

Table S1. Results of DNA analysis based on the D1 and D2 domains of the LSU rDNA gene identifying AMF OTU associated with *Vachellia seyal* trees in 3 different sites.

Site of isolation	Number of sequences	GenBank accession number	DNA sample	Ribotype species
Ngane	5	KX907028	Rhizosphere	<i>Glomus sp. 1</i>
		KX907027		
		KX907021		
		KX907022		
		KX907020		
Bambey	8	AM397810		<i>Glomus sp. 2</i>
		AM397811		
		AM397812		
		AM397813		
		AM397814		
		AM397815		
		AM397816		
		AM397817		
Ngane	9	KX907029		<i>Glomus sp. 3</i>
Ndiafate		KX907045		
		KX907044		
		KX907043		
		KX907042		
		KX907041		
		KX907040		
		KX907039		
Bambey	5	KX907038		<i>Glomus sp. 4</i>
		AM397818		
		AM397819		
		AM397820		
		AM397821		
Ngane	2	AM397822		<i>Glomus sp. 5</i>
		KX907037		
Ngane	2	KX907036		<i>Rhizophagus intraradices</i>
		KX907035		
Ngane	12	KX907024		
		KX907033		
		KX907023		
KX907034		<i>Glomus sp. 6</i>		
KX907060				
KX907059				
KX907058				
KX907057				
KX907053				
KX907056				
KX907055				
KX907054				
KX907052				
Bambey	2	AM397823		<i>Glomus sp. 7</i>
		AM397824		
Ngane	2	KX907032		<i>Glomus sp. 8</i>
Ndiafate		KX907051		
Ngane	9	KX907031		<i>Glomus sp. 9</i>
		KX907030		
		KX907026		
		KX907025		

Ndiafate		KX907048		
		KX907049		
		KX907050		
		KX907047		
		KX907046		
Bambey	1	AM397825		<i>Glomus sp. 10</i>
Bambey	18	AM397826	Roots	<i>Entrophospora sp.</i>
		AM397827		
		AM397828		
		AM397829		
		AM397831		
		AM397830		
Ndiafate		KX907064	Spores	
		KX907062		
		KX907063		
		KX907061		
		KX907070		
		KX907071		
		KX907069		
		KX907068		
		KX907067		
		KX907066		
		KX907065		
		KX907072		