

S1 Table. Distribution of Early Permian (Kungurian) to Middle Triassic (Ladinian) plant taxa, northeastern Italy.

PLANT TAXA	PERMIAN		EARLY MIDDLE						TRIASSIC				
	EARLY	LATE							LATE MIDDLE				
	Kun- gurian	Wuchia- pingian	Anisian						Ladinian				
	Tregivo	Bletter- bach	Agordo	Kühwie- senkopf	Hochal- penkopf	Maurer- kopf	Monte Rite	Furkel- pass	Cernera	Monte Agnello	Forcela da Cians	St. Veit Seewald	Inner- kohlbach
Lycophytes													
<i>Isoetites brandneri</i>				X									
<i>Lepacyclotes bechstaedtii</i>				X				X					
<i>Lycopodia dezanchei</i>				X									
<i>Selaginellites leonardii</i>				X									
Sphenophytes													
<i>Annularia</i> sp.	X												
<i>Calamites</i> sp.	X												
Indet.		X											
<i>Echinostachys</i> sp.				X									
<i>Equisetites arenaceus</i>											X		
<i>Equisetites mougeotii</i>				X		X		X					
<i>Neocalamites asperrimus</i>				X									
<i>Radicites</i> sp.				X					X				
<i>Schizoneura paradoxa</i>										cf			
Pteridophytes													
<i>Anomopteris mougeotii</i>				X					X				
<i>Chiropteris monteagnellii</i>										X			
<i>Cladophlebis ladinica</i>										X			
<i>Cladophlebis leuthardtii</i>								X	X		X	X	
<i>Cladophlebis remota</i>			X	X				X					
<i>Cladophlebis</i> sp. 1				X				X					
<i>Cladophlebis</i> sp. A										X			
<i>Danaeopsis angustifolia</i>				cf								X	
<i>Gordonopteris lorigae</i>				X	X			X	X		X		
<i>Marattiopsis</i> sp.				X				X				X	
<i>Neuropteridium elegans</i>				X				X		X			
<i>Neuropteridium voltzii</i>			X	X				X					
<i>Neuropteridium</i> sp.			X	X					X		X		

PLANT TAXA	PERMIAN		TRIASSIC										
	EARLY	LATE	EARLY MIDDLE					LATE MIDDLE					
	Kun- gurian	Wuchia- pingian	Anisian					Ladinian					
	Tregivo	Bletter- bach	Agordo	Kühwie- senkopf	Hochal- penkopf	Maurer- kopf	Monte Rite	Furkel- pass	Cernera	Monte Agnello	Forcela da Cians	St. Veit Seewald	Inner- kohlbach
<i>Phlebopteris fiemmensis</i>										X			
<i>Scolopendrites grauvogelii</i>				X									
<i>Scolopendrites scolopendrioides</i>				X									
<i>Sphenopteris schoenleiniana</i>				X				X					
<i>Scolopendrites</i> sp.				X				X					
<i>Thaumatopteris</i> sp.										X			
Pteridosperms													
alethopteroid pinnules		X											
<i>Germaropteris martinsii</i>		X											
<i>Peltaspermum bornemannii</i>				X	X			X					
<i>Peltaspermum</i> sp.	X	X	X										
<i>Ptilozamites sandbergeri</i>				cf						X	X	X	
<i>Sagenopteris</i> sp.				X				X					
<i>Scytophyllum bergeri</i>				X				X		X			
Pteridophytes or Pteridosperms													
<i>Lodevia nicklesii</i>	X												
<i>Lugar donia paradoxa</i>					X								
<i>Sphenopteris kukukiana</i>	X												
<i>Sphenopteris patens</i>	X												
<i>Sphenopteris suessii</i>		X											
<i>Sphenopteris</i> sp. 1		X											
Indeterminate foliage					X								
Ginkgophytes													
<i>Baiera digitata</i>		X											
<i>Dicranophyllum</i> sp.		X											
<i>Esterella gracilis</i>	X												
<i>Leptostrobus</i> sp.		X											
<i>Sphenobaiera</i> sp.	X												
<i>Sphenobaiera</i> sp. 1		X											
Cycadophytes													
" <i>Pterophyllum</i> " sp.				X					X			X	

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	EARLY	LATE								LATE MIDDLE				
	Kun-	Wuchia-	Anisian							Ladinian				
	gurian	pingian		Kühwie-	Hochal-	Maurer-	Monte	Furkel-		Monte	Forcela	St. Veit	Inner-	
Tregivo	Bletter-	Agordo	senkopf	penkopf	kopf	Rite	pass	Cerner	Agnello	da Cians	Seewald	kohlbach		
<i>Voltzia</i> sp.			X		X		X		X	X	X	X	X	
<i>Voltzia</i> sp. 1				X										
Incertae Sedis														
cordaitalean-type leaves	X													
<i>Dicranophyllum</i> sp.	X													
indeterminate foliage 1	X													
indeterminate seed			X	X					X					