

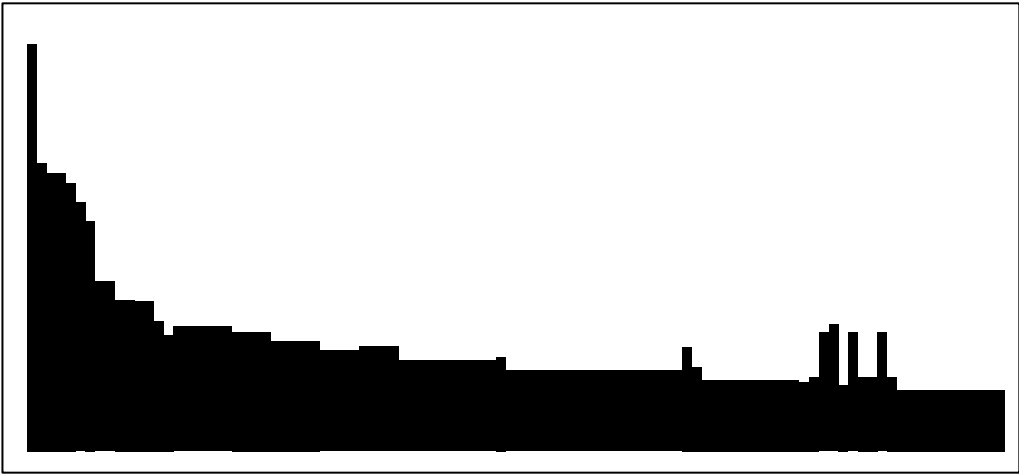
OTU_248;size=1397;.csv

Pinnularia neomajor

Pinnulariaceae

Naviculales

99.08



Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	99.08	100	7.3403e-103	Naviculales	Pinnulariaceae	Pinnularia neomajor
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	93.52	99.54	4.95023e-86	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia sp. 11 CS-2011 cytochrome c oxidase sub	JN418695	93.06	99.54	2.10489e-84	Naviculales	Pinnulariaceae	Pinnularia sp. 11 CS-2011
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	93.06	99.54	2.10489e-84	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	92.59	99.54	2.56428e-83	Naviculales	Pinnulariaceae	Pinnularia neglectiformis
Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu	JN418688	91.67	99.54	1.32833e-80	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS-2011
Pinnularia neomajor strain (Tor1)a cytochrome c ox	JN418677	90.78	100	1.97142e-78	Naviculales	Pinnulariaceae	Pinnularia neomajor
Pinnularia cf. isselana strain Cal 878 TM cytochro	JN418694	87.96	99.54	9.56463e-70	Naviculales	Pinnulariaceae	Pinnularia cf. isselana
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	87.96	99.54	9.56463e-70	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS-2011
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	87.1	100	1.41952e-67	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia subcommutata var. nonfasciata strain Co	JN418686	87.1	100	1.41952e-67	Naviculales	Pinnulariaceae	Pinnularia subcommutata var. nonfasciata
Pinnularia acuminata strain Pin 876 TM cytochrome	JN418697	87.04	99.54	4.9546e-67	Naviculales	Pinnulariaceae	Pinnularia acuminata
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	87.04	99.54	4.9546e-67	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	86.11	99.54	2.56655e-64	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Berkeleya fennica mitochondrion, complete genome	KM886611	85.45	100	1.09132e-62	Naviculales	Berkeleyaceae	Berkeleya fennica
Sellaphora pupula clone Sel618K cytochrome oxidase	KC911828	85.85	97.7	3.80909e-62	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel629K cytochrome oxidase	KC911824	85.85	97.7	3.80909e-62	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone KewA3 cytochrome oxidase s	KC911823	85.85	97.7	3.80909e-62	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel630K cytochrome oxidase	KC911822	85.85	97.7	3.80909e-62	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel624K cytochrome oxidase	KC911821	85.85	97.7	3.80909e-62	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_Kew21 cytochrome ox	HQ317094	85.85	97.7	3.80909e-62	Naviculales	Sellaphoraceae	Sellaphora pupula
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
Frustulia vulgaris mitochondrial partial COI gene	HF562256	85.19	99.54	1.3295e-61	Naviculales	Amphipleuraceae	Frustulia vulgaris
Pinnularia sp. 10 CS-2011 cytochrome c oxidase sub	JN418692	85.19	99.54	1.3295e-61	Naviculales	Pinnulariaceae	Pinnularia sp. 10 CS-2011
Pinnularia sp. 2 CS-2011 cytochrome c oxidase subu	JN418680	85.19	99.54	1.3295e-61	Naviculales	Pinnulariaceae	Pinnularia sp. 2 CS-2011
Pinnularia cf. marchica strain (Ecrins4)a cytochro	JN418676	85.19	99.54	1.3295e-61	Naviculales	Pinnulariaceae	Pinnularia cf. marchica
Sellaphora pupula voucher RBGE_BB94 cytochrome oxi	HQ317096	85.19	99.54	1.3295e-61	Naviculales	Sellaphoraceae	Sellaphora pupula
Fallacia sp. Baikal_260 mitochondrial cox1 gene fo	AB618071	84.72	99.54	5.6532e-60	Naviculales	Sellaphoraceae	Fallacia sp. Baikal_260
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	84.72	99.54	5.6532e-60	Naviculales	Pinnulariaceae	Pinnularia grunowii
Pinnularia nodosa strain Pin 885 TM cytochrome c o	JN418689	84.72	99.54	5.6532e-60	Naviculales	Pinnulariaceae	Pinnularia nodosa
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	84.72	99.54	5.6532e-60	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora sp. KME-2009a voucher E3778 cytochrome	GQ374576	84.91	97.7	1.97316e-59	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4329 cytochrome	GQ374573	84.91	97.7	1.97316e-59	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4362 cytochrome	GQ374574	84.91	97.7	1.97316e-59	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora pupula voucher E3024 clone RBG1 cytochr	EF164957	84.91	97.7	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 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 parvulissima strain Pin 877 TM cytochro	JN418693	84.26	99.54	6.887e-59	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Sellaphora pupula voucher RBGE_SEL642K cytochrome	HQ317107	84.26	99.54	6.887e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora obesa voucher RBGE_SEL601As cytochrome	HQ317090	84.26	99.54	6.887e-59	Naviculales	Sellaphoraceae	Sellaphora obesa
Sellaphora laevisissima voucher E3651 clone THR4 cyt	EF164943	84.26	99.54	6.887e-59	Naviculales	Sellaphoraceae	Sellaphora laevisissima
Sellaphora pupula voucher E3634 clone BLA14 cytoch	EF164944	84.43	97.7	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia sp. 12 CS-2011 cytochrome c oxidase sub	JN418702	83.8	99.54	2.92843e-57	Naviculales	Pinnulariaceae	Pinnularia sp. 12 CS-2011
Sellaphora blackfordensis strain (Bfp5x8)F1-3 cyto	JN418699	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	83.8	99.54	2.92843e-57	Naviculales	Pinnulariaceae	Pinnularia subanglica
Pinnularia subcapitata var. elongata strain (Wie)c	JN418682	83.8	99.54	2.92843e-57	Naviculales	Pinnulariaceae	Pinnularia subcapitata var. elongata
Sellaphora pupula voucher RBGE_O68 cytochrome oxid	HQ317102	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora blackfordensis voucher E4271 cytochrome	FJ042937	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E2635 cytochrome	FJ042929	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4291 cytochrome	FJ042935	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis cytochrome oxidase subun	FJ042934	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4358 cytochrome	FJ042933	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E673R cytochrome	FJ042932	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4359 cytochrome	FJ042931	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4357 cytochrome	FJ042930	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E3980 cytochrome	FJ042928	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4011 cytochrome	FJ042927	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E3632 clone DUN5	EF164949	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E3266 clone BAL1	EF164935	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4701 clone BLA1	EF164948	83.8	99.54	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora pupula voucher RBGE_SEL846L cytochrome	HQ317108	84.88	94.47	1.02212e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Navicula glaciei culture-collection CCMP:2743 cyto	HQ317072	83.96	97.7	1.02212e-56	Naviculales	Naviculaceae	Navicula glaciei
Sellaphora pupula mitochondrial cox1 gene for cyto	AB971667	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Mayamaea permitis clone TCC540 cytochrome oxidase	KC736646	83.33	99.54	3.56756e-56	Naviculales	Naviculaceae	Mayamaea permitis
Sellaphora sp. Sel28/6 mitochondrial COX1 gene for	AB617704	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora sp. Sel28/6
Sellaphora pupula voucher RBGE_O60 cytochrome oxid	HQ317103	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_28_36 cytochrome ox	HQ317100	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_BB92 cytochrome oxi	HQ317093	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BLA16 cytochrome c oxidase	EF164951	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3384 clone F1 cytochrom	EF164942	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3365 clone THR7 cytochr	EF164937	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3620 clone BEL2 cytochr	EF164933	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3415 clone THR11 cytoch	EF164945	83.26	99.08	1.2452e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_SEL212D cytochrome	HQ317092	83.49	97.7	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora sp. E4391 cytochrome oxidase subunit 1	HQ317089	85.57	89.4	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora caput
Sellaphora pupula voucher RBGE_SEL793Tm cytochrome	HQ317109	85.94	88.48	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Nitzschia sp. BOLD:AAX5147 cytochrome oxidase subu	HQ317079	83.11	99.54	4.34617e-55	Bacillariales	Bacillariaceae	Nitzschia sp. BOLD:AAX5147
Sellaphora sp. E4391 cytochrome oxidase subunit I	FJ042926	85.57	89.4	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora caput
Sellaphora pupula voucher E3730 cytochrome oxidase	FJ042923	83.49	97.7	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4215 cytochrome oxidase	FJ147204	83.49	97.7	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora sp. E4391 cytochrome oxidase subunit I	FJ151419	85.57	89.4	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora caput
Pinnularia cf. gibba voucher E3603 clone 12 cytoch	EF164938	83.49	97.7	4.34617e-55	Naviculales	Pinnulariaceae	Pinnularia cf. gibba
Sellaphora pupula clone mm120 cytochrome oxidase s	KC911839	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE D35 cytochrome oxidase	KC911838	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE J9 cytochrome oxidase s	KC911837	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora seminulum clone TCC461 cytochrome oxida	KC736653	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora seminulum
Rossia sp. CH2 mitochondrial cox1 gene for cytochr	AB618070	82.87	99.54	1.51696e-54	Naviculales	Naviculaceae	Rossia sp. CH2
Sellaphora pupula voucher RBGE_mm111 cytochrome ox	HQ317106	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_28_28 cytochrome ox	HQ317105	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_28_6 cytochrome oxi	HQ317101	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_B161 cytochrome oxi	HQ317091	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3642 clone THR10 cytoch	EF164952	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora cf. minima voucher E3211 clone BM42 cyt	EF164929	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora cf. minima