

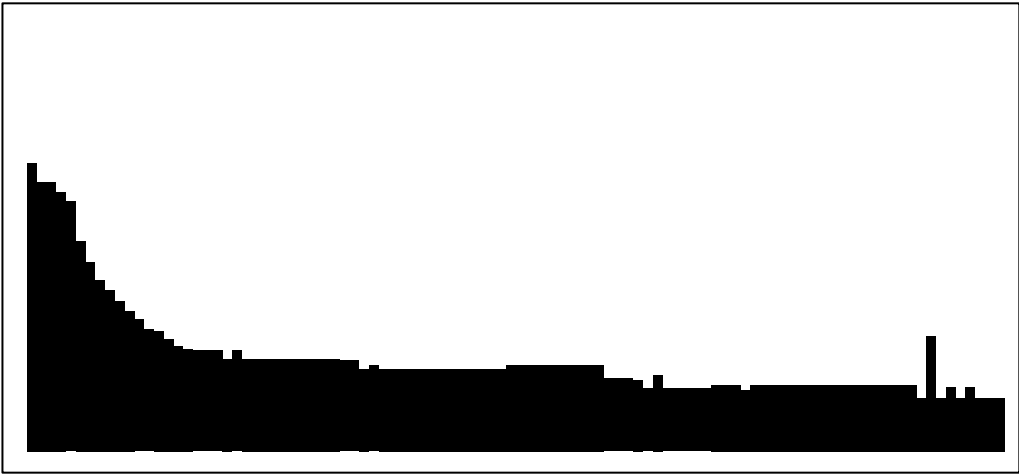
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Pinnularia neomajor

Pinnulariaceae

Naviculales

93.52



Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	93.52	99.54	4.95023e-86	Naviculales	Pinnulariaceae	Pinnularia neomajor
Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	92.63	100	7.34679e-84	Naviculales	Pinnulariaceae	Pinnularia neglectiformis
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	92.63	100	7.34679e-84	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia sp. 11 CS-2011 cytochrome c oxidase sub	JN418695	92.17	100	3.12393e-82	Naviculales	Pinnulariaceae	Pinnularia sp. 11 CS-2011
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	91.71	100	3.80573e-81	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu	JN418688	89.86	100	1.02122e-75	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS-2011
Pinnularia neomajor strain (Tor1)a cytochrome c ox	JN418677	88.89	99.54	1.84641e-72	Naviculales	Pinnulariaceae	Pinnularia neomajor
Pinnularia acuminata strain Pin 876 TM cytochrome	JN418697	88.02	100	2.74031e-70	Naviculales	Pinnulariaceae	Pinnularia acuminata
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	87.56	100	1.16521e-68	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS-2011
Pinnularia cf. isselana strain Cal 878 TM cytochro	JN418694	87.04	99.54	4.9546e-67	Naviculales	Pinnulariaceae	Pinnularia cf. isselana
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	86.57	99.54	2.10675e-65	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	86.18	100	7.35328e-65	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	85.71	100	3.12669e-63	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Pinnularia subcommutata var. nonfasciata strain Co	JN418686	85.65	99.54	1.09132e-62	Naviculales	Pinnulariaceae	Pinnularia subcommutata var. nonfasciata
Pinnularia nodosa strain Pin 885 TM cytochrome c o	JN418689	85.25	100	3.80909e-62	Naviculales	Pinnulariaceae	Pinnularia nodosa
Berkeleya fennica mitochondrion, complete genome	KM886611	84.93	99.54	1.61967e-60	Naviculales	Berkeleyaceae	Berkeleya fennica
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	84.79	100	1.61967e-60	Naviculales	Pinnulariaceae	Pinnularia grunowii
Sellaphora bacillum cytochrome oxidase subunit I (FJ042925	84.72	99.54	5.6532e-60	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	84.72	99.54	5.6532e-60	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3640 clone BLA4 cytot	EF164941	84.72	99.54	5.6532e-60	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora lanceolata voucher E3635 clone BLA12 cy	EF164953	84.33	100	5.6532e-60	Naviculales	Sellaphoraceae	Sellaphora lanceolata
Sellaphora bacillum voucher E3149 clone ST-MAR1 cy	EF164930	84.72	99.54	5.6532e-60	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora pupula clone BolinA10 cytochrome oxidas	KC911836	84.33	100	1.97316e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel627K cytochrome oxidase	KC911835	84.33	100	1.97316e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel620K cytochrome oxidase	KC911834	84.33	100	1.97316e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA4 cytochrome oxidase	KC911833	84.33	100	1.97316e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA2 cytochrome oxidase	KC911832	84.33	100	1.97316e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Mayamaea permissis clone TCC540 cytochrome oxidase	KC736646	84.33	100	1.97316e-59	Naviculales	Naviculaceae	Mayamaea permissis
Fallacia sp. Baikal_260 mitochondrial cox1 gene fo	AB618071	84.33	100	1.97316e-59	Naviculales	Sellaphoraceae	Fallacia sp. Baikal_260
Pinnularia cf. marchica strain (Ecrins4)a cytochro	JN418676	84.33	100	1.97316e-59	Naviculales	Pinnulariaceae	Pinnularia cf. marchica
Sellaphora pupula voucher RBGE_SEL642K cytochrome	HQ317107	84.33	100	1.97316e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora blackfordensis voucher E4701 clone BLA1	EF164948	84.33	100	1.97316e-59	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Frustulia vulgaris mitochondrial partial COI gene	HF562256	84.26	99.54	6.887e-59	Naviculales	Amphipleuraceae	Frustulia vulgaris
Pinnularia sp. 10 CS-2011 cytochrome c oxidase sub	JN418692	84.26	99.54	6.887e-59	Naviculales	Pinnulariaceae	Pinnularia sp. 10 CS-2011
Sellaphora blackfordensis strain (Bfp5x8)F1-3 cyto	JN418699	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Nitzschia sp. BOLD:AAx5147 cytochrome oxidase subu	HQ317079	84.02	99.54	8.39009e-58	Bacillariales	Bacillariaceae	Nitzschia sp. BOLD:AAx5147
Sellaphora blackfordensis voucher E4271 cytochrome	FJ042937	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E2635 cytochrome	FJ042929	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4291 cytochrome	FJ042935	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis cytochrome oxidase subun	FJ042934	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4358 cytochrome	FJ042933	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E673R cytochrome	FJ042932	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4359 cytochrome	FJ042931	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4357 cytochrome	FJ042930	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E3980 cytochrome	FJ042928	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E4011 cytochrome	FJ042927	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E3632 clone DUN5	EF164949	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora blackfordensis voucher E3266 clone BAL1	EF164935	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora blackfordensis
Sellaphora laevisissima voucher E3651 clone THR4 cyt	EF164943	83.87	100	8.39009e-58	Naviculales	Sellaphoraceae	Sellaphora laevisissima
Sellaphora pupula clone Sel618K cytochrome oxidase	KC911828	84.04	98.16	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel629K cytochrome oxidase	KC911824	84.04	98.16	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone KewA3 cytochrome oxidase s	KC911823	84.04	98.16	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel630K cytochrome oxidase	KC911822	84.04	98.16	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel624K cytochrome oxidase	KC911821	84.04	98.16	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_Kew21 cytochrome ox	HQ317094	84.04	98.16	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora sp. KME-2009a voucher E3778 cytochrome	GQ374576	84.04	98.16	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4329 cytochrome	GQ374573	84.04	98.16	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4362 cytochrome	GQ374574	84.04	98.16	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora pupula voucher E3024 clone RBG1 cytochr	EF164957	84.04	98.16	2.92843e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	83.41	100	1.02212e-56	Naviculales	Pinnulariaceae	Pinnularia subanglica
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	83.41	100	1.02212e-56	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Sellaphora pupula voucher RBGE_BB94 cytochrome oxi	HQ317096	83.41	100	1.02212e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora obesa voucher RBGE_SEL601As cytochrome	HQ317090	83.33	99.54	3.56756e-56	Naviculales	Sellaphoraceae	Sellaphora obesa
Sellaphora pupula voucher RBGE_B155 cytochrome oxi	HQ317095	82.95	100	1.2452e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3634 clone BLA14 cytoch	EF164944	83.57	98.16	1.2452e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia sp. 12 CS-2011 cytochrome c oxidase sub	JN418702	82.95	100	4.34617e-55	Naviculales	Pinnulariaceae	Pinnularia sp. 12 CS-2011
Pinnularia sp. 2 CS-2011 cytochrome c oxidase subu	JN418680	82.95	100	4.34617e-55	Naviculales	Pinnulariaceae	Pinnularia sp. 2 CS-2011
Sellaphora pupula voucher RBGE_O37 cytochrome oxid	HQ317099	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3620 clone BEL2 cytochr	EF164933	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora capitata strain W2_210 cytochrome c oxi	KT288177	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain W3_211 cytochrome c oxi	KT288171	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain FIN_240 cytochrome c ox	KT288158	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Pinnularia subcapitata var. elongata strain (Wie)c	JN418682	82.87	99.54	1.51696e-54	Naviculales	Pinnulariaceae	Pinnularia subcapitata var. elongata
Pinnularia sp. 3 CS-2011 cytochrome c oxidase subu	JN418681	83.1	98.16	1.51696e-54	Naviculales	Pinnulariaceae	Pinnularia sp. 3 CS-2011
Sellaphora capitata voucher E4364 cytochrome oxida	FJ042922	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata voucher E4363 cytochrome oxida	FJ042921	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate DUN9 cytochrome oxidas	FJ042902	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER10 cytochrome oxida	FJ042919	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER23 cytochrome oxida	FJ042918	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER33 cytochrome oxida	FJ042917	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL11 cytochrome oxida	FJ042916	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL7 cytochrome oxidas	FJ042915	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL1 cytochrome oxidas	FJ042914	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER25 cytochrome oxida	FJ042913	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER16 cytochrome oxida	FJ042912	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate DUN10 cytochrome oxida	FJ042911	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate PUR9 cytochrome oxidas	FJ042910	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate LEV1 cytochrome oxidas	FJ042904	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER27 cytochrome oxida	FJ042903	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata voucher E3608 clone BLA18 cyto	EF164947	83.1	98.16	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora pupula mitochondrial cox1 gene for cyto	AB971667	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Mayamaea atomus var. permissis strain (Wes2)f cytoc	JN418700	85.42	88.48	5.29472e-54	Naviculales	Naviculaceae	Mayamaea permissis
Sellaphora pupula voucher RBGE_O68 cytochrome oxid	HQ317102	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher UTEX_LB FD112 cytochrome	HQ317098	83.02	97.7	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_BB92 cytochrome oxi	HQ317093	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Navicula glaciei culture-collection CCMP:2743 cyto	HQ317072	83.02	97.7	5.29472e-54	Naviculales	Naviculaceae	Navicula glaciei
Sellaphora pupula clone BLA16 cytochrome c oxidase	EF164951	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3384 clone F1 cytochrom	EF164942	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3365 clone THR7 cytochr	EF164937	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula