

Checklist of dinoflagellate species in various habitats of Crimea

(I — Black Sea coast of western Crimea; II — Black Sea coast of southeastern Crimea; III — the Kerch Strait; IV — Azov Sea coast of Crimea; V — various habitats in Crimea; r — remark; * — species requires more investigation; orig. d. — original data)

№	Species	r	Crimea regions (land and sea)				
			I	II	III	IV	V
1	<i>Akashiwo sanguinea</i> (K.Hirasaka) G.I.Hansen & Moestrup = <i>Gymnodinium sanguineum</i> K.Hirasaka ; <i>Gymnodinium splendens</i> M.Lebour		3, 10, 42, 68, 129, 273, 293, orig. d.	10, 24, 57, 181, 276, 296, orig. d.		157, 268	269
2	<i>Alexandrium ostenfeldii</i> (Paulsen) Balech & Tangen = <i>Goniodoma ostenfeldii</i> Paulsen		18, orig. d.	orig. d.			
3	<i>Amphidinium aculeatum</i> Daday (as <i>Amphidinium aculeatum</i> Schröd.)		18, orig. d.				
4	<i>Amphidinium acutissimum</i> J.Schiller		10	10, 24, 276			
5	<i>Amphidinium flagellans</i> J.Schiller	*	217				
6	<i>Amphidinium klebsii</i> Kof. & Swezy			10, 276			
7	<i>Amphidinium klebsii</i> f. <i>ponticum</i> Roukh.	*	69				
8	<i>Amphidinium klebsii</i> f. <i>minus</i> Carter	*					191
9	<i>Amphidinium longum</i> Lohmann		10, orig. d.	10, 24, 276, orig. d.			
10	<i>Amphidinium operculatum</i> Clap. & J.Lachm.		13	10, 24, 276			
11	<i>Amphidinium operculatum</i> f. <i>minutum</i> (Massart) Litvin.	*					157
12	<i>Amphidinium ovum</i> Herdman		3, 18				
13	<i>Amphidinium rhynchocephalum</i> Anisimova			276		157	269
14	<i>Amphidinium sphenoides</i> A. Wulff		10	10, 276			
15	<i>Amylax triacantha</i> (O.Jørg.) Sournia = <i>Gonyaulax triacantha</i> O.Jørg.	*	18				
16	<i>Apocalathium aciculiferum</i> (Lemmerm.) Craveiro, Daugbjerg, Moestrup & Calado = <i>Peridinium aciculiferum</i> Lemmerm.	*	10				
17	<i>Biecheleria ordinata</i> (Skuja) Moestrup = <i>Woloszynskia ordinata</i> (Skuja) R.H.Thomps.	*					157
18	<i>Ceratium candelabrum</i> (Ehrenb.) F.Stein			10, 276			
19	<i>Ceratium extensum</i> (Gourret) Cleve	*	18				
20	<i>Ceratium falcatum</i> (Kof.) E.G.Jørg.			10, 276			

table continuation

№	Species	n	Crimea regions (land and sea)				
			I	II	III	IV	V
21	<i>Ceratium furca</i> (Ehrenb.) Clap. & J.Lachm.; <i>Neoceratium furca</i> (Ehrenb.) Gómez, Moreira & López-Garcia, nom. inval.		3, 10, 13, 18, 22, 59, 68, 78, 89, 101, 103, 129, 217, 224, 260, 278, orig. d.	10, 54, 55, 57, 105, 116, 181, 276, 285, 296, orig. d.	22, 110, 119, 123, orig. d.		
22	<i>Ceratium furca</i> var. <i>eugrammum</i> (Ehrenb.) J.Schiller		10	10, 24, 276			
23	<i>Ceratium fusus</i> (Ehrenb.) Dujardin; <i>Neoceratium fusus</i> (Ehrenb.) Gómez, Moreira & López-Garcia, nom. inval.		3, 10, 13, 18, 22, 59, 68, 78, 89, 101, 103, 129, 217, 224, 260, 278, orig. d.	10, 54, 55, 57, 105, 276, 296, 280, 116, 181, orig. d.	22, 110, 119, 123, orig. d.		
24	<i>Ceratium fusus</i> var. <i>strictus</i> Okamura & Nishikawa = <i>Ceratium strictum</i> (Okamura & Nishikawa) Kof., nom. inval.	*	68				
25	<i>Ceratium hircus</i> Schröd.			10, 276			
26	<i>Ceratium hirundinella</i> (O.Müll.) Dujardin	*					279
27	<i>Ceratium inflatum</i> (Kof.) E.G.Jørg.		68	10, 276,			
28	<i>Ceratium lineatum</i> (Ehrenb.) Cleve		10	10, 276			
29	<i>Ceratium macroceros</i> (Ehrenb.) Vanhöffen			10, 276			
30	<i>Ceratium minutum</i> O.Jørg.	*	10	10			
31	<i>Ceratium pentagonum</i> Gourret		10	24, 276			
32	<i>Ceratium tripos</i> (O.Müll.) Nitzsch; <i>Neoceratium tripos</i> (O.Müll.) Gómez, Moreira & López-Garcia, nom. inval.		3, 10, 13, 18, 22, 59, 89, 101, 103, 129, 217, 260, 278, orig. d.	10, 54, 55, 57, 105, 116, 276, 280, 285, 296, orig. d.	123		
33	<i>Cladopyxis brachiolata</i> F.Stein	*		10			
34	<i>Cochlodinium adriaticum</i> (J.Schiller) J.Schiller = <i>Gyrodinium adriaticum</i> J.Schiller		10, 68, 78, 217	10, 276			
35	<i>Cochlodinium archimedis</i> (C.H.G.Pouchet) Lemmerm.		10, 18, 23, 217	10, 24, 276			
36	<i>Cochlodinium brandtii</i> A.Wulff		3, 10	10			
37	<i>Cystodinium bataviense</i> G.A.Klebs	*	10				
38	<i>Dinophysis acuminata</i> Clap. & J.Lachm.		10, 18, 129, 281, 286, orig. d.	116, 276, orig. d.			
39	<i>Dinophysis acuta</i> Ehrenb.		3, 10, 18, 129	10, 54, 55, 105, 276, orig. d.			
40	<i>Dinophysis apiculata</i> Meunier	*		10			

table continuation

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			I	II	III	IV	V
41	<i>Dinophysis arctica</i> Mereschk.		13, 18, 129				
42	<i>Dinophysis caudata</i> W.S.Kent = <i>Dinophysis homuncula</i> F.Stein		3, 10, 18, 22, 78, 101, 129, 286, orig. d.	10, 54, 55, 105, 276, 296, orig. d.	123		
43	<i>Dinophysis fortii</i> Pavill.		10, 129, 286, orig. d.	10, 24, 57, 276, orig. d.			
44	<i>Dinophysis hastata</i> F.Stein		18, 129	10, 54, 105, 276			
45	<i>Dinophysis odiosa</i> (Pavill.) L.S.Tai & Skogsb.		10, 42, 129	orig. d.			
46	<i>Dinophysis ovata</i> Clap. & J.Lachm.		13, 18, 101				
47	<i>Dinophysis ovum</i> F.Schütt		3, 10, 18, 78, 129	10, 24, 57, 116, 276	123	268	
48	<i>Dinophysis pulchella</i> (M.Lebour) Balech = <i>Phalacroma pulchellum</i> M.Lebour		18	10, 24, 116, 276			
49	<i>Dinophysis rudgei</i> (G.Murr. & Whitting) T.H.Abé = <i>Phalacroma rudgei</i> G.Murr. & Whitting	*	18				
50	<i>Dinophysis sacculus</i> F.Stein		3, 10, 18, 22, 89, 129, 260	10, 24, 276, 296, orig. d.	22, 123, orig. d.	157, 268	
51	<i>Dinophysis schuettii</i> G.Murr. & Whitting	*	39				
52	<i>Dinophysis sphaerica</i> F.Stein		orig. d.	10, orig. d.			
53	<i>Dinophysis sphaeroidea</i> (J.Schiller) Balech = <i>Phalacroma sphaeroideum</i> J.Schiller; <i>Dinophysis schilleri</i> Sournia, nom. illeg.		10, 18	10, 276, orig. d.	orig. d.		
54	<i>Dinophysis tripos</i> Gourret	*	18				
55	<i>Diplopsalis lenticula</i> Bergh = <i>Glenodinium lenticula</i> Pouchet		3, 10, 18, 22, 68, 78, 101, 129, 260, 273, 294, orig. d.	10, 23, 54, 55, 57, 105, 116, 276, 296	22, 110, 123	268	269
56	<i>Diplopsalis lenticula</i> var. <i>globularis</i> Kisselev	*	10				
57	<i>Diplopsalopsis orbicularis</i> (Paulsen) Meunier = <i>Peridinium orbiculare</i> Paulsen		18, 129				
58	<i>Durinskia agilis</i> (Kof. & Swezy) Saburova, Chomérat & Hoppenrath = <i>Gymnodinium agile</i> Kof. & Swezy		18, 68, orig. d.	orig. d.			
59	<i>Durinskia oculata</i> (F.Stein) G.I.Hansen & Flaim = <i>Glenodinium oculatum</i> F.Stein; <i>Peridiniopsis oculata</i> (F.Stein) Bourr.		101	10, 24, 276			
60	<i>Ensiculifera carinata</i> Matsuoka, Kobayashi & Gains	*		285			

table continuation

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			I	II	III	IV	V
61	<i>Glenodiniopsis steinii</i> Wołosz. = <i>Glenodinium cinctum</i> Ehrenb.	*	101				
62	<i>Glenodinium obliquum</i> C.H.G.Pouchet		18	orig. d.			
63	<i>Glenodinium paululum</i> Er.Lindem.		3, 10, 18, 26, 129, 191, 217, 220, 260, orig. d.	10, 24, 57, 276, 296, orig. d.	110, 119, 123, orig. d.		269
64	<i>Glenodinium pilula</i> (Ostenf.) J.Schiller = <i>Diplopsalis pilula</i> Ostenf.		10, 18, 89, 129, 217, 280, 299, orig. d.	orig. d.			
65	<i>Glenodinium pulvisculus</i> (Ehrenb.) F.Stein	*	101				
66	<i>Gonyaulax clevei</i> Ostenf. = <i>Gonyaulax apiculata</i> Entz	*	129				
67	<i>Gonyaulax cochlea</i> Meunier		68, 129				
68	<i>Gonyaulax diegensis</i> Kof.		10, 18			287	
69	<i>Gonyaulax digitalis</i> (C.H.G.Pouchet) Kof.		18, 68, 129, 217, orig. d.	10, 54, 55, 105, 116, 276, orig. d.	orig. d.		
70	<i>Gonyaulax gracilis</i> J.Schiller	*		10, 276			
71	<i>Gonyaulax minima</i> Matzen.		10, 78, 129, orig. d.	10, 276, orig. d.	110, 123		
72	<i>Gonyaulax orientalis</i> Er.Lindem.	*		10			
73	<i>Gonyaulax polygramma</i> F.Stein		3, 10, 18, 101, 129	10, 54, 55, 105, 276, orig. d.			
74	<i>Gonyaulax scrippsae</i> Kof.		68, 129	10, 54, 55, 105, 276		268	
75	<i>Gonyaulax spinifera</i> (Clap. & J.Lachm.) Diesing = <i>Peridinium spiniferum</i> Clap. & J.Lachm.		10, 13, 18, 129, 217, 260, orig. d.	10, 54, 55, 105, 116, 181, 276	123	157, 268	
76	<i>Gymnodinium agiliforme</i> J.Schiller		3, 10, 18, 129, 217, orig. d.	10, 24, 276, orig. d.			
77	<i>Gymnodinium arcticum</i> A.Wulff		10	10, 276			
78	<i>Gymnodinium aureolum</i> (Hulburt) G.I.Hansen = <i>Gyrodinium aureolum</i> Hulburt	*	68				
79	<i>Gymnodinium fuscum</i> (Ehrenb.) F.Stein	*	3				
80	<i>Gymnodinium kowalevskii</i> Pitzik		10, 283, 286, orig. d.	10, 24, 276, orig. d.			
81	<i>Gymnodinium lacustre</i> J.Schiller		129, orig. d.				

table continuation

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82	<i>Gymnodinium lanskoi</i> Roukh.	*	10				
83	<i>Gymnodinium minor</i> M.Lebour	*		10			
84	<i>Gymnodinium najadeum</i> J.Schiller		3, 10, 18, 68, 129, 217, orig. d.	10, 24, 57, 181, 276, orig. d.		157	
85	<i>Gymnodinium neapolitanum</i> J.Schiller		3, 18				
86	<i>Gymnodinium rhomboides</i> F.Schütt		18, 217, orig. d.	10, 23, 24, 276,			
87	<i>Gymnodinium variabile</i> Herdman		129, 217, orig. d.	10, 276, orig. d.			
88	<i>Gymnodinium wulfii</i> J.Schiller		3, 10, 129, 217, 220, 283, 286, orig. d.	10, 24, 276, orig. d.	110, 119, 120, 123		
89	<i>Gyrodinium cornutum</i> (C.H.G.Pouchet) Kof. & Swezy		26, 68, 129				
90	<i>Gyrodinium fusiforme</i> Kof. & Swezy		3, 10, 129, 217, 224, 260, 285, orig. d.	10, 24, 57, 276, 296, orig. d.	123		269
91	<i>Gyrodinium helveticum</i> (Penard) Y.Takano & T. Horiguchi = <i>Glenodinium apiculatum</i> Zacharias		18	10, 24, 276			
92	<i>Gyrodinium lacryma</i> (Meunier) Kof. & Swezy		10, 129	10, 24, 276, orig. d.			
93	<i>Gyrodinium pingue</i> (F.Schütt) Kof. & Swezy		3, 10, 129, 217, 224, orig. d.	10, 24, 57, 116, 276, orig. d.		268	
94	<i>Gyrodinium pusillum</i> (A.J.Schill.) Kof. & Swezy			10, 24, 276			
95	<i>Gyrodinium spirale</i> (Bergh) Kof. & Swezy = <i>Spirodinium spirale</i> Entz	*	18				
96	<i>Herdmania litoralis</i> J.D.Dodge	*	3				
97	<i>Heterocapsa rotundata</i> (Lohmann) G.I.Hansen = <i>Katodinium rotundatum</i> (Lohmann) A.R.Loebli.; <i>Massartia rotundata</i> (Lohmann) J.Schiller		10, 294	10, 116, 276, 296			
98	<i>Heterocapsa umbilicata</i> F.Stein	*	101				
99	<i>Huia caspica</i> (Ostenf.) H.F.Gu, K.N.Mertens, T.T.Liu = <i>Glenodinium caspicum</i> (Ostenf.) J.Schiller	*		23			
100	<i>Kapelodinium vestifici</i> (F.Schütt) Boutrup, Moestrup & Daugbjerg = <i>Amphidinium extensum</i> A.Wulff		10, 129, 217	10, orig. d.			
101	<i>Kryptoperidinium foliaceum</i> (F.Stein) Er.Lindem. = <i>Glenodinium foliaceum</i> F.Stein		3, 10, 18, 101	10			

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			I	II	III	IV	V
102	<i>Kryptoperidinium foliaceum</i> var. <i>ponticum</i> (Roukh.) Krakhm. = <i>Glenodinium foliaceum</i> var. <i>ponticum</i> Roukh.		10, 98				
103	<i>Kryptoperidinium triquetrum</i> (Ehrenb.) Tillmann, Gottschling, Elbrächter, Kusber & Hoppenrath = <i>Heterocapsa triquetra</i> (Ehrenb.) Stein; <i>Peridinium triquetrum</i> (Ehrenb.) M.Lebour		3, 10, 18, 26, 68, 129, 220, 224, 283, orig. d.	10, 24, 181, 276, 296, orig. d.	110, 123	268	
104	<i>Lebouridinium glaucum</i> (M.Lebour) Gómez, Takayam, Moreira & López-García = <i>Katodinium glaucum</i> (M.Lebour) A.R.Loeb.	*	129				
105	<i>Lessardia elongata</i> Saldarriaga & Taylor		129, orig. d.	orig. d.			
106	<i>Levanderina fissa</i> (Levander) Moestrup, Hakanen, G.I.Hansen, Daugbjerg & M.Ellegaard = <i>Gymnodinium fissum</i> Levander; <i>Gyrodinium fissum</i> (Levander) Kof. & Swezy		3, 101				
107	<i>Lingulodinium polyedra</i> (F.Stein) J.D.Dodge = <i>Gonyaulax polyedra</i> F.Stein		3, 10, 18, 68, 129, 278, orig. d.	10, 54, 55, 105, 276, orig. d.	110, 123	157	
108	<i>Margalefidinium citron</i> (Kof. & Swezy) Gómez, Richlen & D.M. Anderson = <i>Cochlodinium citron</i> Kof. & Swezy		18, 129	10, 23, 276, orig. d.			
109	<i>Mesoporos perforatus</i> (Gran) Lillick = <i>Exuviaella perforata</i> Gran; <i>Porella perforata</i> (Gran) J.Schiller, nom. illeg.; <i>Prorocentrum perforatum</i> (Gran) Krachm.		10, 18, 78, orig. d.	10, 276, orig. d.			
110	<i>Micracanthodinium bacilliferum</i> (J.Schiller) Deflandre = <i>Cladopyxis bacillifera</i> J.Schiller		10, 129	10, 276			
111	<i>Monaster rete</i> F. Schütt = <i>Achradina pulchra</i> Lohmann; <i>Achradina sulcata</i> Lohmann		10, 78, 129	10, 24, 276			
112	<i>Noctiluca scintillans</i> (Macartney) Kof. & Swezy = <i>Noctiluca miliaris</i> Suriray, nom. inval.		13, 18, 22, 59, 101, 129	105, 276			
113	<i>Oblea rotunda</i> (M.Lebour) Balech & Sournia = <i>Glenodinium rotundum</i> (M.Lebour) J.Schiller; <i>Peridiniopsis rotunda</i> M.Lebour		3, 26, 129	10, 55, 105, 276, orig. d.			
114	<i>Opisthoaulax vorticella</i> (F.Stein) Calado = <i>Gymnodinium vorticella</i> F.Stein	*	101				
115	<i>Oxyrrhis marina</i> Dujardin		3, 13	10, 276, orig. d.	orig. d.		

table continuation

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			I	II	III	IV	V
116	<i>Oxytoxum caudatum</i> J.Schiller			10, 24, 276			
117	<i>Oxytoxum gladiolus</i> F.Stein	3, 10		10, 24, 276			
118	<i>Oxytoxum reticulatum</i> (F.Stein) F.Schütt			10, 276			
119	<i>Oxytoxum scolopax</i> F.Stein			10, 276			
120	<i>Oxytoxum sphaeroideum</i> F.Stein			10, 276	orig. d.		
121	<i>Oxytoxum variabile</i> J.Schiller	10		10, 24, 57, 276			
122	<i>Oxytoxum viride</i> J.Schiller			10, 276			
123	<i>Parvodinium goslaviense</i> (Wołosz.) S.Carty = <i>Peridinium goslaviense</i> Wołosz.	*					157
124	<i>Parvodinium pusillum</i> (Penard) S.Carty = <i>Peridinium pusillum</i> (Pénard) Lemmerm.	*					157
125	<i>Paulsenella chaetoceratis</i> (Paulsen) Chatton			10, 276			
126	<i>Peridiniella catenata</i> (Levander) Balech			10, 276			
127	<i>Peridiniella danica</i> (Paulsen) Okolodkov & J.D.Dodge = <i>Glenodinium danicum</i> Paulsen		10, 18, 68	10, 276			269
128	<i>Peridiniopsis quadridens</i> (F.Stein) Bourr. = <i>Glenodinium quadridens</i> (F.Stein) J. Schiller	*					279
129	<i>Peridinium bipes</i> F.Stein = <i>Peridinium tabulatum</i> Ehrenberg; <i>Peridinium tuba</i> J.Schiller		10, 13, 18	10, 276			
130	<i>Peridinium cinctum</i> (O.Müll.) Ehrenb.		10	10, 24, 276			269, 279
131	<i>Peridinium willei</i> Huitf.-Kaas	*	18				
132	<i>Phalacroma ovatum</i> (Clap. & J.Lachm.) E.G.Jørg.	*		123			
133	<i>Phalacroma rotundatum</i> (Clap. & J.Lachm.) Kof. & Michener = <i>Dinophysis rotundata</i> Clap. & J.Lachm.; <i>Prodinophysis rotundata</i> (Clap. & J.Lachm.) Balech		3, 10, 13, 18, 22, 78, 129, 286, orig. d.	10, 54, 55, 105, 116, 276, orig. d.		268	
134	<i>Podolampas spinifera</i> Okamura	*	39				
135	<i>Polykrikos geminatus</i> (F.Schütt) D.X.Qiu & Senjie Lin = <i>Cochlodinium geminatum</i> (F.Schütt) F.Schütt	*	129				
136	<i>Polykrikos hartmannii</i> W.Zimm. = <i>Pheopolykrikos hartmannii</i> (W.Zimm.) Matsuoka & Fukuyo		10	10, 24, 276			
137	<i>Polykrikos kofoidii</i> Chatton	*	129				

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138	<i>Polykrikos schwartzii</i> Bütschli		3, 10, 23, 68, 129	10, 24, 276, orig. d.			
139	<i>Preperidinium meunieri</i> (Pavill.) Elbrächter	*				268	
140	<i>Pronoctiluca acuta</i> (Lohmann) J.Schiller		129	10, 24, 276			
141	<i>Pronoctiluca pelagica</i> Fabre-Domergue		3, 10, 129	10, 24, 276			
142	<i>Prorocentrum aporum</i> (J.Schiller) J.D.Dodge = <i>Exuviaella apora</i> J.Schiller		129, orig. d.	10, 276, orig. d.			
143	<i>Prorocentrum asymmetrica</i> (Wislouch) Krachm. = <i>Exuviaella asymmetrica</i> Wislouch			10, 276			157
144	<i>Prorocentrum balticum</i> (Lohmann) A.R.Loeb. = <i>Exuviaella baltica</i> Lohmann		18, 129, orig. d.	10, 54, 55, 105, 276, orig. d.		157	
145	<i>Prorocentrum balticum</i> var. <i>pusillum</i> (J.Schiller) Krachm. = <i>Exuviaella pusilla</i> J.Schiller		18	276			
146	<i>Prorocentrum bidens</i> J.Schiller. = <i>Prorocentrum compressum</i> (Bailey) T.H.Abé ex J.D.Dodge; <i>Exuviaella compressa</i> (Bailey) Ostenf. (<i>Tryblionella compressa</i> (Bailey) Poulin)		3, 10, 18, 22, 68, 129, 224, 283, 286, 293, orig. d.	10, 54, 55, 57, 105, 116, 276, 281, 285, 296, orig. d.	110, 123, orig. d.	157, 268, 287	
147	<i>Prorocentrum caspicum</i> (Kisselev) Krachm. = <i>Exuviaella caspica</i> Kiselev; <i>Prorocentrum pusillum</i> (J.Schiller) J.D.Dodge & Bibby		10			157	
148	<i>Prorocentrum cordatum</i> (Ostenf.) J.D.Dodge = <i>Exuviaella cordata</i> Ostenf.; <i>Prorocentrum minimum</i> (Pavill.) J.Schiller		3, 10, 18, 23, 68, 78, 89, 129, 217, 220, 224, 260, 272, 283, 286, 293, 294, orig. d.	10, 54, 57, 105, 116, 181, 276, 280, 281, 285, 296, orig. d.	110, 119, 120, 123, 220	157, 268, 287	269
149	<i>Prorocentrum cordatum</i> var. <i>aralensis</i> (Kisselev) Krachm. = <i>Exuviaella cordata</i> var. <i>aralensis</i> Kisselev		23, 89				
150	<i>Prorocentrum lima</i> (Ehrenb.) F.Stein = <i>Exuviaella lima</i> (Ehrenberg) Bütschli; <i>Exuviaella marina</i> Cienk.		10, 13, 18, 101, 129, 217, 272, orig. d.	24, 280, 272, 276	orig. d.	268, 287	284
151	<i>Prorocentrum marinum</i> (Cienk.) J.D.Dodge & Bibby		3	10, 48, 57, 276			
152	<i>Prorocentrum micans</i> Ehrenb.		3, 10, 13, 18, 22, 26, 59, 68, 78, 89, 101, 129, 217, 224, 260, 272, 273, 274, 283, 286, 294, orig. d.	10, 54, 55, 57, 105, 116, 276, 281, 285, 296, orig. d.	22, 110, 120, 123	157, 268, 287	269
153	<i>Prorocentrum nanum</i> J.Schiller			10, 276			

table continuation

№	Species	п	Crimea regions (land and sea)				
			I	II	III	IV	V
154	<i>Prorocentrum obtusum</i> Ostenf.	*		23			
155	<i>Prorocentrum scutellum</i> Schröd.		10, 18, 129, 260	10, 116, 276, 296			
156	<i>Prosoaulax lacustris</i> (F.Stein) Calado & Moestrup = <i>Amphidinium lacustre</i> F.Stein						157, 191
157	<i>Protoceratium areolatum</i> Kof.		10, 129	10, 276			
158	<i>Protoceratium reticulatum</i> (Clap. & J.Lachm.) Bütschli = <i>Gonyaulax grindleyi</i> Reinecke; <i>Peridinium reticulatum</i> Clap. & J.Lachm.		10, 13, 18, 129, orig. d.	54, 55, 105, 276, orig. d.		268	
159	<i>Protodinium simplex</i> Lohmann = <i>Gymnodinium simplex</i> (Lohmann) Kof. & Swezy		3, 129, 217, 224, orig. d.	10, 24, 181, 276, orig. d.	orig. d.	268	
160	<i>Proto-peridinium achromaticum</i> (Levander) Balech = <i>Peridinium achromaticum</i> Levander		18			157	
161	<i>Proto-peridinium antarcticum</i> (Schimper & Karsten) Balech = <i>Peridinium depressum</i> Bailey			54, 55, 105			
162	<i>Proto-peridinium bipes</i> (Paulsen) Balech = <i>Glenodinium bipes</i> Paulsen; <i>Peridinium minusculum</i> Pavill.		3, 10, 18, 129, 217, 224, 260, 294, orig. d.	10, 55, 57, 105, 276, orig. d.	110, orig. d.	268, 287	
163	<i>Proto-peridinium brevipes</i> (Paulsen) Balech = <i>Peridinium brevipes</i> Paulsen		10, 18, 129, 217	10, 24, 181, 276, orig. d.			
164	<i>Proto-peridinium brochii</i> (Kof. & Swezy) Balech = <i>Peridinium brochii</i> Kof. & Swezy			10, 54, 55, 105, 116, 276			
165	<i>Proto-peridinium conicoides</i> (Paulsen) Balech = <i>Peridinium conicoides</i> Paulsen		18	10, 51, 57, 276			
166	<i>Proto-peridinium conicum</i> (Gran) Balech = <i>Peridinium conicum</i> (Gran) Ostenf. & A.W.F.Schmidt		18, 129	10, 54, 55, 105, 276			
167	<i>Proto-peridinium crassipes</i> (Kof.) Balech = <i>Peridinium crassipes</i> Kof.		10, 18, 78, 129, 278	10, 54, 55, 105, 116, 276, 296, orig. d.	110, 119, 120, 123		
168	<i>Proto-peridinium decipiens</i> (O.Jørg.) Parke & J.D. Dodge = <i>Peridinium decipiens</i> O.Jørg.		10, 18, 68	10, 54, 55, 105, 276, orig. d.			
169	<i>Proto-peridinium depressum</i> (Bailey) Balech		10, 129, 278	10, 276, orig. d.			
170	<i>Proto-peridinium diabolus</i> (Cleve) Balech = <i>Peridinium diabolus</i> Cleve	*	18				

table continuation

№	Species	п	Crimea regions (land and sea)				
			I	II	III	IV	V
171	<i>Protoperidinium divergens</i> (Ehrenb.) Balech = <i>Ceratium divergens</i> (Ehrenb.) Clap.; <i>Peridinium divergens</i> Ehrenb.		3, 10, 13, 18, 22, 59, 68, 78, 101, 103, 129, 274, 278, 280, orig. d.	10, 54, 55, 57, 105, 116, 276, 296, orig. d.	22, 110, orig. d.		
172	<i>Protoperidinium elegans</i> (Cleve) Balech = <i>Peridinium elegans</i> Cleve			10, 55, 105, 276			
173	<i>Protoperidinium excentricum</i> (Paulsen) Balech = <i>Peridinium excentricum</i> Paulsen		10, 18				
174	<i>Protoperidinium globulus</i> (F.Stein) Balech		10	10, 276		268	
175	<i>Protoperidinium granii</i> (Ostenf.) Balech = <i>Peridinium granii</i> Ostenf.		3, 10, 68, 129, orig. d.	10, 24, 57, 276, orig. d.	110, 119, 123		
176	<i>Protoperidinium knipowitschii</i> (Usachev) Balech = <i>Peridinium knipowitschii</i> Usatshev		10	10	123		
177	<i>Protoperidinium mite</i> (Pavill.) Balech = <i>Peridinium granii</i> f. <i>mite</i> (Pavill.) J.Schiller	*	10				
178	<i>Protoperidinium oblongum</i> (Auriv.) Parke & J.D. Dodge = <i>Peridinium oceanicum</i> f. <i>oblongum</i> (Auriv.) Broch		129, 278	54, 55, orig. d.			
179	<i>Protoperidinium oceanicum</i> (Vanhöffen) Balech = <i>Peridinium oceanicum</i> Vanhöffen		18, 10	10, 54, 55, 105, 276, orig. d.			
180	<i>Protoperidinium ovatum</i> C.H.G.Pouchet = <i>Peridinium globulus</i> var. <i>ovatum</i> (C.H.G.Pouchet) J.Schiller	*	217				
181	<i>Protoperidinium pallidum</i> (Ostenf.) Balech = <i>Peridinium pallidum</i> Ostenf.		10, 18, 129, 278 orig. d.	54, 55, 105, orig. d.			
182	<i>Protoperidinium pedunculatum</i> (F.Schütt) Balech = <i>Peridinium pedunculatum</i> F.Schütt		18, orig. d.	10, 54, 55, 105, 276			
183	<i>Protoperidinium pellucidum</i> Bergh = <i>Peridinium pellucidum</i> (Bergh) F.Schütt		3, 10, 18, 101, 129, 260, orig. d.	10, 54, 55, 57, 105, 276, orig. d.			
184	<i>Protoperidinium pentagonum</i> (Gran) Balech = <i>Peridinium pentagonum</i> Gran		18, 129	10, 54, 55, 105, 116, 276			
185	<i>Protoperidinium pyriforme</i> (Paulsen) Balech = <i>Peridinium pyriforme</i> Paulsen	*	orig. d.				
186	<i>Protoperidinium pyriforme</i> subsp. <i>breve</i> (Paulsen) Balech = <i>Peridinium breve</i> (Paulsen) Paulsen; <i>Protoperidinium breve</i> Unknown authority, nom. inval.		10, 68, 129, orig. d.	10, 57, 276, orig. d.			

table continuation

№	Species	n	Crimea regions (land and sea)				
			I	II	III	IV	V
187	<i>Protoperidinium quarnerense</i> (Schröd.) Balech = <i>Protoperidinium globulus</i> var. <i>quarnerense</i> (Schröd.) Krachm.; <i>Peridinium globulus</i> F.Stein		18	10, 24, 116, 276, orig. d.	orig. d.		
188	<i>Protoperidinium solidicorne</i> (Mangin) Balech = <i>Peridinium solidicorne</i> Mangin		18, 10, orig. d.	10, 54, 55, 105, 276			
189	<i>Protoperidinium spiniferum</i> Balech = <i>Peridinium spiniferum</i> J.Schiller, nom. illeg.	*	13				
190	<i>Protoperidinium steinii</i> (O.Jørg.) Balech = <i>Peridinium steinii</i> O.Jørg.; <i>Peridinium michaelis</i> Ehrenb.		3, 10, 13, 18, 22, 68, 78, 101, 129, orig. d.	10, 55, 57, 105, 116, 276, 296, orig. d.	orig. d.		
191	<i>Protoperidinium subinerme</i> (Paulsen) A.R.Loeb. = <i>Peridinium subinerme</i> Paulsen		10, 18, 129				
192	<i>Protoperidinium thorianum</i> (Paulsen) Balech		10	10, 276			
193	<i>Pselodinium fusus</i> (F.Schütt) Gómez = <i>Gymnodinium fusus</i> F.Schütt		129, 217, orig. d.				
194	<i>Pselodinium vaubanii</i> Sournia	*	10	10			
195	<i>Ptychodiscus noctiluca</i> F.Stein			10, 276			
196	<i>Pyrocystis elegans</i> Pavill.			10, 276			
197	<i>Pyrocystis lunula</i> (F.Schütt) F.Schütt = <i>Diplodinium lunula</i> (F.Schütt) G.A.Klebs		10, 18, 129	10			
198	<i>Pyrocystis pseudonociluca</i> Wyville-Thompson = <i>Pyrocystis noctiluca</i> Murray ex Haeckel		10	24, 276			
199	<i>Pyrophacus horologium</i> F.Stein		18, 101	10, 24, 54, 55, 105, 276			
200	<i>Scaphodinium mirabile</i> Margalef		112	112			
201	<i>Scrippsiella acuminata</i> (Ehrenb.) Kretschmann, Elbrächter, Zinssmeister, Soehner, Kirsch, Kusber & Gottschling = <i>Glenodinium trochoideum</i> F.Stein; <i>Goniodoma acuminatum</i> (Ehrenb.) F.Stein; <i>Peridinium trochoideum</i> (F.Stein) Lemmerm.; <i>Scrippsiella</i> <i>trochoidea</i> (F.Stein) A.R.Loeb.		3, 10, 18, 22, 26, 59, 68, 101, 129, 217, 220, 224, 278, 286, 293, orig. d.	10, 54, 57, 105, 116, 181, 281, 275, 276, 285, 296, orig. d.	119, 120, 110, 123	268	
202	<i>Spatulodinium pseudonociluca</i> (C.H.G.Pouchet) J.Cachon & M.Cachon	*	129	orig. d.			
203	<i>Torodinium robustum</i> Kof. & Swezy		10, 78	10, 285			

table continuation

№	Species	п	Crimea regions (land and sea)				
			I	II	III	IV	V
204	<i>Torquentidium pirum</i> (F.Schütt) H.H.Shin, Z.Li, K.W.Lee & K.Matsuoka = <i>Cochlodinium pirum</i> (F.Schütt) Lemmerm.; <i>Gymnodinium pirum</i> F.Schütt		3, 18, 101, 129				
205	<i>Tovellia coronata</i> (Wołosz.) Moestrup, Lindberg & Daugbjerg = <i>Woloszynskia coronata</i> (Wołosz.) R.H.Thompson						157
206	<i>Triadinium polyedricum</i> (C.H.G.Pouchet) J.D.Dodge = <i>Goniodoma polyedricum</i> (C.H.G.Pouchet) O.Jørg.	*	18				