

Appendix 1.

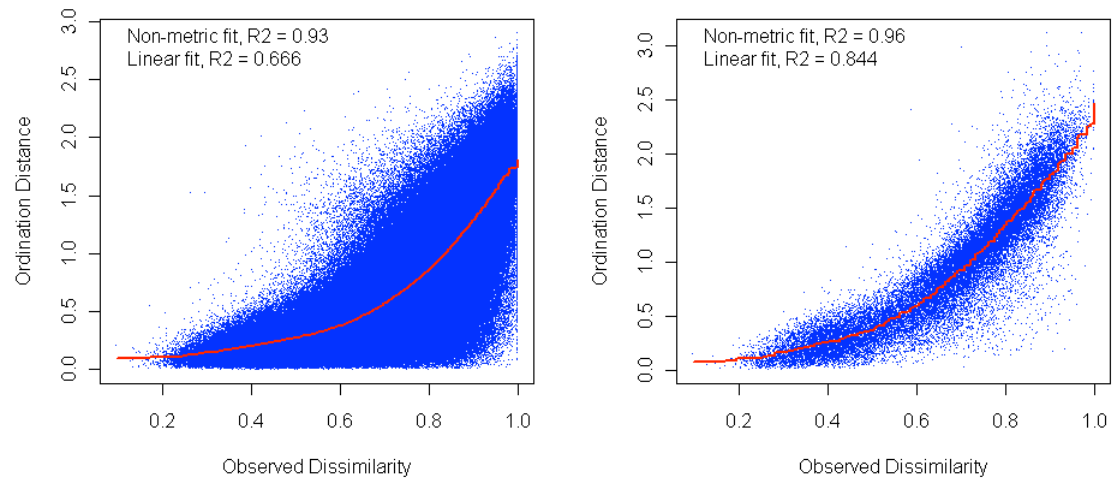


Fig A1 Shepard plot for a) NMDS ordination of all sites, b) NMDS ordination of reference sites

Table A1. Taxa optima on PTI scale for all lakes combined, and for separate GIGs and major GIG types (Clr=Clear, Hum = humic).
 Blue = very sensitive taxa, Light blue = sensitive taxa, Yellow = tolerant taxa, Orange = very tolerant taxa

Record	Genus	Other	Order	Class	All	All_n	NGIG_Clr	NGIG_Clr_n	NGIG_Hum	NGIG_Hum_n	MGIG	MGIG_n
91	Isthmochloron		Mischococcales	Xanthophyceae	2,022	21	-2,169	7	1,906	6		
35	Chrysolykos		Chromulinales	Chrysophyceae	1,992	287	-1,492	139	1,663	68	0,069	2
169	Rhabdogloea		Chroococcales	Cyanophyceae	1,908	21	-2,974	5	2,461	6		
137	Pseudokephyrion		Chromulinales	Chrysophyceae	1,884	362	-1,311	167	1,604	86	0,044	3
150	R1125	Ochromonadales	Chromulinales	Chrysophyceae	1,772	246	-1,081	134	1,536	50		
155	R1573	Nostocales	Nostocales	Cyanophyceae	1,708	2	-2,570	1	0,206	1		
79	Gloeocystis		Chlorococcales	Chlorophyceae	1,636	54	-0,816	23	1,316	10		
18	Bitrichia		Stylococcales	Chrysophyceae	1,586	529	-0,847	212	1,436	129	1,215	2
37	Chrysostephanosphaera		Chromulinales	Chrysophyceae	1,583	18	-1,830	2	1,928	7		
64	Discostella		Centrales	Bacillariophyceae	1,582	217	-1,462	84	0,034	17	0,800	7
163	R2617	Picoplankton			1,475	579	-0,641	264	0,399	133		
151	R1171	Chrysophyceae		Chrysophyceae	1,468	748	-0,781	275	0,837	179	0,356	11
189	Stichogloea		Chromulinales	Chrysophyceae	1,460	175	-0,602	59	1,600	52	2,255	1

180	Spiniferomonas		Chromulinales	Chrysophyceae	-	1,435	364	-0,909	119	-	1,035	140	0,412	3	
174	Scourfieldia		Scourfieldiales	Prasinophyceae	-	1,400	232	-0,981	68	-	1,002	87			:
75	Frustulia		Pennales	Bacillariophyceae	-	1,392	13	-1,834	2	-	1,977	7			:
116	Ochromonas		Chromulinales	Chrysophyceae	-	1,350	619	-0,705	250	-	0,535	124	0,726	20	:
32	Chrysidiastrum		Chromulinales	Chrysophyceae	-	1,320	100	-0,923	30	-	0,577	33			:
158	R1708	Dinophyceae		Dinophyceae	-	1,319	432	-0,910	190	-	0,713	113	3,621	3	:
28	Chromulina		Chromulinales	Chrysophyceae	-	1,280	418	-0,401	181	-	0,875	82	0,372	11	:
80	Gloeotila		Ulotrichales	Ulvophyceae	-	1,251	76	-1,064	13	-	0,987	24			:
66	Epipyxis		Chromulinales	Chrysophyceae	-	1,250	92	-0,733	27	-	0,774	37			:
106	Monochrysis		Chromulinales	Chrysophyceae	-	1,242	118	-0,729	33	-	0,495	50			:
103	Merismopedia		Chroococcales	Cyanophyceae	-	1,242	507	-0,950	110	-	1,520	117	2,040	17	(
184	Staurodesmus		Desmidiales	Conjugatophyceae	-	1,155	259	-0,526	69	-	0,625	89	1,675	5	:
93	Kephyrion		Chromulinales	Chrysophyceae	-	1,143	381	-1,065	110	-	0,784	90	0,009	15	(
138	Pseudopedinella		Pedinellales	Dictyochophyceae	-	1,104	443	-0,758	97	-	0,903	146	0,856	13	(
30	Chroomonas		Cryptomonadales	Cryptophyceae	-	1,042	518	-0,062	220	-	0,096	112	1,581	9	:
19	Botryococcus		Chlorococcales	Chlorophyceae	-	1,008	479	0,182	135	-	0,892	152	1,227	8	:
89	Gymnodinium		Gymnodiniales	Dinophyceae	-	1,000	966	-0,782	281	-	1,040	204	1,034	45	(
65	Elakatothrix		Klebsormidiales	Klebsormidiophyceae	-	0,995	733	-0,531	206	-	0,655	170	1,322	46	(

164	R2620	Phytoplankton, flagellated			-	235	-0,024	58	0,196	86		
214	Willea		Chlorococcales	Chlorophyceae	0,941	59	-2,583	6	2,428	9	0,589	4
44	Coenococcus		Chlorococcales	Chlorophyceae	0,919	10	-1,974	2			1,803	1
96	Koliella		Klebsormidiales	Klebsormidiophyceae	0,898	239	0,300	76	0,096	43	2,010	3
211	Urosolenia		Centrales	Bacillariophyceae	0,799	392	-0,502	83	0,392	133	1,257	1
196	Tabellaria		Pennales	Bacillariophyceae	0,790	536	0,250	139	0,249	159	0,030	7
210	Uroglena		Chromulinales	Chrysophyceae	0,772	352	0,201	98	0,176	121		
101	Mallomonas		Synurales	Chrysophyceae	0,766	847	0,031	233	0,426	232	0,765	25
109	Monoraphidium		Chlorococcales	Chlorophyceae	0,744	1111	-0,151	271	0,500	237	0,145	47
62	Dinobryon		Chromulinales	Chrysophyceae	0,727	1115	-0,725	273	0,777	233	0,572	37
197	Teilingia		Desmidiiales	Conjugatophyceae	0,715	41	1,275	19	0,532	6		
113	Nephrocytium		Chlorococcales	Chlorophyceae	0,652	83	-0,036	24	1,194	21	0,445	1
129	Plagioselmis		Cryptomonadales	Cryptophyceae	0,618	1047	0,001	267	0,326	218	0,280	81
199	Tetraëdriella		Mischococcales	Xanthophyceae	0,604	39	-0,319	7	0,332	14		
107	Monomastix		Mamiellales	Prasinophyceae	0,596	164	-0,303	16	0,544	79	1,315	8
36	Chrysosphaerella		Chromulinales	Chrysophyceae	0,590	36	1,104	1	0,266	17		
2	Achnanthes		Pennales	Bacillariophyceae	0,504	104	-0,650	39	3,311	13	2,102	8
68	Euastrum		Desmidiiales	Conjugatophyceae	0,492	57	1,320	9	0,726	14	1,138	1

20	Carteria		Volvocales	Chlorophyceae	0,480	138	-0,318	56	1,864	22	0,383	4	(
182	Spondylosium		Desmidiiales	Conjugatophyceae	0,480	104	0,855	26	0,508	32	0,451	3	.
33	Chrysochromulina		Prymnesiales	Prymnesiophyceae	0,472	643	-0,047	172	0,333	155	0,761	37	(
34	Chrysococcus		Chromulinales	Chrysophyceae	0,468	222	0,015	49	0,095	57	0,139	2	(
168	Rhabdoderma		Chroococcales	Cyanophyceae	0,448	26	0,085	9	1,410	6	2,989	1	;
147	R0832	Chlorococcales	Chlorococcales	Chlorophyceae	0,436	600	0,068	156	0,551	173	1,182	19	(
144	Quadrigula		Chlorococcales	Chlorophyceae	0,436	288	0,042	53	0,456	60	1,126	18	;
117	Oocystis		Chlorococcales	Chlorophyceae	0,405	1077	-0,358	248	0,902	201	0,189	80	(
166	Radiocystis		Chroococcales	Cyanophyceae	0,331	68	0,226	16	0,993	22	0,031	3	;
71	Eunotia		Pennales	Bacillariophyceae	0,318	83	-0,693	17	0,445	32			.
195	Synura		Synurales	Chrysophyceae	0,316	257	0,061	44	0,130	93	0,140	4	(
128	Pinnularia		Pennales	Bacillariophyceae	0,290	18	-1,015	3	4,486	3	2,740	2	.
179	Sphaerocystis		Chlorococcales	Chlorophyceae	0,277	322	0,832	85	1,016	60	0,886	28	.
16	Asterionella		Pennales	Bacillariophyceae	0,227	799	0,709	147	0,058	145	1,262	29	(
54	Cyclotella		Centrales	Bacillariophyceae	0,209	775	-0,437	149	0,724	104	0,146	84	(
142	Puncticulata		Centrales	Bacillariophyceae	0,163	39	1,124	1			2,047	6	;
177	Snowella		Chroococcales	Cyanophyceae	0,157	486	0,703	107	0,233	131	3,885	1	.
31	Chrysamoeba		Chromulinales	Chrysophyceae	0,151	9	-0,444	3					;

7	Amphidinium		Gymnodiniales	Dinophyceae	0,140	8					-	1,374	2
23	Chlamydocapsa		Tetrasporales	Chlorophyceae	0,139	11			0,418	3	-	2,318	1
124	Peridinium		Peridinales	Dinophyceae	0,125	1101	-0,154	232	0,310	198	-	0,762	57
110	Mougeotia		Zygnematales	Conjugatophyceae	0,112	250	-0,629	28	1,115	66	-	2,185	7
12	Ankyra		Chlorococcales	Chlorophyceae	0,071	353	1,184	81	0,650	70	-	0,702	25
88	Gonyostomum		Chattonellales	Raphidophyceae	0,069	167	1,386	15	0,639	82	-	1,857	3
123	Peridiniopsis		Peridinales	Dinophyceae	0,057	87	2,353	15	1,490	10	-	2,873	15
216	Xanthidium		Desmidiales	Conjugatophyceae	0,055	46	0,391	10	2,030	13	-		
167	Raphidocelis		Chlorococcales	Chlorophyceae	0,008	123	1,149	29	2,682	26	-	1,512	9
139	Pseudosphaerocystis		Tetrasporales	Chlorophyceae	0,027	56	2,311	2	0,363	20	-	1,007	4
215	Woronichinia		Chroococcales	Cyanophyceae	0,043	324	1,873	58	0,625	104	-	0,363	13
48	Crucigenia		Chlorococcales	Chlorophyceae	0,056	421	-0,283	55	0,446	90	-	0,277	20
47	Cosmarium		Desmidiales	Conjugatophyceae	0,081	535	0,927	98	0,164	93	-	0,275	34
60	Dictyosphaerium		Chlorococcales	Chlorophyceae	0,094	438	-0,021	90	0,139	88	-	0,239	28
46	Colacium		Euglenales	Euglenophyceae	0,098	10	0,629	1			-	0,365	3
3	Achnantheidium		Pennales	Bacillariophyceae	0,100	30	-1,307	2	0,711	4	-	0,587	9
121	Paulschulzia		Tetrasporales	Chlorophyceae	0,121	54	3,069	17	1,220	10	-	2,065	1
15	Aphanothece		Chroococcales	Cyanophyceae	0,154	294	1,924	48	0,627	83	-	0,800	18

49	Crucigeniella		Chlorococcales	Chlorophyceae	0,170	195	0,210	35	-	0,658	32	0,270	17	.
24	Chlamydomonas		Volvocales	Chlorophyceae	0,182	750	0,568	156	0,409	173	-	0,565	26	(
50	Cryptomonas		Cryptomonadales	Cryptophyceae	0,189	1543	0,348	299	0,061	277	-	0,084	105	(
77	Glenodinium		Peridiniales	Dinophyceae	0,192	41	0,494	2	1,421	5	-	2,740	1	.
73	Fragilaria		Pennales	Bacillariophyceae	0,317	835	1,105	160	0,775	141	-	0,080	49	(
51	Cyanodictyon		Chroococcales	Cyanophyceae	0,318	147	1,239	22	1,004	46	-			.
92	Katodinium		Gymnodiniales	Dinophyceae	0,343	20	-1,682	2	0,532	3	-	0,656	6	;
58	Cymbella		Pennales	Bacillariophyceae	0,353	50	3,191	1	2,771	2	-	2,225	5	.
43	Coenochloris		Chlorococcales	Chlorophyceae	0,372	82	2,036	13	0,162	5	-	0,089	21	(
8	Amphora		Pennales	Bacillariophyceae	0,463	43			7,058	1	-	2,740	2	(
11	Ankistrodesmus		Chlorococcales	Chlorophyceae	0,470	202	0,772	40	2,890	42	-	0,990	6	(
200	Tetraedron		Chlorococcales	Chlorophyceae	0,476	592	1,049	91	0,618	63	-	0,526	50	(
90	Gyrosigma		Pennales	Bacillariophyceae	0,490	21			0,274	3	-			;
213	Westella		Chlorococcales	Chlorophyceae	0,503	7			1,514	3	-			.
74	Franceia		Chlorococcales	Chlorophyceae	0,504	22	2,203	1	0,781	4	-	1,366	4	(
183	Staurastrum		Desmidiiales	Conjugatophyceae	0,526	618	1,729	99	0,937	105	-	0,497	45	(
29	Chroococcus		Chroococcales	Cyanophyceae	0,559	392	0,552	44	0,365	74	-	0,570	9	(
78	Gloeocapsa		Chroococcales	Cyanophyceae	0,559	9			2,934	2	-			.

1	Acanthoceras		Centrales	Bacillariophyceae	0,561	120	1,612	5	1,731	46		
14	Aphanocapsa		Chroococcales	Cyanophyceae	0,562	362	1,950	32	1,581	59	-	21
146	R0422	Pennales	Pennales	Bacillariophyceae	0,577	133	1,201	14	0,539	45	2,018	2
94	Keratococcus		Chlorococcales	Chlorophyceae	0,579	14	-0,906	2	0,890	1	0,363	3
118	Ophiocytium		Mischococcales	Xanthophyceae	0,582	17			1,297	8		
22	Ceratium		Peridinales	Dinophyceae	0,583	779	0,943	110	0,481	106	0,602	55
170	Rhodomonas		Cryptomonadales	Cryptophyceae	0,632	105	1,367	10	0,260	6	4,392	1
61	Didymocystis		Chlorococcales	Chlorophyceae	0,637	130	0,450	17	1,290	52	1,914	12
87	Gonium		Volvocales	Chlorophyceae	0,671	11	3,909	2				
111	Navicula		Pennales	Bacillariophyceae	0,687	184	1,040	6	3,078	9	0,237	22
69	Eudorina		Volvocales	Chlorophyceae	0,694	98	1,914	22	0,491	13	2,318	1
130	Planctonema		Ulotrichales	Ulvophyceae	0,730	64					0,646	20
39	Closterium		Desmidiales	Conjugatophyceae	0,732	616	1,458	65	0,633	93	0,830	35
132	Planktosphaeria		Chlorococcales	Chlorophyceae	0,755	44	-0,051	7	2,292	8	1,365	2
67	Erkenia		Chromulinales	Chrysophyceae	0,797	21			3,257	1	0,231	1
42	Coelosphaerium		Chroococcales	Cyanophyceae	0,827	115	1,262	7	0,609	6	2,128	2
165	R2711	Plagioselmis	Cryptomonadales	Cryptophyceae	0,831	195	1,762	1	1,288	4	0,511	4
198	Tetrachlorella		Chlorococcales	Chlorophyceae	0,832	34	1,124	1	3,390	1	0,202	15
154	R1514	Chroococcales	Chroococcales	Cyanophyceae	0,838	200	-0,152	33	1,844	62	3,560	3
17	Aulacoseira		Centrales	Bacillariophyceae	0,847	794	0,550	120	0,192	170	0,816	41
208	Ulnaria		Pennales	Bacillariophyceae	0,881	549	0,758	47	1,892	75	-	35

													0,427	
162	R2602	Bacillariales	Bacillariales	Bacillariophyceae	0,886	11	-1,966	4						
84	Gomphonema		Pennales	Bacillariophyceae	0,903	31			0,786	2	0,025	2		
194	Synechocystis		Chroococcales	Cyanophyceae	0,920	15	1,264	2			0,383	7		
149	R0989	Volvocales	Volvocales	Chlorophyceae	0,930	126	-0,653	18	1,425	43	2,669	5		
160	R1793	Phytoplankton, unidentified			0,948	254	2,067	24	0,643	19	0,718	4		
45	Coenocystis		Chlorococcales	Chlorophyceae	0,980	8	-2,581	2			2,769	1		
9	Anabaena		Nostocales	Cyanophyceae	0,984	866	2,711	128	1,627	150	0,607	38		
136	Pseudogoniocloris		Mischococcales	Xanthophyceae	0,985	26	2,980	2	2,937	11				
21	Centritractus		Mischococcales	Xanthophyceae	0,992	30			1,382	8	0,649	1		
161	R1861	Xanthophyceae		Xanthophyceae	0,998	17	6,972	1			0,286	8		
201	Tetraselmis		Volvocales	Chlorophyceae	1,015	36	-0,102	5	0,206	1	0,718	10		
212	Volvox		Volvocales	Chlorophyceae	1,032	15	6,136	3	1,139	1	0,301	2		
82	Golenkinia		Chlorococcales	Chlorophyceae	1,053	41	6,029	1	3,912	3	3,289	2		
205	Treubaria		Chlorococcales	Chlorophyceae	1,054	85	3,023	4	3,541	18	3,812	8		
152	R1410	Cryptomonadales	Cryptomonadales	Cryptophyceae	1,055	27	-1,205	5	0,822	2				
95	Kirchneriella		Chlorococcales	Chlorophyceae	1,056	220	0,416	13	1,964	31	0,420	10		
145	R0071	Centrales	Centrales	Bacillariophyceae	1,063	411	0,721	37	0,492	72	0,832	2		
41	Coelastrum		Chlorococcales	Chlorophyceae	1,078	361	3,343	34	1,936	29	0,472	49		
59	Diatoma		Pennales	Bacillariophyceae	1,082	158	2,194	21	1,471	15	1,207	5		
140	Pseudostaurastrum		Mischococcales	Xanthophyceae	1,095	41	3,922	3	1,718	16				
202	Tetrastrum		Chlorococcales	Chlorophyceae	1,100	176	0,852	9	0,230	30	0,567	18		
206	Tribonema		Tribonematales	Xanthophyceae	1,124	27			0,688	1				

125	Phacotus		Volvocales	Chlorophyceae	1,134	80	2,752	2			0,649	1	(
40	Cocconeis		Pennales	Bacillariophyceae	1,148	67	2,203	1	3,502	4	0,727	3	(
193	Synechococcus		Chroococcales	Cyanophyceae	1,167	47	1,218	5	3,077	13	0,977	8	;
192	Syncrypta		Chromulinales	Chrysophyceae	1,195	11	1,377	2	1,261	5			
204	Trachelomonas		Euglenales	Euglenophyceae	1,227	391	3,015	23	2,683	86	0,927	23	(
81	Gloeotrichia		Nostocales	Cyanophyceae	1,232	8			3,095	3			
207	Trichormus		Nostocales	Cyanophyceae	1,248	58	2,780	4	3,580	6	1,881	1	(
122	Pediastrum		Chlorococcales	Chlorophyceae	1,260	572	2,174	56	1,263	89	0,092	26	(
52	Cyanonephron		Chroococcales	Cyanophyceae	1,289	5			3,404	2			
97	Lagerheimia		Chlorococcales	Chlorophyceae	1,306	170	3,059	10	2,360	9	0,098	26	
148	R0905	Chlorophyceae		Chlorophyceae	1,336	128	2,638	2	1,143	5	1,004	10	(
172	Scenedesmus		Chlorococcales	Chlorophyceae	1,340	854	2,556	98	1,523	120	0,346	69	
100	Lyngbya		Oscillatoriales	Cyanophyceae	1,345	16	1,075	1	3,104	3			(
114	Nephroselmis		Polyblepharidales	Prasinophyceae	1,363	25			0,947	10	2,042	7	(
85	Gomphosphaeria		Chroococcales	Cyanophyceae	1,363	55	-0,310	3	0,187	3	0,155	2	(
4	Achroonema			Cyanophyceae	1,364	41	6,310	8	3,873	11			
27	Chlorotetraedron		Chlorococcales	Chlorophyceae	1,367	17			0,936	1	2,989	1	(
25	Chlorella		Chlorellales	Trebouxiophyceae	1,373	88	1,762	1	0,418	1	0,124	32	(
133	Planktothrix		Oscillatoriales	Cyanophyceae	1,416	450	2,614	52	0,635	61	1,778	11	(
187	Stephanodiscus		Centrales	Bacillariophyceae	1,427	321	1,973	34	2,318	41	0,502	8	(
209	Ulothrix		Ulotrichales	Ulvophyceae	1,430	11	-1,489	1					(

99	Limnothrix		Oscillatoriales	Cyanophyceae	1,441	190	1,961	1	0,314	1	3,347	5	(
104	Micractinium		Chlorococcales	Chlorophyceae	1,444	61	4,267	7	2,373	22			(
157	R1638	Cyanophyceae		Cyanophyceae	1,455	162	0,589	10	0,335	42	1,559	1	·
173	Schroederia		Chlorococcales	Chlorophyceae	1,477	105	2,788	3	2,382	9	0,569	15	(
131	Planktolyngbya		Oscillatoriales	Cyanophyceae	1,513	223	2,756	7	3,187	14	2,778	12	(
153	R1412	Cryptophyceae		Cryptophyceae	1,562	66	3,090	1	0,208	3	0,154	2	(
134	Pseudanabaena		Oscillatoriales	Cyanophyceae	1,570	315	3,009	15	2,190	28	1,583	21	(
119	Oscillatoria		Oscillatoriales	Cyanophyceae	1,575	169	0,264	14	1,280	8	2,540	5	(
57	Cymatopleura		Pennales	Bacillariophyceae	1,577	13	3,537	1			2,870	1	(
13	Aphanizomenon		Nostocales	Cyanophyceae	1,595	569	2,994	24	1,512	76	1,541	42	(
38	Closteriopsis		Chlorococcales	Chlorophyceae	1,595	58	3,835	5	2,248	5	0,415	7	·
156	R1628	Oscillatoriales	Oscillatoriales	Cyanophyceae	1,600	58	1,051	7	2,289	17	2,736	5	·
191	Surirella		Pennales	Bacillariophyceae	1,626	26	0,685	2	1,770	8			;
127	Phormidium		Oscillatoriales	Cyanophyceae	1,666	17					2,065	1	(
115	Nitzschia		Pennales	Bacillariophyceae	1,674	467	1,463	26	2,965	47	0,940	30	(
159	R1781	Euglenophyceae		Euglenophyceae	1,689	21	2,175	2	0,418	1	1,363	4	(
188	Stichococcus		Prasiolales	Trebouxiophyceae	1,708	18							(
102	Melosira		Centrales	Bacillariophyceae	1,711	47	3,122	3	1,896	8	0,290	4	·
83	Golenkiniopsis		Chlorococcales	Chlorophyceae	1,752	10					3,133	6	;
120	Pandorina		Volvocales	Chlorophyceae	1,763	143	1,762	20	5,018	16	1,520	8	(
175	Siderocelis		Chlorococcales	Chlorophyceae	1,787	27	-2,756	1	0,810	2	2,065	1	;
105	Microcystis		Chroococcales	Cyanophyceae	1,788	430	4,585	31	3,028	46	1,590	32	·
186	Staurosira		Pennales	Bacillariophyceae	1,801	56	0,361	1	6,161	10	1,586	2	(
126	Phacus		Euglenales	Euglenophyceae	1,912	151	1,298	3	1,666	27	1,190	6	·
98	Lepocinclis		Euglenales	Euglenophyceae	1,951	15					-	4	;
											1,037		

86	Goniochloris		Mischococcales	Xanthophyceae	1,984	55	6,611	2	3,312	9	5,397	1
72	Eutetramorus		Chlorococcales	Chlorophyceae	2,048	19					1,983	10
141	Pteromonas		Volvocales	Chlorophyceae	2,053	42	10,002	1	0,705	1	3,244	3
70	Euglena		Euglenales	Euglenophyceae	2,095	246	2,004	9	2,497	43	-	12
55	Cylindrospermopsis		Nostocales	Cyanophyceae	2,121	51					2,817	6
56	Cylindrotheca		Pennales	Bacillariophyceae	2,132	24	4,433	3	0,658	3	2,449	8
178	Spermatozopsis		Volvocales	Chlorophyceae	2,214	28	-1,182	1	3,100	6		
53	Cyclostephanos		Centrales	Bacillariophyceae	2,223	85	2,203	1	3,268	8	0,885	1
108	Monomorphina		Euglenales	Euglenophyceae	2,296	43			1,540	1	4,392	1
143	Quadricoccus		Chlorococcales	Chlorophyceae	2,519	17	2,589	1	3,560	3	-	3
185	Stauroneis		Pennales	Bacillariophyceae	2,554	13						
5	Actinastrum		Chlorococcales	Chlorophyceae	2,608	114	8,290	2	4,148	3	3,215	7
26	Chlorogonium		Volvocales	Chlorophyceae	2,624	20	8,049	1	4,294	2	3,751	3
76	Geitlerinema		Oscillatoriales	Cyanophyceae	2,695	13	1,124	1	8,583	1	2,992	2
176	Skeletonema		Centrales	Bacillariophyceae	2,853	49			4,060	3		
135	Pseudodictyosphaerium		Chlorococcales	Chlorophyceae	2,870	5			3,372	1	4,683	1
181	Spirulina		Oscillatoriales	Cyanophyceae	2,954	11					3,245	3
203	Thalassiosira		Centrales	Bacillariophyceae	3,035	11			0,206	1		
171	Romeria		Oscillatoriales	Cyanophyceae	3,035	18			3,257	1	3,888	3
10	Anabaenopsis		Nostocales	Cyanophyceae	3,311	39					4,870	3
112	Nephrochlamys		Chlorococcales	Chlorophyceae	3,322	24	1,114	2	4,306	6	2,847	7
6	Actinocyclus		Centrales	Bacillariophyceae	3,430	48						
190	Strombomonas		Euglenales	Euglenophyceae	3,715	9			2,417	1	0,570	2
63	Diplochloris		Chlorococcales	Chlorophyceae	3,853	25	-0,101	1	4,134	7	5,131	3

Table A2. Taxa optima on PTI scale for all lakes combined, and sensitivity groups for single lake types. Blue = very sensitive taxa, Light blue = sensitive taxa, Yellow = tolerant taxa, Orange = very tolerant taxa

Index	Genus	Other	Order	Class	PTI Optim a (global data set)	N record s	Lake Type				
							LN2 b	LN2 a	LN 1	LCB 1	LCB 2
91	Isthmochloron		Mischococcales	Xanthophyceae	-2,022	287	VS	VS	VS	VS	VS
35	Chrysolykos		Chromulinales	Chrysophyceae	-1,992	21	VS	VS	VS	VS	VS
169	Rhabdogloea		Chroococcales	Cyanophyceae	-1,908	362	VS	VS	VS	VS	VS
137	Pseudokephyrion		Chromulinales	Chrysophyceae	-1,884	246	VS	VS	VS	VS	VS
150	R1125	Ochromonadales	Chromulinales	Chrysophyceae	-1,772	2	VS	VS	VS	VS	VS
155	R1573	Nostocales	Nostocales	Cyanophyceae	-1,708	54	VS	VS	VS	VS	VS
79	Gloeocystis		Chlorococcales	Chlorophyceae	-1,636	529	VS	VS	VS	VS	VS
18	Bitrichia		Stylococcales	Chrysophyceae	-1,586	18	VS	VS	VS	VS	VS
37	Chrysostephanosphaera		Chromulinales	Chrysophyceae	-1,583	217	VS	VS	VS	VS	VS
64	Discostella		Centrales	Bacillariophyceae	-1,582	579	VS	VS	VS	VS	VS
163	R2617	Picoplankton			-1,475	748	VS	VS	VS	VS	VS
151	R1171	Chrysophyceae		Chrysophyceae	-1,468	175	VS	VS	VS	VS	VS
189	Stichogloea		Chromulinales	Chrysophyceae	-1,460	364	VS	VS	VS	VS	VS
180	Spiniferomonas		Chromulinales	Chrysophyceae	-1,435	232	VS	VS	VS	VS	VS
174	Scourfieldia		Scourfieldiales	Prasinophyceae	-1,400	13	VS	VS	VS	VS	VS
75	Frustulia		Pennales	Bacillariophyceae	-1,392	619	VS	VS	VS	VS	VS
116	Ochromonas		Chromulinales	Chrysophyceae	-1,350	100	VS	VS	VS	VS	VS
32	Chrysidiastrum		Chromulinales	Chrysophyceae	-1,320	432	VS	VS	VS	VS	VS
158	R1708	Dinophyceae		Dinophyceae	-1,319	418	VS	VS	VS	VS	VS
28	Chromulina		Chromulinales	Chrysophyceae	-1,280	76	VS	VS	VS	VS	VS
80	Gloeotila		Ulotrichales	Ulvophyceae	-1,251	92	VS	VS	VS	VS	VS
66	Epipyxis		Chromulinales	Chrysophyceae	-1,250	118	VS	VS	VS	VS	VS
106	Monochrysis		Chromulinales	Chrysophyceae	-1,242	507	VS	VS	VS	VS	VS
103	Merismopedia		Chroococcales	Cyanophyceae	-1,242	259	VS	VS	VS	VS	VS
184	Staurodesmus		Desmidiales	Conjugatophyceae	-1,155	381	VS	VS	VS	VS	VS

93	Kephyrion		Chromulinales	Chrysophyceae	-1,143	443	S	VS	VS	VS	VS	
138	Pseudopedinella		Pedinellales	Dictyochophyceae	-1,104	518	S	VS	VS	VS	VS	
30	Chroomonas		Cryptomonadales	Cryptophyceae	-1,042	479	S	VS	VS	VS	VS	
19	Botryococcus		Chlorococcales	Chlorophyceae	-1,008	966	S	VS	VS	VS	VS	
89	Gymnodinium		Gymnodiniales	Dinophyceae	-1,000	733	S	VS	VS	VS	VS	
65	Elakatothrix		Klebsormidiales	Klebsormidiophyceae	-0,995	235	S	VS	VS	VS	VS	
164	R2620	Phytoplankton, flagellated			-0,950	59	S	VS	VS	VS	VS	
214	Willea		Chlorococcales	Chlorophyceae	-0,941	10	S	VS	VS	VS	VS	
44	Coenococcus		Chlorococcales	Chlorophyceae	-0,919	239	S	VS	VS	VS	VS	
96	Koliella			Klebsormidiales	Klebsormidiophyceae	-0,898	392	S	VS	VS	VS	VS
211	Urosolenia			Centrales	Bacillariophyceae	-0,799	536	S	S	VS	VS	VS
196	Tabellaria			Pennales	Bacillariophyceae	-0,790	352	S	S	VS	VS	VS
210	Uroglena			Chromulinales	Chrysophyceae	-0,772	847	S	S	VS	VS	VS
101	Mallomonas		Synurales	Chrysophyceae	-0,766	1111	S	S	VS	VS	VS	
109	Monoraphidium		Chlorococcales	Chlorophyceae	-0,744	1115	S	S	VS	VS	VS	
62	Dinobryon		Chromulinales	Chrysophyceae	-0,727	41	S	S	VS	VS	VS	
197	Teilingia		Desmidiiales	Conjugatophyceae	-0,715	83	S	S	VS	VS	VS	
113	Nephrocytium		Chlorococcales	Chlorophyceae	-0,652	1047	S	S	VS	VS	VS	
129	Plagioselmis		Cryptomonadales	Cryptophyceae	-0,618	39	S	S	VS	VS	VS	
199	Tetraëdriella		Mischococcales	Xanthophyceae	-0,604	164	S	S	VS	VS	VS	
107	Monomastix		Mamiellales	Prasinophyceae	-0,596	36	S	S	VS	VS	VS	
36	Chryso-sphaerella		Chromulinales	Chrysophyceae	-0,590	104	S	S	VS	VS	VS	
2	Achnanthes		Pennales	Bacillariophyceae	-0,504	57	S	S	S	VS	VS	
68	Euastrum		Desmidiiales	Conjugatophyceae	-0,492	138	S	S	S	VS	VS	
20	Carteria		Volvocales	Chlorophyceae	-0,480	104	S	S	S	VS	VS	
182	Spondylosium		Desmidiiales	Conjugatophyceae	-0,480	643	S	S	S	VS	VS	
33	Chrysochromulina		Prymnesiales	Prymnesiophyceae	-0,472	222	S	S	S	VS	VS	
34	Chryso-coccus		Chromulinales	Chrysophyceae	-0,468	26	S	S	S	VS	VS	
168	Rhabdoderma		Chroococcales	Cyanophyceae	-0,448	600	S	S	S	VS	VS	
147	R0832	Chlorococcales	Chlorococcales	Chlorophyceae	-0,436	288	S	S	S	VS	VS	

144	Quadrigula	Chlorococcales	Chlorophyceae	-0,436	1077	S	S	S	VS	VS
117	Oocystis	Chlorococcales	Chlorophyceae	-0,405	68	S	S	S	VS	VS
166	Radiocystis	Chroococcales	Cyanophyceae	-0,331	83	T	S	S	VS	VS
71	Eunotia	Pennales	Bacillariophyceae	-0,318	257	T	S	S	VS	VS
195	Synura	Synurales	Chrysophyceae	-0,316	18	T	S	S	VS	VS
128	Pinnularia	Pennales	Bacillariophyceae	-0,290	322	T	S	S	VS	VS
179	Sphaerocystis	Chlorococcales	Chlorophyceae	-0,277	799	T	S	S	S	VS
16	Asterionella	Pennales	Bacillariophyceae	-0,227	775	T	S	S	S	VS
54	Cyclotella	Centrales	Bacillariophyceae	-0,209	39	T	S	S	S	VS
142	Puncticulata	Centrales	Bacillariophyceae	-0,163	486	T	S	S	S	VS
177	Snowella	Chroococcales	Cyanophyceae	-0,157	9	T	S	S	S	VS
31	Chrysamoeba	Chromulinales	Chrysophyceae	-0,151	8	T	S	S	S	VS
7	Amphidinium	Gymnodiniales	Dinophyceae	-0,140	11	T	S	S	S	VS
23	Chlamydocapsa	Tetrasporales	Chlorophyceae	-0,139	1101	T	S	S	S	VS
124	Peridinium	Peridinales	Dinophyceae	-0,125	250	T	S	S	S	VS
110	Mougeotia	Zygnematales	Conjugatophyceae	-0,112	353	T	S	S	S	VS
12	Ankyra	Chlorococcales	Chlorophyceae	-0,071	167	T	T	S	S	VS
88	Gonyostomum	Chattonellales	Raphidophyceae	-0,069	87	T	T	S	S	VS
123	Peridiniopsis	Peridinales	Dinophyceae	-0,057	46	T	T	S	S	S
216	Xanthidium	Desmidiiales	Conjugatophyceae	-0,055	123	T	T	S	S	S
167	Raphidocelis	Chlorococcales	Chlorophyceae	0,008	56	T	T	S	S	S
139	Pseudosphaerocystis	Tetrasporales	Chlorophyceae	0,027	324	T	T	S	S	S
215	Woronichinia	Chroococcales	Cyanophyceae	0,043	421	T	T	S	S	S
48	Crucigenia	Chlorococcales	Chlorophyceae	0,056	535	T	T	S	S	S
47	Cosmarium	Desmidiiales	Conjugatophyceae	0,081	438	T	T	S	S	S
60	Dictyosphaerium	Chlorococcales	Chlorophyceae	0,094	10	T	T	S	S	S
46	Colacium	Euglenales	Euglenophyceae	0,098	30	T	T	S	S	S
3	Achnantheidium	Pennales	Bacillariophyceae	0,100	54	T	T	S	S	S
121	Paulschulzia	Tetrasporales	Chlorophyceae	0,121	294	T	T	S	S	S
15	Aphanothece	Chroococcales	Cyanophyceae	0,154	195	T	T	S	S	S
49	Crucigeniella	Chlorococcales	Chlorophyceae	0,170	750	T	T	S	S	S
24	Chlamydomonas	Volvocales	Chlorophyceae	0,182	1543	T	T	T	S	S

50	Cryptomonas		Cryptomonadales	Cryptophyceae	0,189	41	T	T	T	S	S
77	Glenodinium		Peridinales	Dinophyceae	0,192	835	T	T	T	S	S
73	Fragilaria		Pennales	Bacillariophyceae	0,317	147	T	T	T	S	S
51	Cyanodictyon		Chroococcales	Cyanophyceae	0,318	20	T	T	T	S	S
92	Katodinium		Gymnodinales	Dinophyceae	0,343	50	T	T	T	S	S
58	Cymbella		Pennales	Bacillariophyceae	0,353	82	T	T	T	S	S
43	Coenochloris		Chlorococcales	Chlorophyceae	0,372	43	VT	T	T	S	S
8	Amphora		Pennales	Bacillariophyceae	0,463	202	VT	T	T	T	S
11	Ankistrodesmus		Chlorococcales	Chlorophyceae	0,470	592	VT	T	T	T	S
200	Tetraedron		Chlorococcales	Chlorophyceae	0,476	21	VT	T	T	T	S
90	Gyrosigma		Pennales	Bacillariophyceae	0,490	7	VT	T	T	T	S
213	Westella		Chlorococcales	Chlorophyceae	0,503	22	VT	T	T	T	S
74	Franceia		Chlorococcales	Chlorophyceae	0,504	618	VT	T	T	T	S
183	Staurastrum		Desmidiales	Conjugatophyceae	0,526	392	VT	T	T	T	S
29	Chroococcus		Chroococcales	Cyanophyceae	0,559	9	VT	T	T	T	S
78	Gloeocapsa		Chroococcales	Cyanophyceae	0,559	120	VT	T	T	T	S
1	Acanthoceras		Centrales	Bacillariophyceae	0,561	362	VT	T	T	T	S
14	Aphanocapsa		Chroococcales	Cyanophyceae	0,562	133	VT	T	T	T	S
146	R0422	Pennales	Pennales	Bacillariophyceae	0,577	14	VT	T	T	T	S
94	Keratococcus		Chlorococcales	Chlorophyceae	0,579	17	VT	T	T	T	S
118	Ophiocytium		Mischococcales	Xanthophyceae	0,582	779	VT	T	T	T	S
22	Ceratium		Peridinales	Dinophyceae	0,583	105	VT	T	T	T	S
170	Rhodomonas		Cryptomonadales	Cryptophyceae	0,632	130	VT	T	T	T	S
61	Didymocystis		Chlorococcales	Chlorophyceae	0,637	11	VT	T	T	T	S
87	Gonium		Volvocales	Chlorophyceae	0,671	184	VT	VT	T	T	T
111	Navicula		Pennales	Bacillariophyceae	0,687	98	VT	VT	T	T	T
69	Eudorina		Volvocales	Chlorophyceae	0,694	64	VT	VT	T	T	T
130	Planctonema		Ultrichales	Ulvophyceae	0,730	616	VT	VT	T	T	T
39	Closterium		Desmidiales	Conjugatophyceae	0,732	44	VT	VT	T	T	T
132	Planktosphaeria		Chlorococcales	Chlorophyceae	0,755	21	VT	VT	T	T	T
67	Erkenia		Chromulinales	Chrysophyceae	0,797	115	VT	VT	T	T	T
42	Coelosphaerium		Chroococcales	Cyanophyceae	0,827	195	VT	VT	T	T	T

165	R2711	Plagioselmis	Cryptomonadales	Cryptophyceae	0,831	34	VT	VT	T	T	T
198	Tetrachlorella		Chlorococcales	Chlorophyceae	0,832	200	VT	VT	T	T	T
154	R1514	Chroococcales	Chroococcales	Cyanophyceae	0,838	794	VT	VT	T	T	T
17	Aulacoseira		Centrales	Bacillariophyceae	0,847	549	VT	VT	T	T	T
208	Ulnaria		Pennales	Bacillariophyceae	0,881	11	VT	VT	T	T	T
162	R2602	Bacillariales	Bacillariales	Bacillariophyceae	0,886	31	VT	VT	T	T	T
84	Gomphonema		Pennales	Bacillariophyceae	0,903	15	VT	VT	T	T	T
194	Synechocystis		Chroococcales	Cyanophyceae	0,920	126	VT	VT	VT	T	T
149	R0989	Volvocales	Volvocales	Chlorophyceae	0,930	254	VT	VT	VT	T	T
160	R1793	Phytoplankton, unidentified			0,948	8	VT	VT	VT	T	T
45	Coenocystis		Chlorococcales	Chlorophyceae	0,980	866	VT	VT	VT	T	T
9	Anabaena		Nostocales	Cyanophyceae	0,984	26	VT	VT	VT	T	T
136	Pseudogoniochloris		Mischococcales	Xanthophyceae	0,985	30	VT	VT	VT	T	T
21	Centritractus		Mischococcales	Xanthophyceae	0,992	17	VT	VT	VT	T	T
161	R1861	Xanthophyceae		Xanthophyceae	0,998	36	VT	VT	VT	T	T
201	Tetraselmis		Volvocales	Chlorophyceae	1,015	15	VT	VT	VT	T	T
212	Volvox		Volvocales	Chlorophyceae	1,032	41	VT	VT	VT	T	T
82	Golenkinia		Chlorococcales	Chlorophyceae	1,053	85	VT	VT	VT	T	T
205	Treubaria		Chlorococcales	Chlorophyceae	1,054	27	VT	VT	VT	T	T
152	R1410	Cryptomonadales	Cryptomonadales	Cryptophyceae	1,055	220	VT	VT	VT	T	T
95	Kirchneriella		Chlorococcales	Chlorophyceae	1,056	411	VT	VT	VT	T	T
145	R0071	Centrales	Centrales	Bacillariophyceae	1,063	361	VT	VT	VT	T	T
41	Coelastrum		Chlorococcales	Chlorophyceae	1,078	158	VT	VT	VT	T	T
59	Diatoma		Pennales	Bacillariophyceae	1,082	41	VT	VT	VT	T	T
140	Pseudostaurastrum		Mischococcales	Xanthophyceae	1,095	176	VT	VT	VT	T	T
202	Tetrastrum		Chlorococcales	Chlorophyceae	1,100	27	VT	VT	VT	T	T
206	Tribonema		Tribonematales	Xanthophyceae	1,124	80	VT	VT	VT	VT	T
125	Phacotus		Volvocales	Chlorophyceae	1,134	67	VT	VT	VT	VT	T
40	Cocconeis		Pennales	Bacillariophyceae	1,148	47	VT	VT	VT	VT	T
193	Synechococcus		Chroococcales	Cyanophyceae	1,167	11	VT	VT	VT	VT	T

192	Syncrypta		Chromulinales	Chrysophyceae	1,195	391	VT	VT	VT	VT	T
204	Trachelomonas		Euglenales	Euglenophyceae	1,227	8	VT	VT	VT	VT	T
81	Gloetrichia		Nostocales	Cyanophyceae	1,232	58	VT	VT	VT	VT	T
207	Trichormus		Nostocales	Cyanophyceae	1,248	572	VT	VT	VT	VT	T
122	Pediastrum		Chlorococcales	Chlorophyceae	1,260	5	VT	VT	VT	VT	T
52	Cyanonephron		Chroococcales	Cyanophyceae	1,289	170	VT	VT	VT	VT	T
97	Lagerheimia		Chlorococcales	Chlorophyceae	1,306	128	VT	VT	VT	VT	T
148	R0905	Chlorophyceae		Chlorophyceae	1,336	854	VT	VT	VT	VT	T
172	Scenedesmus		Chlorococcales	Chlorophyceae	1,340	16	VT	VT	VT	VT	T
100	Lyngbya		Oscillatoriales	Cyanophyceae	1,345	25	VT	VT	VT	VT	T
114	Nephroselmis		Polyblepharidales	Prasinophyceae	1,363	55	VT	VT	VT	VT	T
85	Gomphosphaeria		Chroococcales	Cyanophyceae	1,363	41	VT	VT	VT	VT	T
4	Achroonema			Cyanophyceae	1,364	17	VT	VT	VT	VT	T
27	Chlorotetraedron		Chlorococcales	Chlorophyceae	1,367	88	VT	VT	VT	VT	T
25	Chlorella		Chlorellales	Trebouxiophyceae	1,373	450	VT	VT	VT	VT	T
133	Planktothrix		Oscillatoriales	Cyanophyceae	1,416	321	VT	VT	VT	VT	VT
187	Stephanodiscus		Centrales	Bacillariophyceae	1,427	11	VT	VT	VT	VT	VT
209	Ulothrix		Ulotrichales	Ulvophyceae	1,430	190	VT	VT	VT	VT	VT
99	Limnothrix		Oscillatoriales	Cyanophyceae	1,441	61	VT	VT	VT	VT	VT
104	Micractinium		Chlorococcales	Chlorophyceae	1,444	162	VT	VT	VT	VT	VT
157	R1638	Cyanophyceae		Cyanophyceae	1,455	105	VT	VT	VT	VT	VT
173	Schroederia		Chlorococcales	Chlorophyceae	1,477	223	VT	VT	VT	VT	VT
131	Planktolynngbya		Oscillatoriales	Cyanophyceae	1,513	66	VT	VT	VT	VT	VT
153	R1412	Cryptophyceae		Cryptophyceae	1,562	315	VT	VT	VT	VT	VT
134	Pseudanabaena		Oscillatoriales	Cyanophyceae	1,570	169	VT	VT	VT	VT	VT
119	Oscillatoria		Oscillatoriales	Cyanophyceae	1,575	13	VT	VT	VT	VT	VT
57	Cymatopleura		Pennales	Bacillariophyceae	1,577	569	VT	VT	VT	VT	VT
13	Aphanizomenon		Nostocales	Cyanophyceae	1,595	58	VT	VT	VT	VT	VT
38	Closteriopsis		Chlorococcales	Chlorophyceae	1,595	58	VT	VT	VT	VT	VT
156	R1628	Oscillatoriales	Oscillatoriales	Cyanophyceae	1,600	26	VT	VT	VT	VT	VT
191	Surirella		Pennales	Bacillariophyceae	1,626	17	VT	VT	VT	VT	VT

127	Phormidium		Oscillatoriales	Cyanophyceae	1,666	467	VT	VT	VT	VT	VT
115	Nitzschia		Pennales	Bacillariophyceae	1,674	21	VT	VT	VT	VT	VT
159	R1781	Euglenophyceae		Euglenophyceae	1,689	18	VT	VT	VT	VT	VT
188	Stichococcus		Prasiolales	Trebouxiophyceae	1,708	47	VT	VT	VT	VT	VT
102	Melosira		Centrales	Bacillariophyceae	1,711	10	VT	VT	VT	VT	VT
83	Golenkiniopsis		Chlorococcales	Chlorophyceae	1,752	143	VT	VT	VT	VT	VT
120	Pandorina		Volvocales	Chlorophyceae	1,763	27	VT	VT	VT	VT	VT
175	Siderocelis		Chlorococcales	Chlorophyceae	1,787	430	VT	VT	VT	VT	VT
105	Microcystis		Chroococcales	Cyanophyceae	1,788	56	VT	VT	VT	VT	VT
186	Staurisira		Pennales	Bacillariophyceae	1,801	151	VT	VT	VT	VT	VT
126	Phacus		Euglenales	Euglenophyceae	1,912	15	VT	VT	VT	VT	VT
98	Lepocinclis		Euglenales	Euglenophyceae	1,951	55	VT	VT	VT	VT	VT
86	Goniochloris		Mischococcales	Xanthophyceae	1,984	19	VT	VT	VT	VT	VT
72	Eutetramorus		Chlorococcales	Chlorophyceae	2,048	42	VT	VT	VT	VT	VT
141	Pteromonas		Volvocales	Chlorophyceae	2,053	246	VT	VT	VT	VT	VT
70	Euglena		Euglenales	Euglenophyceae	2,095	51	VT	VT	VT	VT	VT
55	Cylindrospermopsis		Nostocales	Cyanophyceae	2,121	24	VT	VT	VT	VT	VT
56	Cylindrotheca		Pennales	Bacillariophyceae	2,132	28	VT	VT	VT	VT	VT
178	Spermatozopsis		Volvocales	Chlorophyceae	2,214	85	VT	VT	VT	VT	VT
53	Cyclostephanos		Centrales	Bacillariophyceae	2,223	43	VT	VT	VT	VT	VT
108	Monomorphina		Euglenales	Euglenophyceae	2,296	17	VT	VT	VT	VT	VT
143	Quadricoccus		Chlorococcales	Chlorophyceae	2,519	13	VT	VT	VT	VT	VT
185	Stauroneis		Pennales	Bacillariophyceae	2,554	114	VT	VT	VT	VT	VT
5	Actinastrum		Chlorococcales	Chlorophyceae	2,608	20	VT	VT	VT	VT	VT
26	Chlorogonium		Volvocales	Chlorophyceae	2,624	13	VT	VT	VT	VT	VT
76	Geitlerinema		Oscillatoriales	Cyanophyceae	2,695	49	VT	VT	VT	VT	VT
176	Skeletonema		Centrales	Bacillariophyceae	2,853	5	VT	VT	VT	VT	VT
135	Pseudodictyosphaerium		Chlorococcales	Chlorophyceae	2,870	11	VT	VT	VT	VT	VT
181	Spirulina		Oscillatoriales	Cyanophyceae	2,954	11	VT	VT	VT	VT	VT
203	Thalassiosira		Centrales	Bacillariophyceae	3,035	18	VT	VT	VT	VT	VT
171	Romeria		Oscillatoriales	Cyanophyceae	3,035	39	VT	VT	VT	VT	VT
10	Anabaenopsis		Nostocales	Cyanophyceae	3,311	24	VT	VT	VT	VT	VT

112	Nephrochlamys
6	Actinocyclus
190	Strombomonas
63	Diplochlois

Chlorococcales	Chlorophyceae	3,322	48	VT	VT	VT	VT	VT
Centrales	Bacillariophyceae	3,430	9	VT	VT	VT	VT	VT
Euglenales	Euglenophyceae	3,715	25	VT	VT	VT	VT	VT
Chlorococcales	Chlorophyceae	3,853		VT	VT	VT	VT	VT