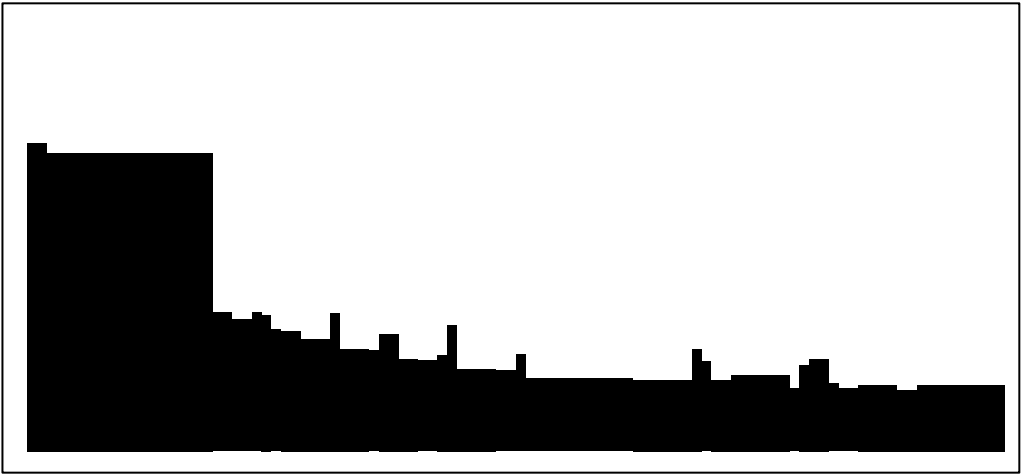


OTU_106;size=12496;.csv

Gomphonema parvulum

Gomphonemataceae

94.44



Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	94.44	99.54	9.56499e-89		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	94.44	99.54	9.56499e-89		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC734 cytochrome oxida	JQ354725	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC494 cytochrome oxida	JQ354716	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC492 cytochrome oxida	JQ354715	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC482 cytochrome oxida	JQ354714	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC428 cytochrome oxida	JQ354696	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC436 cytochrome oxida	JQ354703	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC434 cytochrome oxida	JQ354702	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC426 cytochrome oxida	JQ354695	93.98	99.54	4.06714e-87		Gomphonemataceae	Gomphonema parvulum
Sellaphora pupula clone LE D35 cytochrome oxidase	KC911838	86.51	99.08	7.36005e-65	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE J9 cytochrome oxidase s	KC911837	86.51	99.08	7.36005e-65	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia sp. 12 CS-2011 cytochrome c oxidase sub	JN418702	86.18	100	7.36005e-65	Naviculales	Pinnulariaceae	Pinnularia sp. 12 CS-2011
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	86.18	100	7.36005e-65	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Sellaphora pupula voucher RBGE_28_28 cytochrome ox	HQ317105	86.51	99.08	7.36005e-65	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu	JN418688	86.38	98.16	8.96638e-64	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS-2011
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	85.71	100	3.12957e-63	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Sellaphora seminulum clone TCC461 cytochrome oxida	KC736653	85.65	99.54	1.09233e-62	Naviculales	Sellaphoraceae	Sellaphora seminulum
Mayamaea atomus var. perinitis strain (Wes2)f cytoc	JN418700	85.65	99.54	1.09233e-62	Naviculales	Naviculaceae	Mayamaea perinitis
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	85.25	100	3.8126e-62	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	85.25	100	3.8126e-62	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	85.25	100	3.8126e-62	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS-2011
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	86.47	95.39	3.8126e-62	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	84.79	100	1.62116e-60	Naviculales	Pinnulariaceae	Pinnularia subanglica
Pinnularia cf. marchica strain (Ecrins4)a cytochro	JN418676	84.79	100	1.62116e-60	Naviculales	Pinnulariaceae	Pinnularia cf. marchica
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	84.79	100	1.62116e-60	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia subcapitata var. elongata strain (Wie)c	JN418682	84.72	99.54	5.6584e-60	Naviculales	Pinnulariaceae	Pinnularia subcapitata var. elongata
Gomphonema clevei strain TCC507 cytochrome oxidase	JQ354718	85.51	95.39	1.97498e-59		Gomphonemataceae	Gomphonema clevei
Gomphonema clevei strain TCC469 cytochrome oxidase	JQ354710	85.51	95.39	1.97498e-59		Gomphonemataceae	Gomphonema clevei
Pinnularia sp. 8 CS-2011 cytochrome c oxidase subu	JN418685	84.33	100	1.97498e-59	Naviculales	Pinnulariaceae	Pinnularia sp. 8 CS-2011
Pinnularia sp. 2 CS-2011 cytochrome c oxidase subu	JN418680	84.33	100	1.97498e-59	Naviculales	Pinnulariaceae	Pinnularia sp. 2 CS-2011
Sellaphora cf. seminulum voucher E3168 clone TM37	EF164956	84.26	99.54	6.89335e-59	Naviculales	Sellaphoraceae	Sellaphora cf. seminulum
Sellaphora pupula voucher E3638 clone DUN7 cytochr	EF164936	84.26	99.54	6.89335e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia sp. 3 CS-2011 cytochrome c oxidase subu	JN418681	84.51	98.16	2.40601e-58	Naviculales	Pinnulariaceae	Pinnularia sp. 3 CS-2011
Lithodesmium variable strain 30 cytochrome oxidas	KJ671735	85.93	91.71	8.39781e-58	Lithodesmiales	Lithodesmiaceae	Lithodesmium variable
Fallacia sp. Baikal_260 mitochondrial cox1 gene fo	AB618071	83.87	100	8.39781e-58	Naviculales	Sellaphoraceae	Fallacia sp. Baikal_260
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	83.87	100	8.39781e-58	Naviculales	Pinnulariaceae	Pinnularia grunowii
Sellaphora pupula voucher RBGE_O60 cytochrome oxid	HQ317103	83.87	100	8.39781e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora laevisssima voucher E3651 clone THR4 cyt	EF164943	83.87	100	8.39781e-58	Naviculales	Sellaphoraceae	Sellaphora laevisssima
Fistulifera solaris mitochondrion, complete genome	KT363689	83.8	99.54	2.93113e-57	Naviculales	Naviculaceae	Fistulifera solaris
Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	83.8	99.54	2.93113e-57	Naviculales	Pinnulariaceae	Pinnularia neomajor
Frustulia vulgaris mitochondrial partial COI gene	HF562256	84.54	95.39	1.02306e-56	Naviculales	Amphipleuraceae	Frustulia vulgaris
Sellaphora pupula clone mm120 cytochrome oxidase s	KC911839	83.41	100	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA10 cytochrome oxidas	KC911836	83.41	100	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel627K cytochrome oxidase	KC911835	83.41	100	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel620K cytochrome oxidase	KC911834	83.41	100	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA4 cytochrome oxidase	KC911833	83.41	100	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA2 cytochrome oxidase	KC911832	83.41	100	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Mayamaea perinitis clone TCC540 cytochrome oxidase	KC736646	83.41	100	1.02306e-56	Naviculales	Naviculaceae	Mayamaea perinitis
Sellaphora pupula voucher RBGE_SEL642K cytochrome	HQ317107	83.41	100	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_mm111 cytochrome ox	HQ317106	83.41	100	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BLA16 cytochrome c oxidase	EF164951	83.41	100	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia cf. gibba voucher E3603 clone 12 cytoch	EF164938	83.41	100	1.02306e-56	Naviculales	Pinnulariaceae	Pinnularia cf. gibba
Sellaphora laevisssima mitochondrial cox1 gene for	AB971666	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora laevisssima
Sellaphora auldreekie clone Sel775INV cytochrome o	KC911820	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora auldreekie clone Sel781INV cytochrome o	KC911819	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora auldreekie clone Sel776INV cytochrome o	KC911818	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	83.33	99.54	3.57084e-56	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia neomajor strain (Tor1)a cytochrome c ox	JN418677	83.33	99.54	3.57084e-56	Naviculales	Pinnulariaceae	Pinnularia neomajor
Navicula sp. CCMP2562 cytochrome oxidase subunit 1	HQ317077	84.8	94.01	3.57084e-56	Naviculales	Naviculaceae	Navicula sp. BOLD:AAO6951
Navicula glaciei culture-collection CCMP:2743 cyto	HQ317072	84.21	96.31	3.57084e-56	Naviculales	Naviculaceae	Navicula glaciei
Sellaphora auldreekie voucher E3652 clone BLA2 cyt	EF164932	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora laevisssima voucher E3174 clone THR2 cyt	EF164931	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora laevisssima
Sellaphora pupula clone Sel618K cytochrome oxidase	KC911828	83.57	98.16	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel629K cytochrome oxidase	KC911824	83.57	98.16	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone KewA3 cytochrome oxidase s	KC911823	83.57	98.16	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel630K cytochrome oxidase	KC911822	83.57	98.16	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel624K cytochrome oxidase	KC911821	83.57	98.16	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_Kew21 cytochrome ox	HQ317094	83.57	98.16	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	82.95	100	4.35018e-55	Naviculales	Pinnulariaceae	Pinnularia neglectiformis
Pinnularia sp. 10 CS-2011 cytochrome c oxidase sub	JN418692	84.06	95.39	4.35018e-55	Naviculales	Pinnulariaceae	Pinnularia sp. 10 CS-2011
Pinnularia subcommutata var. nonfasciata strain Co	JN418686	84.31	94.01	4.35018e-55	Naviculales	Pinnulariaceae	Pinnularia subcommutata var. nonfasciata
Sellaphora obesa voucher RBGE_SEL601As cytochrome	HQ317090	84.31	94.01	4.35018e-55	Naviculales	Sellaphoraceae	Sellaphora obesa
Navicula cryptocephala culture-collection CCMP:251	HQ317071	83.18	98.62	4.35018e-55	Naviculales	Naviculaceae	Navicula cryptocephala
Sellaphora pupula voucher E3325 clone GER1 cytochr	EF164955	82.95	100	4.35018e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3628 clone THR8 cytochr	EF164950	82.95	100	4.35018e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora capitata strain W2_210 cytochrome c oxi	KT288177	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain W3_211 cytochrome c oxi	KT288171	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain DES_2 cytochrome c oxid	KT288167	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain FIN_240 cytochrome c ox	KT288158	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora bacillum cytochrome oxidase subunit I (FJ042925	82.87	99.54	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	82.87	99.54	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora capitata voucher E4364 cytochrome oxida	FJ042922	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata voucher E4363 cytochrome oxida	FJ042921	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate DUN9 cytochrome oxidas	FJ042902	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER10 cytochrome oxida	FJ042919	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER23 cytochrome oxida	FJ042918	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER33 cytochrome oxida	FJ042917	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL11 cytochrome oxida	FJ042916	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL7 cytochrome oxidas	FJ042915	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL1 cytochrome oxidas	FJ042914	83.1	98.16	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata