OTU_177;size=2682;.csv

Gomphonema parvulum

Gomphonemataceae

88.02

Gomphonema parvulum strain TCC734 cytochrome oxida	JQ354725	88.02	100	2.74031e−70		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC494 cytochrome oxida	JQ354716	88.02	100	2.74031e−70		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC492 cytochrome oxida	JQ354715	88.02	100	2.74031e−70		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC482 cytochrome oxida	JQ354714	88.02	100	2.74031e−70		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC428 cytochrome oxida	JQ354696	88.02	100	2.74031e−70		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC436 cytochrome oxida	JQ354703	88.02	100	2.74031e−70		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC434 cytochrome oxida	JQ354702	88.02	100	2.74031e−70		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC426 cytochrome oxida	JQ354695	88.02	100	2.74031e−70		Gomphonemataceae	Gomphonema parvulum
Sellaphora seminulum clone TCC461 cytochrome oxida	KC736653	87.1	100	1.41952e−67	Naviculales	Sellaphoraceae	Sellaphora seminulum
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	87.1	100	1.41952e−67		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	87.1	100	1.41952e−67		Gomphonemataceae	Gomphonema parvulum
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	86.57	99.54	2.10675e−65	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	86.11	99.54	2.56655e−64	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia sp. 12 CS−2011 cytochrome c oxidase sub	JN418702	86.11	99.54	2.56655e−64	Naviculales	Pinnulariaceae	Pinnularia sp. 12 CS−2011
Pinnularia sp. 9 CS−2011 cytochrome c oxidase subu	JN418688	87.02	95.85	8.95813e−64	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS−2011
Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	85.65	99.54	1.09132e−62	Naviculales	Pinnulariaceae	Pinnularia neglectiformis
Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	85.85	97.7	3.80909e−62		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	85.85	97.7	3.80909e−62		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	85.85	97.7	3.80909e−62		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	85.85	97.7	3.80909e−62		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	85.85	97.7	3.80909e−62		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	85.85	97.7	3.80909e−62		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	85.85	97.7	3.80909e−62		Gomphonemataceae	Gomphonema parvulum
Sellaphora bacillum cytochrome oxidase subunit I (	FJ042925	85.58	99.08	3.80909e−62	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	85.58	99.08	3.80909e−62	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3640 clone BLA4 cytoc	EF164941	85.58	99.08	3.80909e−62	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3149 clone ST−MAR1 cy	EF164930	85.58	99.08	3.80909e−62	Naviculales	Sellaphoraceae	Sellaphora bacillum
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	85.19	99.54	1.3295e−61	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Gomphonema clevei strain TCC507 cytochrome oxidase	JQ354718	84.79	100	1.61967e−60		Gomphonemataceae	Gomphonema clevei
Gomphonema clevei strain TCC469 cytochrome oxidase	JQ354710	84.79	100	1.61967e−60		Gomphonemataceae	Gomphonema clevei
Pinnularia subcapitata var. elongata strain (Wie)c	JN418682	85.38	97.7	1.61967e−60	Naviculales	Pinnulariaceae	Pinnularia subcapitata var. elongata
Pinnularia sp. 3 CS−2011 cytochrome c oxidase subu	JN418681	85.38	97.7	1.61967e−60	Naviculales	Pinnulariaceae	Pinnularia sp. 3 CS−2011
Navicula glaciei culture−collection CCMP:2743 cyto	HQ317072	85.05	98.62	1.61967e−60	Naviculales	Naviculaceae	Navicula glaciei
Sellaphora cf. seminulum voucher E3168 clone TM37	EF164956	84.79	100	1.61967e−60	Naviculales	Sellaphoraceae	Sellaphora cf. seminulum
Pinnularia sp. 11 CS−2011 cytochrome c oxidase sub	JN418695	84.72	99.54	5.6532e−60	Naviculales	Pinnulariaceae	Pinnularia sp. 11 CS−2011
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	84.72	99.54	5.6532e−60	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Sellaphora obesa voucher RBGE_SEL601As cytochrome	HQ317090	84.72	99.54	5.6532e−60	Naviculales	Sellaphoraceae	Sellaphora obesa
Entomoneis cf. alata voucher CCMP1522 cytochrome o	GQ844260	84.72	99.54	5.6532e−60		Entomoneidaceae	Entomoneis cf. alata
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	84.72	99.54	5.6532e−60	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE D35 cytochrome oxidase	KC911838	84.65	99.08	1.97316e−59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE J9 cytochrome oxidase s	KC911837	84.65	99.08	1.97316e−59	Naviculales	Sellaphoraceae	Sellaphora pupula
Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	84.91	97.7	1.97316e−59		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	84.91	97.7	1.97316e−59		Gomphonemataceae	Gomphonema parvulum
Sellaphora pupula voucher RBGE_28_28 cytochrome ox	HQ317105	84.65	99.08	1.97316e−59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora lanceolata voucher E3635 clone BLA12 cy	EF164953	84.26	99.54	1.97316e−59	Naviculales	Sellaphoraceae	Sellaphora lanceolata
Sellaphora cf. minima voucher E3211 clone BM42 cyt	EF164929	84.33	100	1.97316e−59	Naviculales	Sellaphoraceae	Sellaphora cf. minima
Sellaphora pupula clone BolinA10 cytochrome oxidas	KC911836	84.26	99.54	6.887e−59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel627K cytochrome oxidase	KC911835	84.26	99.54	6.887e−59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel620K cytochrome oxidase	KC911834	84.26	99.54	6.887e−59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA4 cytochrome oxidase	KC911833	84.26	99.54	6.887e−59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA2 cytochrome oxidase	KC911832	84.26	99.54	6.887e−59	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	84.26	99.54	6.887e−59	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Mayamaea atomus var. permitis strain (Wes2)f cytoc	JN418700	84.26	99.54	6.887e−59	Naviculales	Naviculaceae	Mayamaea permitis
Pinnularia acuminata strain Pin 876 TM cytochrome	JN418697	84.26	99.54	6.887e−59	Naviculales	Pinnulariaceae	Pinnularia acuminata
Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	84.26	99.54	6.887e−59	Naviculales	Pinnulariaceae	Pinnularia neomajor
Pinnularia sp. 5 CS−2011 cytochrome c oxidase subu	JN418683	84.26	99.54	6.887e−59	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS−2011
Pinnularia sp. 2 CS−2011 cytochrome c oxidase subu	JN418680	84.26	99.54	6.887e−59	Naviculales	Pinnulariaceae	Pinnularia sp. 2 CS−2011
Sellaphora pupula voucher RBGE_SEL642K cytochrome	HQ317107	84.26	99.54	6.887e−59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_SEL846L cytochrome	HQ317108	85.37	94.47	2.4038e−58	Naviculales	Sellaphoraceae	Sellaphora pupula
Navicula cryptocephala culture−collection CCMP:251	HQ317071	84.51	98.16	2.4038e−58	Naviculales	Naviculaceae	Navicula cryptocephala
Pinnularia cf. altiplanensis strain (Tor11)b cytoc	JN418678	84.43	97.7	8.39009e−58	Naviculales	Pinnulariaceae	Pinnularia cf. altiplanensis
Pinnularia cf. gibba voucher E3603 clone 12 cytoch	EF164938	85.02	95.39	8.39009e−58	Naviculales	Pinnulariaceae	Pinnularia cf. gibba
Mayamaea permitis clone TCC540 cytochrome oxidase	KC736646	83.8	99.54	2.92843e−57	Naviculales	Naviculaceae	Mayamaea permitis
Pinnularia nodosa strain Pin 885 TM cytochrome c o	JN418689	83.8	99.54	2.92843e−57	Naviculales	Pinnulariaceae	Pinnularia nodosa
Sellaphora pupula voucher RBGE_SEL793Tm cytochrome	HQ317109	83.8	99.54	2.92843e−57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BLA16 cytochrome c oxidase	EF164951	83.8	99.54	2.92843e−57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora laevissima voucher E3651 clone THR4 cyt	EF164943	83.8	99.54	2.92843e−57	Naviculales	Sellaphoraceae	Sellaphora laevissima
Pinnularia cf. isselana strain Cal 878 TM cytochro	JN418694	83.41	100	1.02212e−56	Naviculales	Pinnulariaceae	Pinnularia cf. isselana
Pinnularia sp. 10 CS−2011 cytochrome c oxidase sub	JN418692	83.41	100	1.02212e−56	Naviculales	Pinnulariaceae	Pinnularia sp. 10 CS−2011
Nitzschia cf. promare culture−collection CCMP:1116	HQ317078	83.41	100	1.02212e−56	Bacillariales	Bacillariaceae	Nitzschia cf. promare
Sellaphora pupula voucher E3638 clone DUN7 cytochr	EF164936	83.72	99.08	1.02212e−56	Naviculales	Sellaphoraceae	Sellaphora pupula
Eucampia zodiacus strain 34 cytochrome oxidase sub	KJ671731	83.33	99.54	3.56756e−56	Hemiaulales	Hemiaulaceae	Eucampia zodiacus
Nitzschia palea isolate TCC603 cytochrome oxidase	KJ542452	83.33	99.54	3.56756e−56	Bacillariales	Bacillariaceae	Nitzschia palea
Sellaphora blackfordensis strain (Bfp5x8)F1−3 cyto	JN418699	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	83.33	99.54	3.56756e−56	Naviculales	Pinnulariaceae	Pinnularia grunowii
Pinnularia sp. 8 CS−2011 cytochrome c oxidase subu	JN418685	83.33	99.54	3.56756e−56	Naviculales	Pinnulariaceae	Pinnularia sp. 8 CS−2011
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	83.33	99.54	3.56756e−56	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Sellaphora pupula voucher RBGE_O68 cytochrome oxid	HQ317102	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_28_6 cytochrome oxi	HQ317101	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora blackfordensis voucher E4271 cytochrome	FJ042937	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E2635 cytochrome	FJ042929	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4291 cytochrome	FJ042935	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis cytochrome oxidase subun	FJ042934	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4358 cytochrome	FJ042933	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E673R cytochrome	FJ042932	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4359 cytochrome	FJ042931	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4357 cytochrome	FJ042930	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E3980 cytochrome	FJ042928	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4011 cytochrome	FJ042927	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora pupula voucher E3634 clone BLA14 cytoch	EF164944	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora blackfordensis voucher E3632 clone DUN5	EF164949	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E3266 clone BAL1	EF164935	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4701 clone BLA1	EF164948	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora pupula voucher E3365 clone THR7 cytochr	EF164937	83.33	99.54	3.56756e−56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora capitata strain W2_210 cytochrome c oxi	KT288177	84.73	93.55	1.2452e−55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain W3_211 cytochrome c oxi	KT288171	84.73	93.55	1.2452e−55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain DES_2 cytochrome c oxid	KT288167	84.73	93.55	1.2452e−55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain FIN_240 cytochrome c ox	KT288158	84.73	93.55	1.2452e−55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora pupula clone Sel618K cytochrome oxidase	KC911828	84.13	95.85	1.2452e−55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel629K cytochrome oxidase	KC911824	84.13	95.85	1.2452e−55	Naviculales	Sellaphoraceae	Sellaphora pupula