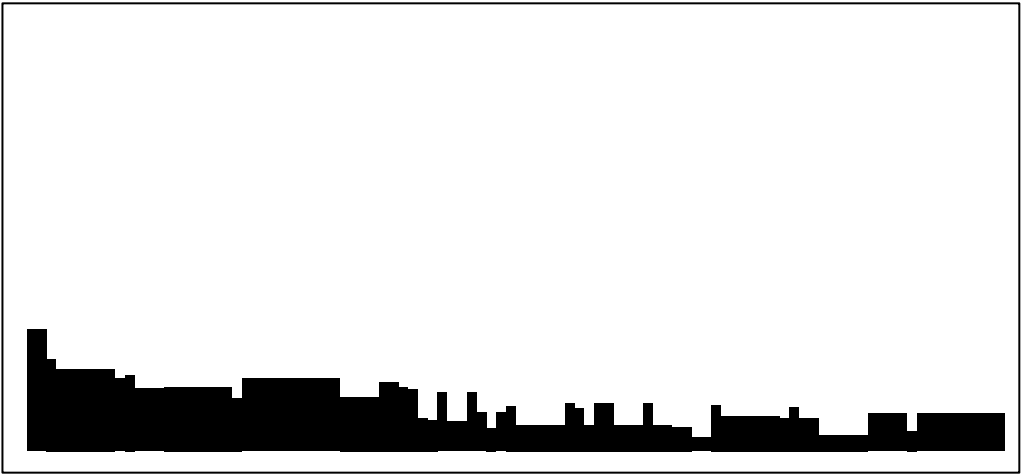


OTU_161;size=2550;.csv

Gomphonema clevei

Gomphonemataceae

85.71



Gomphonema clevei strain TCC507 cytochrome oxidase	JQ354718	85.71	96.77	4.64043e-61		Gomphonemataceae	Gomphonema clevei
Gomphonema clevei strain TCC469 cytochrome oxidase	JQ354710	85.71	96.77	4.64043e-61		Gomphonemataceae	Gomphonema clevei
Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	84.33	100	1.97316e-59	Naviculales	Pinnulariaceae	Pinnularia subanglica
Sellaphora pupula clone Sel618K cytochrome oxidase	KC911828	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel629K cytochrome oxidase	KC911824	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone KewA3 cytochrome oxidase s	KC911823	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel630K cytochrome oxidase	KC911822	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel624K cytochrome oxidase	KC911821	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_Kew21 cytochrome ox	HQ317094	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	83.41	100	1.02212e-56	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Sellaphora pupula voucher RBGE_BB94 cytochrome oxi	HQ317096	83.57	98.16	1.2452e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	82.95	100	4.34617e-55	Naviculales	Pinnulariaceae	Pinnularia neglectiformis
Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu	JN418688	82.95	100	4.34617e-55	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS-2011
Pinnularia cf. gibba voucher E3603 clone 12 cytoch	EF164938	82.95	100	4.34617e-55	Naviculales	Pinnulariaceae	Pinnularia cf. gibba
Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	83.02	97.7	5.29472e-54		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	83.02	97.7	5.29472e-54		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	83.02	97.7	5.29472e-54		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	83.02	97.7	5.29472e-54		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	83.02	97.7	5.29472e-54		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	83.02	97.7	5.29472e-54		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	83.02	97.7	5.29472e-54		Gomphonemataceae	Gomphonema parvulum
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	82.49	100	5.29472e-54	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS-2011
Gomphonema parvulum strain TCC734 cytochrome oxida	JQ354725	83.41	94.47	6.45029e-53		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	83.41	94.47	6.45029e-53		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	83.41	94.47	6.45029e-53		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC494 cytochrome oxida	JQ354716	83.41	94.47	6.45029e-53		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC492 cytochrome oxida	JQ354715	83.41	94.47	6.45029e-53		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC482 cytochrome oxida	JQ354714	83.41	94.47	6.45029e-53		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC428 cytochrome oxida	JQ354696	83.41	94.47	6.45029e-53		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC436 cytochrome oxida	JQ354703	83.41	94.47	6.45029e-53		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC434 cytochrome oxida	JQ354702	83.41	94.47	6.45029e-53		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC426 cytochrome oxida	JQ354695	83.41	94.47	6.45029e-53		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	82.55	97.7	2.25137e-52		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	82.55	97.7	2.25137e-52		Gomphonemataceae	Gomphonema parvulum
Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	82.55	97.7	2.25137e-52	Naviculales	Pinnulariaceae	Pinnularia neomajor
Pinnularia subcapitata var. elongata strain (Wie)c	JN418682	82.55	97.7	2.25137e-52	Naviculales	Pinnulariaceae	Pinnularia subcapitata var. elongata
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	83.25	93.55	7.85806e-52	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia sp. 12 CS-2011 cytochrome c oxidase sub	JN418702	83.25	93.55	7.85806e-52	Naviculales	Pinnulariaceae	Pinnularia sp. 12 CS-2011
Pinnularia sp. 10 CS-2011 cytochrome c oxidase sub	JN418692	83.01	94.93	7.85806e-52	Naviculales	Pinnulariaceae	Pinnularia sp. 10 CS-2011
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	82.93	94.47	2.74273e-51	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia nodosa strain Pin 885 TM cytochrome c o	JN418689	81.57	100	2.74273e-51	Naviculales	Pinnulariaceae	Pinnularia nodosa
Navicula cryptocephala culture-collection CCMP:251	HQ317071	81.48	99.54	9.57308e-51	Naviculales	Naviculaceae	Navicula cryptocephala
Sellaphora laevisissima mitochondrial cox1 gene fo	AB971666	82.76	93.55	3.34133e-50	Naviculales	Sellaphoraceae	Sellaphora laevisissima
Nitzschia palea mitochondrial partial cox1 gene fo	FN557048	81.4	99.08	3.34133e-50	Bacillariales	Bacillariaceae	Nitzschia palea
Nitzschia palea Brazil mitochondrial partial cox1	FN557039	81.4	99.08	3.34133e-50	Bacillariales	Bacillariaceae	Nitzschia palea
Sellaphora laevisissima voucher E3174 clone THR2 cyt	EF164931	82.76	93.55	3.34133e-50	Naviculales	Bacillariaceae	Sellaphora laevisissima
Arthropoda environmental sample clone HENBPVM09FM6	KC266534	81.82	96.31	1.16624e-49			Arthropoda environmental sample
Pinnularia sp. 11 CS-2011 cytochrome c oxidase sub	JN418695	81.11	100	1.16624e-49	Naviculales	Pinnulariaceae	Pinnularia sp. 11 CS-2011
Navicula glaciei culture-collection CCMP:2743 cyto	HQ317072	81.82	96.31	1.16624e-49	Naviculales	Naviculaceae	Navicula glaciei
Sellaphora cf. seminulum voucher E3168 clone TM37	EF164956	82.13	95.39	1.16624e-49	Naviculales	Sellaphoraceae	Sellaphora cf. seminulum
Sellaphora pupula clone BolinA10 cytochrome oxidas	KC911836	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel627K cytochrome oxidase	KC911835	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel620K cytochrome oxidase	KC911834	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA4 cytochrome oxidase	KC911833	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA2 cytochrome oxidase	KC911832	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia sp. 8 CS-2011 cytochrome c oxidase subu	JN418685	82.27	93.55	4.07058e-49	Naviculales	Pinnulariaceae	Pinnularia sp. 8 CS-2011
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	82.04	94.93	4.07058e-49	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Sellaphora pupula voucher RBGE_SEL642K cytochrome	HQ317107	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_O60 cytochrome oxid	HQ317103	82.27	93.55	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_O68 cytochrome oxid	HQ317102	82.27	93.55	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora bacillum cytochrome oxidase subunit I (FJ042925	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3640 clone BLA4 cytoc	EF164941	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora laevisissima voucher E3651 clone THR4 cyt	EF164943	82.27	93.55	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora laevisissima
Sellaphora bacillum voucher E3149 clone ST-MAR1 cy	EF164930	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	81.22	98.16	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Mayamaea atomus var. permissis strain (Wes2)f cytoc	JN418700	81.13	97.7	1.42077e-48	Naviculales	Naviculaceae	Mayamaea permissis
Pinnularia cf. isselana strain Cal 878 TM cytochro	JN418694	81.13	97.7	1.42077e-48	Naviculales	Pinnulariaceae	Pinnularia cf. isselana
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	80.65	100	1.42077e-48	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	80.65	100	1.42077e-48	Naviculales	Pinnulariaceae	Pinnularia grunowii
Pinnularia subcommutata var. nonfasciata strain Co	JN418686	82.18	93.09	1.42077e-48	Naviculales	Pinnulariaceae	Pinnularia subcommutata var. nonfasciata
Sellaphora pupula voucher RBGE_Pd131 cytochrome ox	HQ317097	81.64	95.39	1.42077e-48	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora sp. KME-2009a voucher E3778 cytochrome	GQ374576	81.64	95.39	1.42077e-48	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4329 cytochrome	GQ374573	81.64	95.39	1.42077e-48	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4362 cytochrome	GQ374574	81.64	95.39	1.42077e-48	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora pupula voucher E3634 clone BLA14 cytoch	EF164944	81.64	95.39	1.42077e-48	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3024 clone RBG1 cytochr	EF164957	81.64	95.39	1.42077e-48	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora sp. E4391 cytochrome oxidase subunit 1	HQ317089	81.55	94.93	4.95898e-48	Naviculales	Sellaphoraceae	Sellaphora caput
Sellaphora pupula voucher RBGE_SEL846L cytochrome	HQ317108	82.09	92.63	4.95898e-48	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora sp. E4391 cytochrome oxidase subunit I	FJ042926	81.55	94.93	4.95898e-48	Naviculales	Sellaphoraceae	Sellaphora caput
Sellaphora sp. E4391 cytochrome oxidase subunit I	FJ151419	81.55	94.93	4.95898e-48	Naviculales	Sellaphoraceae	Sellaphora caput
Sellaphora auldreekie clone Sel775INV cytochrome o	KC911820	80.75	98.16	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora auldreekie clone Sel781INV cytochrome o	KC911819	80.75	98.16	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora auldreekie clone Sel776INV cytochrome o	KC911818	80.75	98.16	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Mayamaea permissis clone TCC540 cytochrome oxidase	KC736646	80.75	98.16	1.73085e-47	Naviculales	Naviculaceae	Mayamaea permissis
Fallacia sp. Baikal_260 mitochondrial cox1 gene fo	AB618071	80.75	98.16	1.73085e-47	Naviculales	Sellaphoraceae	Fallacia sp. Baikal_260
Sellaphora sp. Sel28/6 mitochondrial COX1 gene fo	AB617704	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora sp. Sel28/6
Sellaphora blackfordensis strain (Bfp5x8)F1-3 cyto	JN418699	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	81.77	93.55	1.73085e-47	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Sellaphora pupula voucher RBGE_28_36 cytochrome ox	HQ317100	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora pupula
Nitzschia frustulum culture-collection CCMP:558 cy	HQ317083	80.95	96.77	1.73085e-47	Bacillariales	Bacillariaceae	Nitzschia frustulum
Sellaphora blackfordensis voucher E4271 cytochrome	FJ042937	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E2635 cytochrome	FJ042929	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4291 cytochrome	FJ042935	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis cytochrome oxidase subun	FJ042934	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4358 cytochrome	FJ042933	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E673R cytochrome	FJ042932	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4359 cytochrome	FJ042931	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4357 cytochrome	FJ042930	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E3980 cytochrome	FJ042928	81.77	93.55	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora blackfordensis