

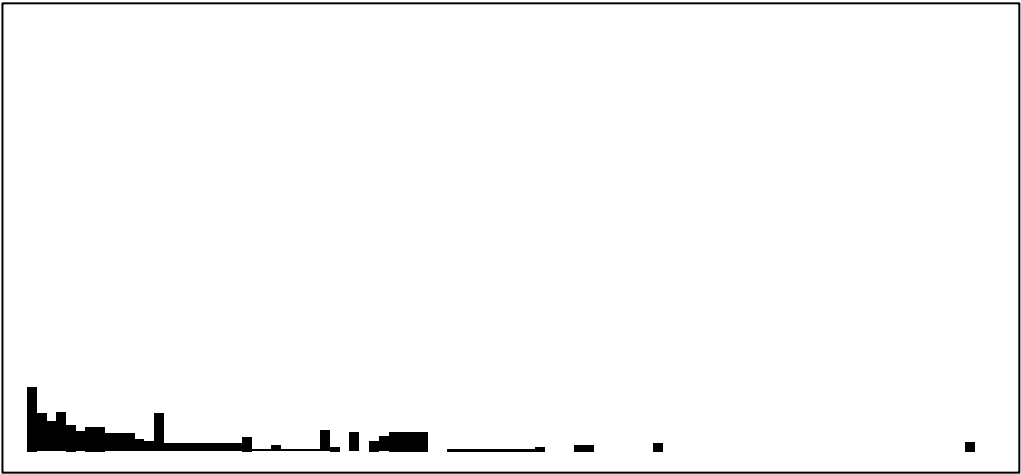
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Pinnularia neglectiformis

Pinnulariaceae

Naviculales

83.02



Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	83.02	97.7	5.29472e-54	Naviculales	Pinnulariaceae	Pinnularia neglectiformis
Frustulia vulgaris mitochondrial partial COI gene	HF562256	81.78	98.62	9.57308e-51	Naviculales	Amphipleuraceae	Frustulia vulgaris
Haslea sp. RG-2015a strain SCCAP K-1343 cytochrome	KT257733	81.4	99.08	3.34133e-50	Naviculales	Naviculaceae	Haslea sp. RG-2015a
Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu	JN418688	81.82	96.31	1.16624e-49	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS-2011
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	81.22	98.16	4.07058e-49	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Haslea sp. VL-2012 mitochondrial partial COI gene	HF563532	80.93	99.08	1.42077e-48	Naviculales	Naviculaceae	Haslea sp. VL-2012
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	81.13	97.7	1.42077e-48	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	81.13	97.7	1.42077e-48	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS-2011
Pleurosigma strigosum strain X cytochrome oxidase	KJ671738	80.84	98.62	4.95898e-48	Naviculales	Pleurosigmataceae	Pleurosigma strigosum
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	80.84	98.62	4.95898e-48		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	80.84	98.62	4.95898e-48		Gomphonemataceae	Gomphonema parvulum
Navicula glaciei culture-collection CCMP:2743 cyto	HQ317072	80.56	99.54	4.95898e-48	Naviculales	Naviculaceae	Navicula glaciei
Haslea sp. VL-2012 mitochondrial partial COI gene	HF563531	80.47	99.08	1.73085e-47	Naviculales	Naviculaceae	Haslea sp. VL-2012
Pinnularia cf. marchica strain (Ecrins4)a cytochro	JN418676	81.77	93.55	1.73085e-47	Naviculales	Pinnulariaceae	Pinnularia cf. marchica
Gomphonema parvulum strain TCC734 cytochrome oxida	JQ354725	80.37	98.62	6.04127e-47		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC494 cytochrome oxida	JQ354716	80.37	98.62	6.04127e-47		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC492 cytochrome oxida	JQ354715	80.37	98.62	6.04127e-47		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC482 cytochrome oxida	JQ354714	80.37	98.62	6.04127e-47		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC428 cytochrome oxida	JQ354696	80.37	98.62	6.04127e-47		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC436 cytochrome oxida	JQ354703	80.37	98.62	6.04127e-47		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC434 cytochrome oxida	JQ354702	80.37	98.62	6.04127e-47		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC426 cytochrome oxida	JQ354695	80.37	98.62	6.04127e-47		Gomphonemataceae	Gomphonema parvulum
Pinnularia sp. 11 CS-2011 cytochrome c oxidase sub	JN418695	80.66	97.7	6.04127e-47	Naviculales	Pinnulariaceae	Pinnularia sp. 11 CS-2011
Gomphonema clevei strain TCC507 cytochrome oxidase	JQ354718	80.09	99.54	2.10861e-46		Gomphonemataceae	Gomphonema clevei
Gomphonema clevei strain TCC469 cytochrome oxidase	JQ354710	80.09	99.54	2.10861e-46		Gomphonemataceae	Gomphonema clevei
Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	80.28	98.16	2.10861e-46	Naviculales	Pinnulariaceae	Pinnularia neomajor
Sellaphora pupula voucher RBGE_SEL212D cytochrome	HQ317092	80.09	99.54	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3730 cytochrome oxidase	FJ042923	80.09	99.54	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4215 cytochrome oxidase	FJ147204	80.09	99.54	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4350 cytochrome oxidase	FJ151420	80.09	99.54	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	80.98	94.47	7.35978e-46	Naviculales	Pinnulariaceae	Pinnularia grunowii
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	80.19	97.7	7.35978e-46	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Haslea karadagensis mitochondrial partial COI gene	HF563530	79.63	99.54	2.56881e-45	Naviculales	Naviculaceae	Haslea karadagensis
Sellaphora lanceolata voucher E3635 clone BLA12 cy	EF164953	80.88	94.01	2.56881e-45	Naviculales	Sellaphoraceae	Sellaphora lanceolata
Haslea karadagensis mitochondrial partial COI gene	HF563529	79.53	99.08	8.96605e-45	Naviculales	Naviculaceae	Haslea karadagensis
Fallacia sp. Baikal_260 mitochondrial cox1 gene fo	AB618071	80.49	94.47	8.96605e-45	Naviculales	Sellaphoraceae	Fallacia sp. Baikal_260
Asterionellopsis guyunusae voucher UR8 cytochrome	KF453984	80.69	93.09	3.12946e-44	Fragilariiales	Fragilariaceae	Asterionellopsis guyunusae
Ditylum brightwellii voucher KMWELL11E cytochrome	GQ844259	80.9	91.71	3.12946e-44	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii voucher MARBOT04 cytochrome o	GQ844258	80.9	91.71	3.12946e-44	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii voucher DITMARTIN cytochrome	GQ844256	80.9	91.71	3.12946e-44	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii mitochondrial cox1 gene for cy	AB020223	80.9	91.71	3.12946e-44	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Psammodictyon panduriforme strain L cytochrome oxi	KJ671737	79.34	98.16	1.09229e-43	Bacillariales	Bacillariaceae	Psammodictyon panduriforme
Lithodesmium variable strain 30 cytochrome oxidas	KJ671735	79.34	98.16	1.09229e-43	Lithodesmiales	Lithodesmiaceae	Lithodesmium variable
Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	80.1	94.93	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	80.1	94.93	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	80.1	94.93	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	80.1	94.93	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	80.1	94.93	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	80.1	94.93	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	80.1	94.93	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	80.1	94.93	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	80.1	94.93	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	80.2	93.09	3.81246e-43	Naviculales	Pinnulariaceae	Pinnularia subanglica
Navicula sp. CCMP2562 cytochrome oxidase subunit 1	HQ317077	79.07	99.08	3.81246e-43	Naviculales	Naviculaceae	Navicula sp. BOLD:AAO6951
Sellaphora seminulum clone TCC461 cytochrome oxida	KC736653	78.97	98.62	1.33068e-42	Naviculales	Sellaphoraceae	Sellaphora seminulum
Pinnularia sp. 12 CS-2011 cytochrome c oxidase sub	JN418702	79.9	94.01	1.33068e-42	Naviculales	Pinnulariaceae	Pinnularia sp. 12 CS-2011
Thalassiosira sp. A11 LG-2014 cytochrome oxidase s	KJ671754	80.3	91.24	4.64453e-42	Thalassiosirales	Thalassiosiraceae	Thalassiosira sp. A11 LG-2014
Uncultured zooplankton clone 22_228 cytochrome c o	KC732413	80.3	91.24	4.64453e-42			zooplankton environmental sample
Pinnularia nodosa strain Pin 885 TM cytochrome c o	JN418689	79.51	94.47	4.64453e-42	Naviculales	Pinnulariaceae	Pinnularia nodosa
Pinnularia subcapitata var. elongata strain (Wie)c	JN418682	79.51	94.47	4.64453e-42	Naviculales	Pinnulariaceae	Pinnularia subcapitata var. elongata
Navicula sp. CCMP1703 cytochrome oxidase subunit 1	HQ317076	78.6	99.08	4.64453e-42	Naviculales	Naviculaceae	Navicula sp. BOLD:AAO6950
Navicula cryptocephala culture-collection CCMP:251	HQ317071	78.6	99.08	4.64453e-42	Naviculales	Naviculaceae	Navicula cryptocephala
Pinnularia sp. 6 CS-2011 cytochrome c oxidase subu	JN418684	79.41	94.01	1.6211e-41	Naviculales	Pinnulariaceae	Pinnularia sp. 6 CS-2011
Sellaphora pupula voucher RBGE_SEL846L cytochrome	HQ317108	79.7	93.09	1.6211e-41	Naviculales	Sellaphoraceae	Sellaphora pupula
Ditylum brightwellii voucher CCMP1810 cytochrome o	GQ844257	80.4	91.71	1.6211e-41	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Sellaphora laevisissima voucher E3651 clone THR4 cyt	EF164943	79.41	94.01	1.6211e-41	Naviculales	Sellaphoraceae	Sellaphora laevisissima
Berkeleya fennica mitochondrion, complete genome	KM886611	79.31	93.55	5.65819e-41	Naviculales	Berkeleyaceae	Berkeleya fennica
Uncultured zooplankton clone 22_123 cytochrome c o	KC732414	79.6	92.63	5.65819e-41			zooplankton environmental sample
Uncultured zooplankton clone 22_121 cytochrome c o	KC732401	79.8	91.24	5.65819e-41			zooplankton environmental sample
Plagiogramma sp. IAL-2014a voucher Van5.4 cytochro	KF768028	78.4	98.16	5.65819e-41	Triceratiales	Plagiogrammaceae	Plagiogramma sp. IAL-2014a
Sellaphora pupula clone LE D35 cytochrome oxidase	KC911838	79.13	94.93	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE J9 cytochrome oxidase s	KC911837	79.13	94.93	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel618K cytochrome oxidase	KC911828	78.85	95.85	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel629K cytochrome oxidase	KC911824	78.85	95.85	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone KewA3 cytochrome oxidase s	KC911823	78.85	95.85	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel630K cytochrome oxidase	KC911822	78.85	95.85	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel624K cytochrome oxidase	KC911821	78.85	95.85	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia sp. 3 CS-2011 cytochrome c oxidase subu	JN418681	79.13	94.93	5.65819e-41	Naviculales	Pinnulariaceae	Pinnularia sp. 3 CS-2011
Pinnularia cf. altiplanensis strain (Tor11)b cytot	JN418678	79.13	94.93	5.65819e-41	Naviculales	Pinnulariaceae	Pinnularia cf. altiplanensis
Sellaphora pupula voucher RBGE_28_28 cytochrome ox	HQ317105	79.13	94.93	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_Kew21 cytochrome ox	HQ317094	78.85	95.85	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora bacillum cytochrome oxidase subunit I (FJ042925	79.31	93.55	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	79.31	93.55	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora bacillum
Entomoneis cf. alata voucher CCMP1522 cytochrome o	GQ844260	78.4	98.16	5.65819e-41		Entomoneidaceae	Entomoneis cf. alata
Sellaphora bacillum voucher E3640 clone BLA4 cytot	EF164941	79.31	93.55	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3149 clone ST-MAR1 cy	EF164930	79.31	93.55	5.65819e-41	Naviculales	Sellaphoraceae	Sellaphora bacillum
Fistulifera solaris mitochondrion, complete genome	KT363689	78.74	95.39	1.9749e-40	Naviculales	Naviculaceae	Fistulifera solaris
Ditylum brightwellii voucher CCMP358 cytochrome ox	GQ844254	79.9	91.71	1.9749e-40	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Sellaphora capitata strain W2_210 cytochrome c oxi	KT288177	79.9	89.4	6.89309e-40	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain W3_211 cytochrome c oxi	KT288171	79.9	89.4	6.89309e-40	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain FIN_240 cytochrome c ox	KT288158	79.9	89.4	6.89309e-40	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora pupula clone BolinA10 cytochrome oxidas	KC911836	78.64	94.93	6.89309e-40	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel627K cytochrome oxidase	KC911835	78.64	94.93	6.89309e-40	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel620K cytochrome oxidase	KC911834	78.64	94.93	6.89309e-40	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA4 cytochrome oxidase	KC911833	78.64	94.93	6.89309e-40	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA2 cytochrome oxidase	KC911832	78.64	94.93	6.89309e-40	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	80.42	87.1	6.89309e-40	Pinnulariaceae	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	78.92	94.01	6.89309e-40	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Pinnularia sp. 8 CS-2011 cytochrome c oxidase subu	JN418685	78.92	94.01	6.89309e-40	Naviculales	Pinnulariaceae	Pinnularia sp. 8 CS-2011
Pinnularia sp. 2 CS-2011 cytochrome c oxidase subu	JN418680	78.92	94.01	6.89309e-40	Naviculales	Pinnulariaceae	Pinnularia sp. 2 CS-2011