

Appendix

Table A.1. Percentage of colonized length with active or dead AM structures in wild-type or *rmc* tomato colonized by AM fungi with different taxonomic affiliations. Labels are: *refers to both arbuscules/arbusculate coils; #refers to direct entry points not to appressoria; Appr, appressoria; EH, external hyphae; IH, internal hyphae; Arb, arbuscules. Means (n=4) in the same row followed by the same letter are not significantly different ($P \leq 0.05$) between each other using the LSD values.

Fungal species	Fungal structures in wild-type (%)							Fungal structures in the mutant (%)						
	Active				Dead			Active				Dead		
	Appr	EH	IH	Arb	Appr	EH	IH	Appr	EH	IH	Arb	Appr	EH	IH
Glomus Group A														
<i>G. intraradices</i> BEG159	14.7a	54.0a	86.6a	78.2a	6.1b	35a	28.6a	20.1a	45.5a	3.8b	2.6b	15.1a	29.6a	0.1a
<i>G. intraradices</i> UT127	13.6b	28.2b	91.1a	81.9a	1.5b	16 b	10.9a	44.5a	80.4a	6.3b	1.7b	21.5a	29.9a	0 b
<i>G. intraradices</i> WFVAM23	17.1a	33.8b	93.7a	76 a	10.7b	26.1b	13.5a	24.5a	53a	7 b	3.2b	26.1a	70 a	5.4b
<i>G. mosseae</i> BEG161	22.2a	38.5a	88.1a	78.4a	7.2b	24.2a	19 a	5.8b	16.1b	2.8b	1.9b	19 a	30.6a	4.3b
<i>G. fasciculatum</i> JBB91	15.8a	33.1b	84.9a	69.2a	4.9a	15.2b	12.5a	23.7a	75.7a	4.1b	0 b	15.6b	43.8a	0 b
<i>G. caledonium</i> BEG162	11.7a	35.8a	60.1a	54 a	5 b	9.7b	19.4a	7 a	16.6b	2 b	0.1b	32 a	39.7a	10.1b
<i>G. geosporum</i>	18.4b	55.9a	87.4a	13 a	17.8b	1 b	8.7a	39.2a	63.5a	5.1b	0 b	37.5a	69 a	16.6a
Glomus Group B														
<i>G. manihotis</i> Phill	19 a	32 a	90.3a	85.3a	7.1b	23 b	20.1a	15.3a	30 a	40.2b	38 b	39.1a	67 a	25.8a
<i>G. etunicatum</i> UT316A-2	17.4a	32.5a	54.1a	49.8a	4.8a	19.7a	12.4a	8.7b	29.1a	1.4b	0 b	13.4a	27.7a	0.5b
<i>G. claroideum</i> BEG155	17.6b	33.5b	72.3a	64.8a	3.8b	18 b	10.7a	60.3a	81.7a	18.9b	1.7b	19.5a	38 a	11.9a
Diversisporales														
Gigasporaceae														
<i>S. calospora</i> WUM12(2)	21.1b*	57.1a	54 a	45.8a#	8.9b*	27.1b	12.9a	39.8a*	64.8a	34.5a	0.5b#	43 a*	60.7a	34.6a

Chapter 8

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