

References cited in figures 2, 3	Amenabar (2007a, b,c)		Rubinstein	Le Herisse	Rubinstein (1999, 2000)	Barreda (1996)	di Pasquo (2007a)	Limachi et al. (1996); P.Leyton (1997)	Vavrdová et al. 1996	Ottone	Kimyai (1983), McGregor	Menéndez & P.	Melo & Loboziak (2003); Loboziak & Strel (1995)								
Stratigraphic units	Ch - LC	Chiqua - Chaco	Villavic.	Talacasto	P. Negra	LM	LM			SR	Icla/Hu	LM		Maccuru	Eeré		Barreiminha				
Country	Argentina													Bolivia			Paraguay				
Age of the assemblages	ea Giv	Ems-Eif	Eif-Giv	Prag-Ems	Up Lochk	Eif-Giv	Ia Giv-Fra	Gi-Fra	Ia Eif	me/la Gi	Ems	Eifel	Giv	Frasn	Ems	Giv	Gi-Fra	Fra	Fra-Fra		
Biozones	A	A1	A2		A1	A2			A1	A2	E/E	H,p	Vp-s	S/MB	Pre-Jem	LM	OT	OB	TG	Loch	
Selected species from Argentina, Bolivia and Brasil	1, A		1, B	1, C	1, D		2	3		4					5,A	5,B	6	7		8	
<i>Acinosporites acanthomammillatus</i> Richardson, 1965	1		1				1	1		1	1	1			1						
<i>Acinosporites apiculatus</i> (Strel) Strel, 1967							1	1		1					1	1	1		1	la Em-ea Giv	
<i>Acinosporites eumammillatus</i> Loboziak, Strel & Burjack, 1988							1	1				1								1	la Fra
<i>Acinosporites hirsutus</i> (Brideaux & Radforth) McGregor & Camfield, 1982			1				1	1													
<i>Acinosporites ledundai</i> Ottone, 1996							1	1		1					1						
<i>Acinosporites lindlaensis</i> Riegel, 1968	1	1		1			1	1	1	1					1		1	1	1	1	la Em-ea Fra
<i>Acinosporites macrospinosis</i> Richardson, 1965			1					1	1									1	1	ea Gi-ea Fra	
<i>Anapliculatisporites petilis</i> Richardson, 1965									1			1	1								
<i>Ancylospora langii</i> (Taugorreau-Lantz) Allen, 1965							1					1									
<i>Ancylospora</i> spp.			1										1								
<i>Apiculatasporites inferus</i> (Menéndez & Pöthe de Baldis) di Pasquo, 2005									1	1											
<i>Apiculatasporites microconus</i> (Richardson) McGregor & Camfield, 1982	1	1	1						1	1					1						
<i>Apiculatasporites grandis</i> Menéndez & Pöthe de Baldis, 1967	1						1	1	1				1		1		1		1		
<i>Apicularetusispota brandtii</i> Strel, 1964							1	1													
<i>Apicularetusispota densiconata</i> Tiwari & Schaarschmidt, 1975								1													
<i>Apicularetusispota gaspiensis</i> McGregor, 1973									1												
<i>Apicularetusispota laxa</i> Amenábar, di Pasquo, Carrizo & Azcuy, 2006	1	1		1				1	1				1		1						
<i>Apicularetusispota plicata</i> (Allen) Strel, 1967	1	1	1					1	1	1		1	1		1						
<i>Archaeoperisaccus</i> sp. in Ottone, 1996							1														
<i>Archaeozonotriletes chulus</i> var. <i>chulus</i> (Cramer) Richardson & Lister, 1969	1			1					1	1	1				1						
<i>Archaeozonotriletes variabilis</i> Naumova emend. Allen, 1965									1	1	1	1					1			ea Giv	
<i>Auroraspora pseudocrista</i> Ahmed, 1980																		1	1	la Fra	
<i>Camarozonotriletes concavus</i> Loboziak & Strel, 1989										1							1	1		Eif-ea Giv	
<i>Campozonotriletes caperatus</i> McGregor, 1973												1									
<i>Chelinospora concinna</i> Allen, 1965										1		1							1	la Giv	
<i>Chelinospora ligurata</i> Allen, 1965										1		1						1		ea Giv	
<i>Chelinospora paravermiculata</i> Loboziak et al., 1988										1								1		la Giv	
<i>Chelinospora timanica</i> (Naumova) Loboziak & Strel, 1989										1		1						1	1	1	
<i>Convolutispora crassata</i> (Naumova) McGregor & Camfield, 1982									1										1	ea Giv-la Fra	
<i>Convolutispora disparalis</i> Allen, 1965											1	1									
<i>Corystisporites multispinosus</i> Richardson, 1965																					
<i>Craspedispora ghadamensis</i> Loboziak & Strel, 1989							1	1									1	1		Eif-ea Giv	
<i>Craspedispora paranensis</i> Loboziak, Strel & Burjack, 1989																	1	1		Eif-ea Giv	
<i>Crassisporea catenata</i> Higgs, 1975	1								1	1	1	1		1	1				1	1	
<i>Cymbosporites catilus</i> Allen, 1965	1									1								1	1		
<i>Cymbosporites cyathus</i> Allen, 1965	1									1			1								
<i>Cymbosporites horiscoides</i> Balmé, 1988									1												
<i>Cymbosporites</i> spp.																					
<i>Diatomozonotriletes franklinii</i> McGregor & Camfield, 1982																					
<i>Dibolisporites echinaceus</i> (Eisenack) Richardson, 1965							1	1	1	1											
<i>Dibolisporites eifelensis</i> (Lanning) McGregor, 1973	1	1		1	1				1												
<i>Dibolisporites farraginis</i> McGregor & Camfield, 1982																					
<i>Dibolisporites quebecensis</i> McGregor, 1973	1									1											
<i>Dibolisporites</i> spp.																					
<i>Dibolisporites uncatus</i> McGregor & Camfield, 1982								1													
<i>Dibolisporites variegatus</i> McGregor, 1973										1											
<i>Dibolisporites varius</i> Tiwari & Schaarschmidt, 1975	1									1											
<i>Dictyotrilites emsienensis</i> morphon Rubinstein et al., 2005	1																				
<i>Dictyotrilites subgranifer</i> McGregor, 1973	1																				
<i>Didicutes mucronatus</i> (Kedo) Van Veen, 1981																		1	1		

<i>Emphanisporites annulatus</i> McGregor, 1961	1				1		1						1	1	1		1	la Ems-es Giv
<i>Emphanisporites decoratus</i> Allen, 1965		1					1	1										
<i>Emphanisporites epicatus</i> Richardson & Lister, 1969							1	1										
<i>Emphanisporites orbicularis</i> Turnau, 1986 (?= <i>Artemopyra recticosta</i> Breuer et al., 2007b)							1											
<i>Emphanisporites rotatus</i> McGregor 1964 emend. McGregor, 1973	1	1		1		1	1	1	1		1	1	1					
<i>Endoculeospora altobelli</i> di Pasquo, 2007a							1						1					
<i>Endosporites longiradiatus</i> Menéndez & Pôthe de Baldis, 1967						1	1	1			1	1	1					
<i>Geminospora lemurata</i> Balme 1962 emend. Playford, 1983	1					1	1		1	1	1			1	1	1	1	
<i>Geminospora piliformis</i> Loboziak et al., 1988											1			1	1	1	Fras	
<i>Geminospora punctata</i> Owens, 1971														1	1	1	Giv-Fras	
<i>Geminospora</i> sp. cf. <i>G. tuberculata</i> var. <i>tuberculata</i> McGregor, 1996	1																	
<i>Grandispora brevispinosa</i> Menéndez & Pôthe de Baldis, 1967						1					1		1					
<i>Grandispora brevizonata</i> (Menéndez & Pôthe de Baldis) di Pasquo, 2005						1		1					1					
<i>Grandispora daemonii</i> Loboziak, Strel & Burjack, 1988						1	1		1	1						1	Fra ta	
<i>Grandispora douglastownense</i> McGregor, 1973						1	1							1	1	1	la Ems-es Giv	
<i>Grandispora eximia</i> (Allen) Richardson & McGregor, 1986								1	1	1								
<i>Grandispora gabesensis</i> Loboziak & Strel, 1989						1	1										1 ea Giv	
<i>Grandispora inculta</i> Allen, 1965						1	1		1	1								
<i>Grandispora libyensis</i> Moreau-Benoit, 1980						1								1	1		Eif-ea Giv	
<i>Grandispora limae</i> Daemon, 1974									1									
<i>Grandispora mammillata</i> Owens, 1971	1	1				1	1		1	1					1		ea Giv	
<i>Grandispora megaformis</i> (Richardson) McGregor, 1973						1		1						1	1	1	la Ems-es Giv	
<i>Grandispora permula</i> (Daemon) Loboziak, Strel & Melo, 1999						1	1		1	1				1	1	1	Eif-ea Giv	
<i>Grandispora protea</i> (Naumova) Moreau-Benoit, 1980						1	1		1					1	1	1	la Ems-es Giv	
<i>Grandispora pseudoreticulata</i> (Menéndez & Pôthe de Baldis) Ottone, 1996	1	1				1	1	1		1				1	1	1		
<i>Grandispora</i> spp.	1	1				1	1	1						1	1	1	la Ems-es Giv	
<i>Grandispora tabulata</i> Loboziak, Strel & Burjack, 1988						1								1	1	1		
<i>Grandispora velata</i> (Eisenack) Playford, 1971		1							1									
<i>Grandispora verrucosa</i> (Menéndez & Pôthe de Baldis) di Pasquo, 2005						1	1		1				1	1				
<i>Granulatisporites muninensis</i> Allen, 1965	1					1												
<i>Hystricosporites</i> sp. cf. <i>H. miratus</i> Allen, 1965																		
<i>Hystricosporites</i> sp. in Ottone, 1996						1												
<i>Hystricosporites</i> spp.																		
<i>Leiotriletes balapucensis</i> di Pasquo, 2007a	1	1				1			1									
<i>Leiotriletes pagius</i> Allen, 1965						1	1											
<i>Leiotriletes trivialis</i> Naumova, 1953	1	1																
<i>Lophozonotriletes lebedianensis</i> Naumova, 1953																		
<i>Lophozonotriletes media</i> Taugourdeau-Lantz, 1967									1						1	1	Fra	
<i>Lophozonotriletes</i> spp.																		
<i>Punctatisporites glaber</i> (Naumova) Playford, 1962	1													1				
<i>Punctatisporites piculhaensis</i> Menéndez & Pôthe de Baldis, 1967							1							1				
<i>Punctatisporites planus</i> Hacquebard, 1957	1																	
<i>Punctatisporites</i> spp.																		
<i>Raistrickia aratra</i> Allen, 1965					1			1										
<i>Raistrickia</i> spp.																		
<i>Retusotriletes maculatus</i> McGregor & Camfield, 1976			1		1			1				1						
<i>Retusotriletes paraguayensis</i> Menéndez & Pôthe de Baldis, 1967					1	1						1						
<i>Retusotriletes simplex</i> Naumova, 1953						1												
<i>Retusotriletes</i> spp.	1	1																
<i>Rhabdosporites langii</i> (Eisenack) Richardson/parvulus Richardson, 1965								1	1	1				1			ea Gi	
<i>Rugospora bricei</i> Loboziak & Strel, 1989									1						1	1	la Fra	
<i>Grandispora praetervisa</i> (Naumova) Moreau-Benoit 1980 (=Samarisporites praetervisoris Allen, 1965)							1											
<i>Samarisporites triangulatus</i> Allen, 1965						1	1		1	1					?	1	1	
<i>Teichertospora torquata</i> (Higgs) Foster & Balme, 1994											1				1	1	la Fra	
<i>Verruciretuspora magnifica</i> (McGregor) Owens, 1971							1			1	1				1	1	la Fra	





