

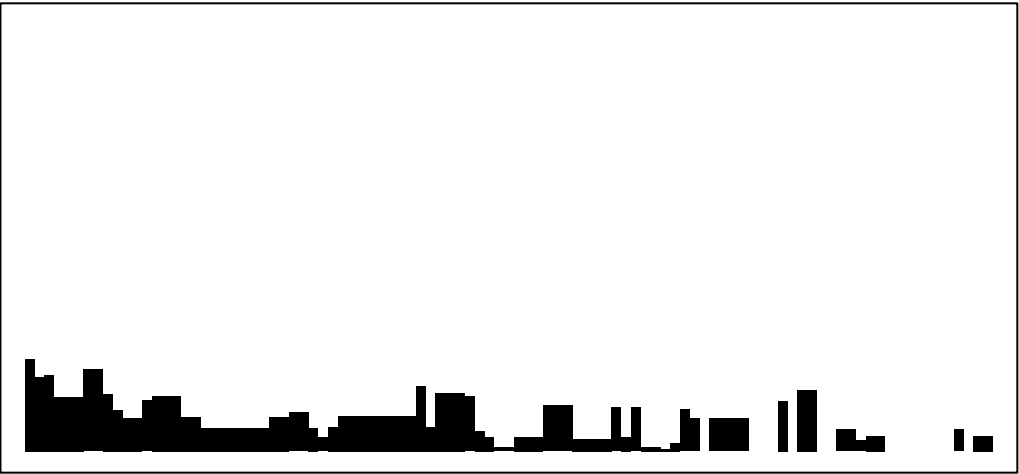
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Pinnularia sp. 10 CS–2011

Pinnulariaceae

Naviculales

84.33



Pinnularia sp. 10 CS–2011 cytochrome c oxidase sub	JN418692	84.33	100	1.97316e–59	Naviculales	Pinnulariaceae	Pinnularia sp. 10 CS–2011
Mayamaea atomus var. perinitis strain (Wes2)f cytoc	JN418700	83.49	97.7	4.34617e–55	Naviculales	Naviculaceae	Mayamaea perinitis
Pinnularia cf. marchica strain (Ecrins4)a cytochro	JN418676	83.57	95.39	5.29472e–54	Naviculales	Pinnulariaceae	Pinnularia cf. marchica
Pinnularia acuminata strain Pin 876 TM cytochrome	JN418697	82.55	97.7	2.25137e–52	Naviculales	Pinnulariaceae	Pinnularia acuminata
Pinnularia sp. 5 CS–2011 cytochrome c oxidase subu	JN418683	82.55	97.7	2.25137e–52	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS–2011
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	82.55	97.7	2.25137e–52	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Frustulia maoriana mitochondrial partial COI gene	HF562264	83.84	91.24	7.85806e–52	Naviculales	Amphipleuraceae	Frustulia maoriana
Sellaphora seminulum clone TCC461 cytochrome oxida	KC736653	83.84	91.24	7.85806e–52	Naviculales	Sellaphoraceae	Sellaphora seminulum
Pinnularia sp. 3 CS–2011 cytochrome c oxidase subu	JN418681	82.69	95.85	7.85806e–52	Naviculales	Pinnulariaceae	Pinnularia sp. 3 CS–2011
Pinnularia cf. altiplanensis strain (Tor11)b cytoc	JN418678	81.94	99.54	7.85806e–52	Naviculales	Pinnulariaceae	Pinnularia cf. altiplanensis
Fistulifera solaris mitochondrion, complete genome	KT363689	81.57	100	2.74273e–51	Naviculales	Naviculaceae	Fistulifera solaris
Bacillariophyta sp. MBTD–CMFRI–S039 cytochrome oxi	KM202112	81.57	100	2.74273e–51			Bacillariophyta sp. MBTD–CMFRI–S039
Frustulia vulgaris mitochondrial partial COI gene	HF562256	82.38	96.77	2.74273e–51	Naviculales	Amphipleuraceae	Frustulia vulgaris
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	82.61	95.39	2.74273e–51		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	82.61	95.39	2.74273e–51		Gomphonemataceae	Gomphonema parvulum
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	82.61	95.39	2.74273e–51	Naviculales	Pinnulariaceae	Pinnularia grunowii
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	81.6	97.7	1.16624e–49	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Mayamaea perinitis clone TCC540 cytochrome oxidase	KC736646	81.6	97.7	1.16624e–49	Naviculales	Naviculaceae	Mayamaea perinitis
Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	81.11	100	1.16624e–49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	81.11	100	1.16624e–49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	81.11	100	1.16624e–49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	81.11	100	1.16624e–49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	81.11	100	1.16624e–49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	81.11	100	1.16624e–49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	81.11	100	1.16624e–49		Gomphonemataceae	Gomphonema parvulum
Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	81.6	97.7	1.16624e–49	Naviculales	Pinnulariaceae	Pinnularia subanglica
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	81.6	97.7	1.16624e–49	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Invertebrate environmental sample clone G05 cytoch	GU070938	81.82	96.31	1.16624e–49			invertebrate environmental sample
Invertebrate environmental sample clone F01 cytoch	GU070937	81.82	96.31	1.16624e–49			invertebrate environmental sample
Sellaphora pupula voucher E4350 cytochrome oxidase	FJ151420	81.11	100	1.16624e–49	Naviculales	Sellaphoraceae	Sellaphora pupula
Plagiogramma sp. IAL–2014a voucher Van5.4 cytochro	KF768028	80.65	100	1.42077e–48	Triceratales	Plagiogrammaceae	Plagiogramma sp. IAL–2014a
Frustulia gondwana mitochondrial partial COI gene	HF562263	81.13	97.7	1.42077e–48	Naviculales	Amphipleuraceae	Frustulia gondwana
Gomphonema parvulum strain TCC734 cytochrome oxida	JQ354725	81.64	95.39	1.42077e–48		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC494 cytochrome oxida	JQ354716	81.64	95.39	1.42077e–48		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC492 cytochrome oxida	JQ354715	81.64	95.39	1.42077e–48		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC482 cytochrome oxida	JQ354714	81.64	95.39	1.42077e–48		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC428 cytochrome oxida	JQ354696	81.64	95.39	1.42077e–48		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC436 cytochrome oxida	JQ354703	81.64	95.39	1.42077e–48		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC434 cytochrome oxida	JQ354702	81.64	95.39	1.42077e–48		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC426 cytochrome oxida	JQ354695	81.64	95.39	1.42077e–48		Gomphonemataceae	Gomphonema parvulum
Pinnularia sp. 12 CS–2011 cytochrome c oxidase sub	JN418702	83.08	89.86	1.42077e–48	Naviculales	Pinnulariaceae	Pinnularia sp. 12 CS–2011
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	81.13	97.7	1.42077e–48	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Sellaphora pupula voucher RBGE_SEL212D cytochrome	HQ317092	82.74	90.78	1.42077e–48	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3730 cytochrome oxidase	FJ042923	82.74	90.78	1.42077e–48	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4215 cytochrome oxidase	FJ147204	82.74	90.78	1.42077e–48	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	82.56	89.86	1.73085e–47	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia subcommutata var. nonfasciata strain Co	JN418686	80.95	96.77	1.73085e–47	Naviculales	Pinnulariaceae	Pinnularia subcommutata var. nonfasciata
Pleurosigma strigosum strain X cytochrome oxidase	KJ671738	80.66	97.7	6.04127e–47	Naviculales	Pleurosigmataceae	Pleurosigma strigosum
Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	80.18	100	6.04127e–47		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	80.18	100	6.04127e–47		Gomphonemataceae	Gomphonema parvulum
Pinnularia sp. 9 CS–2011 cytochrome c oxidase subu	JN418688	80.66	97.7	6.04127e–47	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS–2011
Pinnularia sp. 8 CS–2011 cytochrome c oxidase subu	JN418685	80.66	97.7	6.04127e–47	Naviculales	Pinnulariaceae	Pinnularia sp. 8 CS–2011
Fistulifera pelliculosa cytochrome oxidase subunit	HQ317074	80.66	97.7	6.04127e–47	Naviculales	Naviculaceae	Fistulifera pelliculosa
Sellaphora pupula clone LE D35 cytochrome oxidase	KC911838	82.14	90.32	2.10861e–46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE J9 cytochrome oxidase s	KC911837	82.14	90.32	2.10861e–46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_28_28 cytochrome ox	HQ317105	82.14	90.32	2.10861e–46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora bacillum cytochrome oxidase subunit I (FJ042925	80.57	97.24	2.10861e–46	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	80.57	97.24	2.10861e–46	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3640 clone BLA4 cytoc	EF164941	80.57	97.24	2.10861e–46	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3149 clone ST–MAR1 cy	EF164930	80.57	97.24	2.10861e–46	Naviculales	Sellaphoraceae	Sellaphora bacillum
Amphiprora alata strain J cytochrome oxidase subun	KJ671723	82.05	89.86	7.35978e–46	Naviculales	Amphipleuraceae	Amphiprora alata
Fallacia sp. Baikal_260 mitochondrial cox1 gene fo	AB618071	80.68	95.39	7.35978e–46	Naviculales	Sellaphoraceae	Fallacia sp. Baikal_260
Sellaphora obesa voucher RBGE_SEL601As cytochrome	HQ317090	82.05	89.86	7.35978e–46	Naviculales	Sellaphoraceae	Sellaphora obesa
Sellaphora cf. seminulum voucher E3168 clone TM37	EF164956	80.19	97.7	7.35978e–46	Naviculales	Sellaphoraceae	Sellaphora cf. seminulum
Sellaphora cf. minima voucher E3211 clone BM42 cyt	EF164929	80.19	97.7	7.35978e–46	Naviculales	Sellaphoraceae	Sellaphora cf. minima
Sellaphora pupula voucher RBGE_32_83 cytochrome ox	HQ317104	80.09	97.24	2.56881e–45	Naviculales	Sellaphoraceae	Sellaphora pupula
Navicula glaciei culture–collection CCMP:2743 cyto	HQ317072	80.38	96.31	2.56881e–45	Naviculales	Naviculaceae	Navicula glaciei
Sellaphora pupula voucher E3638 clone DUN7 cytochr	EF164936	81.96	89.4	2.56881e–45	Naviculales	Sellaphoraceae	Sellaphora pupula
Lithodesmium variable strain 30 cytochrome oxidas	KJ671735	81.54	89.86	8.96605e–45	Lithodesmiales	Lithodesmiaceae	Lithodesmium variable
Pinnularia cf. isselana strain Cal 878 TM cytochro	JN418694	80	96.77	8.96605e–45	Naviculales	Pinnulariaceae	Pinnularia cf. isselana
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	81.54	89.86	8.96605e–45	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia sp. 2 CS–2011 cytochrome c oxidase subu	JN418680	81.54	89.86	8.96605e–45	Naviculales	Pinnulariaceae	Pinnularia sp. 2 CS–2011
Sellaphora pupula voucher E3628 clone THR8 cytochr	EF164950	81.54	89.86	8.96605e–45	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	81.54	89.86	8.96605e–45	Naviculales	Sellaphoraceae	Sellaphora pupula
Frustulia aotearoa mitochondrial partial COI gene	HF562266	79.9	96.31	3.12946e–44	Naviculales	Amphipleuraceae	Frustulia aotearoa
Haslea karadagensis mitochondrial partial COI gene	HF563530	79.26	100	3.12946e–44	Naviculales	Naviculaceae	Haslea karadagensis
Pseudo–nitzschia hasleana strain NWFSC 252 cytochr	JN050311	79.26	100	3.12946e–44	Bacillariales	Bacillariaceae	Pseudo–nitzschia hasleana
Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	82.35	86.18	3.12946e–44	Naviculales	Pinnulariaceae	Pinnularia neglectiformis
Haslea karadagensis mitochondrial partial COI gene	HF563529	79.17	99.54	1.09229e–43	Naviculales	Naviculaceae	Haslea karadagensis
Pseudo–nitzschia subcurvata culture–collection CCM	HQ317088	82.87	83.41	1.09229e–43	Bacillariales	Bacillariaceae	Pseudo–nitzschia subcurvata
Pseudo–nitzschia subcurvata culture–collection CCM	HQ317087	82.87	83.41	1.09229e–43	Bacillariales	Bacillariaceae	Pseudo–nitzschia subcurvata
Pinnularia cf. gibba voucher E3603 clone 12 cytoch	EF164938	79.17	99.54	1.09229e–43	Naviculales	Pinnulariaceae	Pinnularia cf. gibba
Haslea sp. RG–2015a strain SCCAP K–1343 cytochrome	KT257733	79.25	97.7	3.81246e–43	Naviculales	Naviculaceae	Haslea sp. RG–2015a
Skeletonema ardens strain MBTD–CMFRI–S049 cytochro	KM202114	81.03	89.86	3.81246e–43	Thalassiosirales	Skeletonemataceae	Skeletonema ardens
Thalassiosira sp. A11 LG–2014 cytochrome oxidase s	KJ671754	81.03	89.86	3.81246e–43	Thalassiosirales	Thalassiosiraceae	Thalassiosira sp. A11 LG–2014
Pseudoperonospora cannabina isolate HV2740 voucher	KJ651338	80.5	92.17	3.81246e–43	Peronosporales	Peronosporaceae	Pseudoperonospora cannabina
Nitzschia acidoclinata clone TCC543 cytochrome oxi	KC736648	80.71	90.78	3.81246e–43	Bacillariales	Bacillariaceae	Nitzschia acidoclinata
Nitzschia acidoclinata clone TCC537 cytochrome oxi	KC736647	80.71	90.78	3.81246e–43	Bacillariales	Bacillariaceae	Nitzschia acidoclinata
Haslea ostrearia mitochondrial partial COI gene fo	HE995433	79.25	97.7	3.81246e–43	Naviculales	Naviculaceae	Haslea ostrearia
Haslea ostrearia mitochondrial partial COI gene fo	HE995432	79.25	97.7	3.81246e–43	Naviculales	Naviculaceae	Haslea ostrearia
Haslea ostrearia mitochondrial partial COI gene fo	HE995431	79.25	97.7	3.81246e–43	Naviculales	Naviculaceae	Haslea ostrearia
Haslea ostrearia mitochondrial partial COI gene fo	HE995430	79.25	97.7	3.81246e–43	Naviculales	Naviculaceae	Haslea ostrearia
Haslea ostrearia mitochondrial partial COI gene fo	HE995428	79.25	97.7	3.81246e–43	Naviculales	Naviculaceae	Haslea ostrearia
Haslea ostrearia mitochondrial partial COI gene fo	HE995414	79.25	97.7	3.81246e–43	Naviculales	Naviculaceae	Haslea ostrearia
Haslea ostrearia mitochondrial partial COI gene fo	HE995415	79.25	97.7	3.81246e–43	Naviculales	Naviculaceae	Haslea ostrearia
Sellaphora pupula voucher RBGE_O60 cytochrome oxid	HQ317103	81.03	89.86	3.81246e–43	Naviculales	Sellaphoraceae	Sellaphora pupula
Navicula sp. CCMP2562 cytochrome oxidase subunit 1	HQ317077	79.25	97.7	3.81246e–43	Naviculales	Naviculaceae	Navicula sp. BOLD:AAO6951
Nitzschia cf. fonticola 2 RT–2009 mitochondrial pa	FN557061	80.71	90.78	3.81246e–43	Bacillariales	Bacillariaceae	Nitzschia cf. fonticola 2 RT–2009
Nitzschia cf. fonticola 1 RT–2009 mitochondrial pa	FN557060	80.71	90.78	3.81246e–43	Bacillariales	Bacillariaceae	Nitzschia cf. fonticola 1 RT–2009
Grammonema striatula voucher FSIIIA20106 cytochrom	GQ844261	79.25	97.7	3.81246e–43	Fragilariales	Fragilariaceae	Grammonema striatula