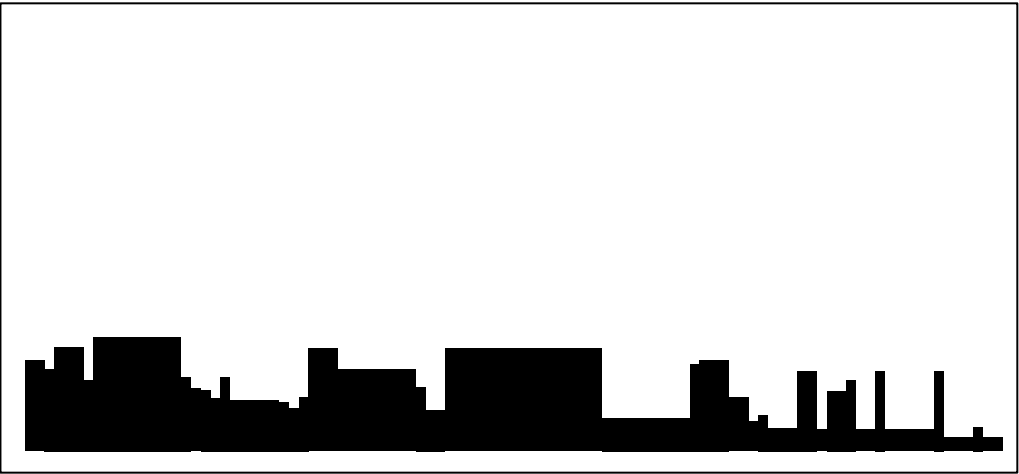


OTU_221;size=1113;.csv

Gomphonema clevei

Gomphonemataceae

84.26



Gomphonema clevei strain TCC507 cytochrome oxidase	JQ354718	84.26	99.54	6.887e-59		Gomphonemataceae	Gomphonema clevei
Gomphonema clevei strain TCC469 cytochrome oxidase	JQ354710	84.26	99.54	6.887e-59		Gomphonemataceae	Gomphonema clevei
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	83.87	100	8.39009e-58	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Sellaphora pupula clone LE D35 cytochrome oxidase	KC911838	84.88	94.47	1.02212e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE J9 cytochrome oxidase s	KC911837	84.88	94.47	1.02212e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_28_28 cytochrome ox	HQ317105	84.88	94.47	1.02212e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora cf. minima voucher E3211 clone BM42 cyt	EF164929	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora cf. minima
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	85.35	91.24	1.2452e-55		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	85.35	91.24	1.2452e-55		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	85.35	91.24	1.2452e-55		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	85.35	91.24	1.2452e-55		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	85.35	91.24	1.2452e-55		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	85.35	91.24	1.2452e-55		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	85.35	91.24	1.2452e-55		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	85.35	91.24	1.2452e-55		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	85.35	91.24	1.2452e-55		Gomphonemataceae	Gomphonema parvulum
Berkeleya fennica mitochondrion, complete genome	KM886611	83.49	97.7	4.34617e-55	Naviculales	Berkeleyaceae	Berkeleya fennica
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	82.95	100	4.34617e-55	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Pinnularia subcommutata var. nonfasciata strain Co	JN418686	82.87	99.54	1.51696e-54	Naviculales	Pinnulariaceae	Pinnularia subcommutata var. nonfasciata
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Frustulia vulgaris mitochondrial partial COI gene	HF562256	83.5	94.93	1.84804e-53	Naviculales	Amphipleuraceae	Frustulia vulgaris
Pinnularia sp. 10 CS-2011 cytochrome c oxidase sub	JN418692	82.41	99.54	1.84804e-53	Naviculales	Pinnulariaceae	Pinnularia sp. 10 CS-2011
Sellaphora bacillum cytochrome oxidase subunit I (FJ042925	82.41	99.54	1.84804e-53	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	82.41	99.54	1.84804e-53	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3640 clone BLA4 cytoc	EF164941	82.41	99.54	1.84804e-53	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3149 clone ST-MAR1 cy	EF164930	82.41	99.54	1.84804e-53	Naviculales	Sellaphoraceae	Sellaphora bacillum
Entomoneis cf. alata voucher CCMP1522 cytochrome o	GQ844260	82.33	99.08	6.45029e-53		Entomoneidaceae	Entomoneis cf. alata
Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	82.03	100	2.25137e-52	Naviculales	Pinnulariaceae	Pinnularia subanglica
Pinnularia cf. altiplanensis strain (Tor11)b cytotc	JN418678	82.55	97.7	2.25137e-52	Naviculales	Pinnulariaceae	Pinnularia cf. altiplanensis
Sellaphora capitata strain W2_210 cytochrome c oxi	KT288177	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain W3_211 cytochrome c oxi	KT288171	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain FIN_240 cytochrome c ox	KT288158	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Gomphonema parvulum strain TCC734 cytochrome oxida	JQ354725	83.84	91.24	7.85806e-52		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC494 cytochrome oxida	JQ354716	83.84	91.24	7.85806e-52		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC492 cytochrome oxida	JQ354715	83.84	91.24	7.85806e-52		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC482 cytochrome oxida	JQ354714	83.84	91.24	7.85806e-52		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC428 cytochrome oxida	JQ354696	83.84	91.24	7.85806e-52		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC436 cytochrome oxida	JQ354703	83.84	91.24	7.85806e-52		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC434 cytochrome oxida	JQ354702	83.84	91.24	7.85806e-52		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC426 cytochrome oxida	JQ354695	83.84	91.24	7.85806e-52		Gomphonemataceae	Gomphonema parvulum
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	83.01	94.93	7.85806e-52	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia neomajor strain (Tor1)a cytochrome c ox	JN418677	81.94	99.54	7.85806e-52	Naviculales	Pinnulariaceae	Pinnularia neomajor
Sellaphora obesa voucher RBGE_SEL601As cytochrome	HQ317090	81.94	99.54	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora obesa
Sellaphora capitata voucher E4364 cytochrome oxida	FJ042922	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata voucher E4363 cytochrome oxida	FJ042921	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate DUN9 cytochrome oxidas	FJ042902	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER10 cytochrome oxida	FJ042919	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER23 cytochrome oxida	FJ042918	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER33 cytochrome oxida	FJ042917	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL11 cytochrome oxida	FJ042916	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL7 cytochrome oxidas	FJ042915	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL1 cytochrome oxidas	FJ042914	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER25 cytochrome oxida	FJ042913	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER16 cytochrome oxida	FJ042912	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate DUN10 cytochrome oxida	FJ042911	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate PUR9 cytochrome oxidas	FJ042910	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate LEV1 cytochrome oxidas	FJ042904	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER27 cytochrome oxida	FJ042903	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata voucher E3608 clone BLA18 cyto	EF164947	84.82	88.02	7.85806e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora pupula clone BolinA10 cytochrome oxidas	KC911836	81.57	100	2.74273e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel627K cytochrome oxidase	KC911835	81.57	100	2.74273e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel620K cytochrome oxidase	KC911834	81.57	100	2.74273e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA4 cytochrome oxidase	KC911833	81.57	100	2.74273e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA2 cytochrome oxidase	KC911832	81.57	100	2.74273e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	81.57	100	2.74273e-51	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Fallacia sp. Baikal_260 mitochondrial cox1 gene fo	AB618071	81.57	100	2.74273e-51	Naviculales	Sellaphoraceae	Fallacia sp. Baikal_260
Pinnularia sp. 2 CS-2011 cytochrome c oxidase subu	JN418680	81.57	100	2.74273e-51	Naviculales	Pinnulariaceae	Pinnularia sp. 2 CS-2011
Sellaphora pupula voucher RBGE_SEL642K cytochrome	HQ317107	81.57	100	2.74273e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3620 clone BEL2 cytochr	EF164933	84.1	89.86	2.74273e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora capitata strain W1m_1A10 cytochrome c o	KT288173	84.29	88.02	9.57308e-51	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain DES_77 cytochrome c oxi	KT288169	84.29	88.02	9.57308e-51	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain KIL2m_4A1 cytochrome c	KT288163	84.29	88.02	9.57308e-51	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora seminulum clone TCC461 cytochrome oxida	KC736653	82.52	94.93	9.57308e-51	Naviculales	Sellaphoraceae	Sellaphora seminulum
Pinnularia cf. gibba voucher E3603 clone 12 cytoch	EF164938	82.52	94.93	9.57308e-51	Naviculales	Pinnulariaceae	Pinnularia cf. gibba
Nitzschia palea isolate TCC603 cytochrome oxidase	KJ542452	81.4	99.08	3.34133e-50	Bacillariales	Bacillariaceae	Nitzschia palea
Navicula glaciei culture-collection CCMP:2743 cyto	HQ317072	81.69	98.16	3.34133e-50	Naviculaceae	Naviculaceae	Navicula glaciei
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	81.11	100	1.16624e-49	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	81.11	100	1.16624e-49	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS-2011
Pinnularia cf. marchica strain (Ecrins4)a cytochro	JN418676	81.11	100	1.16624e-49	Naviculales	Pinnulariaceae	Pinnularia cf. marchica
Sellaphora capitata strain DES_15 cytochrome c oxi	KT288168	83.77	88.02	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain DES_2 cytochrome c oxid	KT288167	83.77	88.02	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora capitata
Dimeregramma acutum voucher Van5.3 cytochrome oxid	KF768027	81.02	99.54	4.07058e-49	Triceratiales	Plagiogrammaceae	Dimeregramma acutum
Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	82.83	91.24	4.07058e-49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	82.83	91.24	4.07058e-49		Gomphonemataceae	Gomphonema parvulum
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	83.33	89.86	4.07058e-49	Naviculales	Pinnulariaceae	Pinnularia grunowii
Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	81.02	99.54	4.07058e-49	Naviculales	Pinnulariaceae	Pinnularia neomajor
Sellaphora pupula voucher RBGE_SEL212D cytochrome	HQ317092	81.02	99.54	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher UTEX_LB FD112 cytochrome	HQ317098	83.77	88.02	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Nitzschia palea mitochondrial partial cox1 gene fo	FN557063	81.02	99.54	4.07058e-49	Bacillariales	Bacillariaceae	Nitzschia palea
Nitzschia palea mitochondrial partial cox1 gene fo	FN557056	81.02	99.54	4.07058e-49	Bacillariales	Bacillariaceae	Nitzschia palea
Sellaphora pupula voucher E3730 cytochrome oxidase	FJ042923	81.02	99.54	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4215 cytochrome oxidase	FJ147204	81.02	99.54	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4350 cytochrome oxidase	FJ151420	81.02	99.54	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3622 clone AFR1 cytochr	EF164940	83.77	88.02	4.07058e-49	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia acuminata strain Pin 876 TM cytochrome	JN418697	80.65	100	1.42077e-48	Naviculales	Pinnulariaceae	Pinnularia acuminata
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	80.65	100	1.42077e-48	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Sellaphora sp. E4391 cytochrome oxidase subunit 1	HQ317089	80.65	100	1.42077e-48	Naviculales	Sellaphoraceae	Sellaphora caput
Sellaphora pupula voucher RBGE_BB94 cytochrome oxi	HQ317096	81.13	97.7	1.42077e-48	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_BB92 cytochrome oxi	HQ317093	80.65	100	1.42077e-48	Naviculales	Sellaphoraceae	Sellaphora pupula
Navicula sp. CCMP2562 cytochrome oxidase subunit 1	HQ317077	80.65	100	1.42077e-48	Naviculales	Naviculaceae	Navicula sp. BOLD:AAO6951