

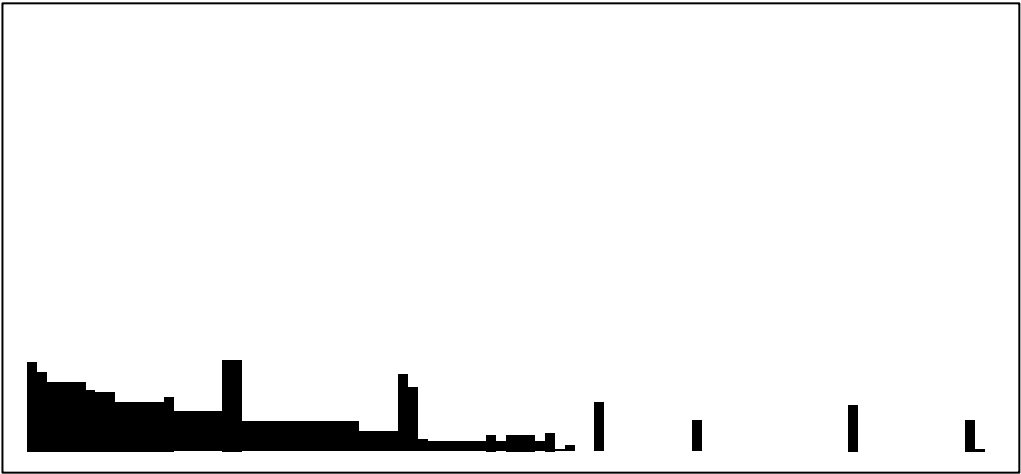
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Pinnularia cf. isselana

Pinnulariaceae

Naviculales

84.19



Pinnularia cf. isselana strain Cal 878 TM cytochro	JN418694	84.19	99.08	2.40635e-58	Naviculales	Pinnulariaceae	Pinnularia cf. isselana
Berkeleya fennica mitochondrion, complete genome	KM886611	83.72	99.08	1.02321e-56	Naviculales	Berkeleyaceae	Berkeleya fennica
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	83.26	99.08	1.24652e-55	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	83.26	99.08	1.24652e-55	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	83.26	99.08	1.24652e-55	Naviculales	Pinnulariaceae	Pinnularia neomajor
Pinnularia subcommutata var. nonfasciata strain Co	JN418686	83.26	99.08	1.24652e-55	Naviculales	Pinnulariaceae	Pinnularia subcommutata var. nonfasciata
Mayamaea atomus var. permitis strain (Wes2)f cytoc	JN418700	82.87	99.54	1.51857e-54	Naviculales	Naviculaceae	Mayamaea permitis
Frustulia vulgaris mitochondrial partial COI gene	HF562256	82.79	99.08	5.30034e-54	Naviculales	Amphipleuraceae	Frustulia vulgaris
Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	82.79	99.08	5.30034e-54	Naviculales	Pinnulariaceae	Pinnularia subanglica
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	82.33	99.08	6.45713e-53	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	82.33	99.08	6.45713e-53	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS-2011
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	82.33	99.08	6.45713e-53	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	82.33	99.08	6.45713e-53	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Sellaphora cf. minima voucher E3211 clone BM42 cyt	EF164929	82.33	99.08	6.45713e-53	Naviculales	Sellaphoraceae	Sellaphora cf. minima
Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu	JN418688	82.55	97.7	2.25376e-52	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS-2011
Fistulifera solaris mitochondrion, complete genome	KT363689	81.86	99.08	2.74564e-51	Naviculales	Naviculaceae	Fistulifera solaris
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	81.86	99.08	2.74564e-51	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Pinnularia sp. 10 CS-2011 cytochrome c oxidase sub	JN418692	81.86	99.08	2.74564e-51	Naviculales	Pinnulariaceae	Pinnularia sp. 10 CS-2011
Sellaphora pupula voucher RBGE_O68 cytochrome oxid	HQ317102	81.86	99.08	2.74564e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Fistulifera pelliculosa cytochrome oxidase subunit	HQ317074	81.86	99.08	2.74564e-51	Naviculales	Naviculaceae	Fistulifera pelliculosa
Invertebrate environmental sample clone G05 cytoch	GU070938	84.29	88.02	9.58324e-51			invertebrate environmental sample
Invertebrate environmental sample clone F01 cytoch	GU070937	84.29	88.02	9.58324e-51			invertebrate environmental sample
Sellaphora pupula clone LE D35 cytochrome oxidase	KC911838	81.4	99.08	3.34488e-50	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE J9 cytochrome oxidase s	KC911837	81.4	99.08	3.34488e-50	Naviculales	Sellaphoraceae	Sellaphora pupula
Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	81.4	99.08	3.34488e-50		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	81.4	99.08	3.34488e-50		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	81.4	99.08	3.34488e-50		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	81.4	99.08	3.34488e-50		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	81.4	99.08	3.34488e-50		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	81.4	99.08	3.34488e-50		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	81.4	99.08	3.34488e-50		Gomphonemataceae	Gomphonema parvulum
Pinnularia sp. 12 CS-2011 cytochrome c oxidase sub	JN418702	81.4	99.08	3.34488e-50	Naviculales	Pinnulariaceae	Pinnularia sp. 12 CS-2011
Pinnularia sp. 2 CS-2011 cytochrome c oxidase subu	JN418680	81.4	99.08	3.34488e-50	Naviculales	Pinnulariaceae	Pinnularia sp. 2 CS-2011
Sellaphora pupula voucher RBGE_28_28 cytochrome ox	HQ317105	81.4	99.08	3.34488e-50	Naviculales	Sellaphoraceae	Sellaphora pupula
Plagiogramma sp. IAL-2014a voucher Van5.4 cytochro	KF768028	80.93	99.08	1.42228e-48	Triceratiales	Plagiogrammaceae	Plagiogramma sp. IAL-2014a
Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	80.93	99.08	1.42228e-48		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	80.93	99.08	1.42228e-48		Gomphonemataceae	Gomphonema parvulum
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	80.93	99.08	1.42228e-48	Naviculales	Pinnulariaceae	Pinnularia grunowii
Pinnularia sp. 11 CS-2011 cytochrome c oxidase sub	JN418695	83.6	87.1	4.96424e-48	Naviculales	Pinnulariaceae	Pinnularia sp. 11 CS-2011
Pinnularia neomajor strain (Tor1)a cytochrome c ox	JN418677	82.99	89.4	4.96424e-48	Naviculales	Pinnulariaceae	Pinnularia neomajor
Sellaphora pupula voucher E3638 clone DUN7 cytochr	EF164936	80.56	99.54	4.96424e-48	Naviculales	Sellaphoraceae	Sellaphora pupula
Mayamaea permitis clone TCC540 cytochrome oxidase	KC736646	80.47	99.08	1.73269e-47	Naviculales	Naviculaceae	Mayamaea permitis
Sellaphora sp. Sel28/6 mitochondrial COX1 gene for	AB617704	80.47	99.08	1.73269e-47	Naviculales	Sellaphoraceae	Sellaphora sp. Sel28/6
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	80.47	99.08	1.73269e-47		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	80.47	99.08	1.73269e-47		Gomphonemataceae	Gomphonema parvulum
Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	80.47	99.08	1.73269e-47	Naviculales	Pinnulariaceae	Pinnularia neglectiformis
Pinnularia cf. marchica strain (Ecrins4)a cytochro	JN418676	80.47	99.08	1.73269e-47	Naviculales	Pinnulariaceae	Pinnularia cf. marchica
Sellaphora pupula voucher RBGE_SEL212D cytochrome	HQ317092	80.75	98.16	1.73269e-47	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_28_36 cytochrome ox	HQ317100	80.47	99.08	1.73269e-47	Naviculales	Sellaphoraceae	Sellaphora pupula
Navicula glaciei culture-collection CCMP:2743 cyto	HQ317072	80.75	98.16	1.73269e-47	Naviculales	Naviculaceae	Navicula glaciei
Sellaphora pupula voucher E3730 cytochrome oxidase	FJ042923	80.75	98.16	1.73269e-47	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4215 cytochrome oxidase	FJ147204	80.75	98.16	1.73269e-47	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3325 clone GER1 cytochr	EF164955	80.47	99.08	1.73269e-47	Naviculales	Sellaphoraceae	Sellaphora pupula
Bacillariophyta sp. MBTD-CMFRI-S039 cytochrome oxi	KM202112	80.86	96.31	6.04768e-47			Bacillariophyta sp. MBTD-CMFRI-S039
Sellaphora pupula voucher RBGE_32_83 cytochrome ox	HQ317104	80.09	99.54	2.11085e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4350 cytochrome oxidase	FJ151420	80.28	98.16	2.11085e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Haslea crucigera mitochondrial partial COI gene fo	HF563534	80	99.08	7.36758e-46	Naviculales	Naviculaceae	Haslea crucigera
Haslea pseudostrearia mitochondrial partial COI ge	HF563533	80	99.08	7.36758e-46	Naviculales	Naviculaceae	Haslea pseudostrearia
Pinnularia sp. 3 CS-2011 cytochrome c oxidase subu	JN418681	82.29	88.48	7.36758e-46	Naviculales	Pinnulariaceae	Pinnularia sp. 3 CS-2011
Sellaphora pupula voucher RBGE_O60 cytochrome oxid	HQ317103	80	99.08	7.36758e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_28_6 cytochrome oxi	HQ317101	80	99.08	7.36758e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora lanceolata voucher E3635 clone BLA12 cy	EF164953	79.53	99.08	2.57154e-45	Naviculales	Sellaphoraceae	Sellaphora lanceolata
Sellaphora pupula voucher RBGE_BB94 cytochrome oxi	HQ317096	79.53	99.08	8.97556e-45	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora bacillum cytochrome oxidase subunit I (FJ042925	79.53	99.08	8.97556e-45	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	79.53	99.08	8.97556e-45	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3640 clone BLA4 cytoc	EF164941	79.53	99.08	8.97556e-45	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora pupula voucher E3628 clone THR8 cytochr	EF164950	79.53	99.08	8.97556e-45	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora bacillum voucher E3149 clone ST-MAR1 cy	EF164930	79.53	99.08	8.97556e-45	Naviculales	Sellaphoraceae	Sellaphora bacillum
Pinnularia nodosa strain Pin 885 TM cytochrome c o	JN418689	81.44	89.4	3.13278e-44	Naviculales	Pinnulariaceae	Pinnularia nodosa
Gomphonema clevei strain TCC507 cytochrome oxidase	JQ354718	79.34	98.16	1.09345e-43		Gomphonemataceae	Gomphonema clevei
Gomphonema clevei strain TCC469 cytochrome oxidase	JQ354710	79.34	98.16	1.09345e-43	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E3778 cytochrome	GQ374576	79.34	98.16	1.09345e-43	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4329 cytochrome	GQ374573	79.34	98.16	1.09345e-43	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4362 cytochrome	GQ374574	79.34	98.16	1.09345e-43	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora pupula voucher E3024 clone RBG1 cytochr	EF164957	79.34	98.16	1.09345e-43	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia cf. gibba voucher E3603 clone 12 cytoch	EF164938	79.34	98.16	1.09345e-43	Naviculales	Pinnulariaceae	Pinnularia cf. gibba
Sellaphora pupula clone BolinA10 cytochrome oxidas	KC911836	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel627K cytochrome oxidase	KC911835	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel620K cytochrome oxidase	KC911834	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA4 cytochrome oxidase	KC911833	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA2 cytochrome oxidase	KC911832	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora auldreekie clone Sel775INV cytochrome o	KC911820	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora auldreekie clone Sel781INV cytochrome o	KC911819	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora auldreekie clone Sel776INV cytochrome o	KC911818	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Fallacia sp. Baikal_260 mitochondrial cox1 gene fo	AB618071	82.16	85.25	3.8165e-43	Naviculales	Sellaphoraceae	Fallacia sp. Baikal_260
Pinnularia acuminata strain Pin 876 TM cytochrome	JN418697	79.07	99.08	3.8165e-43	Naviculales	Pinnulariaceae	Pinnularia acuminata
Pinnularia sp. 6 CS-2011 cytochrome c oxidase subu	JN418684	79.07	99.08	3.8165e-43	Naviculales	Pinnulariaceae	Pinnularia sp. 6 CS-2011
Sellaphora sp. E4391 cytochrome oxidase subunit 1	HQ317089	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora caput
Sellaphora pupula voucher RBGE_SEL642K cytochrome	HQ317107	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora sp. E4391 cytochrome oxidase subunit I	FJ042926	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora caput
Sellaphora sp. E4391 cytochrome oxidase subunit I	FJ151419	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora caput
Grammonema striatula voucher FSIII A20106 cytochrom	GQ844261	79.07	99.08	3.8165e-43	Fragilariales	Fragilariaceae	Grammonema striatula
Sellaphora auldreekie voucher E3652 clone BLA2 cyt	EF164932	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	79.07	99.08	3.8165e-43	Naviculales	Sellaphoraceae	Sellaphora pupula
Fragilaria striatula mitochondrial cox1 gene for c	AB020224	79.07	99.08	3.8165e-43	Fragilariales	Fragilariaceae	Grammonema striatula
Sellaphora obesa voucher RBGE_SEL601As cytochrome	HQ317090	78.7	99.54	1.33209e-42	Naviculales	Sellaphoraceae	Sellaphora obesa
Entomoneis cf. alata voucher CCMP1522 cytochrome o	GQ844260	81.48	87.1	1.33209e-42		Entomoneidaceae	Entomoneis cf. alata
Chaetoceros socialis voucher CCMP1579 cytochrome o	GQ844249	80.1	92.63	1.33209e-42	Chaetocerotales	Chaetocerotaceae	Chaetoceros socialis
Sellaphora pupula mitochondrial cox1 gene for cyto	AB971667	78.6	99.08	4.64945e-42	Naviculales	Sellaphoraceae	Sellaphora pupula
Pleurosigma strigosum strain X cytochrome oxidase	KJ671738	78.6	99.08	4.64945e-42	Naviculales	Pleurosigmataceae	Pleurosigma strigosum