

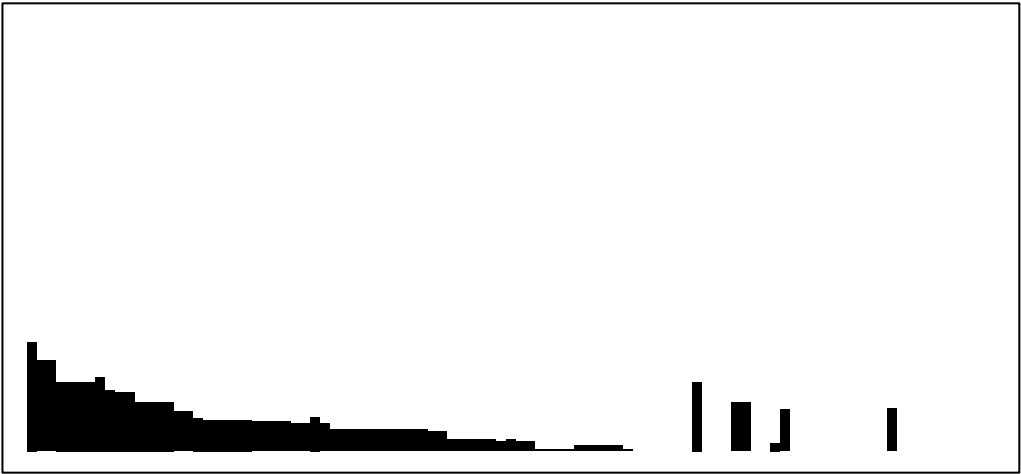
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Berkeleya fennica

Berkeleyaceae

Naviculales

85.12



Berkeleya fennica mitochondrion, complete genome	KM886611	85.12	99.08	4.64043e-61	Naviculales	Berkeleyaceae	Berkeleya fennica
Pinnularia cf. isselana strain Cal 878 TM cytochro	JN418694	84.26	99.54	6.887e-59	Naviculales	Pinnulariaceae	Pinnularia cf. isselana
Sellaphora cf. minima voucher E3211 clone BM42 cyt	EF164929	84.26	99.54	6.887e-59	Naviculales	Sellaphoraceae	Sellaphora cf. minima
Mayamaea atomus var. permitis strain (Wes2)f cytoc	JN418700	83.26	99.08	1.2452e-55	Naviculales	Naviculaceae	Mayamaea permitis
Pinnularia viridiformis strain Pin 870 MG cytochro	JN418691	83.26	99.08	1.2452e-55	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	83.26	99.08	1.2452e-55	Naviculales	Pinnulariaceae	Pinnularia neomajor
Pinnularia cf. microstauron strain (B2)c cytochrom	JN418675	83.26	99.08	1.2452e-55	Naviculales	Pinnulariaceae	Pinnularia cf. microstauron
Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu	JN418688	83.49	97.7	4.34617e-55	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS-2011
Pinnularia sp. 10 CS-2011 cytochrome c oxidase sub	JN418692	82.87	99.54	1.51696e-54	Naviculales	Pinnulariaceae	Pinnularia sp. 10 CS-2011
Pinnularia acrosphaeria strain (Enc2)b cytochrome	JN418701	82.79	99.08	5.29472e-54	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia parvulissima strain Pin 877 TM cytochro	JN418693	82.79	99.08	5.29472e-54	Naviculales	Pinnulariaceae	Pinnularia parvulissima
Pinnularia subanglica strain Pin 650 K cytochrome	JN418698	82.33	99.08	6.45029e-53	Naviculales	Pinnulariaceae	Pinnularia subanglica
Pinnularia subcommutata var. nonfasciata strain Co	JN418686	82.33	99.08	6.45029e-53	Naviculales	Pinnulariaceae	Pinnularia subcommutata var. nonfasciata
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	82.33	99.08	6.45029e-53	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS-2011
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	82.33	99.08	6.45029e-53	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Pinnularia acrosphaeria clone TCC472 cytochrome ox	KC736652	81.86	99.08	2.74273e-51	Naviculales	Pinnulariaceae	Pinnularia acrosphaeria
Pinnularia sp. 2 CS-2011 cytochrome c oxidase subu	JN418680	81.86	99.08	2.74273e-51	Naviculales	Pinnulariaceae	Pinnularia sp. 2 CS-2011
Navicula glaciei culture-collection CCMP:2743 cyto	HQ317072	81.57	100	2.74273e-51	Naviculales	Naviculaceae	Navicula glaciei
Fistulifera solaris mitochondrion, complete genome	KT363689	81.48	99.54	9.57308e-51	Naviculales	Naviculaceae	Fistulifera solaris
Frustulia vulgaris mitochondrial partial COI gene	HF562256	81.48	99.54	9.57308e-51	Naviculales	Amphipleuraceae	Frustulia vulgaris
Sellaphora pupula clone LE D35 cytochrome oxidase	KC911838	81.48	99.54	9.57308e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE J9 cytochrome oxidase s	KC911837	81.48	99.54	9.57308e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_28_28 cytochrome ox	HQ317105	81.48	99.54	9.57308e-51	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia sp. 11 CS-2011 cytochrome c oxidase sub	JN418695	81.4	99.08	3.34133e-50	Naviculales	Pinnulariaceae	Pinnularia sp. 11 CS-2011
Pinnularia grunowii strain Pin 889 MG cytochrome c	JN418690	81.4	99.08	3.34133e-50	Naviculales	Pinnulariaceae	Pinnularia grunowii
Sellaphora pupula voucher RBGE_O68 cytochrome oxid	HQ317102	81.4	99.08	3.34133e-50	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora laevisissima voucher E3651 clone THR4 cyt	EF164943	81.4	99.08	3.34133e-50	Naviculales	Sellaphoraceae	Sellaphora laevisissima
Gomphonema clevei strain TCC507 cytochrome oxidase	JQ354718	81.31	98.62	1.16624e-49	Naviculales	Gomphonemataceae	Gomphonema clevei
Gomphonema clevei strain TCC469 cytochrome oxidase	JQ354710	81.31	98.62	1.16624e-49		Gomphonemataceae	Gomphonema clevei
Pinnularia sp. 3 CS-2011 cytochrome c oxidase subu	JN418681	81.6	97.7	1.16624e-49	Naviculales	Pinnulariaceae	Pinnularia sp. 3 CS-2011
Sellaphora cf. seminulum voucher E3168 clone TM37	EF164956	81.31	98.62	1.16624e-49	Naviculales	Sellaphoraceae	Sellaphora cf. seminulum
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	81.02	99.54	4.07058e-49	Naviculales	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	81.02	99.54	4.07058e-49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	81.02	99.54	4.07058e-49	Naviculales	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	81.02	99.54	4.07058e-49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	81.02	99.54	4.07058e-49	Naviculales	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	81.02	99.54	4.07058e-49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	81.02	99.54	4.07058e-49	Naviculales	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	81.02	99.54	4.07058e-49		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	81.02	99.54	4.07058e-49	Naviculales	Gomphonemataceae	Gomphonema parvulum
Nitzschia sp. BOLD:AAX5147 cytochrome oxidase subu	HQ317079	81.02	99.54	4.07058e-49		Bacillariales	Nitzschia sp. BOLD:AAX5147
Pinnularia sp. 12 CS-2011 cytochrome c oxidase sub	JN418702	80.93	99.08	1.42077e-48	Naviculales	Pinnulariaceae	Pinnularia sp. 12 CS-2011
Pinnularia neglectiformis strain Pin 706 F cytochr	JN418696	80.93	99.08	1.42077e-48	Naviculales	Pinnulariaceae	Pinnularia neglectiformis
Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	80.56	99.54	4.95898e-48	Naviculales	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	80.56	99.54	4.95898e-48		Gomphonemataceae	Gomphonema parvulum
Sellaphora bacillum cytochrome oxidase subunit I (FJ042925	80.56	99.54	4.95898e-48	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	80.56	99.54	4.95898e-48	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3640 clone BLA4 cytoc	EF164941	80.56	99.54	4.95898e-48	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora lanceolata voucher E3635 clone BLA12 cy	EF164953	80.47	99.08	4.95898e-48	Naviculales	Sellaphoraceae	Sellaphora lanceolata
Sellaphora bacillum voucher E3149 clone ST-MAR1 cy	EF164930	80.56	99.54	4.95898e-48	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora obesa voucher RBGE_SEL601As cytochrome	HQ317090	80.47	99.08	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora obesa
Sellaphora pupula voucher E3638 clone DUN7 cytochr	EF164936	80.47	99.08	1.73085e-47	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora auldreekie clone Sel775INV cytochrome o	KC911820	80.09	99.54	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora auldreekie clone Sel781INV cytochrome o	KC911819	80.09	99.54	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora auldreekie clone Sel776INV cytochrome o	KC911818	80.09	99.54	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Fistulifera pelliculosa cytochrome oxidase subunit	HQ317074	80.09	99.54	2.10861e-46	Naviculales	Naviculaceae	Fistulifera pelliculosa
Sellaphora sp. KME-2009a voucher E3778 cytochrome	GQ374576	80.28	98.16	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4329 cytochrome	GQ374573	80.28	98.16	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4362 cytochrome	GQ374574	80.28	98.16	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora pupula voucher E3024 clone RBG1 cytochr	EF164957	80.28	98.16	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia cf. gibba voucher E3603 clone 12 cytoch	EF164938	80.28	98.16	2.10861e-46	Naviculales	Pinnulariaceae	Pinnularia cf. gibba
Sellaphora auldreekie voucher E3652 clone BLA2 cyt	EF164932	80.09	99.54	2.10861e-46	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora pupula clone BolinA10 cytochrome oxidas	KC911836	80	99.08	7.35978e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel627K cytochrome oxidase	KC911835	80	99.08	7.35978e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel620K cytochrome oxidase	KC911834	80	99.08	7.35978e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA4 cytochrome oxidase	KC911833	80	99.08	7.35978e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA2 cytochrome oxidase	KC911832	80	99.08	7.35978e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Mayamaea permitis clone TCC540 cytochrome oxidase	KC736646	80	99.08	7.35978e-46	Naviculales	Naviculaceae	Mayamaea permitis
Fallacia sp. Baikal_260 mitochondrial cox1 gene fo	AB618071	83.24	85.25	7.35978e-46	Naviculales	Sellaphoraceae	Fallacia sp. Baikal_260
Pinnularia sp. 6 CS-2011 cytochrome c oxidase subu	JN418684	80	99.08	7.35978e-46	Naviculales	Pinnulariaceae	Pinnularia sp. 6 CS-2011
Pinnularia neomajor strain (Tor1)a cytochrome c ox	JN418677	80	99.08	7.35978e-46	Naviculales	Pinnulariaceae	Pinnularia neomajor
Sellaphora pupula voucher RBGE_SEL642K cytochrome	HQ317107	80	99.08	7.35978e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Invertebrate environmental sample clone G05 cytoch	GU070938	82.29	88.48	7.35978e-46	Naviculales	Sellaphoraceae	invertebrate environmental sample
Invertebrate environmental sample clone F01 cytoch	GU070937	82.29	88.48	7.35978e-46			invertebrate environmental sample
Sellaphora pupula voucher E3325 clone GER1 cytochr	EF164955	80	99.08	7.35978e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3628 clone THR8 cytochr	EF164950	80	99.08	7.35978e-46	Naviculales	Sellaphoraceae	Sellaphora pupula
Uncultured zooplankton clone 22_96 cytochrome c ox	KC732418	80.38	96.31	2.56881e-45	Naviculales	Pinnulariaceae	zooplankton environmental sample
Pinnularia nodosa strain Pin 885 TM cytochrome c o	JN418689	81.96	89.4	2.56881e-45			Pinnularia nodosa
Sellaphora pupula voucher RBGE_SEL212D cytochrome	HQ317092	79.91	98.62	2.56881e-45	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3730 cytochrome oxidase	FJ042923	79.91	98.62	2.56881e-45	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4215 cytochrome oxidase	FJ147204	79.91	98.62	2.56881e-45	Naviculales	Sellaphoraceae	Sellaphora pupula
Entomoneis cf. alata voucher CCMP1522 cytochrome o	GQ844260	79.63	99.54	2.56881e-45	Naviculales	Entomoneidaceae	Entomoneis cf. alata
Sellaphora pupula voucher E3415 clone THR11 cytoch	EF164945	79.63	99.54	2.56881e-45		Sellaphoraceae	Sellaphora pupula
Sellaphora sp. Sel28/6 mitochondrial COX1 gene for	AB617704	79.53	99.08	8.96605e-45	Naviculales	Sellaphoraceae	Sellaphora sp. Sel28/6
Sellaphora pupula voucher RBGE_28_36 cytochrome ox	HQ317100	79.53	99.08	8.96605e-45	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_BB94 cytochrome oxi	HQ317096	79.53	99.08	8.96605e-45	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3634 clone BLA14 cytoch	EF164944	79.81	98.16	8.96605e-45	Naviculales	Sellaphoraceae	Sellaphora pupula
Bacillariophyta sp. MBTD-CMFRI-S039 cytochrome oxi	KM202112	79.9	96.31	3.12946e-44	Naviculales	Sellaphoraceae	Bacillariophyta sp. MBTD-CMFRI-S039
Sellaphora pupula voucher RBGE_28_6 cytochrome oxi	HQ317101	82.01	87.1	3.12946e-44			Sellaphora pupula
Sellaphora pupula voucher E4350 cytochrome oxidase	FJ151420	79.44	98.62	3.12946e-44	Naviculales	Sellaphoraceae	Sellaphora pupula
Gomphonema parvulum strain TCC734 cytochrome oxida	JQ354725	79.17	99.54	1.09229e-43	Naviculales	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC494 cytochrome oxida	JQ354716	79.17	99.54	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC492 cytochrome oxida	JQ354715	79.17	99.54	1.09229e-43	Naviculales	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC482 cytochrome oxida	JQ354714	79.17	99.54	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC428 cytochrome oxida	JQ354696	79.17	99.54	1.09229e-43	Naviculales	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC436 cytochrome oxida	JQ354703	79.17	99.54	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC434 cytochrome oxida	JQ354702	79.17	99.54	1.09229e-43	Naviculales	Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC426 cytochrome oxida	JQ354695	79.17	99.54	1.09229e-43		Gomphonemataceae	Gomphonema parvulum
Navicula sp. CCMP2562 cytochrome oxidase subunit 1	HQ317077	79.34	98.16	1.09229e-43	Naviculales	Naviculaceae	Navicula sp. BOLD:AAO6951
Sellaphora pupula clone mm120 cytochrome oxidase s	KC911839	79.07	99.08	3.81246e-43	Naviculales	Sellaphoraceae	Sellaphora pupula