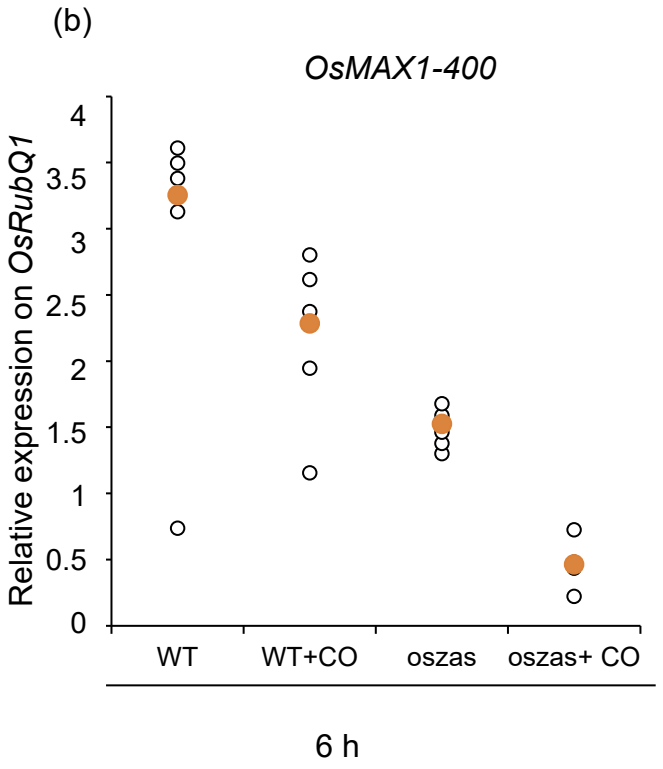
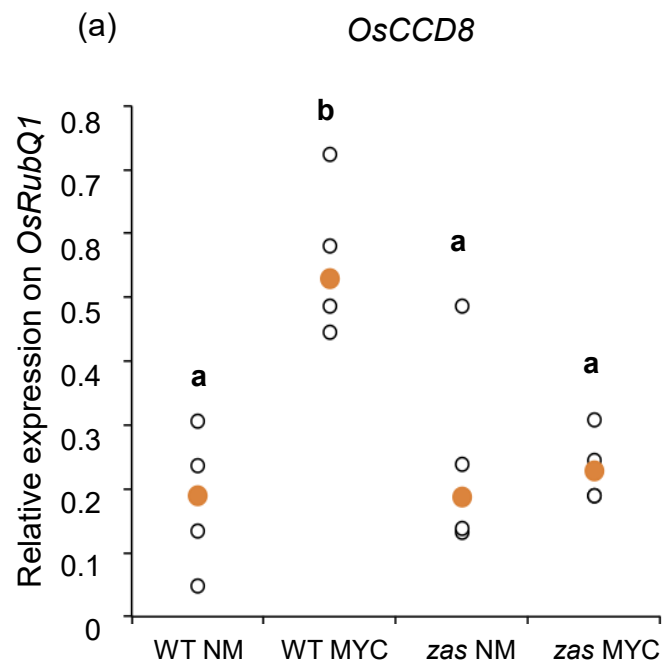
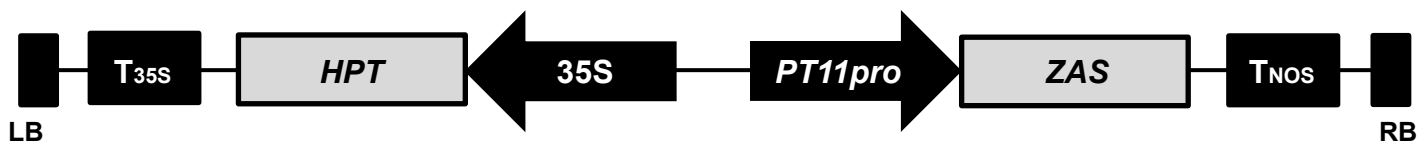


Figure S10

(a)



(b)

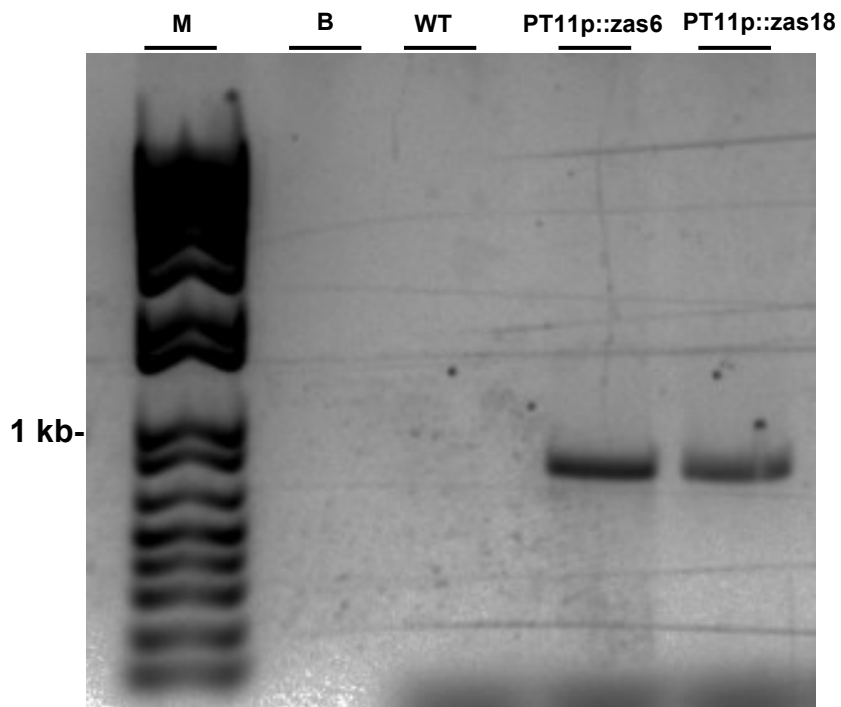


Figure S11

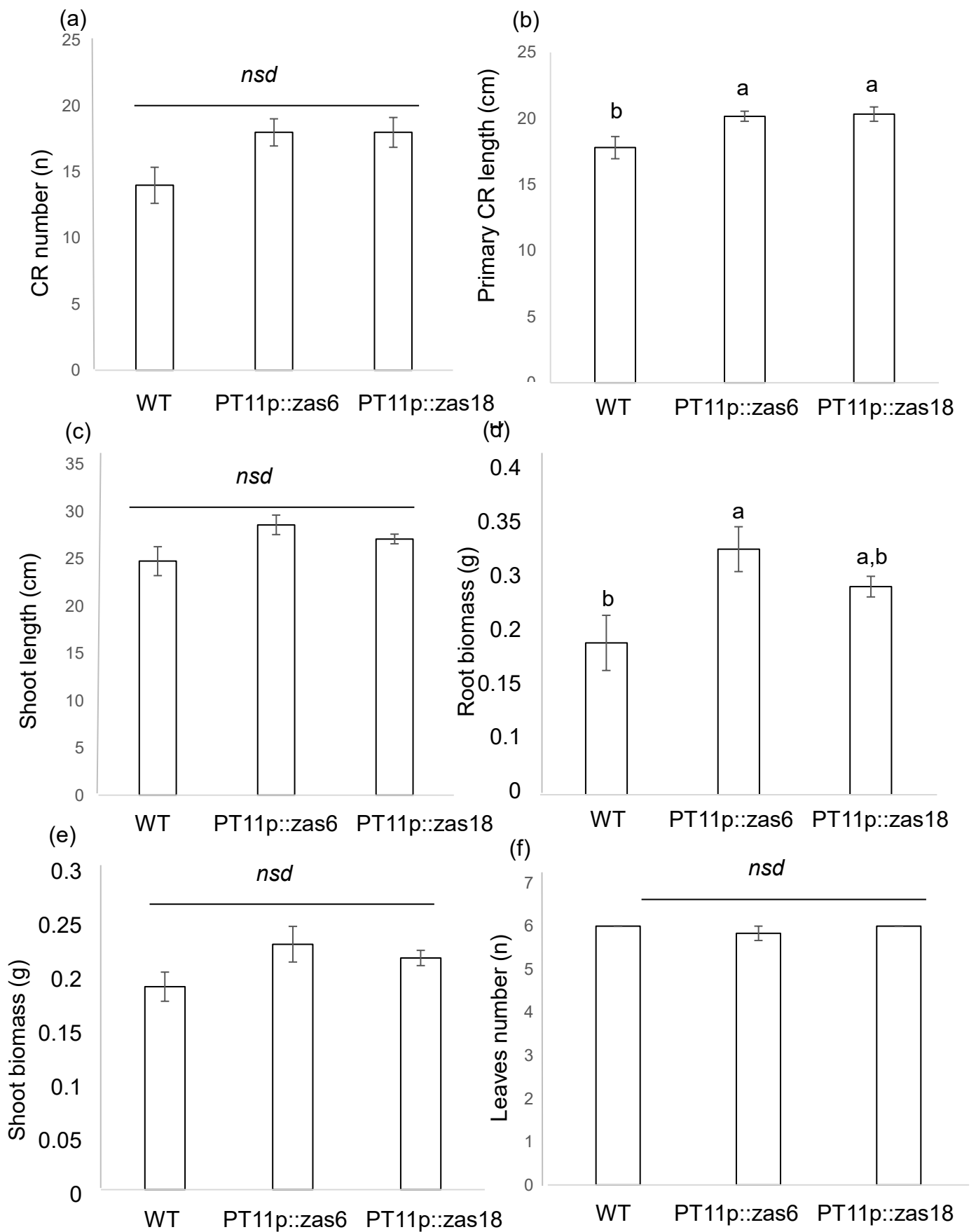


Figure S12

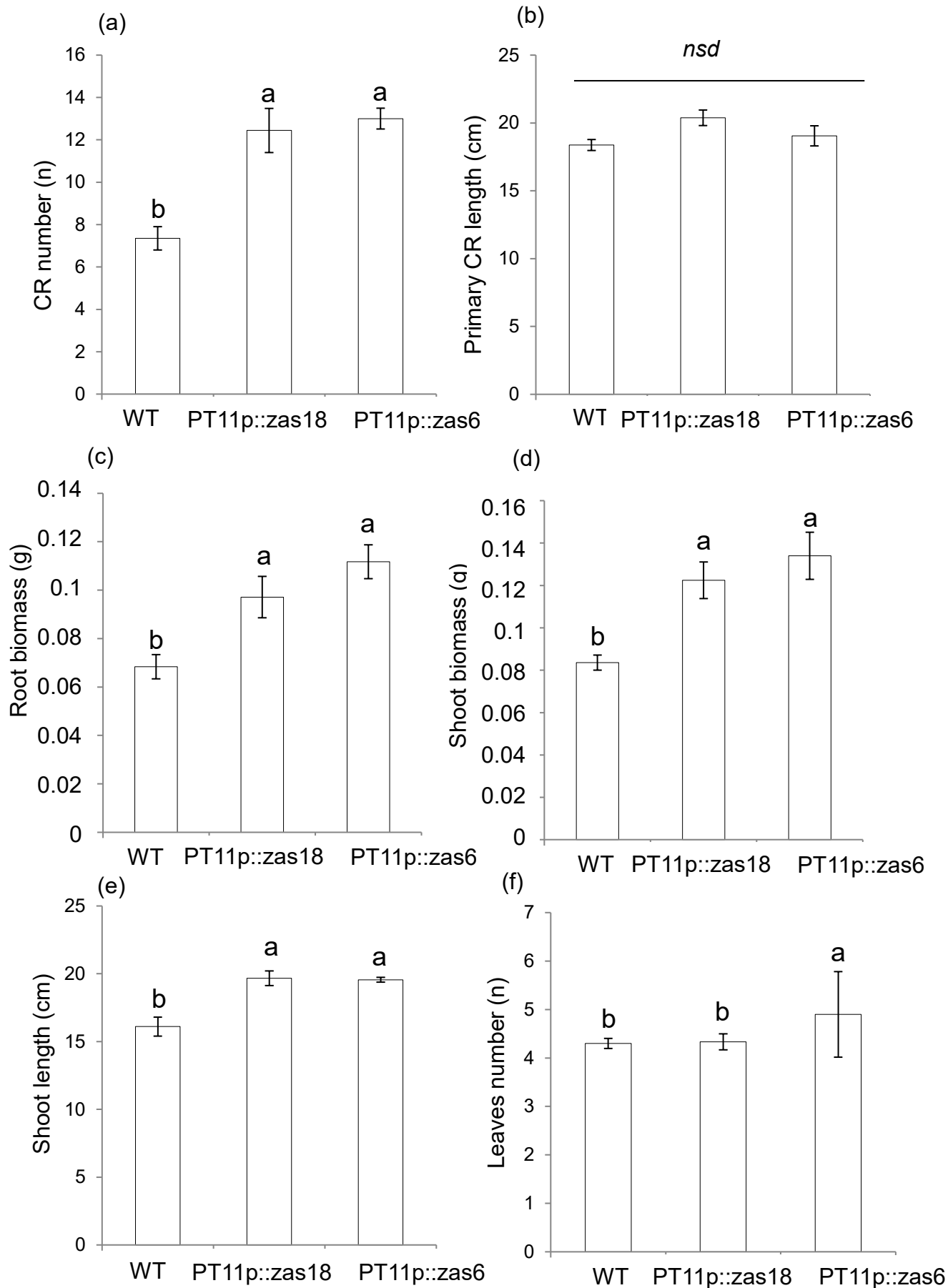


Figure S13

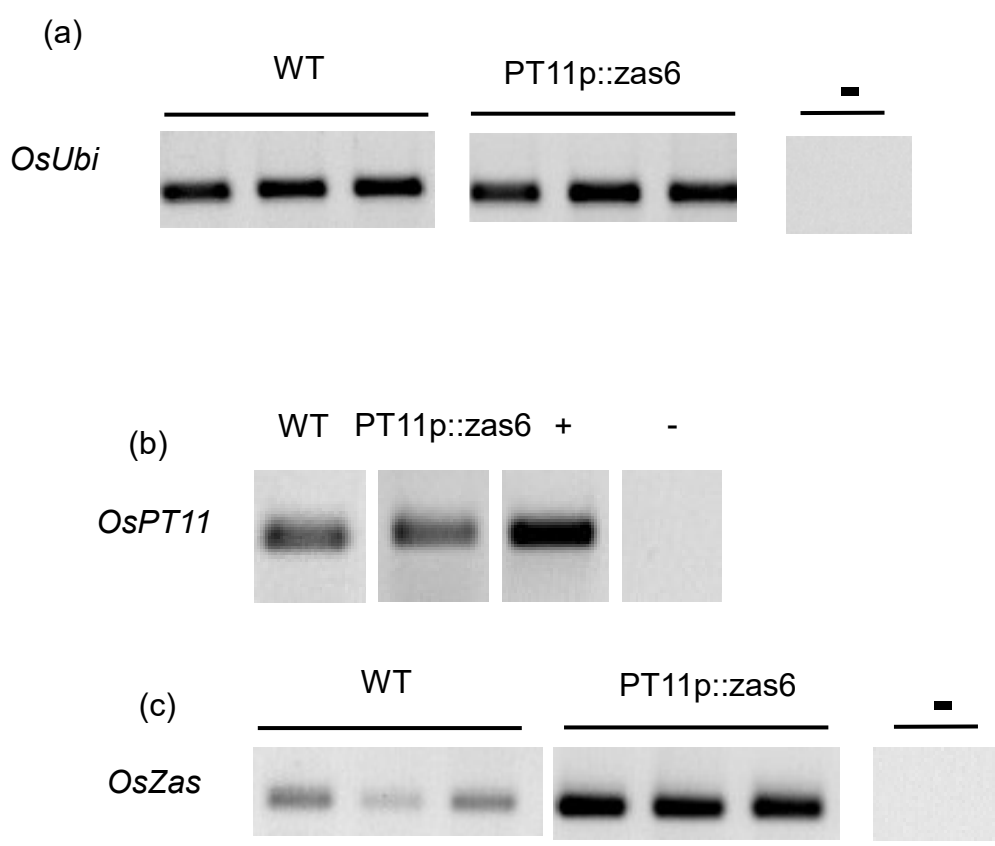


Figure S14

Table S1: Phytohormones quantification (pmol/g FW) in WT and zas non-mycorrhizal and mycorrhizal roots in a time course experiment.

			Sample n	ABA		
				Raw data	Mean	SD
Roots of Non-mycorrhizal plants	10DPG	WT	1	16,85	18,41 ± 1,01 <i>RSD 5%</i>	
			2	19,67		
			3	18,56		
			4	18,57		
	zas	1	8,18	8,34 ± 0,70 <i>RSD 8%</i> *** / 0,0000		
		2	7,82			
		3	9,52			
		4	7,83			
	20DPG	WT	1	2,86	3,36 ± 0,61 <i>RSD 18%</i>	
			2	4,07		
			3	2,67		
			4	3,86		
zas	1	6,00	5,92 ± 0,48 <i>RSD 8%</i> ** / 0,0015			
	2	6,67				
	3	5,47				
	4	5,53				
45DPG	WT	1	5,95	7,72 ± 1,67 <i>RSD 22%</i>		
		2	6,49			
		3	10,22			
		4	8,22			
zas	1	3,35	3,31 ± 0,42 <i>RSD 13%</i> * / 0,0165			
	2	3,96				
	3	3,14				
	4	2,80				
Roots of mycorrhizal plants	45DPG	WT	1	3,75	3,61 ± 0,36 <i>RSD 10%</i>	
			2	4,07		
			3	3,08		
			4	3,55		
	zas	1	5,41	5,29 ± 0,54 <i>RSD 10%</i> ** / 0,0057		
		2	6,04			
		3	4,53			
		4	5,19			

Table S2: Gibberellin quantification (pmol/g FW) in WT and zas non-mycorrhizal and mycorrhizal roots.

			Sample n	13-non-hydroxylated gibberellin content (pmol/g DW)																					
				GA ₁₅	GA ₂₄	GA ₁₃	GA ₉	GA ₇	GA ₄	GA ₅₁	GA ₃₄	GA ₁₀	GA ₁	GA ₁											
Roots of non-mycorrhizal plants	10DPG	WT	1	0.23	0.19	0.22	0.26	0.03	0.03	0.24	0.20	0.11	0.09	3.70	2.08	15.87	11.70	0.14	0.15	0.12	0.06	0.03	0.06	0.28	0.29
			2	0.17	0.02	0.50	0.14	0.03	0.01	0.18	0.03	0.09	0.01	1.84	7.01	14.22	4.63	0.33	0.11	0.04	0.03	0.12	0.04	0.29	0.07
			3	0.19		0.18		0.04		0.20		0.08		0.92		12.93		0.03		0.05		0.04		0.28	
			4	0.17		0.16		0.02		0.18		0.08		1.88		3.90		0.11		0.04		0.06		0.31	
		zas	1	0.36	0.21	0.23	0.17	0.02	0.03	0.41	0.28	0.13	0.10	0.97	1.77	1.04	16.51	0.27	0.17	0.21	0.21	0.07	0.06	0.30	0.32
			2	0.14	0.09	0.13	0.04	0.06	0.02	0.15	0.13	0.09	0.03	1.77	1.13	28.54	11.65	0.11	0.06	0.22	0.01	0.10	0.03	0.34	0.02
			3	0.16		0.15		0.03		ND		0.11		3.60		9.47		0.12		0.19		0.06		0.31	
			4	0.17		0.16		0.02		ND		0.06		0.72		26.97		0.18		0.21	***	0.02		0.33	
	20DPG	WT	1	0.10	0.12	0.30	0.21	0.07	0.03	ND	0.46	0.06	0.06	1.17	1.95	2.94	17.00	0.03	0.07	0.20	0.20	0.01	0.03	0.21	0.21
			2	0.13	0.01	0.13	0.09	0.02	0.02	0.30	0.16	0.09	0.01	3.07	0.69	8.89	11.28	0.03	0.05	0.21	0.03	0.05	0.02	0.20	0.01
			3	0.11		0.31		0.02		0.62		0.05		1.80		28.31		0.16		0.25		0.01		0.23	
			4	0.12		0.11		0.02		ND		0.06		1.76		27.86		0.08		0.15		0.03		0.20	
		zas	1	0.74	0.46	0.49	0.42	0.87	0.40	0.13	0.21	0.75	0.78	12.47	11.03	7.96	6.68	0.17	0.21	1.06	1.08	0.05	0.14	1.11	1.10
			2	0.20	0.29	0.59	0.16	0.20	0.29	0.21	0.08	0.71	0.37	9.51	2.65	12.52	3.96	0.28	0.04	1.20	0.08	0.19	0.07	1.10	0.29
			3	0.77		0.15		0.12		0.35		0.31		7.62		2.18		0.19		1.11		0.10		0.69	
			4	0.15	*	0.44	-	0.39	*	0.16	-	1.35	*	14.51	***	4.08	-	0.22	**	0.97	***	0.22	*	1.52	***
	45DPG	WT	1	0.13	0.41	3.83	3.25	0.02	0.02	0.92	0.52	0.08	0.07	2.85	2.21	8.49	9.00	0.31	0.21	0.43	0.35	0.03	0.01	0.23	0.22
			2	0.54	0.32	2.04	0.76	0.02	0.00	0.65	0.30	0.04	0.02	1.95	0.38	7.80	2.05	0.12	0.12	0.22	0.08	0.01	0.01	0.23	0.01
			3	0.08		3.95		0.02		0.35		0.07		1.90		12.47		0.07		0.38		0.01		0.21	
			4	0.87		3.19		0.02		0.13		0.08		2.14		7.23		0.35		0.37		0.01		0.21	
		zas	1	0.15	0.25	1.77	3.61	0.36	0.31	0.15	0.14	0.09	0.10	3.25	1.63	3.66	2.82	0.24	0.21	1.78	1.69	0.02	0.03	0.38	0.41
			2	0.18	0.11	3.44	1.45	0.26	0.09	0.20	0.04	0.14	0.02	1.64	1.05	2.18	0.82	0.17	0.03	1.75	0.17	0.03	0.01	0.47	0.06
			3	0.43		5.84		0.42		0.09		0.10		1.28		3.60		0.19		1.84		0.04		0.46	
			4	0.24	-	3.40	-	0.20	***	0.13	-	0.09	*	0.33	-	1.86	**	0.25	-	1.39	***	0.04		0.32	**
Roots of mycorrhizal roots	45DPG	WT	1	0.29	0.39	5.77	6.50	0.02	0.02	0.32	0.39	0.06	0.06	3.10	1.11	2.84	8.85	0.25	0.21	0.04	0.07	0.01	0.02	0.19	0.21
			2	0.56	0.15	5.38	1.58	0.02	0.00	0.15	0.18	0.08	0.01	0.31	1.15	11.61	6.08	0.18	0.05	0.07	0.02	0.04	0.01	0.23	0.01
			3	0.20		9.23		0.02		0.45		0.07		0.58		17.51		0.27		0.06		0.01		0.21	
			4	0.52		5.62		0.02		0.63		0.05		0.44		3.43		0.14		0.10		0.01		0.20	
	zas	1	0.16	0.16	1.13	1.75	0.02	0.03	0.98	0.84	0.06	0.06	0.35	1.14	10.06	7.82	0.22	0.20	0.18	0.17	0.03	0.06	0.28	0.22	
		2	0.16	0.01	1.13	0.62	0.03	0.00	0.98	0.26	0.04	0.01	0.36	0.83	7.63	2.39	0.17	0.08	0.14	0.06	0.02	0.04	0.21	0.04	
		3	0.14		2.40		0.02		1.01		0.07		1.55		4.00		0.10		0.26		0.13		0.21		
		4	0.18	*	2.33	**	0.02	-	0.40	*	0.06	-	2.29	-	9.58	-	0.32	-	0.10	*	0.08	*	0.17		

Table S3. Primer sequences used in this study

Experiment	Primer name	Sequence (5'-3')	Restriction enzyme	
For pCAMB1300-OsPT11prom:OsZAS construct	ZAS-F	ATGATGACAGCTTCTCTGCA		
	ZAS-R	TCACGTCATTGTGTTTGCTAG		
	Pro-PT11-F	ACTGAATTCGTACAAATTCATTTTTTTAGCGAAGTTAGAAG	<u>EcoRI</u>	
	Pro-PT11-R	CGTCTAGACTCCGATGATGCCGTCGAT	<u>XbaI</u>	
For pCAMB1300-OsPT11prom:OsZAS transgenic PCR test	PT11prom-Fwd	CTTGCAAGGGACAAAACAC		
	ZAS-Rev	AGTGGATTGGAACCAATTTCT		
For gene expression analysis (RT-qPCR)	OsZAS	F:CTCCATTGACCGTCTCAATCT R:TGGCTTCTGTCTGGTTTTCTCA		
	OsLysM	F:CGCTGACATGCAACAAGGTG R:CTTCGCGCAGTTGATGTTTGG		
	OsPT11	F:GAGAAGTTCCTGCTCAAGCA R:GAGAAGTTCCTGCTCAAGCA		
	OsRubQ1	F:GGGTTACAAGTCTGCCTATTTG R:ACGGGACACGACCAAGGA		
	Fm. 18S	F:GCTATTTGATCATTGCCGCC R:TCATTAACCGTTCTCCGACC		
	Oscdd8	F:GTTCCAGTACACGGACAAG R:ACTGCCTCTCGTTGCTA		
	OsMAX1-1400	F:ACGACGGCGTTCACTCTCTC R:TCCGAACCCGTCATCTCC		
	OsD14L	F:GAAGCCATGGGGTCAAATA R:GCGGCTAACTCCTGAACTG		
	OsSMAX1	F:AGGCATGGAGTTATAGATCT R:ACCGATCAATCCTTGCAACA		
	For probe generation for the <i>in situ</i> hybridization	M13-F	GTAAAACGACGGCCAGT	
		OsZAS-SP6-R	CTATTTAGGTGACTATAGAcaccctctcaagcagttgat	