

BAJOCIAN LISSOCERATINAE (HAPLOCERATOIDEA, AMMONITIDA) FROM THE MEDITERRANEAN-CAUCASIAN SUBREALM

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Supplementary information

This table lists all the specimens of Lissoceratinae studied in the present work.

Specimens are marked with individual code that consists of an acronym and the sequential registration number of each institution. The taphonomical features of each specimen distinguish resedimented (RS) and reelaborated (RL) fossils. Types are specified by the nomenclatural status as holotype (HT), allotype (AT), paratype (PT), lectotype (LT), paralectotype (PTL).

“Notes” specify the figured specimens as “Fig.” and “Pl/Fig”. Measurements are given in mm and include: shell diameter (D) at which the measurement was made on the body chamber (ch) or phragmocone (ph); whorl height (H); whorl width (W); umbilical diameter (U); whorl height/diameter ratio ($h = H/D \times 100$); whorl width/diameter ratio ($w = W/D \times 100$); umbilicus/diameter ratio ($u = U/D \times 100$); whorl width/whorl height ratio ($W/H \times 100$).

BG	Source	Biochronostratigraphy	Specimen Code	Taph.	Types	Notes	D	H	W	U	h	w	u	W/H
	[M]	<i>Lissoceras psilodiscus</i> (Schloenbach, 1865)												
SM	Sengenthal, bed 10	lower Zigzag Z.	MG-0025	RL		(ph) 36.2	17.2	9.2	8.7	47.5	25.4	24.0	53.5	
SM	Sengenthal, bed 11	Zigzag Z.	MG-0017	RL		(ph) 21.5	10.8	5.6	4.8	50.2	26.0	22.3	51.9	
SM	Sengenthal, bed 11	Zigzag Z.	MG-0029	RL		(ph) 26.7	13.0	6.8	6.5	48.7	25.5	24.3	52.3	
SM	Bas Auran, bed 69	lower Zigzag Z.	PU 31396	RS		(ph) 57.8	27.8	14.2	12.4	48.1	24.6	21.5	51.1	
SM						(ph) 38.6	20.1	9.8	9.2	52.1	25.4	23.8	48.8	
SM	Bas Auran, bed 45	lower Zigzag Z.	PU 31399	RS		(ch) 34.1	16.8	9.2	7.8	49.3	27.0	22.9	54.8	
SM	Bas Auran, bed 59	lower Zigzag Z.	PU 111433	RS		(ph) 31.6	15.5	8.6	7.5	49.1	27.2	23.7	55.5	
SM	Bas Auran, bed 39	lower Zigzag Z.	PU 111434	RS		(ph) 24.7	12.4	6.7	5.8	50.2	27.1	23.5	54.0	
SM						(ph) 16.4	8.1	4.3	3.9	49.4	26.2	23.8	53.1	
SM	Bas Auran, bed 39	lower Zigzag Z.	PU 111445	RS	Pl.1/16	(ch) 74.6	35.7	19.8	16.8	47.9	26.5	22.5	55.5	
SM						(ph) 53.3	26.2	13.6	12.1	49.2	25.5	22.7	51.9	
SM	Chaudon, bed 1	lower Zigzag Z.	PU 111954	RS		(ph) 41.4	20.3	10.8	9.4	49.0	26.1	22.7	53.2	
SM						(ph) 29.4	14.2	7.7	6.5	48.3	26.2	22.1	54.2	
SM	la Palud, bed 41	top Parkinsoni Z.	PU 111946	RS		(ch) 61.6	30.0	15.9	14.6	48.7	25.8	23.7	53.0	
SM	la Palud, bed 40	lower Zigzag Z.	PU 111941	RS		(ch) 52.3	25.0	12.6	12.0	47.8	24.1	22.9	50.4	
SM	la Palud, bed 40	lower Zigzag Z.	PU 111947	RS		(ph) 34.1	16.8	9.3	7.2	49.3	27.3	21.1	55.4	
SM	la Palud, bed 40	lower Zigzag Z.	PU 111950	RS		(ph) 43.7	21.5	11.5	9.9	49.2	26.3	22.7	53.5	
SM	la Palud, bed 37	lower Zigzag Z.	PU 111944	RS	Pl.1/12	(ph) 42.9	20.7	10.6	10.0	48.3	24.7	23.3	51.2	
SM						(ph) 28.9	14.2	7.7	6.3	49.1	26.6	21.8	54.2	
SM	la Palud, bed 37	lower Zigzag Z.	PU 111951	RS		(ph) 45.8	22.6	11.9	10.2	49.3	26.0	22.3	52.7	
SM	la Palud, bed 36	lower Zigzag Z.	PU 111943	RS		(ph) 50.0	23.4	12.5	11.3	46.8	25.0	22.6	53.4	
	[M]	<i>Lissoceras inflatum</i> Wetzel, 1950												
NW	Bayeux, bed "5"	upper Bajocian	FSL-141582	ind.		(ph) 23.3	11.3	7.4	5.8	48.5	31.8	24.9	65.5	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	FSL-141587	ind.		(ph) 27.7	12.8	7.5	7.4	46.2	27.1	26.7	58.6	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	EM-590	ind.		(ch) 34.5	15.5	8.7	8.4	44.9	25.2	24.3	56.1	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	EM-591	ind.		(ch) 23.3	11.3	6.7	6.1	48.5	28.8	26.2	59.3	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	EM-592	ind.		(ch) 21.8	10.8	6.5	5.4	49.5	29.8	24.8	60.2	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	EM-593	ind.		(ph) 19.5	9.2	5.6	5.1	47.2	28.7	26.2	60.9	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	EM-594	RS		(ch) 21.2	9.7	6.4	5.6	45.8	30.2	26.4	66.0	
NW						(ch) 14.7	6.8	4.1	3.8	46.3	27.9	25.8	60.3	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	EM-595	RS		(ch) 19.8	9.6	5.6	4.8	48.5	28.3	24.2	58.3	
NW						(ch) 13.6	6.5	3.9	3.0	47.8	28.7	22.1	60.0	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	EM-596	ind.		(ph) 16.3	8.1	4.9	4.1	49.7	30.1	25.2	60.5	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	LM-019	ind.		(ch) 32.5	15.3	9.7	7.7	47.1	29.8	23.7	63.4	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	LM-020	ind.		(ch) 43.6	20.2	11.5	10.5	46.3	26.4	24.1	56.9	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	LM-021	ind.		(ch) 33.6	16.0	9.6	8.1	47.6	28.6	24.1	60.0	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	LM-022	ind.		(ch) 22.1	10.3	6.7	5.7	46.6	30.3	25.8	65.0	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	LM-023	ind.		(ch) 42.9	21.2	12.6	9.6	49.4	29.4	22.4	59.4	
NW	Bayeux, bed "6"	upper Parkinsoni Z.	LM-026	ind.		(ch) 35.7	17.0	11.2	8.5	47.6	31.4	23.8	65.9	
NW	Bretteville, bed 9	Niort.-Garantiana z.	MRSN-Br 995	RL		(ph) 19.3	9.4	5.1	5.0	48.7	26.4	25.9	54.3	
NW	Bretteville, bed 9	Niort.-Garantiana z.	PU 112813	RL	Pl.1/17, Fig.5	(ph) 39.2	18.3	12.7	10.2	46.7	32.4	26.0	69.4	
NW	Bretteville, bed 16	upper Parkinsoni Z.	PU 112886	RS		(ch) 35.5	16.1	9.3	9.2	45.4	26.2	25.9	57.8	
NW						(ch) 23.2	11.2	6.6	5.9	48.3	28.4	25.4	62.4	
NW	Bretteville, bed 16	upper Parkinsoni Z.	PU 112701	ind.	Pl.1/3	(ph) 42.4	20.4	11.8	9.9	48.1	27.8	23.3	57.8	
NW						(ph) 27.4	13.6	8.0	6.4	49.6	29.2	23.4	58.8	
NW	Bretteville, bed 16	upper Parkinsoni Z.	MRSN-Br 820	RL		(ch) 30.9	14.3	9.4	8.2	46.3	30.4	26.5	65.7	
NW						(ch) 16.1	8.1	4.7	4.1	50.3	29.2	25.5	58.0	
NW	Burton Bradstock	Parkinsoni Z.	SMNS 70396/9	RS	Pl.1/13	(ch) 43.8	19.9	12.8	11.6	45.4	29.2	26.5	64.3	
NW						(ch) 30.4	14.7	9.2	7.4	48.4	30.3	24.3	62.6	
NW	Evrecy, bed "9/10"	Garantiana Z.	PU 112859	RL	Pl.1/11	(ch) 56.3	27.3	16.3	12.6	48.5	29.0	22.4	59.7	
NW						(ph) 35.7	18.1	10.7	7.9	50.7	30.0	22.1	59.1	
NW	Maizet, bed 9	middle Garantiana Z.	PU 112856	RL		(ph) 24.6	11.7	6.7	6.2	47.6	27.2	25.2	57.2	
NW	Maizet, bed 10	upper Garantiana Z.	PU 112857	RS		(ph) 14.2	7.4	4.6	3.9	52.1	32.4	27.5	62.2	
NW	Maizet, bed 12	middle Parkinsoni Z.	PU 112741	RL		(ph) 16.8	7.8	5.1	4.2	46.4	30.4	25.0	65.4	
NW						(ph) 11.3	5.2	3.4	2.6	46.0	30.1	23.0	65.4	
NW	Maizet, bed 12	middle Parkinsoni Z.	PU 112812	RS		(ph) 17.7	9.0	5.3	4.1	50.8	29.9	23.2	58.9	
NW						(ph) 12.3	6.1	4.0	3.1	49.6	32.5	25.2	65.6	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112709	RS		(ch) 22.2	10.9	6.2	5.6	49.1	27.9	25.2	56.9	
NW						(ch) 15.4	7.5	4.7	3.9	48.7	30.5	25.3	62.7	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112710	RS		(ph) 18.1	8.7	5.0	4.6	48.1	27.6	25.4	57.5	
NW						(ph) 12.8	5.8	3.8	3.1	45.3	29.7	24.2	65.5	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112714	RS		(ch) 17.1	7.7	4.8	4.6	45.0	28.1	26.9	62.3	
NW						(ch) 13.4	6.0	3.6	3.3	44.8	26.9	24.6	60.0	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112721	RS		(ch) 25.6	12.4	7.8	6.1	48.4	30.5	23.8	62.9	
NW						(ph) 16.8	8.0	5.5	4.2	47.6	32.7	25.0	68.8	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112726	RS		(ph) 8.5	3.9	2.4	2.2	45.9	28.2	25.9	61.5	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 113000	RS		(ch) 19.9	9.3	5.2	4.7	46.7	26.1	23.6	55.9	
NW						(ph) 12.9	6.2	3.4	3.1	48.1	26.3	24.0	54.8	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	LM-001	RS		(ph) 16.3	7.7	4.8	4.1	47.2	29.4	25.2	62.3	
NW	Sully, bed 5a	Niort.-Garantiana z.	UPCM-1242	RL		(ch) 17.1	8.5	5.0	4.6	49.7	29.2	26.9	58.8	
NW	Sully, bed 5	upper Bajocian	UPCM-1241	ind.		(ph) 19.0	9.2	5.9	5.0	48.4	31.1	26.3	64.1	
NW	Sully, bed 5	upper Bajocian	PU 112707	RS		(ch) 18.0	8.7	5.2	4.4	48.3	28.9	24.4	59.8	
NW	Sully, bed 5	upper Bajocian	PU 112708	RS		(ch) 25.2	11.9	7.2	6.5	47.2	28.6	25.8	60.5	
NW	Sully, bed 5	upper Bajocian	PU 112713	RS		(ch) 21.5	9.6	5.8	5.9	44.7	27.0	27.4	60.4	
NW	Sully, bed 5	upper Bajocian	PU 112715	RS		(ch) 19.8	9.0	6.0	5.0	45.5	30.3	25.3	66.7	
NW	Sully, bed 5	upper Bajocian	PU 112716	RL		(ph) 28.7	13.3	8.7	7.7	46.3	30.3	26.8	65.4	
NW						(ph) 19.0	9.1	5.9	5.0	47.9	31.0	26.3	64.8	
NW	Sully, bed 5	upper Bajocian	PU 112718	RS	Pl.1/10	(ch) 33.0	15.2	9.7	8.8	46.1	29.4	26.7	63.8	
NW						(ph) 23.9	10.9	7.1	6.0	45.6	29.7	25.1	65.1	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1240	ind.		(ch) 18.6	9.0	5.4	5.0	48.4	29.0	26.9	60.0	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1243	ind.		(ch) 16.1	7.4	4.6	4.4	46.0	28.6	27.3	62.2	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1244	ind.		(ch) 23.8	11.1	6.7	5.7	46.6	28.2	23.9	60.4	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1245	ind.		(ch) 20.0	9.6	5.7	5.2	48.0	28.5	26.0	59.4	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1246	ind.		(ch) 27.1	12.7	8.2	6.7	46.9	30.3	24.7	64.6	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1247	ind.		(ch) 19.3	9.0	5.4	5.2	46.6	28.0	26.9	60.0	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1248	RS		(ch) 26.4	12.7	7.0	6.3	48.1	26.5	23.9	55.1	

NW						(ch)	16.8	8.3	4.7	4.1	49.4	28.0	24.4	56.6	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1249	ind.		(ch)	20.3	9.3	5.4	5.1	45.8	26.6	25.1	58.1	
NW	Sully, bed 6	upper Parkinsoni Z.	UPCM-1253	ind.		(ph)	20.2	9.6	5.6	5.0	47.5	27.7	24.8	58.3	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1254	ind.		(ch)	18.6	8.5	5.0	4.5	45.7	26.9	24.2	58.8	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1255	ind.		(ch)	31.6	14.3	8.5	8.5	45.3	26.9	26.9	59.4	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1256	ind.		(ch)	24.1	11.4	6.5	5.8	47.3	27.0	24.1	57.0	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1257	ind.		(ch)	25.0	12.3	7.2	6.1	49.2	28.8	24.4	58.5	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1258	ind.		(ch)	24.3	11.3	6.6	6.0	46.5	27.2	24.7	58.4	
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1259	ind.		(ch)	26.2	12.3	7.0	6.5	46.9	27.7	24.8	56.9	
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112702	RS		(ch)	32.9	15.6	9.0	7.9	47.4	27.4	24.0	57.7	
NW						(ph)	21.3	10.5	6.0	5.3	49.3	28.2	24.9	57.1	
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112703	RL		(ch)	28.0	13.0	7.4	7.3	46.4	26.4	26.1	56.9	
NW						(ch)	20.4	9.3	5.8	5.3	54.1	28.4	25.9	62.4	
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112704	RL	PL.1/2, Fig.5	(ch)	36.0	17.2	9.3	9.2	47.8	25.8	25.6	54.1	
NW						(ch)	23.5	11.4	6.1	5.5	48.5	20.0	23.4	53.5	
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112705	RS		(ch)	21.3	10.1	5.6	5.3	47.4	26.3	24.9	55.4	
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112706	RL	PL.1/1	(ch)	24.0	11.6	6.7	6.1	48.3	27.9	25.4	57.8	
NW						(ph)	20.6	9.4	5.8	5.1	45.6	28.2	24.7	61.7	
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112711	RS		(ch)	22.2	10.9	6.3	5.3	49.1	28.4	23.9	76.1	
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112712	RL		(ch)	27.0	12.6	7.7	6.6	46.7	28.5	24.4	61.1	
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112717	RL		(ch)	20.5	9.4	6.3	5.4	45.9	30.7	26.3	67.0	
NW						(ph)	15.0	7.1	4.9	3.6	47.3	32.7	24.0	69.0	
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112720	RL		(ch)	28.0	13.3	8.4	6.4	47.5	30.0	22.9	63.2	
NW						(ph)	18.8	9.1	5.4	4.7	49.2	28.7	25.0	59.3	
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112727	RS		(ch)	9.3	4.2	2.7	2.5	45.2	29.0	26.9	64.3	
NW	Sully, bed 6	upper Parkinsoni Z.	MRSN-S 193	RL		(ph)	16.7	8.0	5.2	4.4	47.9	31.1	26.3	65.0	
NW	Sully, bed 6	upper Parkinsoni Z.	MRSN-S 207	RS		(ch)	14.3	6.9	4.4	3.8	48.3	30.8	26.6	63.8	
NW						(ph)	9.1	4.9	3.1	2.5	53.8	34.1	27.5	63.3	
NW	Bielefeld	topmost Bajocian	Kiel Museum	? LT		(?)	34.3	16.1	9.3	7.8	46.9	27.1	22.7	57.8	
SM	Ricla, level 132	Garantiana Z.	RC 132/32	RS	PL.1/15	(ch)	24.6	11.3	6.5	6.3	45.9	26.4	25.6	57.5	
SM						(ph)	18.7	9.0	5.6	5.0	48.1	29.9	26.7	62.2	
SM	Cella, bed 2	Garantiana Z.	1CE2/21	RS		(ph)	27.0	12.5	6.6	6.2	46.3	24.4	22.9	53.0	
SM	Sengenthal, bed 9/10	topmost Bajocian	PU 112885	RL	PL.1/9	(ph)	40.4	19.4	11.2	9.2	48.0	27.7	22.8	57.7	
SM						(ph)	28.0	13.8	8.7	6.6	49.3	31.1	23.6	63.0	
SM	Moessingen	Parkinsoni Z.	SMNS 28310	?		(ph)	26.0	12.2	6.6	6.5	46.9	25.3	25.0	54.1	
M	Gelpach 4	Garantiana Z.	UP 117607	RL	PL.1/8	(ph)	15.8	7.7	4.9	4.0	48.7	31.0	25.3	63.6	
M	Monte Longara	upper Niortense Z.	PD 11834/A	RS		(ph)	37.9	18.6	10.6	8.6	49.1	28.0	22.7	57.0	
M	Monte Longara	upper Niortense Z.	PD 11834/B	RS		(ph)	26.3	12.8	7.2	6.2	48.7	27.4	23.6	56.3	
M	Monte Meletta	upper Niortense Z.	PU 36065	RS		(ph)	37.6	18.8	10.9	8.9	50.0	29.0	23.7	58.0	
M	Gyenespuszta	upper Bajocian	J 9280	?		(?)	76.0	34.0	20.0	18.0	44.7	26.3	23.7	58.8	
M	Gyenespuszta	upper Bajocian	J 9279	?		(?)	74.0	32.0	18.0	17.0	43.2	24.3	23.0	56.3	
[m]															
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112722	RS	PL.1/6	(ch)	12.7	5.6	3.1	3.6	44.1	24.4	28.3	55.4	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112723	RS	PL.1/5	(ch)	12.7	5.4	2.9	3.5	42.5	22.8	27.6	53.7	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112724	RS	PL.1/7	(ch)	15.0	6.7	3.8	4.5	44.7	25.3	30.0	56.7	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112725	RS	PL.1/4	(ch)	16.6	7.5	4.5	4.9	45.2	27.1	29.5	60.0	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	LM-0002	RS		(ch)	14.8	6.7	3.5	4.1	45.3	23.6	27.8	52.2	
[M]		<i>Lissoceras submediterraneum</i> n.sp.													
SM	Egray, bed 32	Niortense Z.	PU 112855	RL	PT	PL.2/1	(ph)	36.3	17.4	8.2	9.5	47.9	22.6	26.2	47.1
SM	Egray, bed 32	Niortense Z.	PU 112858	RL	PT	PL.2/3, Fig.6	(ph)	44.1	21.3	10.5	10.8	48.3	23.8	24.5	49.3
SM							(ph)	30.6	14.4	7.4	7.7	47.2	24.3	25.2	51.4
SM	Egray, bed 32	Niortense Z.	PU 112865	RL		(ph)	26.9	12.6	6.8	7.2	46.8	25.3	26.8	54.0	
SM	Egray, bed 32	Niortense Z.	PU 112866	RL		(ph)	26.1	13.0	6.2	6.5	49.8	23.8	24.9	47.7	
SM	Thorigné	Niortense Z.	PB-189	RL	PT	PL.1/14	(ph)	49.0	21.9	10.9	12.5	44.7	22.2	25.5	49.8
SM	Embalse San Blas	Garantiana Z.	8EB 167/9	RS	HT	PL.2/2	(ch)	45.4	20.4	10.4	12.7	44.9	22.9	28.0	51.0
SM						(ph)	36.9	16.7	8.1	10.3	45.3	22.0	27.9	48.5	
SM						(ph)	34.7	15.4	7.6	9.4	44.8	21.9	27.1	49.4	
[m]															
SM	Embalse San Blas	Garantiana Z.	EB 28/7	RS	AT	PL.2/5	(ch)	6.8	2.9	1.8	2.2	42.6	26.5	32.4	62.1
[M]		<i>Lissoceras oolithicum</i> (d'Orbigny, 1845)													
NW	Baron, bed "7-8"	Humphriesianum Z.	PU 112814	RL	PL.2/6	(ph)	29.5	13.9	9.7	7.1	47.1	32.9	24.1	69.8	
NW	Bayeux, bed "5a"	Niort.-Garantiana z.	FSL-141584	RL		(ph)	24.4	12.0	8.3	5.8	49.2	34.0	23.8	69.2	
NW	Bretteville, bed 7	Humphriesianum Z.	MRSN-Br 395	RL		(ch)	41.1	21.0	14.4	8.9	51.1	35.0	21.7	68.6	
NW	Bretteville, bed 7	Humphriesianum Z.	MRSN-Br 772	RL		(ph)	32.5	17.0	11.5	7.0	52.3	35.4	21.6	67.6	
NW						(ph)	23.7	11.4	8.0	4.9	48.1	33.8	20.7	70.2	
NW	Calvados	? Humphriesianum Z.	Paris Museum	? lost		(?)	64.0	32.0	21.3	12.8	50.0	33.3	20.0	66.6	
NW	Croisilles, bed 12	upper Garantiana Z.	PU 112798	RL	PL.2/9	(ph)	42.6	20.5	15.3	10.1	48.1	35.9	23.7	74.6	
NW	Evrecy, bed "5"	upper Humphriesi. Z.	PU 112807	RL	PL.2/12, Fig.11	(ph)	60.2	30.1	19.7	12.8	50.0	32.7	21.3	65.4	
NW						(ph)	40.8	20.5	13.7	8.9	50.2	33.6	21.8	66.8	
NW	Evrecy, bed "5"	upper Humphriesi. Z.	AB-001	RL		(ph)	41.5	20.9	13.7	9.5	50.4	33.0	22.9	65.6	
NW	Evrecy, bed "5"	upper Humphriesi. Z.	LM-054	RL		(ph)	75.6	37.0	23.3	16.4	48.9	30.8	21.7	63.0	
NW						(ph)	53.2	26.8	17.4	11.4	50.4	32.7	21.4	64.9	
NW	Evrecy, bed "5"	upper Humphriesi. Z.	PU 112868	RL	NT	Figs 7, 11	(ch)	64.8	32.6	19.6	13.5	50.3	30.2	20.8	60.1
NW						(ph)	48.2	24.8	15.8	10.1	51.5	32.8	21.0	63.7	
NW	Evrecy, bed "5"	upper Humphriesi. Z.	FN-001	RL		(ph)	63.5	30.8	19.0	13.0	48.5	29.9	20.5	61.7	
NW						(ph)	42.1	21.5	14.0	8.5	51.1	33.3	20.2	65.1	
NW	Evrecy, bed "5"	upper Humphriesi. Z.	MRSN-E 165	RL		(ch)	57.1	28.5	18.6	11.9	49.9	32.6	20.8	65.3	
NW	Evrecy, bed "5"	upper Humphriesi. Z.	MRSN-E 166	RL		(ph)	49.3	24.7	16.2	10.3	50.1	32.9	20.9	65.6	
NW						(ph)	32.8	16.3	11.4	7.2	49.7	34.8	21.9	70.0	
NW	Evrecy, bed "5"	upper Humphriesi. Z.	MRSN-E 168	RL		(ph)	40.4	21.3	13.8	7.4	52.7	34.2	18.3	64.8	
NW	Frogden Quarry	Romani Subz.	SMNS 70396/4	RS		(ph)	33.0	15.6	11.0	7.6	47.3	33.0	23.0	70.5	
NW	Frogden Quarry	Romani Subz.	SMNS 70396/5	RS		(ph)	57.6	28.7	18.9	13.0	49.8	32.8	22.6	65.9	
NW	Frogden Quarry	Romani Subz.	SMNS 70396/6	RS		(ph)	43.6	22.1	14.6	8.1	50.7	33.5	18.6	66.1	
NW	Frogden Quarry	Romani Subz.	SMNS 70396/7	ind.	PL.2/7	(ph)	40.6	19.8	14.4	9.0	48.8	35.5	22.2	72.7	
NW	Loose Hill	Humphriesianum Z.	SMNS 70396/8	RL		(ph)	46.5	23.2	15.8	9.9	49.9	34.0	21.3	68.1	
NW	Maizet, bed 4	Romani Subz.	PU 112863	RS	PL.2/4	(ph)	38.6	17.5	12.9	9.2	45.3	33.4	23.8	73.7	
NW	Maizet, bed 4	Romani Subz.	PU 112964	RL		(ch)	46.9	23.0	14.8	9.3	49.0	31.6	19.8	64.3	
NW	Maizet, bed 5	upper Humphriesi. Z.	PU 112808	RL		(ph)	48.1	24.6	16.3	10.6	51.1	33.9	22.0	66.3	

NW	Maizet, bed 5	upper Humphriesi. Z.	PU 112809	RL		Figs 1, 8	(ph) 56.1	27.9	18.4	11.6	49.7	32.8	20.7	65.9
NW							(ph) 38.9	19.8	13.4	8.1	50.9	34.4	20.8	67.7
NW	Maizet, bed 5	upper Humphriesi. Z.	PU 112837	RL			(ph) 47.6	24.3	15.8	10.0	51.1	32.2	21.0	65.0
NW	Maizet, bed 5	upper Humphriesi. Z.	LM-003	RL			(ch) 41.0	20.8	13.6	8.6	50.7	33.2	21.0	65.4
NW							(ph) 30.3	14.4	10.8	6.3	47.5	35.6	20.8	75.0
NW	Maizet, bed 10	upper Garantiana Z.	PU 112731	RL			(ph) 19.1	9.6	6.7	4.2	50.3	35.1	22.0	69.8
NW	Maizet, bed 10	upper Garantiana Z.	PU 112742	RL			(ph) 24.8	12.6	9.1	5.4	50.8	36.7	21.8	72.2
NW	Maizet, bed 10	upper Garantiana Z.	PU 112962	RL			(ch) 24.6	11.9	8.4	5.5	48.4	34.1	22.4	70.6
NW							(ph) 17.6	8.5	6.7	3.7	48.3	38.1	21.0	78.8
NW	? Sully, bed 3	Humphriesianum Z.	IPM-B 46087	RL			(ph) 60.2	30.1	19.1	12.6	50.0	31.7	21.0	63.5
NW							(ph) 46.9	23.2	15.9	9.2	49.5	33.9	19.6	68.5
NW	Sully, bed 3	Humphriesianum Z.	PU 112739	RL			(ph) 20.3	10.3	6.9	4.4	50.7	34.0	21.7	67.0
NW							(ph) 12.9	6.5	4.9	2.8	50.4	38.0	21.7	75.3
NW	Sully, bed 5a	Niort.-Garantiana z.	UPMC-1260	RL			(ph) 24.5	12.3	9.3	5.8	50.2	38.0	23.7	75.6
SM	Echiré	Niortense Z.	PB-186	RL			(ph) 33.0	15.7	10.2	7.7	47.6	30.9	23.3	65.0
SM	Moscardon	Humphriesianum Z.	M60U130/12	RS			(?) 32.0	15.1	10.0	5.0	47.2	31.3	15.6	67.0
SM	Chaudon, bed 417	Romani Subz.	PU 113021	RS			1 specimen							
SM	Chaudon, bed 354	Umbilicum Subz.	PU 113022	RS			1 specimen							
SM	Chaudon, bed 317	Blagdeni Subz.	PU 113023	RS			1 specimen							
M	Gelpach 4	Garantiana Z.	UP 117609	RS			(ph) 12.1	6.2	4.5	3.1	51.2	37.2	25.6	72.6
M	Longara di Sotto	Polygyralis Subz.	PU 36060	RS			2 specimens							
[M]		<i>Lissoceras maizetense</i> n. sp.												
NW	Evrecy, bed "5"	upper Humphriesi. Z.	PU112966	RL	PT	Pl.2/10, Fig.12	(ch) 45.7	21.8	14.6	10.4	47.7	31.9	22.8	67.0
NW							(ph) 31.3	15.4	9.6	7.3	49.2	30.7	23.3	62.3
NW	Maizet, bed 5	upper Humphriesi. Z.	PU 112804	RS	HT	Pl.2/8, Fig.11	(ch) 50.4	24.8	15.5	10.9	49.2	30.8	21.6	62.5
NW							(ph) 35.1	18.2	11.7	7.6	51.8	33.3	21.6	64.3
NW	Maizet, bed 5	upper Humphriesi. Z.	PU 112836	RL			(ph) 39.6	20.2	13.1	8.2	51.0	33.1	20.7	64.9
NW	Maizet, bed 6	Humphriesi.-Niort. z.	PU 112862	RL	PT	Pl.2/13	(ch) 60.3	28.2	20.3	14.7	46.8	33.7	24.4	72.0
NW							(ph) 41.7	20.6	14.5	9.1	49.4	34.8	21.8	70.4
NW	Sully, bed 3	Humphriesianum Z.	PU 112740	RL		Pl.2/11	(ph) 23.7	11.6	7.9	5.7	48.9	33.3	24.1	68.1
NW							(ph) 17.1	8.6	6.3	4.2	50.3	36.8	24.6	73.3
[M]		<i>Lissoceras ovale</i> n. sp.												
NW	Croisilles, bed 13	lower Parkinsoni Z.	PU 112867	RL	PT	Pl.3/9	(ch) 22.8	11.1	7.5	5.2	48.7	32.9	22.8	67.6
NW							(ph) 15.0	7.2	5.1	3.2	48.0	34.0	21.3	70.8
NW	Evrecy, bed "6"	lower Niortense Z.	PU 112864	RL		Pl.3/8	(ch) 46.6	24.2	16.1	9.0	51.9	34.5	19.3	66.5
NW							(ch) 30.4	16.2	10.9	6.1	53.3	35.9	20.1	67.3
SM	Malvault	Niortense Z.	PB-185	RL	PT	Pl.3/11, Fig.13	(ch) 60.0	27.5	19.2	15.0	45.8	32.0	25.0	69.8
SM							(ch) 40.6	19.1	12.4	10.1	47.0	30.5	24.8	64.9
SM	Cella, bed 2	Garantiana Z.	1CE2/1	RS	HT	Pl.3/1, Fig.11	(ch) 50.3	24.5	16.6	10.5	48.7	33.0	20.9	67.8
SM							(ph) 34.0	16.1	10.0	6.4	47.4	29.4	18.8	62.1
SM	Eningen	Niortense Z.	SMNS 27758	RL			(?) 30.0	17.7	10.3	6.7	53.0	30.8	20.0	58.1
M	Gyenespuszta	upper Bajocian	J 9277	?			(?) 66.0	31.0	?20.0	16.0	47.0	30.5	24.2	64.8
[M]		<i>Lissoceras sturani</i> n. sp.												
NW	Maizet, bed 9	middle Garantiana Z.	PU 112846	RS			(ch) 12.6	5.6	4.2	3.6	44.4	33.3	28.6	75.0
NW	Maizet, bed 9	middle Garantiana Z.	PU 112849	RL	PT	Pl.3/7	(ch) 9.5	4.3	3.2	3.1	45.3	33.7	32.6	74.4
NW	Ste-Honorine, bed 5	upper Bajocian	PU 112719	RL			(ch) 14.9	6.7	5.0	4.4	45.0	33.6	29.5	74.6
NW							(ph) 10.3	4.6	3.5	2.9	44.7	34.0	28.1	76.1
NW	Ste-Honorine, bed 5	upper Bajocian	PU 112729	RL			(ph) 9.8	4.1	2.9	2.8	41.8	29.6	28.6	70.7
NW	Ste-Honorine, bed 5	upper Bajocian	PU 112732	RS	PT	Pl.3/6	(ch) 17.4	7.5	5.9	5.2	43.1	33.9	29.9	78.7
NW							(ph) 12.0	5.4	4.3	3.3	45.0	35.8	27.5	79.6
NW	Sully, bed 5	upper Bajocian	PU 112730	RL	HT	Pl.3/10, Fig.11	(ph) 34.7	15.7	11.2	10.0	45.2	32.3	28.8	71.3
NW							(ph) 28.4	12.5	9.5	7.9	44.0	33.4	27.8	76.0
M	Troch 1	Romani Subz.	PU 36057	RS	PT	Pl.3/2	(ch) 15.0	6.8	4.8	4.2	45.3	32.0	28.0	70.6
M							(ph) 10.4	4.9	3.5	3.2	47.1	33.6	30.8	71.4
M	Troch 1	Romani Subz.	PU 112980	RS			(ch) 14.6	6.6	4.5	4.4	45.2	30.8	30.1	68.2
M	Troch 1	Romani Subz.	PU 112981	RS			(ch) 11.2	4.8	3.4	3.3	42.9	30.4	29.5	70.8
M	Troch 1	Romani Subz.	PU 112982	RS			(ph) 11.0	4.8	3.2	3.1	43.6	29.1	28.2	66.7
M	Troch 1	Romani Subz.	PU 112983	RS	PT	Pl.3/4	(ch) 17.9	7.8	5.1	5.4	43.6	28.5	30.2	65.4
M							(ph) 12.5	5.6	3.8	3.6	44.8	30.4	28.8	67.9
M	Troch 1	Romani Subz.	PU 112984	RS			(ph) 10.0	4.4	3.2	3.1	44.0	32.0	31.0	72.7
M	Troch 1	Romani Subz.	PU 112995	RS			(ph) 8.4	3.5	2.8	2.6	41.7	33.3	31.0	80.0
M	Troch 1	Romani Subz.	PU 36058	RS			2 specimens							
[m]														
NW	Maizet, bed 9	middle Garantiana	PU 112860	RL			(ch) 7.4	2.7	2.3	2.5	36.5	31.1	33.4	85.2
NW	Sully, bed 5a	Niort.-Garantiana z.	PU 112733	RL	AT	Pl.3/3	(ch) 10.5	4.0	3.2	3.6	38.1	30.5	34.3	80.0
M	Troch 1	Romani Subz.	PU 36069	RS			(ch) 9.9	3.5	2.8	3.7	35.4	28.3	37.4	80.0
M	Troch 1	Romani Subz.	PU 36070	RS	PT	Pl.3/5	(ch) 8.7	3.2	2.6	3.4	36.8	29.9	39.1	81.3
M	Troch 1	Romani Subz.	PU 112988	RS			(ch) 9.0	3.3	3.1	3.5	36.7	34.4	38.9	93.9
M	Troch 1	Romani Subz.	PU 112989	RS			(ch) 10.9	3.9	3.2	4.0	35.8	29.4	36.7	82.1
M	Troch 1	Romani Subz.	PU 112990	RS			(ch) 9.0	3.1	2.7	3.5	34.4	30.0	38.9	87.1
M	Troch 1	Romani Subz.	PU 112991	RS			(ch) 8.7	2.9	2.5	3.4	33.3	28.7	39.1	86.2
M	Troch 1	Romani Subz.	PU 112992	RS			(ch) 7.7	2.7	2.5	3.0	35.1	32.5	39.0	92.6
M	Troch 1	Romani Subz.	PU 112993	RS			(ch) 7.8	2.7	2.4	3.0	34.6	30.8	38.5	88.9
M	Troch 1	Romani Subz.	PU 112994	RS			(ch) 7.3	2.7	2.4	2.8	37.0	32.9	38.4	88.9
M	Troch 1	Romani Subz.	PU 112996	RS			(ch) 7.7	2.7	2.4	2.9	35.1	31.2	37.7	88.9
M	Troch 1	Romani Subz.	PU 112997	RS			(ch) 7.5	2.7	2.3	2.9	36.0	30.7	38.7	85.2
M	Troch 1	Romani Subz.	PU 36072	RS			30 specimens							
[M]		<i>Lissoceras haugi</i> Sturani, 1971												
NW	Bayeux, bed "5"	upper Bajocian	EM-589	RL		Pl.3/15	(ph) 57.6	26.2	25.6	14.8	45.5	44.4	25.7	97.7
NW							(ph) 41.0	20.1	18.1	9.9	49.0	44.1	24.1	90.0
NW	Bayeux, bed "5"	upper Bajocian	EM-607	ind.			(ph) 15.9	7.4	6.7	4.0	46.5	42.1	25.2	90.5
NW	Bayeux, bed "5"	upper Bajocian	FSL-141586	ind.			(ph) 23.2	10.6	9.2	6.4	45.7	39.7	27.6	86.8
NW	Bayeux, bed "5"	upper Bajocian	LM-010	ind.			(ch) 47.6	22.0	20.5	12.0	46.2	43.1	25.2	93.2
NW	Bayeux, bed "5"	upper Bajocian	LM-041	RL			(ch) 44.0	20.4	19.7	11.4	46.4	44.8	25.9	96.6
NW							(ph) 34.2	16.4	13.3	7.7	47.9	38.9	22.5	81.1
NW	Bayeux, bed "5"	upper Bajocian	LM-042	RL			(ph) 29.5	14.1	14.1	6.3	47.8	47.8	21.4	100.0

NW	Bayeux, bed "5"	upper Bajocian	LM-043	ind.			(ph)	20.1	10.4	10.6	4.6	51.7	52.7	22.9	101.9
NW	Bayeux, bed "6"	upper Parkinsoni Z.	LM-011	ind.			(ch)	17.1	7.8	7.6	4.1	45.6	44.4	24.0	97.4
NW	Bayeux, bed "6"	upper Parkinsoni Z.	LM-044	ind.			(ch)	19.9	9.9	10.1	4.5	49.7	50.8	22.6	102.0
NW	Bretteville, bed 9	Niort.-Garantiana z.	MRSN-Br 393	RL			(ch)	21.7	10.8	8.4	5.5	49.8	38.7	25.3	77.8
NW							(ph)	16.6	7.7	6.0	3.8	46.4	37.3	22.9	77.9
NW	Bretteville, bed 12	Garantiana Z.	MRSN-Br 394	RL			(ch)	29.2	14.2	12.9	7.2	48.6	44.2	24.7	90.8
NW	Bretteville, bed 16	upper Parkinsoni Z.	PU 112744	RL			(ph)	14.6	7.3	6.5	3.4	50.0	44.5	23.3	89.0
NW							(ph)	11.7	5.7	4.9	2.9	48.7	41.9	24.8	86.0
NW	Bretteville, bed 16	upper Parkinsoni Z.	PU 112745	RL			(ph)	15.9	7.2	6.1	4.2	45.3	38.4	26.4	84.7
NW	Bretteville, bed 16	upper Parkinsoni Z.	PU 112777	RL			(ch)	17.6	8.6	8.2	4.2	48.9	46.6	23.9	95.3
NW							(ph)	12.6	5.8	6.2	3.0	46.0	49.2	23.8	106.9
NW	Bretteville, bed 16	upper Parkinsoni Z.	PU 112783	RL			(ph)	9.4	4.1	4.1	2.3	43.6	43.6	24.5	100.0
NW	Burton Bradstock	Parkinsoni Z.	SMNS 70396/1	RS			(ch)	49.0	22.0	21.0	12.9	44.9	42.9	26.3	95.5
NW	Evrecy, bed "8"	upper Niortense Z.	MRSN-E 164	RL			(ch)	32.3	14.5	12.4	8.0	44.9	38.4	24.8	85.5
NW	Evrecy, bed "9/10"	Garantiana Z.	LM-006	ind.			(ph)	29.3	14.1	10.8	6.7	48.1	36.9	22.9	76.6
NW	Evrecy, bed "9/10"	Garantiana Z.	LM-007	ind.			(ph)	32.2	15.8	13.5	7.4	49.1	41.9	23.0	85.4
NW	Evrecy, bed "9/10"	Garantiana Z.	LM-015	ind.			(ch)	30.6	15.3	16.6	6.7	50.0	54.2	21.9	108.5
NW	Feuquerolles, bed 2c	Niortense Z.	PU 112768	RL			(ph)	30.1	14.1	12.5	7.2	46.8	41.5	23.9	88.7
NW	Feuquerolles, bed 3a	Garantiana Z.	PU 112822	RL			(ph)	24.9	11.1	11.6	5.5	44.6	46.6	22.1	104.5
NW	Maizet, bed 8	upper Niortense Z.	PU 112819	RL			(ch)	19.1	9.5	8.2	4.5	49.7	42.9	23.6	86.3
NW	Maizet, bed 8	upper Niortense Z.	PU 112820	RL			(ch)	16.9	8.4	6.9	4.1	49.7	40.8	24.3	82.1
NW	Maizet, bed 8	upper Niortense Z.	PU 112821	RL			(ch)	11.0	5.2	4.1	2.9	47.3	37.3	26.4	78.8
NW							(ph)	7.8	3.5	3.1	2.1	44.8	39.7	28.9	88.6
NW	Maizet, bed 9	middle Garantiana Z.	PU 112815	RL			(ph)	21.6	10.4	8.5	5.4	48.1	39.4	25.0	81.7
NW							(ph)	15.6	7.7	6.8	3.9	49.4	47.6	25.0	88.3
NW	Maizet, bed 9	middle Garantiana Z.	PU 112816	RL			(ph)	14.3	7.0	5.4	3.4	49.0	37.8	23.8	77.1
NW	Maizet, bed 9	middle Garantiana Z.	PU 112826	RL			(ph)	11.8	5.5	4.8	2.8	46.6	40.7	23.7	87.3
NW	Maizet, bed 9	middle Garantiana Z.	PU 112827	RL		Pl.4/1	(ch)	41.5	20.0	16.4	9.4	48.2	39.5	22.7	82.0
NW	Maizet, bed 9	middle Garantiana Z.	PU 112828	RL			(ph)	31.0	14.3	11.0	8.0	46.1	35.5	25.8	76.9
NW							(ph)	23.7	10.7	8.3	5.4	45.3	35.0	22.8	77.5
NW	Maizet, bed 9	middle Garantiana Z.	PU 112829	RL		Pl.3/12	(ch)	23.6	11.9	9.5	5.4	50.4	40.3	22.9	79.8
NW	Maizet, bed 9	middle Garantiana Z.	PU 112831	RL			(ph)	18.5	9.1	7.1	4.5	49.2	38.4	24.3	78.0
NW	Maizet, bed 9	middle Garantiana Z.	PU 112832	RL			(ph)	19.6	9.1	8.1	4.9	46.4	41.3	25.0	89.0
NW							(ph)	14.5	6.8	6.4	4.1	46.9	44.1	28.3	94.1
NW	Maizet, bed 9	middle Garantiana Z.	PU 112810	RL			(ch)	20.9	10.4	10.4	4.5	49.8	49.8	21.5	100.0
NW							(ph)	16.5	8.5	8.3	3.6	51.5	50.3	21.8	97.6
NW	Maizet, bed 9	middle Garantiana Z.	PU 112811	RL			(ph)	13.4	6.5	6.7	3.0	48.5	50.0	22.4	103.1
NW							(ph)	9.7	4.9	4.9	2.1	50.5	50.5	21.6	100.0
NW	Maizet, bed 9	middle Garantiana Z.	PU 112838	RL			(ch)	29.9	14.4	14.0	7.0	48.2	46.8	23.4	97.2
NW							(ph)	21.3	11.2	10.9	5.1	52.6	51.2	23.9	97.3
NW	Maizet, bed 9	middle Garantiana Z.	PU 112839	RL			(ch)	26.5	13.1	12.7	6.0	49.4	47.9	22.6	96.9
NW	Maizet, bed 9	middle Garantiana Z.	PU 112840	RL			(ph)	21.0	10.9	11.4	4.9	51.9	54.3	23.3	104.6
NW							(ph)	16.2	8.8	8.7	3.8	54.3	53.7	23.4	99.9
NW	Maizet, bed 9	middle Garantiana Z.	PU 112841	RS			(ch)	18.0	8.6	8.2	4.5	47.8	45.6	25.0	95.3
NW	Maizet, bed 9	middle Garantiana Z.	PU 112842	RL			(ph)	14.4	7.5	7.5	3.2	52.1	52.1	22.2	100.0
NW							(ph)	10.2	5.5	5.5	2.8	53.9	53.9	27.4	100.0
NW	Maizet, bed 9	middle Garantiana Z.	PU 112843	RL			(ph)	12.8	6.6	7.0	2.8	51.6	54.7	21.9	106.1
NW	Maizet, bed 9	middle Garantiana Z.	PU 112963	RL			(ph)	20.0	9.9	9.8	4.5	49.5	49.0	22.5	99.0
NW	Maizet, bed 9	middle Garantiana Z.	PU 112792	RS		Pl.4/2	(ph)	38.1	17.3	13.2	10.0	45.4	34.6	26.2	76.3
NW							(ph)	25.6	12.4	9.1	5.8	35.6	35.5	22.6	73.4
NW	Maizet, bed 9	middle Garantiana Z.	PU 112833	RL		Pl.4/12	(ch)	32.3	14.6	11.5	8.5	45.2	35.6	26.3	78.8
NW							(ch)	22.4	10.5	8.0	5.6	46.9	35.7	25.0	76.2
NW	Maizet, bed 10	upper Garantiana Z.	PU 112834	RL			(ch)	22.3	10.7	8.9	5.2	48.0	39.9	23.3	83.2
NW	Maizet, bed 10	upper Garantiana Z.	PU 112845	RS			(ch)	9.2	4.3	3.8	2.6	46.7	41.3	28.3	88.4
NW	Maizet, bed 12	middle Parkinsoni Z.	PU 112823	RL			(ch)	21.4	9.8	8.1	5.7	45.8	37.9	26.6	82.7
NW							(ph)	14.6	9.3	7.4	5.0	63.7	50.7	34.2	79.6
NW	Maizet, bed 12	middle Parkinsoni Z.	PU 112824	RL			(ch)	21.5	9.7	8.5	5.7	45.1	39.5	26.5	87.6
NW							(ph)	15.1	7.4	6.6	3.8	49.0	43.7	25.2	89.2
NW	Maizet, bed 12	middle Parkinsoni Z.	PU 112825	RL			(ch)	20.7	10.0	8.1	4.7	48.3	39.1	22.7	81.0
NW							(ph)	16.0	7.9	6.3	4.1	49.4	39.4	25.6	79.7
NW	Maizet, bed 12	middle Parkinsoni Z.	PU 112844	RL			(ph)	17.4	8.7	7.9	4.6	50.0	45.4	26.4	90.8
NW							(ph)	13.6	6.0	6.1	3.0	44.1	44.7	22.0	101.7
NW	Maizet, bed 12	middle Parkinsoni Z.	PU 112854	RL			(ph)	18.8	9.1	8.4	4.7	48.4	44.7	25.0	92.3
NW	Ste-Honorine, bed 5a	Niort.-Garantiana z.	PU 112752	RL			(ph)	22.1	10.6	8.8	5.2	48.0	39.8	23.5	83.0
NW	Ste-Honorine, bed 5a	Niort.-Garantiana z.	LM-013	RL			(ch)	39.3	19.2	16.7	9.1	48.9	42.5	23.2	87.0
NW	Ste-Honorine, bed 5	upper Bajocian	PU 112778	RL			(ch)	19.2	9.4	8.7	4.3	49.0	45.3	22.4	92.6
NW							(ph)	13.3	6.5	6.1	2.9	48.9	45.9	21.8	93.8
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112753	RL			(ph)	29.8	13.7	11.2	6.8	46.0	37.6	22.8	81.8
NW							(ph)	22.0	10.7	8.2	5.2	48.6	37.3	23.6	76.6
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112754	RL			(ch)	12.4	5.8	5.1	3.0	46.8	41.1	24.2	87.9
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112756	RS			(ph)	19.5	9.3	7.8	4.8	47.7	40.0	24.6	83.9
NW							(ph)	13.9	6.6	5.4	3.2	47.5	38.8	23.0	81.8
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112757	RL			(ch)	13.9	6.5	5.3	3.5	46.8	38.1	25.2	81.5
NW							(ph)	9.7	4.6	3.9	2.4	47.4	40.2	24.7	84.8
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112758	RS			(ch)	12.3	5.8	5.0	3.0	47.2	40.7	24.4	86.2
NW							(ph)	8.4	4.0	3.5	1.9	47.6	41.7	22.6	87.5
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112759	RL			(ch)	14.5	6.7	5.3	3.7	46.2	36.6	25.5	79.1
NW							(ph)	9.9	4.7	4.1	2.5	47.5	41.4	25.2	87.2
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112760	RS			(ch)	12.7	6.0	5.1	3.3	47.2	40.2	26.0	85.0
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112861	RS			(ch)	19.4	9.0	7.5	5.0	46.4	38.7	25.8	83.3
NW							(ph)	12.6	6.2	6.0	3.1	49.2	47.6	24.6	96.8
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112764	RL			(ch)	8.3	3.9	3.2	2.3	47.0	38.6	27.7	82.1
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112780	RL			(ch)	10.6	4.8	5.0	2.6	45.3	47.2	24.5	104.2
NW							(ch)	7.2	3.5	3.9	1.8	48.6	54.2	25.0	111.4
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112781	RL		Pl.4/15	(ch)	17.5	8.3	7.6	4.6	47.4	43.4	26.3	91.6
NW							(ch)	13.0	6.2	5.6	3.6	47.7	43.0	27.7	90.3
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112782	RS			(ch)	15.1	7.1	7.3	4.0	47.0	48.3	26.5	102.8
NW							(ch)	11.2	5.3	5.6	2.9	47.3	50.0	25.9	105.7
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112787	RL		Pl.4/6	(ch)	10.9	4.8	4.3	2.7	44.0	39.4	25.0	89.6

NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112789	RS		(ch)	11.3	5.1	4.5	2.9	45.1	39.8	25.7	88.2
NW						(ph)	7.6	3.7	3.3	2.1	48.7	43.4	27.6	89.2
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	LM-012	ind.		(ph)	11.3	5.5	5.4	2.8	48.7	47.8	24.8	98.2
NW	Sully, bed 5	upper Bajocian	UPMC-1252	RL		(ph)	23.9	12.5	12.9	5.0	52.3	54.0	20.9	103.2
NW						(ph)	15.9	8.4	9.2	3.7	52.8	60.1	23.3	109.5
NW	Sully, bed 5	upper Bajocian	UPMC-1261	ind.		(ph)	15.3	7.4	6.2	3.7	48.4	40.5	24.2	83.8
NW	Sully, bed 5	upper Bajocian	UPMC-1262	ind.		(ph)	20.4	9.2	7.9	4.8	45.1	38.7	23.5	85.9
NW	Sully, bed 5	upper Bajocian	UPMC-1263	ind.		(ph)	34.2	17.0	17.0	7.7	49.7	49.7	22.5	100.0
NW	Sully, bed 5	upper Bajocian	UPMC-1265	RL		(ph)	22.1	10.5	10.8	5.0	47.5	48.9	22.6	102.9
NW	Sully, bed 5	upper Bajocian	UPMC-1266	ind.		(ph)	50.5	24.0	23.2	12.4	47.5	45.9	24.6	96.7
NW	Sully, bed 5	upper Bajocian	UPMC-1267	ind.		(ch)	42.5	20.5	18.7	10.3	48.2	44.0	24.2	91.2
NW	Sully, bed 5	upper Bajocian	PU 111514	RL	Fig.17	(ph)	37.4	18.0	17.6	8.3	48.1	47.1	22.2	97.8
NW						(ph)	29.5	14.6	14.5	6.7	49.5	49.1	22.7	99.3
NW	Sully, bed 5	upper Bajocian	PU 111515	RL	Pl.3/14, Fig.17	(ph)	50.3	22.8	17.9	12.3	45.3	35.6	24.5	78.5
NW						(ph)	36.2	17.5	12.9	8.8	48.3	35.6	24.3	73.7
NW	Sully, bed 5	upper Bajocian	PU 112746	RL		(ch)	20.0	10.0	8.2	4.7	50.0	41.0	23.6	82.0
NW						(ph)	13.9	6.8	5.8	3.0	48.9	41.7	21.6	85.3
NW	Sully, bed 5	upper Bajocian	PU 112747	RL		(ch)	53.5	23.4	21.2	13.7	43.7	39.6	25.6	89.7
NW						(ph)	38.7	18.1	15.7	9.9	46.8	40.5	25.6	86.7
NW	Sully, bed 5	upper Bajocian	PU 112761	RL		(ph)	13.9	6.6	5.4	3.7	47.5	38.8	26.6	81.8
NW	Sully, bed 5	upper Bajocian	PU 112769	RL		(ph)	22.5	10.4	11.2	5.0	46.2	49.8	22.2	107.7
NW						(ph)	16.7	8.3	8.1	4.2	49.7	48.5	25.1	97.6
NW	Sully, bed 5	upper Bajocian	PU 112771	RL		(ch)	32.5	16.0	14.9	7.6	49.2	45.8	23.4	93.1
NW						(ph)	22.4	11.0	10.9	5.9	49.1	48.7	26.3	99.1
NW	Sully, bed 5	upper Bajocian	PU 112772	RL	Pl.4/16	(ph)	34.5	17.8	16.5	8.4	51.6	47.8	24.3	92.7
NW						(ph)	34.5	14.6	13.8	6.4	42.3	40.0	18.5	94.2
NW	Sully, bed 5	upper Bajocian	PU 112779	RL	Pl.4/17	(ch)	21.4	10.3	9.8	5.0	48.1	45.8	23.4	95.1
NW						(ph)	15.7	8.2	7.9	3.4	52.2	50.3	21.6	94.2
NW	Sully, bed 5	upper Bajocian	PU 112784	RL	Pl.4/13	(ch)	42.9	19.4	21.3	10.6	45.2	49.6	24.7	109.8
NW						(ch)	31.0	14.4	15.4	7.6	46.5	49.7	24.5	106.9
NW	Sully, bed 5	upper Bajocian	PU 112785	RL		(ph)	26.3	12.8	11.2	5.9	48.7	42.6	22.4	87.5
NW						(ph)	18.6	9.3	8.2	4.7	50.0	44.1	25.3	88.2
NW	Sully, bed 5	upper Bajocian	MRSN-S 819	RL		(ch)	16.9	7.5	6.5	4.4	44.4	38.5	26.0	86.7
NW						(ch)	12.3	5.7	5.0	3.1	46.3	40.6	25.2	87.7
NW	Sully, bed 6	upper Parkinsoni Z.	UPMC-1264	RS		(ch)	13.8	6.3	5.8	3.4	45.7	42.0	24.5	92.1
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112743	RL		(ch)	13.5	6.5	5.8	3.3	48.1	43.0	24.4	89.2
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112748	RS		(ch)	15.0	6.9	6.1	3.7	46.0	40.7	24.7	88.4
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112749	RL		(ch)	13.7	6.3	5.5	3.4	46.0	40.1	24.8	87.3
NW						(ph)	10.1	4.9	4.0	2.5	48.5	39.6	24.7	81.6
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112750	RL		(ch)	17.5	8.3	6.5	4.4	47.4	37.1	25.1	78.3
NW						(ch)	11.9	5.7	4.7	3.1	47.9	39.5	26.0	82.5
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112751	RS		(ch)	20.5	9.5	8.5	5.4	46.3	41.5	26.3	89.5
NW						(ch)	14.4	6.8	5.9	3.7	47.2	41.0	25.7	86.8
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112763	RS		(ch)	7.7	3.6	3.1	2.1	46.8	40.3	28.6	91.2
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112767	RS		(ch)	11.0	4.7	3.8	3.3	42.7	40.3	27.3	86.1
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112770	RL		(ch)	27.8	13.6	12.4	6.5	48.9	44.6	23.4	91.2
NW						(ph)	21.3	10.2	9.5	4.8	47.9	44.6	22.5	93.1
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112773	RS		(ch)	15.8	7.7	7.2	3.8	48.7	45.6	24.1	93.5
NW						(ph)	12.0	5.7	5.5	3.2	47.5	45.8	26.7	96.5
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112774	RS		(ch)	10.2	5.0	5.0	2.0	49.0	49.0	19.6	100.0
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112775	RS		(ch)	17.5	8.6	8.9	4.4	49.1	50.9	25.1	103.5
NW						(ph)	14.2	6.8	7.2	3.5	47.9	50.7	24.6	105.9
NW	Sully, bed 6	upper Parkinsoni Z.	PU 112776	RL	Pl.3/13	(ch)	22.5	10.9	10.2	5.6	48.4	45.3	24.9	93.6
NW						(ph)	15.9	8.0	7.5	4.0	50.3	47.2	25.1	93.8
SM	Embalse San Blas	Niortense Z.	EB 4/15	RS		(ch)	25.3	12.0	10.3	6.4	47.4	40.7	25.3	85.8
SM						(ph)	20.2	10.0	7.9	5.2	50.0	39.1	25.7	79.0
SM	Embalse San Blas	Niortense Z.	EB 4/16	RS		(ch)	18.5	8.8	7.2	4.4	47.6	38.9	23.8	81.9
SM	Embalse San Blas	Niortense Z.	EB 4/17	RS		(ch)	14.0	7.1	5.9	3.3	50.7	42.1	23.6	83.1
SM	Embalse San Blas	Niort.-Garantiana z.	9EB137U80/9	RS		(?)	15.0	7.0	6.0	3.5	46.7	40.0	23.3	85.7
SM	Embalse San Blas	Garantiana Z.	EB 6/10	RS		(ch)	20.3	9.5	7.6	4.7	46.8	37.4	23.2	80.0
SM	Embalse San Blas	Garantiana Z.	EB 6/26	RS		(ch)	29.1	13.3	12.3	7.0	45.7	42.3	24.1	92.5
SM						(ph)	20.0	8.8	8.8	4.8	44.0	44.0	24.0	100.0
SM	Embalse San Blas	Garantiana Z.	EB 137U80/4	RS		(ch)	18.6	8.3	6.9	4.7	44.7	37.1	25.3	83.1
SM	Embalse San Blas	Garantiana Z.	EB 137U80/5	RS		(ch)	15.6	7.4	6.1	4.1	47.4	39.1	26.3	82.4
SM	Embalse San Blas	Garantiana Z.	EB 6/27	RS		(ch)	48.5	20.4	19.3	11.6	42.1	39.8	23.9	94.6
SM	Embalse San Blas	Parkinsoni Z.	EB 137U90/1	RS		(ph)	26.1	12.4	13.1	6.3	47.5	50.2	24.1	105.6
SM	Embalse San Blas	Parkinsoni Z.	EB 54/1	RS		(?)	29.0	13.4	12.5	6.7	46.2	43.1	23.1	93.0
SM	Ipf - Bopfingen	? Niortense Z.	Tuebingen Mus.	RL		(ph)	43.0	20.6	16.9	9.9	47.9	39.3	23.0	82.0
SM	Sengenthal, bed 6/7	Garantiana Z.	MG-004	RL		(ph)	30.9	14.0	11.5	7.6	45.3	37.2	24.6	82.1
SM	Sengenthal, bed 6/7	Garantiana Z.	MG-005	RL		(ph)	39.2	17.4	14.4	10.1	44.4	36.7	25.7	82.8
SM	Sengenthal, bed 7	Parkinsoni Z.	MG-003	RL		(ph)	24.7	12.1	9.6	5.8	49.0	38.9	23.5	79.3
SM	Sengenthal, bed 7	Parkinsoni Z.	MG-019	RL		(ph)	22.3	10.7	11.2	4.9	48.0	50.2	22.0	104.7
SM	Sengenthal, bed 7	Parkinsoni Z.	MG-020	RL		(ch)	51.6	23.6	21.6	13.1	45.9	41.9	25.4	91.5
SM	Sengenthal, bed 7	Parkinsoni Z.	MG-021	RL		(ch)	31.9	14.3	13.6	7.4	44.8	42.6	23.2	95.1
SM	Sengenthal, bed 7	Parkinsoni Z.	MG-022	RL		(ph)	19.3	8.8	8.3	5.1	45.6	43.0	26.4	94.3
SM	Sengenthal, bed 7	Parkinsoni Z.	MG-023	RL		(ph)	30.2	14.3	12.9	7.5	47.5	42.7	24.8	90.2
SM	Sengenthal, bed 8	Parkinsoni Z.	MG-008	RL		(ph)	28.6	14.0	13.4	6.8	49.0	46.9	23.8	95.7
SM	Sengenthal, bed 8	Parkinsoni Z.	MG-009	RL		(ph)	30.2	15.0	11.7	7.2	49.7	38.7	23.8	78.0
SM	Sengenthal, bed 9	topmost Bajocian	MG-007	RL		(ph)	36.6	17.2	14.3	9.1	47.0	39.1	24.9	83.1
SM	Chaudon, bed 181	Garantiana Z.	PU 112755	RS		(ph)	33.1	14.2	14.1	8.5	42.9	42.6	25.7	99.3
SM						(ph)	21.8	10.8	10.4	5.7	49.5	47.7	26.1	96.3
SM	Chaudon, bed 1	lower Zigzag Z.	PU 31403	RS	HT	(ph)	41.5	19.1	18.5	11.0	46.0	44.6	26.5	96.9
SM	Chaudon, bed 1	lower Zigzag Z.	PU 111438	RS	Pl.3/16	(ph)	52.5	23.4	21.5	13.4	44.6	41.0	25.5	91.9
SM						(ph)	39.6	18.5	16.3	9.1	46.7	41.2	23.0	88.1
SM	Chaudon, bed 1	lower Zigzag Z.	PU 111439	RS		(ph)	22.2	10.8	10.8	5.6	48.6	48.6	25.2	100.0
SM	Teillon	Garantiana Z.	PU 113012	RL		(ch)	16.3	7.3	6.7	4.1	44.8	41.1	25.2	91.8
M	Gelpach 2	Niortense Z.	UP 117608	RS		(ch)	11.5	5.4	4.3	3.2	47.0	37.4	27.8	79.6
	[m]													
NW	Croisilles, bed 12	upper Garantiana Z.	PU 113030	RL		(ph)	12.9	5.0	4.2	4.3	38.8	32.6	33.3	84.0

NW	Evrecy, bed "12"	middle Parkinsoni Z.	LM-009	ind.			(ch)	10.0	4.2	3.1	3.2	42.0	31.0	32.0	73.8	
NW	Maizet, bed 9	middle Garantiana Z.	PU 112847	RL			(ch)	11.8	4.9	4.0	3.7	41.5	33.9	31.4	81.6	
NW	Maizet, bed 9	middle Garantiana Z.	PU 112848	RL			(ch)	9.7	4.2	3.3	3.4	43.3	34.0	35.1	78.6	
NW	Maizet, bed 9	middle Garantiana Z.	PU 112850	RS			(ch)	8.5	3.6	3.0	2.8	42.4	35.3	32.9	83.3	
NW	Maizet, bed 9	middle Garantiana Z.	PU 112851	RL		Pl.4/7	(ch)	9.5	4.2	3.5	3.1	44.2	36.8	32.6	83.3	
NW	Maizet, bed 9	middle Garantiana Z.	PU 112852	RL		Pl.4/4	(ch)	10.0	4.3	3.3	3.1	43.0	33.0	31.0	76.7	
NW	Maizet, bed 10	upper Garantiana Z.	PU 112817	RL			(ch)	12.6	5.3	4.2	4.0	42.1	33.3	31.7	79.2	
NW	Maizet, bed 10	upper Garantiana Z.	PU 112818	RL			(ch)	12.7	5.4	4.2	4.2	42.5	33.1	33.1	77.8	
NW	Maizet, bed 10	upper Garantiana Z.	PU 112853	RL		Pl.4/5	(ch)	12.0	5.1	4.1	3.8	42.5	34.2	31.7	80.4	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112765	RL		Pl.4/8	(ch)	10.8	4.7	3.7	3.3	43.5	34.3	30.6	78.7	
NW	Ste-Honorine, bed 6	upper Parkinsoni Z.	PU 112766	RL		Pl.4/3	(ch)	10.5	4.5	3.7	3.5	42.9	35.2	33.3	82.2	
NW	Sully, bed 5	upper Bajocian	PU 112790	RL			(ch)	9.7	4.0	3.5	3.0	41.2	36.1	28.9	87.5	
SM	Embalse San Blas	Niortense Z.	EB 4/11	RS			(ch)	9.3	4.0	3.5	2.8	43.0	37.6	30.1	87.5	
SM	Embalse San Blas	Niortense Z.	EB 4/12	RS			(ch)	8.2	3.7	3.3	2.7	45.1	40.2	32.9	89.2	
	[M]	<i>Lissoceras meletense</i> (Parona, 1896)														
NW	Evrecy, bed "12"	Parkinsoni Z.	LM-014	ind.			(ch)	22.7	11.3	13.0	4.9	48.8	57.3	21.6	115.0	
NW	Sully, bed 5	upper Bajocian	PU 112786	RL		Pl.4/14, Fig.19	(ph)	26.3	12.8	14.8	5.9	48.7	56.3	22.4	115.6	
NW							(ph)	18.0	9.4	10.5	4.0	52.2	58.3	22.2	111.7	
M	Monte Longara	upper Niortense Z.	PD 15069/A	RS			(ch)	11.1	5.3	6.6	2.6	47.7	59.5	23.4	124.5	
M	Monte Longara	upper Niortense Z.	PD 15069/B	RS			(ch)	9.7	4.5	5.7	2.3	46.4	58.8	23.7	126.7	
M	Monte Longara	upper Niortense Z.	PD 15069/C	RS			(ph)	9.8	4.9	6.1	2.3	50.0	62.2	23.5	124.5	
M	Monte Longara	upper Niortense Z.	PD 15069/D	RS			(ph)	8.8	4.3	5.2	2.1	48.8	59.1	23.9	120.9	
M	Monte Longara	upper Niortense Z.	PD 15069/E	RS			(ph)	8.5	4.1	5.1	2.1	48.2	60.0	24.7	124.4	
M	Monte Longara	upper Niortense Z.	PD 15069/F	RS	PTL	Fig.19	(ph)	19.4	9.1	11.0	4.9	46.9	56.7	25.3	120.9	
M	Monte Longara	upper Niortense Z.	PD 15069	RS			5 specimens									
M	Monte Longara	upper Niortense Z.	PU 35789	RS	LT	Pl.4/11	(ph)	15.3	7.3	9.3	3.5	47.7	60.8	22.9	127.4	
M							(ph)	10.4	5.5	6.6	2.5	52.9	63.5	24.0	120.0	
M	Monte Meletta	upper Niortense Z.	PU 35790	RS		Pl.4/10	(ph)	13.4	6.5	7.9	3.1	48.5	59.0	23.1	121.5	
M							(ph)	9.3	4.8	5.8	2.2	51.6	62.4	23.6	120.1	
M	Monte Meletta	upper Niortense Z.	PU 113001	RS			(ph)	17.0	8.1	9.5	4.0	47.6	55.9	23.5	117.3	
M	Monte Meletta	upper Niortense Z.	PU 113002	RS			(ph)	11.3	5.4	6.8	2.8	47.8	60.2	24.8	125.9	
M	Monte Meletta	upper Niortense Z.	PU 113003	RS			(ph)	25.7	12.1	14.0	6.3	47.1	54.5	24.5	115.7	
M	Monte Meletta	upper Niortense Z.	PU 113026	RS			(ph)	18.5	8.3	10.5	4.2	44.9	56.8	22.7	126.5	
M	Monte Meletta	upper Niortense Z.	PU 113028	RS			(ph)	8.9	4.3	5.2	2.1	48.3	58.4	23.6	120.9	
M	Monte Meletta	upper Niortense Z.	PU 113029	RS			(ph)	8.2	4.0	5.0	1.9	48.8	61.0	23.2	125.0	
M	Monte Meletta	upper Niortense Z.	PU 35788	RS			8 specimens									
M	Rotherbrunn	middle Niortense Z.	PU 36066	RS			2 specimens									
M	Troch 2	upper Niortense Z.	PU 113027	RS			(ph)	8.0	3.7	4.7	1.9	46.3	58.8	23.8	127.0	
M	Troch 2	upper Niortense Z.	PU 36057	RS			6 specimens									
C	Karaiman-Shorli	Niortense Z.	VM 5320	?			(?)	26.3	12.1	15.0	5.6	46.0	57.0	21.3	124.0	
	[m]	<i>Lissoceras pusillum</i> Sturani, 1971														
M	Troch 1	Romani Subz.	PU 36068	RS	HT	Pl.4/9	(ch)	8.6	2.9	2.6	3.4	33.7	30.2	39.5	89.7	
M	Troch 1	Romani Subz.	PU 36071	RS			(ch)	10.0	3.4	2.9	4.0	34.0	29.0	40.0	85.3	
M	Troch 1	Romani Subz.	PU 112986	RS			(ch)	9.3	3.0	2.8	3.9	32.2	30.1	41.9	93.3	
M	Troch 1	Romani Subz.	PU 112987	RS			(ch)	6.5	2.2	2.1	2.8	33.8	32.3	43.1	95.5	
	[m]	<i>Lissoceras maerteni</i> n. sp.														
NW	Sully, bed 5	upper Bajocian	PU 112998	RL	HT	Pl.4/18	(ch)	17.3	6.1	4.4	6.9	35.3	25.4	39.9	72.1	
NW							(ch)	13.2	4.8	3.7	5.0	36.4	28.0	37.9	77.1	
NW	Sully, bed 5	upper Bajocian	PU 112999	RL	PT	Pl.4/19	(ch)	11.1	4.2	3.2	4.2	37.8	28.8	37.8	76.2	
	[M]	<i>Semilissoceras ellipticum</i> n.sp.														
SM	Masada Toyuela	upper Laeviuscula Z.	MT2d/277	RL	PT	Pl.4/24	(ch)	42.0	19.4	9.1	10.5	46.2	21.7	25.0	46.9	
SM							(ph)	29.0	13.2	6.5	7.0	45.5	22.4	24.1	49.2	
SM	Masada Toyuela	upper Laeviuscula Z.	MT2d/273	RL	HT	Pl.4/26	(ch)	41.0	18.3	8.3	9.5	44.6	20.2	23.2	45.4	
SM							(ch)	37.0	16.8	7.6	8.1	45.4	20.5	21.9	45.2	
SM	Masada Toyuela	middle Laeviuscula Z.	MT2c/274	RL	PT	Pl.4/23	(ph)	35.0	17.0	7.9	8.4	48.6	22.6	24.0	46.5	
SM							(ph)	16.0	7.6	4.3	3.8	47.5	26.9	23.8	56.6	
SM	Masada Toyuela	upper Laeviuscula Z.	MAP-MT2c/272	RL			(ch)	32.5	14.9	7.3	7.8	45.8	22.5	24.0	49.0	
SM	Masada Toyuela	upper Laeviuscula Z.	MAP-MT2c/275	RL	PT	Pl.4/25	1 specimen									
SM	Masada Toyuela	upper Laeviuscula Z.	MAP-MT2d/280	RL			1 specimen									
SM	Masada Toyuela	upper Laeviuscula Z.	MAP-MT2d/281	RL			1 specimen									
SM	Masada Toyuela	upper Laeviuscula Z.	MAP-MT2d/287	RL			1 specimen									
SM	Moscardon	lower Laeviuscula Z.	M104U80/2	RL			1 specimen									
SM	Moscardon	lower Laeviuscula Z.	M10U50/5	RL	PT	Pl.4/22, Fig.22	(ch)	24.0	11.3	5.9	5.4	47.1	24.6	22.5	52.2	
SM							(ph)	19.0	9.2	5.0	4.3	48.4	26.3	22.6	54.3	
SM	Murtinheira	upper Laeviuscula Z.	AB104U80/2	RS		Pl.4/20, Fig.22	(ph)	27.0	13.0	6.4	5.9	48.1	23.7	21.9	49.2	
SM							(ph)	18.0	8.3	4.9	4.0	46.1	27.2	22.2	59.0	
SM	Beaumont, bed 32	lower Laeviuscula Z.	PU 1128776	RS			1 specimen									
SM	[m]															
SM	Masada Toyuela	upper Laeviuscula Z.	MAP-MT2c/279	RL	AT	Pl.4/21	(ch)	35.0	15.2	7.4	9.6	43.4	21.1	27.4	48.7	
	[M]	<i>Semilissoceras turgidulum</i> n.sp.														
NW	Sandford Lane	middle Laeviuscula Z.	SMSN 70396/10	RL		Pl.5/6	(ph)	34.6	16.8	9.2	8.1	48.6	26.6	23.4	54.7	
SM	Masada Toyuela	lower Laeviuscula Z.	MT2a/95	RL	PT	Pl.5/3	(ch)	40.0	18.4	11.5	8.7	46.0	28.8	21.8	62.5	
SM							(ph)	25.0	10.9	6.7	5.7	43.6	26.8	22.8	61.5	
SM	Moscardon	lower Laeviuscula Z.	M9U50/1	RL	HT	Pl.5/1	(ch)	56.0	24.1	13.4	12.1	43.0	23.9	21.6	55.6	
SM							(ch)	36.0	18.4	10.0	7.8	51.1	27.8	21.7	54.3	
SM	Saldon	Laeviuscula Z.	G10U70/4	RL	PT	Pl.5/2	(ph)	20.0	9.2	5.0	4.3	46.0	25.0	21.5	54.3	
	[m]															
SM	Moscardon	lower Laeviuscula Z.	M9L20/2	RL	AT	Pl.5/5	(ch)	33.6	14.5	7.2	9.6	43.2	21.4	28.6	49.7	
SM	Moscardon	lower Laeviuscula Z.	M9L20/3	RL	PT	Pl.5/4, Fig.22	1 specimen									
	[M]	<i>Semilissoceras depereti</i> (Flamand, 1911)														
SM	Masada Toyuela	Laeviuscula Z.	MT3/1	RL		Pl.5/13		63.0	25.5	15.5	15.0	40.5	24.6	23.8	60.8	
	[M]	<i>Semilissoceras semicostulatum</i> (Buckman, 1923)														
NW	Maizet, bed 5	upper Humphriesi. Z.	PU 113011	RL		Pl.5/8	(ch)	> 60								
NW	Sandford Lane	upper Laeviuscula Z.	BGS-47188	RL	HT	Figs 23, 24	(ph)	45.0	21.3	16.2	11.1	47.3	36.0	24.7	76.1	

NW							(ph)	39.0	18.4	14.0	9.2	46.9	35.9	23.6	76.1
NW	Sandford Lane	middle Laeviuscula Z.	Sh-SL X40390	RS		Fig.23	(ph)	40.0	20.0	14.0	8.0	50.0	35.0	20.0	70.0
NW	Sandford Lane	Propinquans Z.	SMNS 70396/3	RS		Pl.5/10, Fig.24	(ph)	43.4	21.4	15.5	9.8	49.3	35.7	22.6	72.4
NW							(ph)	31.2	15.4	11.4	7.0	49.4	36.5	22.4	74.0
NW	Chiran	Propinquans Z.	PU 113031	RL			(ph)	24.4	11.8	8.1	5.6	48.4	33.2	23.0	47.5
SM	Chaudon, bed 415	Romani Subz.	PU 113024	RS		Pl.5/7	1 specimen								
	[M]	<i>Semilissoceras costellatum</i> n. sp.													
NW	Bayeux, bed "5a"	Niort.-Garantiana z.	EM-586	RL			(ph)	31.1	15.5	10.9	6.9	49.8	35.0	22.2	70.3
NW	Bayeux, bed "5a"	Niort.-Garantiana z.	EM-587	RL			(ph)	34.0	16.4	12.2	7.4	48.2	35.9	21.8	74.4
NW	Bayeux, bed "5a"	Niort.-Garantiana z.	EM-588	RL		Fig.24	(ph)	42.9	21.6	14.6	9.5	50.3	34.0	22.1	67.6
NW	Bayeux, bed "5a"	Niort.-Garantiana z.	EM-598	RL			(ph)	23.7	11.8	8.8	5.5	49.8	37.1	23.2	75.0
NW	Bayeux, bed "5a"	Niort.-Garantiana z.	EM-601	RL			(ph)	26.2	13.4	9.5	5.7	51.1	36.3	21.8	70.9
NW	Bayeux, bed "5a"	Niort.-Garantiana z.	EM-602	RL			(ph)	21.5	10.2	7.4	5.3	47.4	34.4	24.7	72.5
NW	Bayeux, bed "5a"	Niort.-Garantiana z.	EM-604	RL			(ph)	23.6	11.8	8.5	5.3	50.0	36.0	22.5	72.0
NW	Bretteville, bed 8	upper Humphriesi. Z.	PU 112965	RL			(ch)	28.9	14.2	9.8	6.2	49.1	33.9	21.5	69.0
NW	Bretteville, bed 9	Niort.-Garantiana z.	PU 112830	RL			(ph)	25.0	12.0	8.7	6.1	48.0	34.8	24.4	72.5
NW							(ph)	18.5	9.1	6.6	4.6	49.2	35.7	24.9	72.5
NW	Evrecy bed "5"	upper Humphriesi. Z.	LM-017	RL			(ph)	32.6	16.1	10.6	7.4	49.4	32.5	22.7	65.8
NW	Maizet, bed 5	upper Humphriesi. Z.	PU 112835	RL	HT	Pl.5/9	(ph)	28.9	15.0	10.4	6.4	51.9	36.0	22.1	69.3
NW							(ph)	18.6	9.5	7.0	4.6	51.1	37.6	24.7	73.7
NW	Maizet, bed 5	upper Humphriesi. Z.	LM-004	RL			(ph)	34.5	17.6	11.5	7.7	51.0	33.3	22.3	65.3
NW							(ph)	23.6	11.9	7.3	5.4	50.4	30.9	22.9	61.3
NW	Sanford Lane	Propinquans Z.	SMNS 70396/2	RS		Pl.5/15	(ph)	36.3	17.2	11.8	8.4	47.4	32.5	23.1	68.6
NW	Sully, bed 5a	Niort.-Garantiana z.	UPMC-1250	RL			(ph)	28.3	14.4	10.0	6.9	50.9	35.3	24.4	69.4
NW	Sully, bed 5a	Niort.-Garantiana z.	UPMC-1251	RL			(ph)	21.2	10.8	7.7	5.0	50.9	36.3	23.6	71.3
NW	Sully, bed 5a	Niort.-Garantiana z.	PU 112735	RL	PT	Fig.25	(ph)	30.0	15.2	10.6	6.7	50.7	35.3	22.3	69.7
NW							(ph)	21.7	10.8	7.7	4.9	49.7	35.5	22.6	71.3
NW	Sully, bed 5a	Niort.-Garantiana z.	PU 112736	RL		Pl.5/14	(ph)	30.6	15.9	10.5	6.9	52.0	34.3	22.5	66.0
NW							(ph)	20.8	10.4	7.7	4.8	50.0	37.0	23.1	74.0
NW	Sully, bed 5a	Niort.-Garantiana z.	PU 112737	RL	PT	Pl.5/11	(ph)	37.8	19.0	12.8	8.4	50.3	33.9	22.2	67.4
NW							(ph)	27.0	13.2	8.7	5.7	48.9	32.2	21.1	65.9
NW	Sully, bed 5a	Niort.-Garantiana z.	PU112738	RL			(ch)	27.9	14.7	9.8	5.7	52.7	35.1	20.4	66.7
NW							(ph)	20.0	9.9	7.0	4.2	49.5	35.0	21.0	70.7
SM	Chaudon, bed 413	Romani Subz.	PU 113013	RS			1 specimen								
SM	Chaudon, bed 397	Romani Subz.	PU 113014	RS			1 specimen								
SM	Chaudon, bed 397	Romani Subz.	PU 113015	RS	PT	Pl.5/12	1 specimen								
SM	Chaudon, bed 397	Romani Subz.	PU 113016	RS			1 specimen								
SM	Chaudon, bed 357	Umbilicum Subz.	PU 113017	RS			1 specimen								
SM	Chaudon, bed 333	Blagdeni Subz.	PU 113018	RS			1 specimen								
SM	Chaudon, bed 307	Blagdeni Subz.	PU 113019	RS			1 specimen								
SM	Chaudon, bed 227	Baculata Subz.	PU 113020	RS			1 specimen								
SM	Chaudon, bed 222	Baculata Subz.	PU 113025	RS			1 specimen								
SM	Teillon	Garantiana Subz.	PU 113010	RL	PT	Pl.5/16	(ch)	30.8	15.3	10.7	7.3	49.7	34.7	23.7	69.9
M	Cima 3 Pezzi	Banksi Subz.	PU 36059	RS			3 specimens								
M	Monte Meletta	upper Niortense Z.	PU 35792	RS		Pl.5/17	aff. - 1 specimen								
M	Troch 1	Romani Subz.	PU 36061	RS			(ch)	13.7	6.9	5.4	3.4	50.4	39.4	24.8	78.3
M	Troch 1	Romani Subz.	PU 36062	RS			(ch)	13.1	6.4	5.0	3.1	48.9	38.2	23.7	78.1
M	Troch 1	Romani Subz.	PU 36063	RS			5 specimens								
M	Troch 1	Romani Subz.	PU 112985	RS			(ch)	11.9	5.7	4.3	2.7	47.9	36.1	22.7	75.4
C	Chaloi	Niort.-Garantiana z.	VM-2228	?			(?)	34.4	18.9	12.1	8.0	54.9	35.2	23.3	64.0