

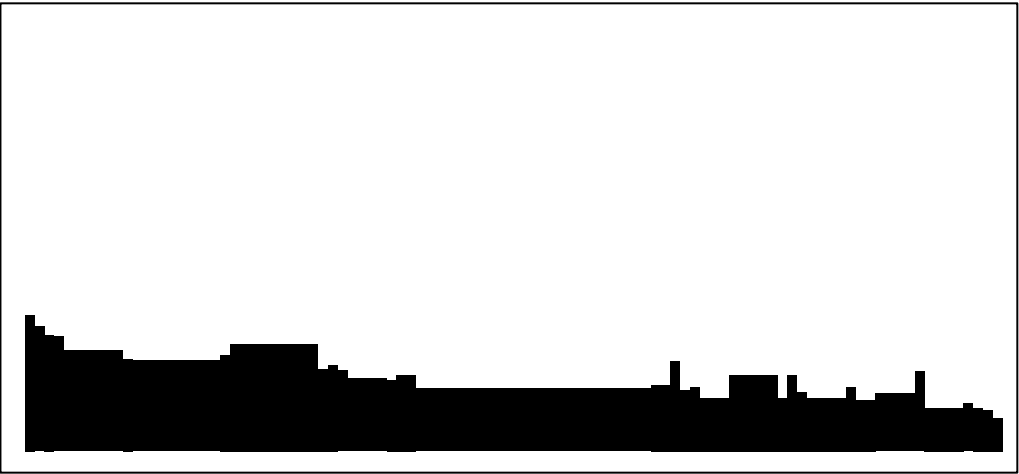
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Pinnularia subanglica

Pinnulariaceae

Naviculales

86.38



Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	86.38	98.16	8.95813e-64	Naviculales	Pinnulariaceae	Pinnularia subanglica
Pinnularia cf. gibba voucher E3603 clone 12 cytoch	EF164938	85.85	97.7	3.80909e-62	Naviculales	Pinnulariaceae	Pinnularia cf. gibba
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	85.45	98.16	4.64043e-61	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS-2011
Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu	JN418688	85.38	97.7	1.61967e-60	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS-2011
Gomphonema clevei strain TCC507 cytochrome oxidase	JQ354718	84.72	99.54	5.6532e-60		Gomphonemataceae	Gomphonema clevei
Gomphonema clevei strain TCC469 cytochrome oxidase	JQ354710	84.72	99.54	5.6532e-60		Gomphonemataceae	Gomphonema clevei
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	84.72	99.54	5.6532e-60		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	84.72	99.54	5.6532e-60		Gomphonemataceae	Gomphonema parvulum
Pinnularia subcommutata var. nonfasciata strain Co	JN418686	84.72	99.54	5.6532e-60	Naviculales	Pinnulariaceae	Pinnularia subcommutata var. nonfasciata
Sellaphora cf. seminulum voucher E3168 clone TM37	EF164956	84.72	99.54	5.6532e-60	Naviculales	Sellaphoraceae	Sellaphora cf. seminulum
Pinnularia sp. 12 CS-2011 cytochrome c oxidase sub	JN418702	84.33	100	1.97316e-59	Naviculales	Pinnulariaceae	Pinnularia sp. 12 CS-2011
Gomphonema parvulum strain TCC734 cytochrome oxida	JQ354725	84.26	99.54	6.887e-59		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC494 cytochrome oxida	JQ354716	84.26	99.54	6.887e-59		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC492 cytochrome oxida	JQ354715	84.26	99.54	6.887e-59		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC482 cytochrome oxida	JQ354714	84.26	99.54	6.887e-59		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC428 cytochrome oxida	JQ354696	84.26	99.54	6.887e-59		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC436 cytochrome oxida	JQ354703	84.26	99.54	6.887e-59		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC434 cytochrome oxida	JQ354702	84.26	99.54	6.887e-59		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC426 cytochrome oxida	JQ354695	84.26	99.54	6.887e-59		Gomphonemataceae	Gomphonema parvulum
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	84.26	99.54	6.887e-59	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	84.51	98.16	2.4038e-58	Naviculales	Pinnulariaceae	Pinnularia neglectiformis
Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	85.02	95.39	8.39009e-58		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	85.02	95.39	8.39009e-58		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	85.02	95.39	8.39009e-58		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	85.02	95.39	8.39009e-58		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	85.02	95.39	8.39009e-58		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	85.02	95.39	8.39009e-58		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	85.02	95.39	8.39009e-58		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	85.02	95.39	8.39009e-58		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	85.02	95.39	8.39009e-58		Gomphonemataceae	Gomphonema parvulum
Pinnularia cf. microstauron strain (B2)c cytochro	JN418675	83.87	100	8.39009e-58	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Pinnularia sp. 11 CS-2011 cytochrome c oxidase sub	JN418695	84.04	98.16	2.92843e-57	Naviculales	Pinnulariaceae	Pinnularia sp. 11 CS-2011
Pinnularia sp. 10 CS-2011 cytochrome c oxidase sub	JN418692	83.8	99.54	2.92843e-57	Naviculales	Pinnulariaceae	Pinnularia sp. 10 CS-2011
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	83.41	100	1.02212e-56	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Mayamaea permitis clone TCC540 cytochrome oxidase	KC736646	83.41	100	1.02212e-56	Naviculales	Naviculaceae	Mayamaea permitis
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	83.41	100	1.02212e-56	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Pinnularia sp. 3 CS-2011 cytochrome c oxidase subu	JN418681	83.41	100	1.02212e-56	Naviculales	Pinnulariaceae	Pinnularia sp. 3 CS-2011
Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	83.33	99.54	3.56756e-56	Naviculales	Pinnulariaceae	Pinnularia neomajor
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	83.57	98.16	1.2452e-55	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	83.57	98.16	1.2452e-55	Naviculales	Pinnulariaceae	Pinnularia grunowii
Sellaphora capitata strain W2_210 cytochrome c oxi	KT288177	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain W3_211 cytochrome c oxi	KT288171	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain DES_2 cytochrome c oxid	KT288167	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain FIN_240 cytochrome c ox	KT288158	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Pinnularia sp. 8 CS-2011 cytochrome c oxidase subu	JN418685	82.95	100	4.34617e-55	Naviculales	Pinnulariaceae	Pinnularia sp. 8 CS-2011
Navicula sp. CCMP2562 cytochrome oxidase subunit 1	HQ317077	82.95	100	4.34617e-55	Naviculaceae	Naviculaceae	Navicula sp. BOLD:AAO6951
Sellaphora capitata voucher E4364 cytochrome oxida	FJ042922	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata voucher E4363 cytochrome oxida	FJ042921	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate DUN9 cytochrome oxidas	FJ042902	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER10 cytochrome oxida	FJ042919	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER23 cytochrome oxida	FJ042918	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER33 cytochrome oxida	FJ042917	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL11 cytochrome oxida	FJ042916	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL7 cytochrome oxidas	FJ042915	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL1 cytochrome oxidas	FJ042914	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER25 cytochrome oxida	FJ042913	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER16 cytochrome oxida	FJ042912	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate DUN10 cytochrome oxida	FJ042911	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate PUR9 cytochrome oxidas	FJ042910	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate LEV1 cytochrome oxidas	FJ042904	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER27 cytochrome oxida	FJ042903	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata voucher E3608 clone BLA18 cyto	EF164947	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora laevisissima voucher E3651 clone THR4 cyt	EF164943	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora laevisissima
Sellaphora pupula voucher E3622 clone AFR1 cytochr	EF164940	82.95	100	4.34617e-55	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia nodosa strain Pin 885 TM cytochrome c o	JN418689	83.1	98.16	1.51696e-54	Naviculales	Pinnulariaceae	Pinnularia nodosa
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	83.1	98.16	1.51696e-54	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Sellaphora pupula voucher RBGE_BB94 cytochrome oxi	HQ317096	84.24	93.55	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora obesa voucher RBGE_SEL601As cytochrome	HQ317090	82.87	99.54	1.51696e-54	Naviculales	Sellaphoraceae	Sellaphora obesa
Sellaphora laevisissima mitochondrial cox1 gene for	AB971666	83.02	97.7	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora laevisissima
Sellaphora capitata strain W1m_1A10 cytochrome c o	KT288173	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain DES_77 cytochrome c oxi	KT288169	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain KIL2m_4A1 cytochrome c	KT288163	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora pupula clone Sel618K cytochrome oxidase	KC911828	83.57	95.39	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel629K cytochrome oxidase	KC911824	83.57	95.39	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone KewA3 cytochrome oxidase s	KC911823	83.57	95.39	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel630K cytochrome oxidase	KC911822	83.57	95.39	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel624K cytochrome oxidase	KC911821	83.57	95.39	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_O60 cytochrome oxid	HQ317103	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_Kew21 cytochrome ox	HQ317094	83.57	95.39	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Navicula glaciei culture-collection CCMP:2743 cyto	HQ317072	82.79	99.08	5.29472e-54	Naviculales	Naviculaceae	Navicula glaciei
Sellaphora sp. KME-2009a voucher E3778 cytochrome	GQ374576	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4329 cytochrome	GQ374573	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4362 cytochrome	GQ374574	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora pupula voucher E3024 clone RBG1 cytochr	EF164957	82.49	100	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora laevisissima voucher E3174 clone THR2 cyt	EF164931	83.02	97.7	5.29472e-54	Naviculales	Sellaphoraceae	Sellaphora laevisissima
Frustulia vulgaris mitochondrial partial COI gene	HF562256	82.41	99.54	1.84804e-53	Naviculales	Amphipleuraceae	Frustulia vulgaris
Navicula cryptocephala culture-collection CCMP:251	HQ317071	82.41	99.54	1.84804e-53	Naviculales	Naviculaceae	Navicula cryptocephala
Sellaphora bacillum cytochrome oxidase subunit I (FJ042925	82.71	98.62	1.84804e-53	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	82.71	98.62	1.84804e-53	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3640 clone BLA4 cytoc	EF164941	82.71	98.62	1.84804e-53	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3149 clone ST-MAR1 cy	EF164930	82.71	98.62	1.84804e-53	Naviculales	Sellaphoraceae	Sellaphora bacillum
Pinnularia subcapitata var. elongata strain (Wie)c	JN418682	83.74	93.55	6.45029e-53	Naviculales	Pinnulariaceae	Pinnularia subcapitata var. elongata
Sellaphora capitata strain DES_15 cytochrome c oxi	KT288168	82.03	100	2.25137e-52	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora pupula voucher RBGE_O68 cytochrome oxid	HQ317102	82.03	100	2.25137e-52	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3634 clone BLA14 cytoch	EF164944	82.03	100	2.25137e-52	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3325 clone GER1 cytochr	EF164955	82.03	100	2.25137e-52	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3415 clone THR11 cytoch	EF164945	82.24	98.62	2.25137e-52	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	82.03	100	2.25137e-52	Naviculales	Sellaphoraceae	Sellaphora pupula
Mayamaea atomus var. permitis strain (Wes2)f cytoc	JN418700	81.94	99.54	7.85806e-52	Naviculales	Naviculaceae	Mayamaea permitis
Pinnularia sp. 2 CS-2011 cytochrome c oxidase subu	JN418680	81.57	100	2.74273e-51	Naviculales	Pinnulariaceae	Pinnularia sp. 2 CS-2011