



Table 2

		Priabonian of Sarral																																							
morphotype	Species	Unlobed	Lobed	No Teeth	Teeth	Regular teeth	Irregular teeth	Close teeth	Distant teeth	Round teeth	Acute teeth	Compound teeth	Compound <50%	Nanophyll	Leptophyll I	Leptophyll II	Microphyll I	Microphyll II	Microphyll III	Mesophyll I	Mesophyll II	Mesophyll III	Emerginate	Round	Acute	Attenuate	Cordate	Round	Acute	L:W < 1:1	L:W 1-2:1	L:W 2-3:1	L:W 3-4:1	L:W > 4:1	Obovate	Elliptic	Ovate				
		23	Fabales sp. indet. 4	1		1														1						1										1	1				
24	Fabales sp. indet. 5	1		1												1																1						1			
25	Fabales sp. indet. 6	1		1														1																	1					1	
26	Fabales sp. indet. 7	1		1														1																		1				1	
27	Fabales sp. indet. 8	1		1														1																		1				1	
44	<i>Zizyphus zizyphoides</i>	1			1	1		1			1	1						1	1	1					1									1					1		
45	<i>Quercus weberi</i>	1			1	1		1			1	1						1								1														1	
47	<i>Quercus</i> sp. indet. 1	1			1	1		1			1	1														1															
49	<i>Myrica arenasi</i>	1		1														1																			1			1	
52	<i>Comptonia schrankii</i>		1	1														1	1	1						1													1		
61	<i>Pisonia eocenica</i>	1		1														1								1														1	
62	<i>Bumelia minor</i>	1		1														1	1						1															1	
63	Magnoliopsida sp. indet. 1	1		1														1								1															1
64	Magnoliopsida sp. indet.. 2	1		1														1								1															1
65	Magnoliopsida sp. indet. 3	1		1														1								1															1
66	Magnoliopsida sp. indet. 4	1			1	1			1		1	1						1								1															1

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Rupelian of Cervera											Completeness: 0.93																								
Morphotype	Species	Lamina		Margin							Size					Apex		Base		Length : Width			Shape												
		Unlobed	Lobed	No Teeth	Teeth	Regular teeth	Irregular teeth	Close teeth	Distant teeth	Round teeth	Acute teeth	Compound teeth	Compound < 50%	Nanophyll	Leptophyll I	Leptophyll II	Microphyll I	Microphyll II	Microphyll III	Mesophyll I	Mesophyll II	Mesophyll III	Emerginate	Round	Acute	Attenuate	Cordate	Round	Acute	L:W < 1:1	L:W 1-2:1	L:W 2-3:1	L:W 3-4:1	L:W > 4:1	Obovate
1	<i>Daphnogene</i> sp. indet. 1	1		1										1	1								1								1	1			1
2	<i>Daphnogene</i> sp. indet. 2	1		1											1								1								1				1
3	<i>Laurophyllum</i> sp. indet. 1	1		1											1								1								1	1			1
4	<i>Laurophyllum</i> sp. indet. 2	1		1											1												1		1	1			1		
5	<i>Laurophyllum</i> sp. indet. 3	1		1											1								1								1				1
6	<i>Laurophyllum</i> sp. indet. 4	1		1											1												1				1				1
7	<i>Laurophyllum</i> sp. indet. 5	1		1											1								1								1				1
8	<i>Laurophyllum</i> sp. indet. 6	1		1											1									1				1							1
9	<i>Laurophyllum</i> sp. indet. 7	1		1											1								1								1				1
10	<i>Laurophyllum</i> sp. indet. 8	1		1											1								1								1				1
12	<i>Grevillea</i> sp	1		1											1								1								1				1

Rupelian of Cervera

Morphotype	Species	Rupelian of Cervera																																		
		Unlobed	Lobed	No Teeth	Teeth	Regular teeth	Irregular teeth	Close teeth	Distant teeth	Round teeth	Acute teeth	Compound teeth	Compound <50%	Nanophyll	Leptophyll I	Leptophyll II	Microphyll I	Microphyll II	Microphyll III	Mesophyll I	Mesophyll II	Mesophyll III	Emarginate	Round	Acute	Attenuate	Cordate	Round	Acute	L:W < 1:1	L:W 1-2:1	L:W 2-3:1	L:W 3-4:1	L:W > 4:1	Obovate	Elliptic
13	<i>Salix lavateri</i>	1		1	1	1	1	1	1	1	1	1				1	1	1	1	1					1									1		1
14	<i>Salix</i> sp. indet. 1	1		1												1									1									1		1
15	<i>Salix</i> sp. indet. 2	1			1	1			1		1					1									1									1		1
18	<i>Robinia</i> sp	1		1												1								1									1		1	
19	<i>Mimosites segarrensis</i>	1		1												1								1									1		1	
20	Fabales sp. indet. 1	1		1												1								1									1		1	
28	Fabales sp. indet. 9	1		1												1								1									1		1	
29	Fabales sp. indet. 10	1		1												1								1									1		1	
30	Fabales sp. indet. 11	1		1												1								1									1		1	
31	Fabales sp. indet. 12	1		1												1								1									1		1	
32	Fabales sp. indet. 13	1		1												1								1									1		1	
33	Fabales sp. indet. 14	1		1												1								1									1		1	
34	Fabales sp. indet. 15	1		1												1							1										1		1	
35	Fabales sp. indet. 16	1		1												1								1									1		1	
36	Fabales sp. indet. 17	1		1												1								1									1		1	
37	Fabales sp. indet. 18	1		1												1								1									1		1	





**Table 3**

	MAT (°C)	WMMT (°C)	CMMT (°C)	GROWSEAS (months)	GSP (cm)	MMGSP (cm)	3- WET (cm)	3- DRY (cm)	RH (%)
Oligocene of Cervera	16.81	26.04	8.49	9.65	216.23	18.80	88.49	28.05	46.61
Eocene of Sarral	19.83	27.50	11.78	10.73	174.24	15.77	74.64	22.94	52.64