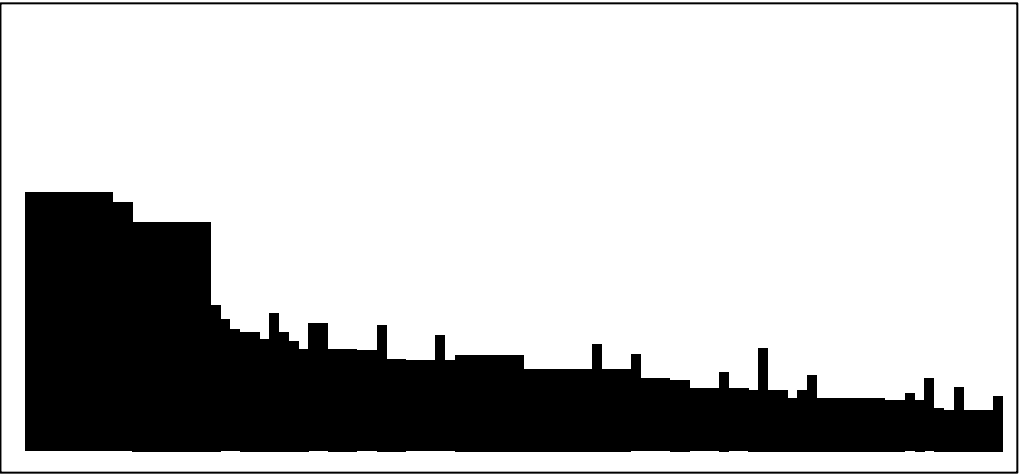


OTU\_206;size=1468;.csv

Gomphonema parvulum

Gomphonemataceae

92.13



Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	92.13	99.54	1.09036e-81	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	92.13	99.54	1.09036e-81	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	92.13	99.54	1.09036e-81	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	92.13	99.54	1.09036e-81	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	92.13	99.54	1.09036e-81	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	92.13	99.54	1.09036e-81	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	92.13	99.54	1.09036e-81	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	92.13	99.54	1.09036e-81	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	92.13	99.54	1.09036e-81	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	91.67	99.54	1.32833e-80	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	91.67	99.54	1.32833e-80	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC734 cytochrome oxida	JQ354725	90.74	99.54	6.88092e-78	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC494 cytochrome oxida	JQ354716	90.74	99.54	6.88092e-78	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC492 cytochrome oxida	JQ354715	90.74	99.54	6.88092e-78	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC482 cytochrome oxida	JQ354714	90.74	99.54	6.88092e-78	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC428 cytochrome oxida	JQ354696	90.74	99.54	6.88092e-78	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC436 cytochrome oxida	JQ354703	90.74	99.54	6.88092e-78	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC434 cytochrome oxida	JQ354702	90.74	99.54	6.88092e-78	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC426 cytochrome oxida	JQ354695	90.74	99.54	6.88092e-78	Gomphonemataceae	Gomphonema parvulum
Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu	JN418688	86.85	98.16	2.10675e-65	Naviculales	Pinnulariaceae
Pinnularia cf. marchica strain (Ecrins4)a cytochro	JN418676	86.18	100	7.35328e-65	Naviculales	Pinnulariaceae
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	85.71	100	3.12669e-63	Naviculales	Pinnulariaceae
Sellaphora pupula clone LE D35 cytochrome oxidase	KC911838	85.58	99.08	3.80909e-62	Naviculales	Sellaphoraceae
Sellaphora pupula clone LE J9 cytochrome oxidase s	KC911837	85.58	99.08	3.80909e-62	Naviculales	Sellaphoraceae
Pinnularia sp. 12 CS-2011 cytochrome c oxidase sub	JN418702	85.25	100	3.80909e-62	Naviculales	Pinnulariaceae
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	86.47	95.39	3.80909e-62	Naviculales	Pinnulariaceae
Sellaphora pupula voucher RBGE_28_28 cytochrome ox	HQ317105	85.58	99.08	3.80909e-62	Naviculales	Sellaphoraceae
Mayamaea atomus var. perinitis strain (Wes2)f cytoc	JN418700	85.19	99.54	1.3295e-61	Naviculales	Naviculaceae
Mayamaea perinitis clone TCC540 cytochrome oxidase	KC736646	84.79	100	1.61967e-60	Naviculales	Naviculaceae
Gomphonema clevei strain TCC507 cytochrome oxidase	JQ354718	85.99	95.39	1.61967e-60	Gomphonemataceae	Gomphonemataceae
Gomphonema clevei strain TCC469 cytochrome oxidase	JQ354710	85.99	95.39	1.61967e-60	Gomphonemataceae	Gomphonemataceae
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	84.79	100	1.61967e-60	Naviculales	Pinnulariaceae
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	84.79	100	1.61967e-60	Naviculales	Pinnulariaceae
Pinnularia sp. 8 CS-2011 cytochrome c oxidase subu	JN418685	84.79	100	1.61967e-60	Naviculales	Pinnulariaceae
Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	84.72	99.54	5.6532e-60	Naviculales	Pinnulariaceae
Pinnularia subcapitata var. elongata strain (Wie)c	JN418682	84.72	99.54	5.6532e-60	Naviculales	Pinnulariaceae
Navicula sp. CCMP2562 cytochrome oxidase subunit 1	HQ317077	85.92	94.93	5.6532e-60	Naviculales	Naviculaceae
Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	84.33	100	1.97316e-59	Naviculales	Pinnulariaceae
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	84.33	100	1.97316e-59	Naviculales	Pinnulariaceae
Sellaphora auldreekie clone Sel7751INV cytochrome o	KC911820	84.26	99.54	6.887e-59	Naviculales	Sellaphoraceae
Sellaphora auldreekie clone Sel7811INV cytochrome o	KC911819	84.26	99.54	6.887e-59	Naviculales	Sellaphoraceae
Sellaphora auldreekie clone Sel7761INV cytochrome o	KC911818	84.26	99.54	6.887e-59	Naviculales	Sellaphoraceae
Pinnularia subcommutata var. nonfasciata strain Co	JN418686	85.44	94.93	6.887e-59	Naviculales	Pinnulariaceae
Sellaphora auldreekie voucher E3652 clone BLA2 cyt	EF164932	84.26	99.54	6.887e-59	Naviculales	Sellaphoraceae
Sellaphora pupula clone Sel618K cytochrome oxidase	KC911828	84.51	98.16	2.4038e-58	Naviculales	Sellaphoraceae
Sellaphora pupula clone Sel629K cytochrome oxidase	KC911824	84.51	98.16	2.4038e-58	Naviculales	Sellaphoraceae
Sellaphora pupula clone KewA3 cytochrome oxidase s	KC911823	84.51	98.16	2.4038e-58	Naviculales	Sellaphoraceae
Sellaphora pupula clone Sel630K cytochrome oxidase	KC911822	84.51	98.16	2.4038e-58	Naviculales	Sellaphoraceae
Sellaphora pupula clone Sel624K cytochrome oxidase	KC911821	84.51	98.16	2.4038e-58	Naviculales	Sellaphoraceae
Pinnularia sp. 3 CS-2011 cytochrome c oxidase subu	JN418681	84.51	98.16	2.4038e-58	Naviculales	Pinnulariaceae
Sellaphora pupula voucher RBGE_Kew21 cytochrome ox	HQ317094	84.51	98.16	2.4038e-58	Naviculales	Sellaphoraceae
Sellaphora pupula clone mm120 cytochrome oxidase s	KC911839	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae
Sellaphora pupula clone BolinA10 cytochrome oxidas	KC911836	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae
Sellaphora pupula clone Sel627K cytochrome oxidase	KC911835	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae
Sellaphora pupula clone Sel620K cytochrome oxidase	KC911834	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae
Sellaphora pupula clone BolinA4 cytochrome oxidase	KC911833	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae
Sellaphora pupula clone BolinA2 cytochrome oxidase	KC911832	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	83.87	100	8.39009e-58	Naviculales	Pinnulariaceae
Pinnularia cf. isselana strain Cal 878 TM cytochro	JN418694	85.02	95.39	8.39009e-58	Naviculales	Pinnulariaceae
Pinnularia sp. 2 CS-2011 cytochrome c oxidase subu	JN418680	83.87	100	8.39009e-58	Naviculales	Pinnulariaceae
Sellaphora pupula voucher RBGE_SEL642K cytochrome	HQ317107	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae
Sellaphora pupula voucher RBGE_mm111 cytochrome ox	HQ317106	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae
Pinnularia sp. 10 CS-2011 cytochrome c oxidase sub	JN418692	84.54	95.39	1.02212e-56	Naviculales	Pinnulariaceae
Sellaphora pupula voucher RBGE_O37 cytochrome oxid	HQ317099	83.41	100	1.02212e-56	Naviculales	Sellaphoraceae
Sellaphora laevisissima voucher E3651 clone THR4 cyt	EF164943	83.41	100	1.02212e-56	Naviculales	Sellaphoraceae
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	83.41	100	1.02212e-56	Naviculales	Sellaphoraceae
Sellaphora seminulum clone TCC461 cytochrome oxida	KC736653	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae
Sellaphora pupula voucher E3638 clone DUN7 cytochr	EF164936	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae
Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	82.95	100	4.34617e-55	Naviculales	Pinnulariaceae
Pinnularia sp. 6 CS-2011 cytochrome c oxidase subu	JN418684	82.95	100	4.34617e-55	Naviculales	Pinnulariaceae
Sellaphora pupula voucher RBGE_BB94 cytochrome oxi	HQ317096	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae
Navicula glaciei culture-collection CCMP:2743 cyto	HQ317072	83.73	100	4.34617e-55	Naviculales	Naviculaceae
Sellaphora pupula voucher E3325 clone GER1 cytochr	EF164955	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae
Sellaphora pupula voucher E3628 clone THR8 cytochr	EF164950	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae
Berkeleya fennica mitochondrion, complete genome	KM886611	82.87	99.54	1.51696e-54	Naviculales	Berkeleyaceae
Lithodesmium variabile strain 30 cytochrome oxidas	KJ671735	84.85	91.24	1.51696e-54	Lithodesmiales	Lithodesmiaceae
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	82.87	99.54	1.51696e-54	Naviculales	Pinnulariaceae
Pinnularia neomajor strain (Tor1)a cytochrome c ox	JN418677	82.87	99.54	1.51696e-54	Naviculales	Pinnulariaceae
Sellaphora pupula voucher RBGE_B155 cytochrome oxi	HQ317095	82.49	100	1.51696e-54	Naviculales	Sellaphoraceae
Sellaphora cf. seminulum voucher E3168 clone TM37	EF164956	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae
Frustulia vulgaris mitochondrion partial COI gene	HF562256	83.57	95.39	5.29472e-54	Naviculales	Amphipleuraceae
Fallacia sp. Baikal_260 mitochondrion cox1 gene fo	AB618071	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae
Pinnularia sp. 11 CS-2011 cytochrome c oxidase sub	JN418695	82.49	100	5.29472e-54	Naviculales	Pinnulariaceae
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	82.49	100	5.29472e-54	Naviculales	Pinnulariaceae
Pinnularia nodosa strain Pin 885 TM cytochrome c o	JN418689	82.49	100	5.29472e-54	Naviculales	Pinnulariaceae
Sellaphora pupula voucher RBGE_O60 cytochrome oxid	HQ317103	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae
Sellaphora pupula voucher E3642 clone THR10 cytoch	EF164952	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae
Pinnularia cf. gibba voucher E3603 clone 12 cytoch	EF164938	82.49	100	5.29472e-54	Naviculales	Pinnulariaceae
Pluteus pseudorobertii voucher TRTC52355 cytochrom	JN029495	82.41	99.54	1.84804e-53	Agaricales	Pluteaceae
Pluteus pellitus voucher TRTC052589 cytochrome oxi	JN029492	82.41	99.54	1.84804e-53	Agaricales	Pluteaceae
Navicula cryptocephala culture-collection CCMP:251	HQ317071	82.71	98.62	1.84804e-53	Naviculales	Naviculaceae
Sellaphora pupula voucher E3415 clone THR11 cytoch	EF164945	82.41	99.54	1.84804e-53	Naviculales	Sellaphoraceae
Sellaphora pupula voucher RBGE_SEL846L cytochrome	HQ317108	83.41	94.47	6.45029e-53	Naviculales	Sellaphoraceae
Sellaphora pupula voucher E3634 clone BLA14 cytoch	EF164944	82.03	100	2.25137e-52	Naviculales	Sellaphoraceae
Fistulifera solaris mitochondrion, complete genome	KT363689	81.94	99.54	7.85806e-52	Naviculales	Naviculaceae
Pleurosigma strigosum strain X cytochrome oxidase	KJ671738	83.01	94.93	7.85806e-52	Naviculales	Pleurosigmataceae
Pluteus cervinus voucher TRTC154079 cytochrome oxi	JN029487	81.94	99.54	7.85806e-52	Agaricales	Pluteaceae
Pluteus cervinus voucher TRTC156990 cytochrome oxi	JN029486	81.94	99.54	7.85806e-52	Agaricales	Pluteaceae
Pluteus cervinus voucher TRTC156922 cytochrome oxi	JN029485	81.94	99.54	7.85806e-52	Agaricales	Pluteaceae
Plagiogramma sp. IAL-2014a voucher Van5.4 cytochro	KF768028	82.61	95.39	2.74273e-51	Triceratales	Plagiogrammataceae