

## APPENDIX 1

### Distribution of character states

Table 1. Division of the anterocone M1

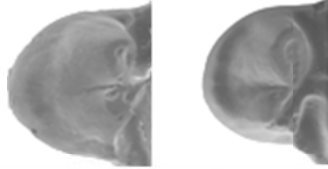
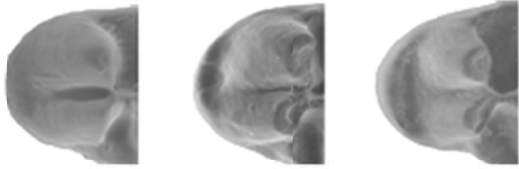
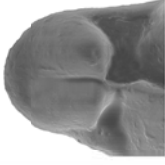
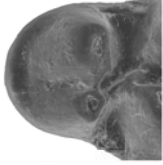
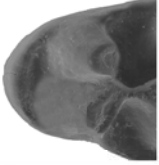
Localities			N
Sansan ( <i>M. gersii</i> )		10 (100%)	10
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	2 (25%)	6 (75%)	8
Blanquatière 1 ( <i>M. aunayi</i> )	5 (9%)	48 (91%)	53
Langenmoosen ( <i>M. bavaricus</i> )		29 (100%)	29
Bézian ( <i>M. bezianensis</i> )	39 (62%)	24 (33%)	63
Suèvres ( <i>M. bourgeoisii</i> )	2 (33%)	4 (67%)	6
Châteauredon ( <i>M. lalai</i> )	4 (15%)	22 (85%)	26
Valtorres ( <i>M. primitivus</i> )	3 (7%)	42 (93%)	45
Aliveri North Quarry ( <i>M. hellenicus</i> )	7 (58%)	5 (42%)	12
Aliveri South Quarry ( <i>M. hellenicus</i> )		4 (100%)	4
Strakonice	1 (100%)		1
Františkovy Lázně	12 (32%)	25 (63%)	37
Mokrá – Turtle Fissure		2 (100%)	2
Dolnice 3	1 (50%)	1 (50%)	2

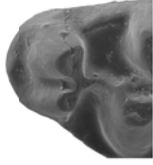
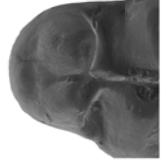
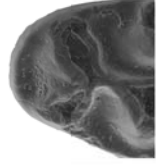
Table 2. Anterior cingulum M1

Localities				N
Sansan ( <i>M. gersii</i> )	1 (10%)	8 (80%)	1 (10%)	10
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	8 (100%)			8
Blanquatière 1 ( <i>M. aunayi</i> )	21 (40%)	31 (58%)	1 (2%)	53
Langenmoosen ( <i>M. bavaricus</i> )	20 (69%)	7 (24%)	2 (7%)	29
Bézian ( <i>M. bezianensis</i> )	41 (65%)	22 (35%)		63
Suèvres ( <i>M. bourgeoisii</i> )	2 (33%)	3 (50%)	1 (17%)	6
Châteauredon ( <i>M. lalai</i> )	13 (50%)	13 (50%)		26
Valtorres ( <i>M. primitivus</i> )	18 (40%)	24 (53%)	3 (7%)	45
Aliveri North Quarry ( <i>M. hellenicus</i> )	5 (42%)	6 (50%)	1 (8%)	12
Aliveri South Quarry ( <i>M. hellenicus</i> )	1 (25%)	3 (75%)		4
Strakonice	1 (100%)			1
Františkovy Lázně	22 (59%)	15 (41%)		37
Mokrá – Turtle Fissure		2 (100%)		2
Dolnice 3	1 (50%)	1 (50%)		2

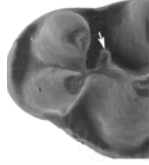
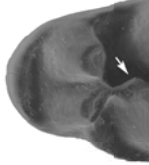
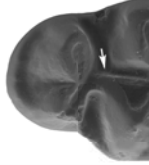
**Table 3.** Symmetry of the Anterocone M1

Localities				N
Sansan ( <i>M. gersii</i> )	4 (36%)	7 (64%)		11
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	4 (50%)	4 (50%)		8
Blanquatière 1 ( <i>M. aunayi</i> )	6 (10%)	53 (90%)		59
Langenmoosen ( <i>M. bavaricus</i> )	1 (3%)	35 (97%)		36
Bézian ( <i>M. bezianensis</i> )		63 (100%)		63
Suèvres ( <i>M. bourgeoisii</i> )		(100%)		
Châteauredon ( <i>M. lalairi</i> )	7 (19%)	28 (78%)	1 (3%)	36
Valtorres ( <i>M. primitivus</i> )	9 (20%)	36 (80%)		45
Aliveri North Quarry ( <i>M. hellenicus</i> )	4 (33%)	7 (58%)	1 (8%)	12
Aliveri South Quarry ( <i>M. hellenicus</i> )		4 (100%)		4
Strakonice		1 (100%)		1
Františkovy Lázně	4 (11%)	33 (89%)		37
Mokrá – Turtle Fissure	1 (50%)	1 (50%)		2
Dolnice 3		2 (100%)		2

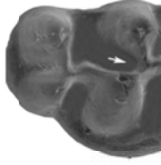
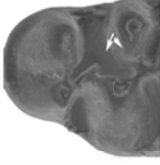
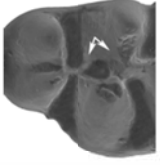
**Table 4.** Anterolophule M1

Localities				N
Sansan ( <i>M. gersii</i> )	5 (71%)	2 (29%)		7
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	1 (14%)	6 (86%)		7
Blanquatière 1 ( <i>M. aunayi</i> )	4 (6%)	66 (94%)		70
Bézian ( <i>M. bezianensis</i> )		63 (100%)		63
Valtorres ( <i>M. primitivus</i> )		19 (39%)	30 (61%)	49
Aliveri North Quarry ( <i>M. hellenicus</i> )		2 (14%)	12 (86%)	14
Aliveri South Quarry ( <i>M. hellenicus</i> )		1 (25%)	3 (75%)	4
Strakonice		1 (100%)		1
Františkovy Lázně		37 (100%)		37
Mokrá – Turtle Fissure		2 (100%)		2
Dolnice 3			2 (100%)	2

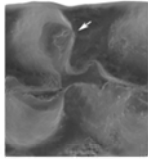
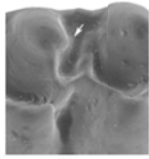
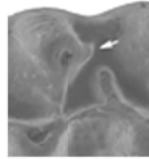
**Table 5.** Labial Spur of the Anterolophule M1

Localities				N
Sansan ( <i>M. gersii</i> )	1 (10%)	1 (10%)	8 (80%)	10
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	2 (20%)		8 (80%)	10
Blanquatère 1 ( <i>M. aunayi</i> )	15 (22%)	1 (1%)	52 (76%)	68
Langenmoosen ( <i>M. bavaricus</i> )	11 (28%)	4 (10%)	24 (62%)	39
Bézian ( <i>M. bezianensis</i> )	10 (16%)		53 (84%)	63
Châteauredon ( <i>M. lalai</i> )	7 (18%)	3 (8%)	29 (74%)	39
Valtorres ( <i>M. primitivus</i> )	10 (19%)	2 (4%)	41 (77%)	53
Aliveri North Quarry ( <i>M. hellenicus</i> )	8 (67%)		4 (33%)	12
Aliveri South Quarry ( <i>M. hellenicus</i> )	1 (33%)		2 (67%)	3
Strakonice			1 (100%)	1
Františkovy Lázně	12 (32%)	3 (8%)	23 (61%)	38
Mokrá – Turtle Fissure		1 (50%)	1 (50%)	2
Dolnice 3		1 (50%)	1 (50%)	2

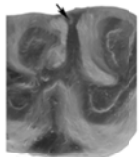

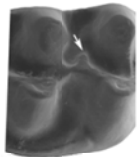
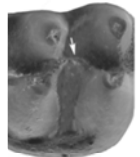
**Table 6.** Protolophule of the M1

Localities				N
Sansan ( <i>M. gersii</i> )	10 (100%)			10
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	7 (78%)	2 (22%)		9
Blanquatère 1 ( <i>M. aunayi</i> )	52 (84%)	6 (10%)	4 (6%)	62
Langenmoosen ( <i>M. bavaricus</i> )	28 (78%)	7 (19%)	1 (3%)	36
Bézian ( <i>M. bezianensis</i> )	63 (97%)	2 (3%)		65
Suèvres ( <i>M. bourgeoisii</i> )	(100%)			
Châteauredon ( <i>M. lalai</i> )	33 (87%)	5 (13%)		38
Valtorres ( <i>M. primitivus</i> )	35 (80%)	7 (16%)	2 (5%)	44
Aliveri North Quarry ( <i>M. hellenicus</i> )	6 (55%)	4 (36%)	1 (9%)	11
Aliveri South Quarry ( <i>M. hellenicus</i> )	3 (75%)	1 (25%)		4
Strakonice			1 (100%)	1
Františkovy Lázně	34 (87%)	5 (13%)		39
Mokrá – Turtle Fissure	2 (100%)			2
Dolnice 3	2 (100%)			2

**Table 7.** Ectoloph M1

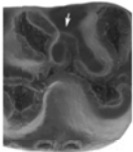
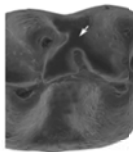
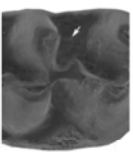
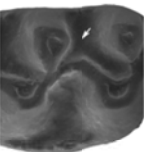
Localities				N
Sansan ( <i>M. gersii</i> )	2 (18%)	9 (82%)		11
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	1 (9%)	6 (55%)	4 (36%)	11
Blanquatière 1 ( <i>M. aunayi</i> )	39 (56%)	31 (44%)		70
Langenmoosen ( <i>M. bavaricus</i> )	13 (34%)	25 (66%)		38
Bézian ( <i>M. bezianensis</i> )	22 (35%)	41 (65%)		63
Châteauredon ( <i>M. lalai</i> )	4 (11%)	30 (79%)	4 (11%)	38
Valtorres ( <i>M. primitivus</i> )	20 (38%)	27 (51%)	6 (11%)	53
Aliveri North Quarry ( <i>M. hellenicus</i> )	6 (46%)	6 (46%)	1 (8%)	13
Aliveri South Quarry ( <i>M. hellenicus</i> )	1 (25%)	2 (50%)	1 (25%)	4
Strakonice	1 (100%)			1
Františkovy Lázně	1 (3%)	14 (35%)	25 (63%)	40
Mokrá – Turtle Fissure		1 (50%)	1 (50%)	2
Dolnice 3		1 (50%)	1 (50%)	2

**Table 8.** Mesoloph M1

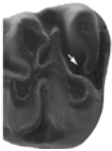
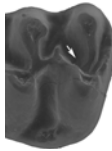
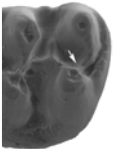
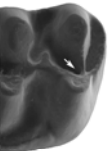

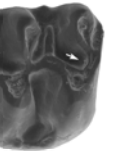
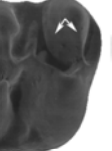

Localities					N
Sansan ( <i>M. gersii</i> )		1 (9%)	10 (91%)		11
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )		7 (70%)	3 (30%)		10
Blanquatière 1 ( <i>M. aunayi</i> )		26 (37%)	41 (59%)	3 (4%)	70
Langenmoosen ( <i>M. bavaricus</i> )	1 (3%)	29 (76%)	8 (21%)		38
Bézian ( <i>M. bezianensis</i> )		56 (89%)	7 (11%)		63
Suèvres ( <i>M. bourgeoisii</i> )		7 (88%)	1 (13%)		8
Châteauredon ( <i>M. lalai</i> )		23 (59%)	16 (41%)		39
Valtorres ( <i>M. primitivus</i> )	1 (2%)	20 (40%)	25 (50%)	4 (8%)	50
Aliveri North Quarry ( <i>M. hellenicus</i> )	2 (15%)	9 (69%)	2 (15%)		13
Aliveri South Quarry ( <i>M. hellenicus</i> )		2 (50%)	2 (50%)		4
Strakonice		1 (100%)			1
Františkovy Lázně	2 (5%)	17 (43%)	21 (53%)		40
Mokrá – Turtle Fissure		2 (100%)			2
Dolnice 3	1 (50%)	1 (50%)			2



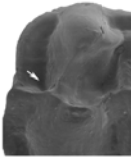
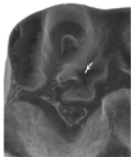
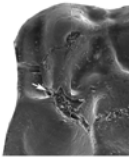
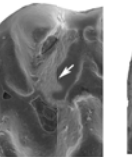
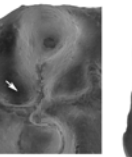
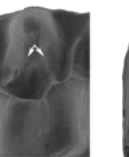
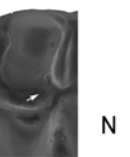
**Table 9.** Connection Mesoloph-Ectoloph M1

Localities					N
Sansan ( <i>M. gersii</i> )	3 (27%)	6 (55%)	2 (18%)		11
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	2 (18%)	8 (73%)	1 (9%)		11
Blanquatère 1 ( <i>M. aunayi</i> )	2 (3%)	30 (43%)	34 (49%)	3 (4%)	69
Langenmoosen ( <i>M. bavaricus</i> )	1 (3%)	23 (62%)	13 (35%)		37
Bézian ( <i>M. bezianensis</i> )		41 (65%)	22 (35%)		63
Châteauredon ( <i>M. lalāi</i> )		35 (92%)	3 (8%)		38
Valtorres ( <i>M. primitivus</i> )	1 (2%)	26 (52%)	18 (36%)	5 (10%)	50
Aliveri North Quarry ( <i>M. hellenicus</i> )		7 (54%)	6 (46%)		13
Aliveri South Quarry ( <i>M. hellenicus</i> )		3 (75%)	1 (25%)		4
Strakonice			1 (100%)		1
Františkovy Lázně	1 (3%)	14 (35%)	25 (63%)		40
Mokrá – Turtle Fissure		2 (100%)			2
Dolnice 3	2 (100%)				2

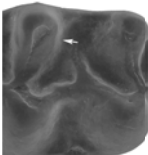
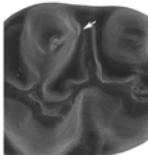
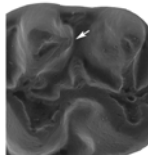
**Table 10.** Metalophule M1

Localities									N
Sansan ( <i>M. gersii</i> )				5 (56%)	4 (44%)				9
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )		1 (11%)		1 (11%)	7 (78%)				9
Blanquatère 1 ( <i>M. aunayi</i> )	1 (2%)		3 (5%)	8 (14%)	47 (80%)				59
Langenmoosen ( <i>M. bavaricus</i> )					22 (76%)	4 (14%)	1 (3%)	2 (7%)	29
Bézian ( <i>M. bezianensis</i> )		1 (2%)	2 (3%)	1 (2%)	59 (94%)				63
Suèvres ( <i>M. bourgeoisii</i> )			2 (25%)		6 (75%)				8
Châteauredon ( <i>M. lalāi</i> )			1 (3%)	2 (6%)	33 (92%)				36
Valtorres ( <i>M. primitivus</i> )				6 (13%)	38 (84%)	1 (2%)			45
Aliveri North Quarry ( <i>M. hellenicus</i> )					12 (100%)				12
Aliveri South Quarry ( <i>M. hellenicus</i> )				2 (50%)	1 (25%)	1 (25%)			4
Strakonice				1 (100%)					1
Františkovy Lázně	1 (3%)	5 (13%)	5 (13%)	7 (18%)	20 (53%)				38
Mokrá – Turtle Fissure					2 (100%)				2
Dolnice 3					2 (100%)				2

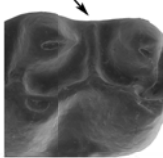
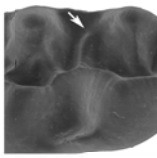
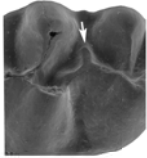
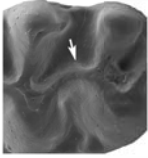
**Table 11.** Protolophule M2

Localities								N
Sansan ( <i>M. gersii</i> )	3 (60%)					2 (40%)		5
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	6 (86%)	1 (14%)						7
Langenmoosen ( <i>M. bavaricus</i> )	11 (48%)	8 (35%)	1 (4%)			3 (13%)		23
Bézian ( <i>M. bezianensis</i> )	48 (73%)	12 (18%)	1 (2%)			5 (8%)		66
Suèvres ( <i>M. bourgeoisi</i> )	2 (67%)	1 (33%)						3
Châteauredon ( <i>M. lalaï</i> )	13 (27%)	21 (44%)				14 (29%)		48
Valtorres ( <i>M. primitivus</i> )	25 (50%)	12 (24%)	6 (12%)	1 (2%)	1 (2%)	5 (10%)		50
Aliveri North Quarry ( <i>M. hellenicus</i> )	3 (50%)	3 (50%)						6
Aliveri South Quarry ( <i>M. hellenicus</i> )	1 (100%)							1
Františkovy Lázně	7 (16%)	6 (14%)	11 (25%)			19 (43%)	1 (2%)	44
Mokrá – Turtle Fissure	1 (100%)							1
Ořechov		1 (100%)						1
Dolnice 3	1 (100%)							1
Dolnice 2	1 (100%)							1
Dolnice 1		2 (100%)						2

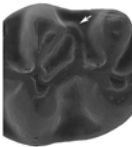
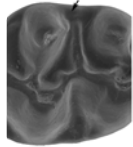
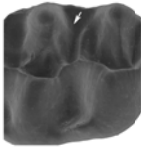
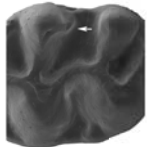
**Table 12.** Ectoloph M2

Localities				N
Sansan ( <i>M. gersii</i> )		5 (63%)	3 (38%)	8
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	2 (29%)	5 (71%)		7
Langenmoosen ( <i>M. bavaricus</i> )	1 (4%)	20 (74%)	6 (22%)	27
Bézian ( <i>M. bezianensis</i> )	5 (14%)	28 (76%)	4 (11%)	37
Châteauredon ( <i>M. lalaï</i> )	2 (4%)	31 (67%)	13 (28%)	46
Valtorres ( <i>M. primitivus</i> )	10 (22%)	19 (42%)	16 (36%)	45
Aliveri North Quarry ( <i>M. hellenicus</i> )		2 (33%)	4 (67%)	6
Aliveri South Quarry ( <i>M. hellenicus</i> )			1 (100%)	1
Františkovy Lázně		18 (40%)	27 (60%)	45
Mokrá – Turtle Fissure		1 (100%)		1
Ořechov			1 (100%)	1
Dolnice 3			1 (100%)	1
Dolnice 2		1 (100%)		1
Dolnice 1		1 (50%)	1 (50%)	2

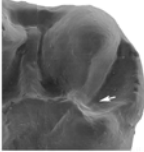
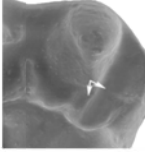
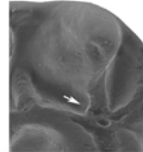
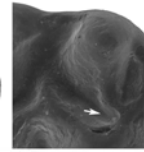
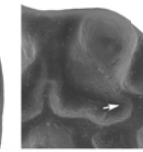
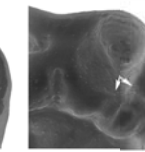
**Table 13.** Mesoloph M2

Localities					N
Sansan ( <i>M. gersii</i> )		1 (13%)	7 (88%)		8
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )		3 (43%)	4 (57%)		7
Langenmoosen ( <i>M. bavaricus</i> )	6 (22%)	18 (67%)	3 (11%)		27
Bézian ( <i>M. bezianensis</i> )		(100%)			
Suèvres ( <i>M. bourgeoisi</i> )		2 (100%)			2
Châteauredon ( <i>M. lalai</i> )	11 (22%)	32 (64%)	7 (14%)		50
Valtorres ( <i>M. primitivus</i> )	8 (16%)	27 (55%)	12 (24%)	2 (4%)	49
Aliveri North Quarry ( <i>M. hellenicus</i> )	1 (17%)	4 (67%)	1 (17%)		6
Aliveri South Quarry ( <i>M. hellenicus</i> )			1 (100%)		1
Františkovy Lázně	11 (24%)	17 (38%)	17 (38%)		45
Mokrá – Turtle Fissure			1 (100%)		1
Ořechov			1 (100%)		1
Dolnice 3			1 (100%)		1
Dolnice 2	1 (100%)				1
Dolnice 1		2 (100%)			2

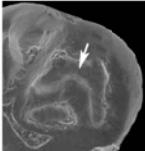
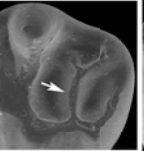
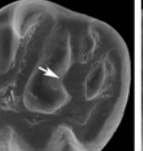
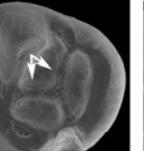
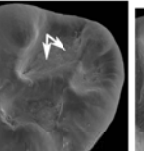
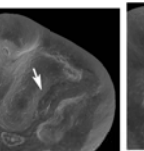
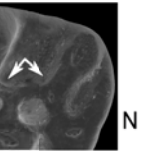
**Table 14.** Connection Mesoloph-Ectoloph M2

Localities					N
Sansan ( <i>M. gersii</i> )	4 (50%)	4 (50%)			8
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )		5 (71%)	2 (29%)		7
Langenmoosen ( <i>M. bavaricus</i> )	11 (41%)	15 (56%)	1 (4%)		27
Bézian ( <i>M. bezianensis</i> )	5 (7%)	65 (93%)			70
Suèvres ( <i>M. bourgeoisi</i> )	1 (33%)	2 (86%)			3
Châteauredon ( <i>M. lalai</i> )	20 (45%)	22 (50%)	2 (5%)		44
Valtorres ( <i>M. primitivus</i> )	7 (15%)	29 (60%)	10 (21%)	2 (4%)	48
Aliveri North Quarry ( <i>M. hellenicus</i> )	3 (50%)	3 (50%)			6
Aliveri South Quarry ( <i>M. hellenicus</i> )		1 (100%)			1
Františkovy Lázně	4 (9%)	15 (33%)	26 (58%)		45
Mokrá – Turtle Fissure		1 (100%)			1
Ořechov		1 (100%)			1
Dolnice 3		1 (100%)			1
Dolnice 2		1 (100%)			1
Dolnice 1		1 (50%)	1 (50%)		2

**Table 15.** Metalophule M2

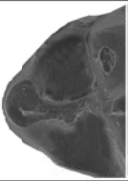
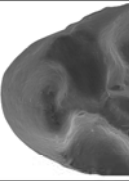
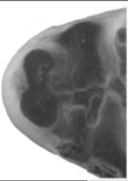
Localities							N
Sansan ( <i>M. gersii</i> )	5 (100%)						5
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	5 (83%)			1 (17%)			6
Langenmoosen ( <i>M. bavaricus</i> )	14 (61%)	1 (4%)		5 (22%)	2 (9%)	1 (4%)	23
Bézian ( <i>M. bezianensis</i> )	51 (73%)		7 (10%)	12 (17%)			70
Suèvres ( <i>M. bourgeoisii</i> )			1 (50%)	1 (50%)			2
Châteauredon ( <i>M. lalaï</i> )	37 (77%)		9 (19%)	2 (4%)			48
Valtorres ( <i>M. primitivus</i> )	25 (56%)		7 (16%)	9 (20%)	3 (7%)	1 (2%)	45
Aliveri North Quarry ( <i>M. hellenicus</i> )	5 (83%)			1 (17%)			6
Aliveri South Quarry ( <i>M. hellenicus</i> )	1 (100%)						1
Františkovy Lázně	38 (88%)		4 (9%)	1 (2%)			43
Mokrā – Turtle Fissure			1 (100%)				1
Ořechov	1 (100%)						1
Dolnice 3	1 (100%)						1
Dolnice 2	1 (100%)						1
Dolnice 1	1 (50%)			1 (50%)			2

**Table 16.** Metalophule M3

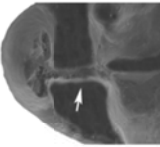
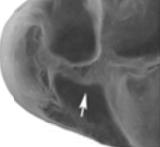

Localities								N
Blanquatière 1 ( <i>M. aunayi</i> )	3 (18%)	2 (13%)	11 (69%)					16
Langenmoosen ( <i>M. bavaricus</i> )	4 (33%)	3 (25%)	2 (17%)	2 (25%)			1 (8%)	12
Châteauredon ( <i>M. lalaï</i> )	1 (6%)	2 (12%)	11 (65%)	2 (12%)	0%	1 (6%)	3 (15%)	20
Valtorres ( <i>M. primitivus</i> )	1 (6%)	3 (17%)	8 (44%)	1 (5%)	3 (17%)	2 (11%)		18
Aliveri South Quarry ( <i>M. hellenicus</i> )		2 (67%)		1 (33%)				3
Františkovy Lázně	1 (13%)	2 (25%)			4 (50%)	1 (13%)		8



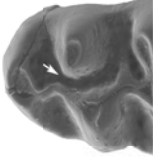
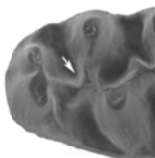
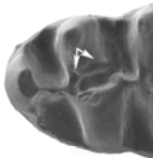
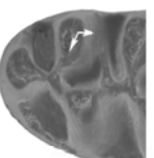
**Table 17.** Anteroconid m1

Localities				N
Sansan ( <i>M. gersii</i> )	4 (21%)	12 (63%)	3 (16%)	19
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	11 (92%)	1 (8%)		12
Blanquatère 1 ( <i>M. aunayi</i> )	39 (34%)	38 (15%)	4 (2%)	131
Langenmoosen ( <i>M. bavaricus</i> )	15 (23%)	11 (17%)	6 (9%)	32
Bézian ( <i>M. bezianensis</i> )	62 (85%)	11 (15%)		73
Suèvres ( <i>M. bourgeoisi</i> )	(100%)			
Châteauredon ( <i>M. lalai</i> )	42 (98%)	1 (2%)		43
Valtorres ( <i>M. primitivus</i> )	43 (100%)			43
Aliveri North Quarry ( <i>M. hellenicus</i> )	5 (100%)			5
Aliveri South Quarry ( <i>M. hellenicus</i> )	2 (100%)			2
Františkovy Lázně	17 (100%)			17
Ořechov	3 (100%)			3
Dolnice 3	1 (100%)			1

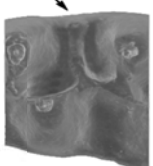
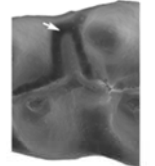
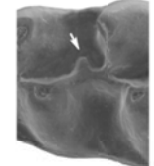
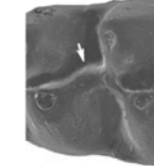
**Table 18.** Labial Spur of the Anterolophulid

Localities				N
Sansan ( <i>M. gersii</i> )	23 (96%)		1 (4%)	24
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	10 (83%)		2 (17%)	12
Blanquatère 1 ( <i>M. aunayi</i> )	112 (84%)	3 (2%)	18 (14%)	133
Langenmoosen ( <i>M. bavaricus</i> )	8 (25%)	1 (3%)	23 (72%)	32
Bézian ( <i>M. bezianensis</i> )	64 (88%)		9 (12%)	73
Châteauredon ( <i>M. lalai</i> )	28 (64%)	6 (14%)	10 (23%)	44
Valtorres ( <i>M. primitivus</i> )	45 (94%)		3 (6%)	48
Aliveri North Quarry ( <i>M. hellenicus</i> )	6 (100%)			6
Aliveri South Quarry ( <i>M. hellenicus</i> )	1 (50%)	1 (50%)		2
Františkovy Lázně	14 (88%)		2 (13%)	16
Ořechov	4 (100%)			4
Dolnice 3	1 (100%)			1

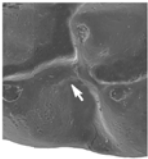
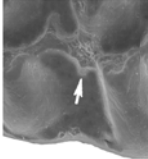
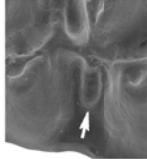
**Table 19.** Metalophulid m1

Localities					N
Sansan ( <i>M. gersii</i> )	1 (5%)	17 (85%)	1 (5%)	1 (5%)	20
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )		10 (83%)	2 (17%)		12
Blanquatière 1 ( <i>M. aunayi</i> )	1 (1%)	101 (91%)	3 (3%)	6 (5%)	111
Langenmoosen ( <i>M. bavaricus</i> )		33 (100%)			33
Bézian ( <i>M. bezianensis</i> )		73 (100%)			73
Suèvres ( <i>M. bourgeoisii</i> )		(100%)			
Châteauredon ( <i>M. lalai</i> )		45 (100%)			45
Valtorres ( <i>M. primitivus</i> )		42 (82%)	7 (14%)	2 (4%)	51
Aliveri North Quarry ( <i>M. hellenicus</i> )		3 (75%)		1 (25%)	4
Aliveri South Quarry ( <i>M. hellenicus</i> )		1 (50%)		1 (50%)	2
Františkovy Lázně		17 (100%)			17
Ořechov		4 (100%)			4
Dolnice 3		1 (100%)			1

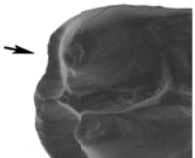
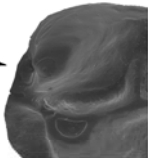
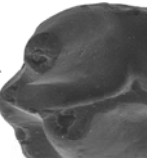
**Table 20.** Mesolophid m1

Localities					N
Sansan ( <i>M. gersii</i> )		2 (10%)	16 (76%)	3 (14%)	21
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )		6 (50%)	6 (50%)		12
Blanquatière 1 ( <i>M. aunayi</i> )		15 (12%)	90 (72%)	20 (16%)	125
Langenmoosen ( <i>M. bavaricus</i> )	2 (6%)	12 (36%)	18 (55%)	1 (3%)	33
Bézian ( <i>M. bezianensis</i> )		52 (72%)	20 (28%)		72
Châteauredon ( <i>M. lalai</i> )		16 (36%)	29 (64%)		45
Valtorres ( <i>M. primitivus</i> )		6 (12%)	41 (82%)	3 (6%)	50
Aliveri North Quarry ( <i>M. hellenicus</i> )		2 (40%)	3 (60%)		5
Aliveri South Quarry ( <i>M. hellenicus</i> )		1 (50%)	1 (50%)		2
Františkovy Lázně			17 (100%)		17
Ořechov			4 (100%)		4
Dolnice 3		1 (100%)			1

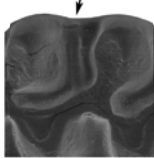
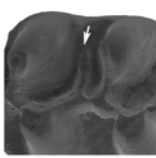
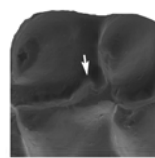
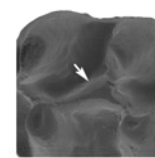
**Table 21.** Ectomesolophid m1

Localities				N
Sansan ( <i>M. gersii</i> )	24 (100%)			24
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )	13 (100%)			13
Blanquatière 1 ( <i>M. aunayi</i> )	157 (100%)			157
Langenmoosen ( <i>M. bavaricus</i> )	34 (97%)	1 (3%)		35
Châteauredon ( <i>M. lalai</i> )	48 (100%)			48
Valtorres ( <i>M. primitivus</i> )	51 (96%)		2 (4%)	53
Aliveri North Quarry ( <i>M. hellenicus</i> )	5 (83%)		1 (17%)	6
Aliveri South Quarry ( <i>M. hellenicus</i> )	2 (100%)			2
Františkovy Lázně	17 (94%)	1 (6%)		18
Ořechov	4 (100%)			4
Dolnice 3	1 (100%)			1

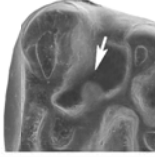
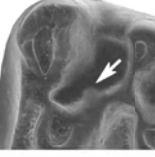
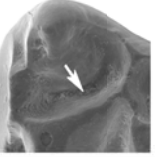
**Table 22.** Lingual Anterolophid m2

Localities				N
Sansan ( <i>M. gersii</i> )	2 (9%)	20 (87%)	1 (4%)	23
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )		10 (91%)	1 (9%)	11
Langenmoosen ( <i>M. bavaricus</i> )	5 (19%)	22 (81%)		27
Châteauredon ( <i>M. lalai</i> )	9 (15%)	47 (80%)	3 (5%)	59
Valtorres ( <i>M. primitivus</i> )	12 (25%)	35 (73%)	1 (2%)	48
Aliveri North Quarry ( <i>M. hellenicus</i> )	5 (50%)	5 (50%)		10
Františkovy Lázně		7 (70%)	3 (30%)	10
Dolnice 3	1 (100%)			1

**Table 23.** Mesolophid m2

Localities					N
Sansan ( <i>M. gersii</i> )		8 (27%)	21 (70%)	1 (3%)	30
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )		1 (8%)	11 (92%)		12
Langenmoosen ( <i>M. bavaricus</i> )		8 (24%)	26 (76%)		34
Bézian ( <i>M. bezianensis</i> )		6 (20%)	23 (77%)	1 (3%)	30
Châteauredon ( <i>M. lalai</i> )		13 (21%)	43 (69%)	6 (10%)	62
Valtorres ( <i>M. primitivus</i> )		6 (12%)	37 (73%)	8 (16%)	51
Aliveri North Quarry ( <i>M. hellenicus</i> )	1 (9%)	4 (36%)	6 (55%)		11
Františkovy Lázně		1 (8%)	12 (92%)		13
Dolnice 3			1 (100%)		1

**Table 24.** Mesolophid m3

Localities				N
Sansan ( <i>M. gersii</i> )			2 (100%)	2
Fuente Sierra 4 ( <i>M. vandermeuleni</i> )			3 (100%)	3
Langenmoosen ( <i>M. bavaricus</i> )	1 (8%)	1 (8%)	10 (83%)	12
Bézian ( <i>M. bezianensis</i> )	3 (5%)		63 (95%)	66
Châteauredon ( <i>M. lalai</i> )	3 (8%)	3 (8%)	30 (83%)	36
Valtorres ( <i>M. primitivus</i> )	4 (20%)	1 (5%)	15 (75%)	20
Aliveri North Quarry ( <i>M. hellenicus</i> )			1 (100%)	1
Aliveri South Quarry ( <i>M. hellenicus</i> )	3 (100%)			3
Františkovy Lázně			7 (100%)	7



## References

- Oliver A, Peláez-Campomanes P. 2013. *Megacricetodon vandermeuleni*, sp. nov. (Rodentia, Mammalia), from the Spanish Miocene: a new evolutionary framework for *Megacricetodon*. J Vertebr Paleontol. 33(4):943–955.
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