

Supplemental Online Material 2: Details of all the specimens described in this study

(*In many specimens the lateral edges of the shells are not fully preserved. The original widths of the specimens (Ad. Width) were estimated only when one of the lateral sides is fully preserved.)

Spiriferella keilhavii (von Buch, 1846)

Registration No.	Previously given No.	Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
								Width	Ad. Width*	Length	Thickness	Ad. W:L	
MB.B.10545		Miseryfjellet, Bjørnøya	Miseryfjellet Fm.		Ventral valve	Original shell	Figs 4A, 4C, 10A	45.5	45.5	43.5		1.046	Lectotype
PMO 226.005		Miseryfjellet, Bjørnøya	Miseryfjellet Fm.		Ventral valve	Original shell	Fig. 10E-H	28.9	28.9	22.8	10.7	1.268	
PMO 226.006		Miseryfjellet, Bjørnøya	Miseryfjellet Fm.		Ventral valve	Original shell	Fig. 10B	30.2	30.2	29.1	10.9	1.038	
PMO 226.007		Miseryfjellet, Bjørnøya	Miseryfjellet Fm.		Ventral valve	Original shell	Fig. 10D	41.1	42.0	34.0		1.235	
PMO 226.008		Miseryfjellet, Bjørnøya	Miseryfjellet Fm.		Ventral valve	Original shell	Fig. 10C	35.7	35.7	31.1		1.148	

Spiriferella loveni (Diener, 1903)

Registration No.	Previously given No.	Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
								Width	Ad. Width*	Length	Thickness	Ad. W:L	
NHMW 1875/0041/0022		Lovénberg, Spitsbergen	Kapp Starostin Fm.		Ventral valve	Original shell	Figs 4E-G, 12D-E	27.3	30.2	23.1		1.307	Lectotype
NHMW 2017/0120/0001		Lovénberg, Spitsbergen	Kapp Starostin Fm.		Ventral valve	Original shell	Fig. 12A-C	48.8	52.0	35.7	21.0	1.457	Paralectotype
NHMW 2017/0120/0002		Lovénberg, Spitsbergen	Kapp Starostin Fm.		Dorsal valve	Original shell	Figs 4H, 12F-G			21.1			Paralectotype
PMO A9883		Skansbukta(?), Spitsbergen	Kapp Starostin Fm.		Ventral valve	Original shell	Fig.12K-M	23.0	23.0	22.3	10.1	1.031	
PMO A9884		Skansbukta(?), Spitsbergen	Kapp Starostin Fm.		Ventral valve	Original shell	Fig. 12I-J	23.8	23.8	21.8	9.2	1.092	
PMO 227.415		Tolmodryggen, Spitsbergen	Kapp Starostin Fm.		Ventral valve	Original shell	Fig. 12H	26.1					
PMO 226.013		Miseryfjellet, Bjørnøya	Miseryfjellet Fm.		Conjoined shell	Original shell	Fig. 12N-P	38.4	38.4	30.5	14.5(24.0)	1.259	
NMV P340298	DUES-SL042	F11-001	Festningen, Spitsbergen	F11	Conjoined shell	Original shell	Figs 11, 12Z-C'	45.3	45.3	38.4	14.0 (19.2)	1.180	Serially sectioned
NMV P340299	DUES-SL043	T10bs-001	Trygghamna, Spitsbergen	T10 base	Conjoined shell	Internal mould	Fig. 13L	24.2	24.2	24.5		0.988	
NMV P340300	DUES-SL044	T10bs-002	Trygghamna, Spitsbergen	T10 base	Conjoined shell	Internal mould	Fig. 13X-Z	29.5	29.5	27.2	11.2 (16.8)	1.085	
NMV P340301	DUES-SL045	AP7-001	Ahlstrandodden, Spitsbergen	A6	Conjoined shell	Original shell	Fig. 13E'-G'	29.5	35.0	26.7	18.0 (25.0)	1.311	
NMV P340302	DUES-SL046	SB3-011	Skansbukta B, Spitsbergen	SB9	Conjoined shell	Original shell	Fig. 13D'	38.1	38.1	38.7		0.984	
NMV P340303	DUES-SL047	F4top-001	Festningen, Spitsbergen	F4 top	Ventral valve	Original shell		27.1	37.6				
NMV P340304	DUES-SL048	F7-1-001	Festningen, Spitsbergen	F7 lower	Ventral valve	Original shell		19.6	22.0	19.9	9.4	1.106	
NMV P340305	DUES-SL049	F7-1-002	Festningen, Spitsbergen	F7 lower	Ventral valve	Original shell		21.4	21.4	18.2		1.176	
NMV P340306	DUES-SL050	F7-1-003	Festningen, Spitsbergen	F7 lower	Ventral valve	Internal mould		27.0					
NMV P340307	DUES-SL051	F7-1-004	Festningen, Spitsbergen	F7 lower	Ventral valve	Internal mould		34.2					
NMV P340308	DUES-SL052	F7-1-005	Festningen, Spitsbergen	F7 lower	Ventral valve	Internal mould	Fig. 13M	27.1	27.1	22.4		1.210	
NMV P340309	DUES-SL053	F7-1-006	Festningen, Spitsbergen	F7 lower	Ventral valve	Internal mould		34.2	34.2				
NMV P340310	DUES-SL054	F7-1-007	Festningen, Spitsbergen	F7 lower	Ventral valve	Internal mould		33.0					
NMV P340311	DUES-SL055	F7-1-008	Festningen, Spitsbergen	F7 lower	Ventral valve	External mould		24.2	38.0				
NMV P340312	DUES-SL056	F7-1-009	Festningen, Spitsbergen	F7 lower	Ventral valve	External mould		20.7	23.2				
NMV P340313	DUES-SL057	F7R-013	Festningen, Spitsbergen	F7 middle	Ventral valve	External mould		20.7	20.7	18.2	8.5	1.137	
NMV P340314	DUES-SL058	F8-041	Festningen, Spitsbergen	F8	Ventral valve	Original shell	Fig. 13D-E	21.2	21.2	17.3	7.2	1.225	
NMV P340315	DUES-SL059	F8-042	Festningen, Spitsbergen	F8	Ventral valve	Original shell	Fig. 12W	21.9	21.9	19.2	8.9	1.141	
NMV P340316	DUES-SL060	F8-043	Festningen, Spitsbergen	F8	Ventral valve	Original shell	Fig. 12X	29.8	29.8	19.6	9.5	1.520	
NMV P340317	DUES-SL061	F8-044	Festningen, Spitsbergen	F8	Ventral valve	Original shell		26.9	26.9	25.1	12.0	1.072	
NMV P340318	DUES-SL062	F8-045	Festningen, Spitsbergen	F8	Ventral valve	Original shell		28.1	28.1	27.2	10.1	1.033	
NMV P340319	DUES-SL063	F8-046	Festningen, Spitsbergen	F8	Ventral valve	Original shell		34.8	34.8	25.7	11.2	1.354	
NMV P340320	DUES-SL064	F8-047	Festningen, Spitsbergen	F8	Ventral valve	Original shell	Fig. 12Y	39.6	39.6	33.4	10.1	1.186	
NMV P340321	DUES-SL065	F8-048	Festningen, Spitsbergen	F8	Ventral valve	Original shell		46.9	46.9	34.2	14.5	1.371	
NMV P340322	DUES-SL066	F8-049	Festningen, Spitsbergen	F8	Ventral valve	Original shell		48.2	51.0	40.8	14.3	1.250	
NMV P340323	DUES-SL067	F8-050	Festningen, Spitsbergen	F8	Ventral valve	Original shell		35.4	35.4	39.8	15.5	0.889	
NMV P340324	DUES-SL068	F8-051	Festningen, Spitsbergen	F8	Ventral valve	Original shell		51.8	56.0	42.4	15.2	1.321	
NMV P340325	DUES-SL069	F8-052	Festningen, Spitsbergen	F8	Ventral valve	Original shell	Fig. 12D'-E'	59.9	59.9	53.2	25.0	1.126	
NMV P340326	DUES-SL070	F8-053	Festningen, Spitsbergen	F8	Ventral valve	Original shell		22.8	22.8	22.1	7.4	1.032	
NMV P340327	DUES-SL071	F8-054	Festningen, Spitsbergen	F8	Ventral valve	Original shell		25.8	25.8	24.2	8.2	1.066	

NMV P340328	DUES-SL072	F8-055	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	27.6	27.6	21.8	10.1	1.266
NMV P340329	DUES-SL073	F8-056	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	24.5	24.5	19.0	7.8	1.289
NMV P340330	DUES-SL074	F8-057	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	27.9	27.9	24.7	10.2	1.130
NMV P340331	DUES-SL075	F8-058	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	27.4	27.4	27.6	10.7	0.993
NMV P340332	DUES-SL076	F8-059	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	23.6	23.6	17.5	8.2	1.349
NMV P340333	DUES-SL077	F8-060	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	28.4	28.4	23.1	10.0	1.229
NMV P340334	DUES-SL078	F8-061	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	30.8	30.8	28.2	14.6	1.092
NMV P340335	DUES-SL079	F8-062	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	31.4	35.0	29.1	11.5	1.203
NMV P340336	DUES-SL080	F8-063	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	25.9	28.0	23.1	11.7	1.212
NMV P340337	DUES-SL081	F8-064	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	30.2	32.0	28.7	16.5	1.115
NMV P340338	DUES-SL082	F8-065	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	26.1	32.0	28.0	12.3	1.143
NMV P340339	DUES-SL083	F8-066	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	40.4	40.4	30.7	15.5	1.316
NMV P340340	DUES-SL084	F8-067	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	48.2	48.2	46.2	16.7	1.043
NMV P340341	DUES-SL085	F8-068	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	46.5	46.5	44.4	17.1	1.047
NMV P340342	DUES-SL086	F8-069	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	47.8	47.8	42.7	16.6	1.119
NMV P340343	DUES-SL087	F8-070	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	35.2	35.2	34.1	17.1	1.032
NMV P340344	DUES-SL088	F8-071	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	40.0	40.0	35.5	18.0	1.127
NMV P340345	DUES-SL089	F8-072	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	48.4	48.4	38.5	13.7	1.257
NMV P340346	DUES-SL090	F8-073	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	46.5	46.5	40.7	15.5	1.143
NMV P340347	DUES-SL091	F8-074	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	45.0	45.0	38.2	13.6	1.178
NMV P340348	DUES-SL092	F8-075	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	42.6	42.6	37.4	15.2	1.139
NMV P340349	DUES-SL093	F8-076	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	47.7	47.7	40.4	18.0	1.181
NMV P340350	DUES-SL094	F8-077	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	37.8	37.8	35.5	15.2	1.065
NMV P340351	DUES-SL095	F8-078	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	45.5	53.0	35.0	14.5	1.514
NMV P340352	DUES-SL096	F8-079	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	35.2	35.2	32.3	11.7	1.090
NMV P340353	DUES-SL097	F8-080	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	45.0	47.0	35.0	12.0	1.343
NMV P340354	DUES-SL098	F8-081	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	43.0	47.0	32.5	15.5	1.446
NMV P340355	DUES-SL099	F8-082	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	38.0	38.0	29.1	12.1	1.306
NMV P340356	DUES-SL100	F8-083	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	29.1	29.1	27.5	12.8	1.058
NMV P340357	DUES-SL101	F8-084	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	43.6	43.6	39.1	19.0	1.115
NMV P340358	DUES-SL102	F8-085	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	38.2	38.2	33.3	13.3	1.147
NMV P340359	DUES-SL103	F8-086	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	53.3	53.3	47.6	17.4	1.120
NMV P340360	DUES-SL104	F8-087	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	36.3	36.3	37.4	17.1	0.971
NMV P340361	DUES-SL105	F8-088	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	60.2	60.2	49.6	24.0	1.214
NMV P340362	DUES-SL106	F8-089	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	51.5	51.5	35.6	14.5	1.447
NMV P340363	DUES-SL107	F8-090	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	41.3	41.3	34.2	15.1	1.208
NMV P340364	DUES-SL108	F8-091	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	53.9	53.9	51.7	17.8	1.043
NMV P340365	DUES-SL109	F8-092	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	46.3	49.0	37.0	15.5	1.324
NMV P340366	DUES-SL110	F8-093	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	44.4	44.4	34.7	14.1	1.280
NMV P340367	DUES-SL111	F8-094	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Ventral valve	Original shell	35.2	35.2	33.4	12.0	1.054
NMV P340368	DUES-SL112	F9bs-006	Festningen, Spitsbergen	Kapp Starostin Fm.	F9 base	Ventral valve	Original shell	42.2	42.2	32.0		1.319
NMV P340369	DUES-SL113	F9bs-007	Festningen, Spitsbergen	Kapp Starostin Fm.	F9 base	Ventral valve	Original shell	29.2	33.0	24.9		1.325
NMV P340370	DUES-SL114	F9bs-008	Festningen, Spitsbergen	Kapp Starostin Fm.	F9 base	Ventral valve	Original shell	31.2	31.2	22.8		1.368
NMV P340371	DUES-SL115	F9-001	Festningen, Spitsbergen	Kapp Starostin Fm.	F9	Ventral valve	Original shell	32.0		38.0		
NMV P340372	DUES-SL116	T10bs-003	Trygghamna, Spitsbergen	Kapp Starostin Fm.	T10 base	Ventral valve	Internal mould	36.5				
NMV P340373	DUES-SL117	F11-002	Festningen, Spitsbergen	Kapp Starostin Fm.	F11	Ventral valve	Original shell	39.0	44.0	39.0		1.128
NMV P340374	DUES-SL118	F11-003	Festningen, Spitsbergen	Kapp Starostin Fm.	F11	Ventral valve	Original shell	49.0	64.0			
NMV P340375	DUES-SL119	F11-004	Festningen, Spitsbergen	Kapp Starostin Fm.	F11	Ventral valve	Original shell			51.2		
NMV P340376	DUES-SL120	F11-005	Festningen, Spitsbergen	Kapp Starostin Fm.	F11	Ventral valve	Original shell			49.5		
NMV P340377	DUES-SL121	T2-001	Trygghamna, Spitsbergen	Vøringen Mb.	T2	Ventral valve	Original shell	24.0	24.0	25.1	9.8	0.956
NMV P340378	DUES-SL122	T2-002	Trygghamna, Spitsbergen	Vøringen Mb.	T2	Ventral valve	Original shell	23.5	26.0	23.7	12.0	1.097
NMV P340379	DUES-SL123	T8-005	Trygghamna, Spitsbergen	Kapp Starostin Fm.	T8	Ventral valve	Original shell	22.0				

Fig. 13U

NMV P340380	DUES-SL124	T8-006	Trygghamna, Spitsbergen	Kapp Starostin Fm.	T8	Ventral valve	Original shell		24.0				
NMV P340381	DUES-SL125	T8-007	Trygghamna, Spitsbergen	Kapp Starostin Fm.	T8	Ventral valve	Original shell		27.8	27.8	25.0	12.1	1.112
NMV P340382	DUES-SL126	T8-008	Trygghamna, Spitsbergen	Kapp Starostin Fm.	T8	Ventral valve	Original shell		35.6	35.6	34.1		1.044
NMV P340383	DUES-SL127	T8-010	Trygghamna, Spitsbergen	Kapp Starostin Fm.	T8	Ventral valve	Original shell		42.0	42.0	31.0	13.4	1.355
NMV P340384	DUES-SL128	T8-011	Trygghamna, Spitsbergen	Kapp Starostin Fm.	T8	Ventral valve	Internal mould		50.1	53.0	39.0		1.359
NMV P340385	DUES-SL129	AP2-002	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A3 lower	Ventral valve	Internal mould		33.0		26.0		
NMV P340386	DUES-SL130	AP6-009	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A5	Ventral valve	Original shell		21.9	21.9	25.4	10.3	0.862
NMV P340387	DUES-SL131	AP6-010	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A5	Ventral valve	Original shell		28.7	28.7	28.5	13.0	1.007
NMV P340388	DUES-SL132	AP6-011	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A5	Ventral valve	Original shell		28.9	28.9	28.7	12.1	1.007
NMV P340389	DUES-SL133	AP6-012	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A5	Ventral valve	Original shell		27.0	27.0	26.5	13.0	1.019
NMV P340390	DUES-SL134	AP6-013	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A5	Ventral valve	Original shell		26.7	26.7	28.0	14.0	0.954
NMV P340391	DUES-SL135	AP7-002	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A6	Ventral valve	Original shell		23.5	23.5			
NMV P340392	DUES-SL136	AP7-003	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A6	Ventral valve	Original shell		28.4	28.4	21.9	11.6	1.297
NMV P340393	DUES-SL137	AP7-004	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A6	Ventral valve	Internal mould		33.8	33.8	29.0		1.166
NMV P340394	DUES-SL138	W-f-003	Idodalen, Spitsbergen	Kapp Starostin Fm.	lf	Ventral valve	Original shell		19.0	19.0	17.5		1.086
NMV P340395	DUES-SL139	W-f-004	Idodalen, Spitsbergen	Kapp Starostin Fm.	lf	Ventral valve	Original shell		21.2	21.2	20.0	11.0	1.060
NMV P340396	DUES-SL140	W-f-005	Idodalen, Spitsbergen	Kapp Starostin Fm.	lf	Ventral valve	Original shell		25.0	25.0	22.5		1.111
NMV P340397	DUES-SL141	W-i-001	Idodalen, Spitsbergen	Kapp Starostin Fm.	li	Ventral valve	Original shell		41.0				
NMV P340398	DUES-SL142	SA7-001	Skansbukta A, Spitsbergen	Kapp Starostin Fm.	SA7	Ventral valve	Original shell		22.1	22.1	20.3	9.8	1.089
NMV P340399	DUES-SL143	SB3-012	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 13A-C	17.8	17.8	15.9	7.1	1.119
NMV P340400	DUES-SL144	SB3-013	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		17.2	17.2	17.8	8.9	0.966
NMV P340401	DUES-SL145	SB3-014	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		19.4	19.4	18.1	8.3	1.072
NMV P340402	DUES-SL146	SB3-015	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		17.9	17.9	18.2		0.984
NMV P340403	DUES-SL147	SB3-016	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		20.1	20.1	18.9	9.2	1.063
NMV P340404	DUES-SL148	SB3-017	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		19.0	19.2	19.8	9.0	0.970
NMV P340405	DUES-SL149	SB3-018	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		18.9	19.3	20.5	9.9	0.941
NMV P340406	DUES-SL150	SB3-019	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		22.5	22.5	22.2	10.8	1.014
NMV P340407	DUES-SL151	SB3-020	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		21.7	21.7	20.1	11.0	1.080
NMV P340408	DUES-SL152	SB3-021	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 13H-I	22.0	24.0	21.1	9.2	1.137
NMV P340409	DUES-SL153	SB3-022	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 13F-G	19.7	19.7	23.5	10.3	0.838
NMV P340410	DUES-SL154	SB3-023	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		22.3	22.3	25.5	12.1	0.875
NMV P340411	DUES-SL155	SB3-024	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		26.2	26.2	25.9	10.7	1.012
NMV P340412	DUES-SL156	SB3-025	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 13N-P	26.4	26.4		12.7	
NMV P340413	DUES-SL157	SB3-026	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		24.9	24.9	26.3	11.9	0.947
NMV P340414	DUES-SL158	SB3-027	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		24.7	24.7	28.2	11.0	0.876
NMV P340415	DUES-SL159	SB3-028	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		27.0	27.0	28.2	14.6	0.957
NMV P340416	DUES-SL160	SB3-029	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 13S-T	36.2	36.2	34.0	13.5	1.065
NMV P340417	DUES-SL161	SB3-030	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		25.9	29.0	32.4	13.9	0.895
NMV P340418	DUES-SL162	SB3-031	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		30.5	33.0	34.1	14.0	0.968
NMV P340419	DUES-SL163	SB3-032	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 13Q-R	33.8	33.8	30.9	14.2	1.094
NMV P340420	DUES-SL164	SB3-033	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 13A'-B'	28.6	28.6	31.2	14.1	0.917
NMV P340421	DUES-SL165	SB3-034	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		29.1	29.1	33.6	15.1	0.866
NMV P340422	DUES-SL166	SB3-035	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		32.2	32.2	34.9	13.9	0.923
NMV P340423	DUES-SL167	SB3-036	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		35.4	35.4	34.7	16.5	1.020
NMV P340424	DUES-SL168	SB3-037	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		29.5	35.0	38.0	17.2	0.921
NMV P340425	DUES-SL169	SB3-038	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		34.6	34.6	36.7	15.4	0.943
NMV P340426	DUES-SL170	SB3-039	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		34.2	34.2	37.8	18.0	0.905
NMV P340427	DUES-SL171	SB3-040	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		31.0	34.0	33.7	17.3	1.009
NMV P340428	DUES-SL172	SB3-041	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		39.2	39.2	42.4	16.7	0.925
NMV P340429	DUES-SL173	SB3-042	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 13V-W	38.9	38.9	42.2	19.0	0.922
NMV P340430	DUES-SL174	SB3-043	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		39.1	39.1	45.0	17.2	0.869
NMV P340431	DUES-SL175	SB3-044	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell		31.4	40.0	43.0	19.0	0.930

NMV P340432	DUES-SL176	F7top-001	Festningen, Spitsbergen	Kapp Starostin Fm.	F7 top	Dorsal valve	Original shell		28.0	34.0	21.7		1.567
NMV P340433	DUES-SL177	F7top-002	Festningen, Spitsbergen	Kapp Starostin Fm.	F7 top	Dorsal valve	Internal mould		37.2	37.2	27.1		1.373
NMV P340434	DUES-SL178	F8-095	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		41.2	41.2	22.6	7.0	1.823
NMV P340435	DUES-SL179	F8-096	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell	Fig. 13H'	38.4	38.4	28.1	8.4	1.367
NMV P340436	DUES-SL180	F8-097	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell	Fig. 13J'-K'	46.5	46.5	31.1	11.4	1.495
NMV P340437	DUES-SL181	F8-098	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		50.0	50.0	29.5	8.1	1.695
NMV P340438	DUES-SL182	F8-099	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		32.5	32.5	21.7	5.0	1.498
NMV P340439	DUES-SL183	F8-100	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		56.0	56.0	37.4	9.0	1.497
NMV P340440	DUES-SL184	F8-101	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		33.0	39.0	25.5	7.8	1.529
NMV P340441	DUES-SL185	F8-102	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		53.0	53.0	40.6	13.8	1.305
NMV P340442	DUES-SL186	F8-103	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		52.0	52.0	39.0	11.0	1.333
NMV P340443	DUES-SL187	F8-104	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		48.7	48.7		7.4	
NMV P340444	DUES-SL188	F8-105	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		34.0	34.0	23.4	7.2	1.453
NMV P340445	DUES-SL189	F8-106	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		41.0	45.0	32.4	7.8	1.389
NMV P340446	DUES-SL190	F8-107	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell		35.0				
NMV P340447	DUES-SL191	F8-108	Festningen, Spitsbergen	Kapp Starostin Fm.	F8	Dorsal valve	Original shell				39.0	10.0	
NMV P340448	DUES-SL192	F9bs-009	Festningen, Spitsbergen	Kapp Starostin Fm.	F9 base	Dorsal valve	Original shell	Fig. 13I'	42.6	42.6	32.5		1.311
NMV P340449	DUES-SL193	F10-002	Festningen, Spitsbergen	Kapp Starostin Fm.	F10	Dorsal valve	Original shell				26.0		
NMV P340450	DUES-SL194	F10-003	Festningen, Spitsbergen	Kapp Starostin Fm.	F10	Dorsal valve	Original shell		33.0	33.0			
NMV P340451	DUES-SL195	T8-009	Trygghamna, Spitsbergen	Kapp Starostin Fm.	T8	Dorsal valve	Original shell		38.7	38.7	26.8	9.5	1.444
NMV P340452	DUES-SL196	T10top-001	Trygghamna, Spitsbergen	Kapp Starostin Fm.	T10 top	Dorsal valve	Original shell		22.0	37.0	21.0		1.762
NMV P340453	DUES-SL197	RP3b-001	Reinodden, Spitsbergen	Kapp Starostin Fm.	R5 middle	Dorsal valve	Original shell		34.6	34.6	26.1		1.326
NMV P340454	DUES-SL198	RP5-001	Reinodden, Spitsbergen	Kapp Starostin Fm.	R7	Dorsal valve	Original shell		30.0	32.0	27.2		1.176
NMV P340455	DUES-SL199	AP2-003	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A3 lower	Dorsal valve	Original shell		22.0	22.0	20.0	6.0	1.100
NMV P340456	DUES-SL200	AP3-001	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A3 middle	Dorsal valve	Original shell		25.5	30.0	18.9		1.587
NMV P340457	DUES-SL201	AP7-005	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A6	Dorsal valve	Original shell		31.2	39.0	22.5		1.733
NMV P340458	DUES-SL202	AP7-006	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A6	Dorsal valve	External mould		20.6	20.6	14.0		1.471
NMV P340459	DUES-SL203	SB3-045	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Dorsal valve	Original shell	Fig. 13C'	29.8	29.8	21.2	5.6	1.406
NMV P340460	DUES-SL204	SB3-046	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Dorsal valve	Original shell		27.1		28.6	4.5	
NMV P340461	DUES-SL205	SB3-047	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Dorsal valve	Original shell		55.0	55.0	39.2		1.403
NMV P340462	Kozhim-GRS001		Kozhim River, Subpolar Ural	Kozhim Fm.	GRS-KR2	Ventral valve	Original shell	Fig. 12S-T	24.0		26.1		
NMV P340463	Kozhim-GRS002		Kozhim River, Subpolar Ural	Kozhim Fm.	GRS-KR4	Ventral valve	Original shell	Fig. 12R	22.1	24.0	24.0	9.0	1.000
NMV P340464	Kozhim-GRS003		Kozhim River, Subpolar Ural	Kozhim Fm.	GRS-KR5	Ventral valve	Original shell	Fig. 12Q	20.6	20.6	19.8		1.040
NMV P340465	Kozhim-GRS004		Kozhim River, Subpolar Ural	Kozhim Fm.	GRS-KR5a	Ventral valve	Original shell		15.2	15.2	14.9	6.3	1.020
NMV P340466	Kozhim-GRS005		Kozhim River, Subpolar Ural	Kozhim Fm.	GRS-KR5a	Ventral valve	Original shell	Fig. 12U-V	28.4	28.4	32.0	14.2	0.888
KOPRIF10003	KOPRIF-SL2015-001		Scheteligfjellet, Spitsbergen	Vøringen Mb.	SF0	Ventral valve	Original shell						
KOPRIF10004	KOPRIF-SL003	SFF04-001	Scheteligfjellet, Spitsbergen	Kapp Starostin Fm.	SF3 lower	Ventral valve	Original shell		25.0	25.0	22.3	9.9	1.121
KOPRIF10005	KOPRIF-SL004	SFF04-002	Scheteligfjellet, Spitsbergen	Kapp Starostin Fm.	SF3 lower	Ventral valve	Original shell		26.0				
KOPRIF10006	KOPRIF-SL005	SFF05-001	Scheteligfjellet, Spitsbergen	Kapp Starostin Fm.	SF3 lower	Ventral valve	Original shell		15.8	15.8	14.0	6.5	1.129
KOPRIF10007	KOPRIF-SL006	SFF08-002	Scheteligfjellet, Spitsbergen	Kapp Starostin Fm.	SF3 upper	Ventral valve	Original shell	Fig. 13J-K	23.1	23.1	21.0	9.2	1.100
KOPRIF10008	KOPRIF-SL007	SFF03-001	Scheteligfjellet, Spitsbergen	Kapp Starostin Fm.	SF3 lower	Dorsal valve	Original shell		12.0	15.0	11.2		1.339
KOPRIF10009	KOPRIF-SL008	SFF07-001	Scheteligfjellet, Spitsbergen	Kapp Starostin Fm.	SF3 upper	Dorsal valve	Original shell		23.5	23.5			

***Spiriferella draschei* (Toula, 1875)**

Registration No.	Previously given No.	Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
								Width	Ad. Width*	Length	Thickness	Ad. W:L	
NHMW 1875/0041/0020		Akseløya, Spitsbergen	Kapp Starostin Fm.		Ventral valve	Original shell	Figs 4I-J, 15A-D	39.0	39.0	45.0	23.5	0.867	Lectotype
PMO A26116		Bünsowland, Spitsbergen	Kapp Starostin Fm.		Conjoined shell	Original shell	Fig. 15M-P	45.3	45.3	56.0	22.0 (22.3)	0.809	
PMO 234.049		Skansbukta, Spitsbergen	Kapp Starostin Fm.		Conjoined shell	Original shell	Fig. 15E-H	49.0					
PMO 234.050		Skansbukta, Spitsbergen	Kapp Starostin Fm.		Ventral valve	Original shell	Fig. 15I-K	44.5	44.5	54.1	29.3	0.823	
PMO 234.051		Skansbukta, Spitsbergen	Kapp Starostin Fm.		Ventral valve	Original shell	Fig. 15L	47.6	47.6	48.2	18.0	0.988	
PMO 234.052		Bünsowland, Spitsbergen	Kapp Starostin Fm.		Ventral valve	Original shell	Fig. 16E-H	41.5	41.5	54.3	25.0	0.764	

NMV P340467	DUES-SL035	SB1-008	Skansbukta B, Spitsbergen	Vøringen Mb.	SB1	Ventral valve	Original shell		55.8	65.6	53.4	24.5	1.228	Serially sectioned
NMV P340468	DUES-SL036	SB3-005	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Figs 14, 16M-N	49.5	49.5	56.1	23.2	0.882	
NMV P340469	DUES-SL037	SB3-006	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 16J	57.9	66.0	64.0	24.0	1.031	
NMV P340470	DUES-SL038	SB3-007	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 16L	58.1	58.1	58.9	24.8	0.986	
NMV P340471	DUES-SL039	SB3-008	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell	Fig. 16C-D						
NMV P340472	DUES-SL040	SB3-009	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell							
NMV P340473	DUES-SL041	S1-017	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell	Fig. 16K	53.0	53.0	70.5	26.7	0.752	
KOPRIF10010	KOPRIF-SL2015-002		Skanbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell	Fig. 16A-B	46.1	46.1	46.0	24.5	1.002	
KOPRIF10011	KOPRIF-SL2015-003		Skanbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell	Fig. 16I	49.6	49.6	50.0	24.3	0.992	
KOPRIF10012	KOPRIF-SL2015-004		Scheteligfjellet, Spitsbergen	Vøringen Mb.	SF0	Ventral valve	Original shell		36.1	36.1	43.0		0.840	

***Spiriferella protodraschei* sp. nov. Lee & Shi**

Registration No.	Previously given No.		Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
									Width	Ad. Width*	Length	Thickness	Ad. W:L	
NMV P340474	DUES-SL034	SA1-033	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Conjoined shell	Original shell	Figs 17, 18A-E	52.7	52.7	47.2	29.7 (41.8)	1.117	Holotype, serially sectioned
NMV P340475	DUES-SL033	W-a-003	Idodalen, Spitsbergen	Vøringen Mb.	la	Ventral valve	Original shell	Fig. 18F-G	38.7	38.7		14.0		

***Spiriferella* cf. *S. interplicata* (Rothpletz, 1892)**

Registration No.	Previously given No.	Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
								Width	Ad. Width*	Length	Thickness	Ad. W:L	
NMV P340476	Kozhim-GRS009	Kozhim River, Subpolar Ural	Kozhim Rudnik Fm.	GRS-KR10	Conjoined shell	Original shell	Fig. 18W-A'	22.1	22.1	21.6	8.2 (13.0)	1.023	

***Spiriferella* sp.**

Registration No.	Previously given No.		Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
									Width	Ad. Width*	Length	Thickness	Ad. W:L	
NMV P340477	DUES-SL206	AP2-001	Ahlstrandodden, Spitsbergen	Kapp Starostin Fm.	A3 lower	Ventral valve	Original shell	Fig. 18H-K	46.5	46.5	44.8		1.038	
NMV P340478	DUES-SL207	SB3-010	Skansbukta B, Spitsbergen	Kapp Starostin Fm.	SB9	Ventral valve	Original shell				60.0			

***Eridmatus talbeicus* (Ifanova, 1972)**

Registration No.	Previously given No.	Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
								Width	Ad. Width*	Length	Thickness	Ad. W:L	
PMO 234.053		Hambergfjellet, Bjørnøya	Hambergfjellet Fm.		Conjoined shell	Original shell	Fig. 18U-V	27.0	27.0		16.0 (26.1)		
PMO 234.054		Hambergfjellet, Bjørnøya	Hambergfjellet Fm.		Ventral valve	Original shell		21.0	26.0				
NMV P340479	Kozhim-GRS006	Kozhim River, Subpolar Ural	Kozhim Rudnik Fm.	GRS-KR10	Conjoined shell	Original shell	Fig. 18L-N	22.2	24.0	30.3	13.0 (20.5)	0.792	
NMV P340480	Kozhim-GRS007	Kozhim River, Subpolar Ural	Kozhim Rudnik Fm.	GRS-KR10	Conjoined shell	Original shell	Fig. 18O-R	25.2	25.2	29.1	11.2 (18.5)	0.866	
NMV P340481	Kozhim-GRS008	Kozhim River, Subpolar Ural	Kozhim Rudnik Fm.	GRS-KR10	Dorsal valve	Original shell	Fig. 18S-T	28.2	28.2	30.0		0.940	

***Arcullina polaris* (Wiman, 1914)**

Registration No.	Previously given No.		Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
									Width	Ad. Width*	Length	Thickness	Ad. W:L	
PMO 234.055			Hambergfjellet, Bjørnøya	Hambergfjellet Fm.		Ventral valve	Original shell	Fig. 21Z	18.1	18.1	18.0	10.3	1.006	
PMO 234.056			Hambergfjellet, Bjørnøya	Hambergfjellet Fm.		Ventral valve	Original shell	Fig. 21A'	19.6	20.2	21.5	9.4	0.940	
PMO 234.057			Hambergfjellet, Bjørnøya	Hambergfjellet Fm.		Ventral valve	Original shell	Fig. 21B'	21.2			10.4		
PMO 234.058			Hambergfjellet, Bjørnøya	Hambergfjellet Fm.		Ventral valve	Original shell	Fig. 21C'	22.6	24.0	25.7	9.0	0.934	
PMO 234.059			Hambergfjellet, Bjørnøya	Hambergfjellet Fm.		Ventral valve	Original shell	Fig. 21D'-F'	25.1	25.1	29.8	13.4	0.842	
PMO 234.060			Skansbukta, Spitsbergen	Kapp Starostin Fm.		Ventral valve	Original shell		43.1	43.1	47.9	24.1	0.900	
PMO A26051			Gipshuken, Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		45.5	45.5	52.9	20.4	0.860	
PMO A9885			Skansbukta(?), Spitsbergen	Kapp Starostin Fm.		Dorsal valve	Original shell	Fig. 21I	11.2	11.2	10.1		1.109	
NMV P340482	DUES-SL208	F1-002	Festningen, Spitsbergen	Vøringen Mb.	F1	Ventral valve	Original shell	Figs 20, 21V-Y	40.1	40.1	42.7	18.3	0.939	Serially sectioned
NMV P340483	DUES-SL209	T1-006	Trygghamna, Spitsbergen	Vøringen Mb.	T1	Ventral valve	Original shell	Fig. 21S	31.6	31.6	38.4	19.5	0.823	
NMV P340484	DUES-SL210	R1-004	Reinodden, Spitsbergen	Vøringen Mb.	R1	Ventral valve	Original shell	Fig. 21Q-R	35.6	42.2	45.0	16.5	0.938	
NMV P340485	DUES-SL211	R1-005	Reinodden, Spitsbergen	Vøringen Mb.	R1	Ventral valve	Original shell				25.3	13.6		
NMV P340486	DUES-SL212	W-a-002	Idodalen, Spitsbergen	Vøringen Mb.	la	Ventral valve	Original shell		39.0	45.0	45.2	19.2	0.996	
NMV P340487	DUES-SL213	SA1-028	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell	Fig. 21U	47.6	47.6	51.4	24.2	0.926	

NMV P340488	DUES-SL214	SA1-029	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		44.9	44.9	45.2	25.9	0.993
NMV P340489	DUES-SL215	SA1-030	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		36.1	36.1	41.1	19.8	0.878
NMV P340490	DUES-SL216	SA1-031	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell	Fig. 21E-H	34.3	34.3	35.5	16.0	0.966
NMV P340491	DUES-SL217	SB1-001	Skansbukta B, Spitsbergen	Vøringen Mb.	SB1	Ventral valve	Original shell		51.4	51.4	52.1	22.1	0.987
NMV P340492	DUES-SL218	SB1-002	Skansbukta B, Spitsbergen	Vøringen Mb.	SB1	Ventral valve	Original shell		56.1	56.1	54.0	29.2	1.039
NMV P340493	DUES-SL219	SB1-003	Skansbukta B, Spitsbergen	Vøringen Mb.	SB1	Ventral valve	Original shell		44.9	44.9	50.2	25.9	0.894
NMV P340494	DUES-SL220	SB1-004	Skansbukta B, Spitsbergen	Vøringen Mb.	SB1	Ventral valve	Original shell		34.4	35.6	43.1	17.2	0.826
NMV P340495	DUES-SL221	SB1-005	Skansbukta B, Spitsbergen	Vøringen Mb.	SB1	Ventral valve	Original shell		41.7	41.7	49.1	20.6	0.849
NMV P340496	DUES-SL222	SB1-006	Skansbukta B, Spitsbergen	Vøringen Mb.	SB1	Ventral valve	Original shell		50.2	50.2	49.8	21.7	1.008
NMV P340497	DUES-SL223	SB1-007	Skansbukta B, Spitsbergen	Vøringen Mb.	SB1	Ventral valve	Original shell		37.9	37.9	38.1	16.2	0.995
NMV P340498	DUES-SL224	S1-009	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell	Fig. 21A-D	31.9	31.9	34.1	15.9	0.935
NMV P340499	DUES-SL225	S1-010	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell	Fig. 21L-O	41.9	41.9	46.5	21.2	0.901
NMV P340500	DUES-SL226	S1-011	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		43.0	43.0	45.9	22.1	0.937
NMV P340501	DUES-SL227	S1-012	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		34.1	34.1	36.2	19.4	0.942
NMV P340502	DUES-SL228	S1-013	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		44.3	44.3	45.2	20.0	0.980
NMV P340503	DUES-SL229	S1-014	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell	Fig. 21T	40.9	40.9	46.1	22.9	0.887
NMV P340504	DUES-SL230	S1-015	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		37.0	40.4	44.8	17.6	0.902
NMV P340505	DUES-SL231	S1-016	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		39.2	39.2	44.9	24.2	0.873
NMV P340506	DUES-SL232	SA1-032	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Dorsal valve	Original shell	Fig. 21J-K	25.2	25.2	18.6	10.5	1.355
KOPRIF10013	KOPRIF-SL2015-005		Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell	Fig. 21P	24.1	26.0	21.0		1.238
KOPRIF10014	KOPRIF-SL2015-006		Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		37.1	37.1	39.7		0.935
KOPRIF10015	KOPRIF-SL2015-007		Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		34.8	34.8			
KOPRIF10016	KOPRIF-SL2015-008		Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		29.5	34.0	40.3	20.3	0.844
KOPRIF10017	KOPRIF-SL2015-009		Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		29.0			17.5	
KOPRIF10018	KOPRIF-SL2015-010		Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		37.0	40.0	42.0	16.5	0.952
KOPRIF10019	KOPRIF-SL2015-011		Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		22.0				
KOPRIF10020	KOPRIF-SL2015-012		Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		26.9				

***Arcullina? enokiani* sp. nov. Lee & Shi**

Registration No.	Previously given No.	Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
								Width	Ad. Width*	Length	Thickness	Ad. W:L	
NMV P340507	Kozhim-GRS010	Kozhim River, Subpolar Ural	Kozhim Fm.	GRS-KR3	Ventral valve	Originall shell	Fig. 22I-K	66.0	66.0	72.0	43.0	0.917	Holotype
NMV P340508	Kozhim-GRS011	Kozhim River, Subpolar Ural	Kozhim Fm.	GRS-KR3	Ventral valve	Originall shell	Fig. 22G-H	70.0	72.0	64.0		1.125	Paratype
NMV P340509	Kozhim-GRS012	Kozhim River, Subpolar Ural	Kozhim Fm.	GRS-KR3	Ventral valve	Originall shell	Fig. 22A-B	16.0	19.0	11.5		1.652	
NMV P340510	Kozhim-GRS013	Kozhim River, Subpolar Ural	Kozhim Rudnik Fm.	GRS-KR8	Ventral valve	Originall shell	Fig. 22C	20.5		23.5			
NMV P340511	Kozhim-GRS014	Kozhim River, Subpolar Ural	Kozhim Rudnik Fm.	GRS-KR8	Ventral valve	Originall shell	Fig. 22D	22.3	22.3	16.5		1.352	
NMV P340512	Kozhim-GRS015	Kozhim River, Subpolar Ural	Kozhim Rudnik Fm.	GRS-KR8	Ventral valve	Originall shell	Fig. 22E	21.0	22.0	14.0		1.571	
NMV P340513	Kozhim-GRS016	Kozhim River, Subpolar Ural	Kozhim Rudnik Fm.	GRS-KR8	Dorsal valve	Originall shell	Fig. 22F	16.0	22.0	12.0		1.833	

***Timaniella wilczeki* (Toula, 1873)**


Registration No.	Previously given No.		Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
									Width	Ad. Width*	Length	Thickness	Ad. W:L	
NHMW 2017/0119/0001	NHMW 1886/0007/0004-1		Sørkapp(?), Spitsbergen	Tokrossøya Fm.		Ventral valve	External mould	Fig. 25A	45.7	45.7	23.4		1.953	Lectotype
NHMW 2017/0119/0002	NHMW 1886/0007/0004-1		Sørkapp(?), Spitsbergen	Tokrossøya Fm.		Ventral valve	Internal mould	Fig. 25B						Counterpart of lectotype
PMO A9880			Tempelfjellet, Spitsgergen	Kapp Starostin Fm.		Conjoined shell	Originall shell	Fig. 25J-N	61.2	64.0	42.3	18.0 (33.5)	1.513	
PMO 227.384			Skansbukta, Spitsbergen	Kapp Starostin Fm.		Conjoined shell	Originall shell	Fig. 26A-B	53.2	56.0	36.1		1.551	
NMV P340514	DUES-SL233	SA1-001	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Conjoined shell	Original shell	Fig. 25D-H	63.4	66.2	41.3	20.9 (38.7)	1.603	
NMV P340515	DUES-SL234	SA1-002	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Conjoined shell	Original shell	Fig. 24	61.9	61.9	37.6	19.0 (35.8)	1.646	Serially sectioned
NMV P340516	DUES-SL235	SA1-003	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Conjoined shell	Original shell		67.8	71.2	37.8	17.1 (31.0)	1.884	
NMV P340517	DUES-SL236	SA1-004	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Conjoined shell	Original shell				40.1	13.0 (20.9)		
NMV P340518	DUES-SL237	F1-001	Festningen, Spitsbergen	Vøringen Mb.	F1	Ventral valve	Original shell		47.6	49.2	33.5	11.6	1.469	
NMV P340519	DUES-SL238	T1-004	Trygghamna, Spitsbergen	Vøringen Mb.	T1	Ventral valve	Original shell		63.7	63.7		14.0		
NMV P340520	DUES-SL239	R1-001	Reinodden, Spitsbergen	Vøringen Mb.	R1	Ventral valve	Original shell	Fig. 26D-F	75.5	82.4	45.6	16.5	1.807	

NMV P340521	DUES-SL240	R1-002	Reinodden, Spitsbergen	Vøringen Mb.	R1	Ventral valve	Original shell		42.3	45.0	26.5	10.5	1.698
NMV P340522	DUES-SL241	AP1-001	Ahlstrandodden, Spitsbergen	Vøringen Mb.	A1	Ventral valve	Original shell		44.5	58.2			
NMV P340523	DUES-SL242	AP1-002	Ahlstrandodden, Spitsbergen	Vøringen Mb.	A1	Ventral valve	Original shell		43.1			13.0	
NMV P340524	DUES-SL243	W-a-001	Idodalen, Spitsbergen	Vøringen Mb.	la	Ventral valve	Original shell	Fig. 25I	51.7	51.7	32.4	14.0	1.596
NMV P340525	DUES-SL244	SA1-005	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		68.8	69.2	43.0	14.9	1.609
NMV P340526	DUES-SL245	SA1-006	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell	Fig. 25C	66.9	66.9	43.5	16.7	1.538
NMV P340527	DUES-SL246	SA1-007	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		68.1	70.2	38.9	15.2	1.805
NMV P340528	DUES-SL247	SA1-008	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		66.6	72.0	42.4	17.0	1.698
NMV P340529	DUES-SL248	SA1-009	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		78.2	78.2	46.1	16.3	1.696
NMV P340530	DUES-SL249	SA1-010	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell				42.3		
NMV P340531	DUES-SL250	SA1-011	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		58.1	71.8	36.0	12.8	1.994
NMV P340532	DUES-SL251	SA1-012	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		47.9	58.0	33.9	14.9	1.711
NMV P340533	DUES-SL252	SA1-013	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell				44.0		
NMV P340534	DUES-SL253	SA1-014	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		51.0	67.2	42.2	17.5	1.592
NMV P340535	DUES-SL254	SA1-015	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		47.6	47.6	29.5	12.4	1.614
NMV P340536	DUES-SL255	SA1-016	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		31.5	38.0	22.1	10.0	1.719
NMV P340537	DUES-SL256	SA1-017	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		45.8	49.0	31.9	12.0	1.536
NMV P340538	DUES-SL257	SA1-018	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		51.9	51.9	32.8	11.2	1.582
NMV P340539	DUES-SL258	SA1-019	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		53.0				
NMV P340540	DUES-SL259	SA1-020	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		75.8	80.0			
NMV P340541	DUES-SL260	SA1-021	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		63.8	63.8	35.9	17.5	1.777
NMV P340542	DUES-SL261	SA1-022	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		65.1	65.1	36.2	16.9	1.798
NMV P340543	DUES-SL262	SA1-027	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		66.2	66.2	49.5	17.0	1.337
NMV P340544	DUES-SL263	S1-001	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		56.1	56.1	35.5	18.0	1.580
NMV P340545	DUES-SL264	S1-002	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		58.8	58.8	35.9	13.4	1.638
NMV P340546	DUES-SL265	S1-003	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell	Fig. 26C	48.2	54.6	24.0	10.0	2.275
NMV P340547	DUES-SL266	S1-004	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		49.2	62.2	32.3	11.9	1.926
NMV P340548	DUES-SL267	S1-005	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		58.4	63.6	36.4	12.7	1.747
NMV P340549	DUES-SL268	S1-006	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		36.0	42.2	24.9	10.2	1.695
NMV P340550	DUES-SL269	S1-007	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		56.1	59.8	44.5	16.5	1.344
NMV P340551	DUES-SL270	S1-008	Skansen(?), Spitsbergen	Vøringen Mb.		Ventral valve	Original shell		52.0		42.6	11.4	
NMV P340552	DUES-SL271	SA1-023	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		31.5	60.0	31.5		1.905
NMV P340553	DUES-SL272	SA1-024	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Dorsal valve	Original shell		51.0	62.6	34.2	15.5	1.830
NMV P340554	DUES-SL273	SA1-025	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Dorsal valve	Original shell	Fig. 26G-H	59.6		36.5	13.1	
NMV P340555	DUES-SL274	SA1-026	Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Dorsal valve	Original shell		24.2	32.0	17.2	7.0	1.860
KOPRIF10021	KOPRIF-SL2015-013		Scheteligfjellet, Spitsbergen	Vøringen Mb.	SF0	Ventral valve	Original shell		31.2	36.0			
KOPRIF10022	KOPRIF-SL2015-014		Scheteligfjellet, Spitsbergen	Vøringen Mb.	SF0	Dorsal valve	Original shell		31.5				
KOPRIF10023	KOPRIF-SL2015-015		Skansbukta A, Spitsbergen	Vøringen Mb.	SA1	Ventral valve	Original shell		32.0				

***Timaniella harkeri* Waterhouse in Bamber & Waterhouse, 1971**

Registration No.	Previously given No.	Locality / section	Formation	Bed (Horizon)	Shell/Valve	Preservation	Figure	Measure (mm)					Note
								Width	Ad. Width*	Length	Thickness	Ad. W:L	
NMV P340556	GSC26406-SL007	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Conjoined shell	Originall shell	Figs 27, 28W-A'	39.2	40.4	21.1	8.8 (15.3)	1.915	Micro-CT scanned
NMV P340557	GSC26406-SL008	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Conjoined shell	Originall shell	Fig. 28B'-D'	38.9	38.9	27.8	10.0 (16.6)	1.399	Sectioned
NMV P340558	GSC26406-SL009	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Conjoined shell	Originall shell	Fig. 28E'-F'	53.4	53.4	26.6	9.8 (15.4)	2.008	
NMV P340559	GSC26406-SL010	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Conjoined shell	Originall shell		48.3	48.3	32.4	12.7 (17.3)	1.491	
NMV P340560	GSC26406-SL011	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Ventral valve	Originall shell	Fig. 28A-C	19.8	19.8	12.2	6.2	1.623	
NMV P340561	GSC26406-SL012	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Ventral valve	Originall shell	Fig. 28D-G	26.9	26.9	13.6	7.6	1.978	
NMV P340562	GSC26406-SL013	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Ventral valve	Originall shell	Fig. 28H-J	30.2	30.2	19.6	7.4	1.541	
NMV P340563	GSC26406-SL014	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Ventral valve	Originall shell	Fig. 28K-M	33.1	33.1	20.1	8.4	1.647	
NMV P340564	GSC26406-SL015	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Ventral valve	Originall shell		32.5	32.5	21.1	7.2	1.540	
NMV P340565	GSC26406-SL016	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Ventral valve	Originall shell	Fig. 28N-P	35.0	35.0	21.9	8.6	1.598	

NMV P340566	GSC26406-SL017	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Ventral valve	Originall shell	Fig. 28Q-S	37.7	37.7	21.7	8.5	1.737
NMV P340567	GSC26406-SL018	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Ventral valve	Originall shell	Fig. 28T-V	40.7	45.0	19.1	7.6	2.356
NMV P340568	GSC26406-SL019	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Ventral valve	Originall shell		32.3	35.0	19.9	8.1	1.759
NMV P340569	GSC26406-SL020	Grinnell Peninsula, Devon Island	Assistance Fm.	GSC26406	Ventral valve	Originall shell		35.4	38.5	21.7	7.9	1.774


dorsal valve