

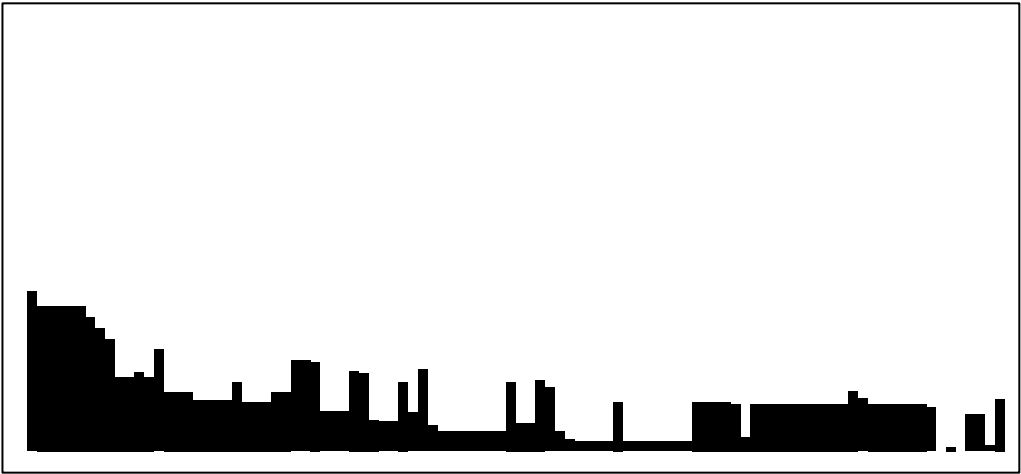
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Lithodesmium variable

Lithodesmiaceae

Lithodesmiales

87.5



Lithodesmium variable strain 30 cytochrome oxidas	KJ671735	87.5	92.17	3.80909e-62	Lithodesmiales	Lithodesmiaceae	Lithodesmium variable
Ditylum brightwellii voucher KMWELL11E cytochrome	GQ844259	86.8	90.78	1.97316e-59	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii voucher MARBOT04 cytochrome o	GQ844258	86.8	90.78	1.97316e-59	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii voucher DITMARTIN cytochrome	GQ844256	86.8	90.78	1.97316e-59	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii mitochondrial coxl gene for cy	AB020223	86.8	90.78	1.97316e-59	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii voucher CCMP1810 cytochrome o	GQ844257	86.8	90.78	2.4038e-58	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii voucher CCMP358 cytochrome ox	GQ844254	86.29	90.78	2.92843e-57	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Skeletonema pseudocostatum mitochondrial coxl gene	AB706245	85.79	90.78	1.02212e-56	Thalassiosirales	Skeletonemataceae	Skeletonema pseudocostatum
Thalassiosira sp. A11 LG-2014 cytochrome oxidase s	KJ671754	85.28	90.78	4.34617e-55	Thalassiosirales	Thalassiosiraceae	Thalassiosira sp. A11 LG-2014
Skeletonema tropicum strain 20 cytochrome oxidase	KJ671745	83.49	97.7	4.34617e-55	Thalassiosirales	Skeletonemataceae	Skeletonema tropicum
Skeletonema tropicum mitochondrial coxl gene for c	AB948168	83.49	97.7	4.34617e-55	Thalassiosirales	Skeletonemataceae	Skeletonema tropicum
Asterionellopsis guyunusae voucher UR8 cytochrome	KF453984	83.73	96.31	4.34617e-55	Fragilariales	Fragilariaceae	Asterionellopsis guyunusae
Skeletonema tropicum mitochondrial coxl gene for c	AB706251	83.49	97.7	4.34617e-55	Thalassiosirales	Skeletonemataceae	Skeletonema tropicum
Skeletonema ardens strain MBTD-CMFRI-S049 cytochro	KM202114	84.77	90.78	5.29472e-54	Thalassiosirales	Skeletonemataceae	Skeletonema ardens
Skeletonema grethae mitochondrial coxl gene for cy	AB706231	82.79	99.08	5.29472e-54	Thalassiosirales	Skeletonemataceae	Skeletonema grethae
Skeletonema grethae mitochondrial coxl gene for cy	AB706230	82.79	99.08	5.29472e-54	Thalassiosirales	Skeletonemataceae	Skeletonema grethae
Cyclotella cryptica voucher CCMP332 cytochrome oxi	GQ844251	82.79	99.08	5.29472e-54	Thalassiosirales	Stephanodiscaceae	Cyclotella cryptica
Chaetoceros sp. MBTD-CMFRI-S062 cytochrome oxidase	KM202111	82.41	99.54	1.84804e-53	Chaetocerotales	Chaetocerotaceae	Chaetoceros sp. MBTD-CMFRI-S062
Chaetoceros sp. MBTD-CMFRI-S005 cytochrome oxidase	KM202108	82.41	99.54	1.84804e-53	Chaetocerotales	Chaetocerotaceae	Chaetoceros sp. MBTD-CMFRI-S005
Asterionellopsis lenisilicea voucher MB9 cytochrom	KF453981	82.41	99.54	1.84804e-53	Fragilariales	Fragilariaceae	Asterionellopsis lenisilicea
Asterionellopsis lenisilicea voucher MB8 cytochrom	KF453980	82.41	99.54	1.84804e-53	Fragilariales	Fragilariaceae	Asterionellopsis lenisilicea
Invertebrate environmental sample clone B05 cytoch	GU070933	83.25	96.31	1.84804e-53			invertebrate environmental sample
Chaetoceros sp. MBTD-CMFRI-S045 cytochrome oxidase	KM202109	82.33	99.08	6.45029e-53	Chaetocerotales	Chaetocerotaceae	Chaetoceros sp. MBTD-CMFRI-S045
Skeletonema tropicum mitochondrial coxl gene for c	AB706250	82.33	99.08	6.45029e-53	Thalassiosirales	Skeletonemataceae	Skeletonema tropicum
Skeletonema japonicum mitochondrial coxl gene for	AB706234	82.33	99.08	6.45029e-53	Thalassiosirales	Skeletonemataceae	Skeletonema japonicum
Thalassiosira nordenskioldii strain 21 cytochrome	KJ671750	82.78	96.31	2.25137e-52	Thalassiosirales	Thalassiosiraceae	Thalassiosira nordenskioldii
Psammodictyon panduriforme strain L cytochrome oxi	KJ671737	82.78	96.31	2.25137e-52	Bacillariales	Bacillariaceae	Psammodictyon panduriforme
Skeletonema ardens mitochondrial coxl gene for cyt	AB706216	84.26	90.78	2.25137e-52	Thalassiosirales	Skeletonemataceae	Skeletonema ardens
Skeletonema ardens mitochondrial coxl gene for cyt	AB706215	84.26	90.78	2.25137e-52	Thalassiosirales	Skeletonemataceae	Skeletonema ardens
Chaetoceros socialis voucher CCMP1579 cytochrome o	GQ844249	84.18	90.32	7.85806e-52	Chaetocerotales	Chaetocerotaceae	Chaetoceros socialis
Skeletonema costatum mitochondrial coxl gene for c	AB948151	81.86	99.08	2.74273e-51	Thalassiosirales	Skeletonemataceae	Skeletonema costatum
Skeletonema potamos mitochondrial coxl gene for cy	AB706249	81.86	99.08	2.74273e-51	Thalassiosirales	Skeletonemataceae	Skeletonema potamos
Skeletonema japonicum mitochondrial coxl gene for	AB706235	81.86	99.08	2.74273e-51	Thalassiosirales	Skeletonemataceae	Skeletonema japonicum
Thalassiosira pseudonana mitochondrion, complete g	DQ186202	83.76	90.78	2.74273e-51	Thalassiosirales	Thalassiosiraceae	Thalassiosira pseudonana
Chaetoceros sp. 19 LG-2014 cytochrome oxidase subu	KJ671728	83.67	90.32	9.57308e-51	Chaetocerotales	Chaetocerotaceae	Chaetoceros sp. 19 LG-2014
Asterionellopsis thurstonii voucher CCMP135 cytoch	KF453985	81.48	99.54	9.57308e-51	Fragilariales	Fragilariaceae	Asterionellopsis thurstonii
Skeletonema subsalsum mitochondrial coxl gene for	AB706248	81.4	99.08	3.34133e-50	Skeletonemataceae	Skeletonemataceae	Skeletonema subsalsum
Skeletonema costatum mitochondrial coxl gene for c	AB706217	81.4	99.08	3.34133e-50	Skeletonemataceae	Skeletonemataceae	Skeletonema costatum
Eucampia zodiacus strain 34 cytochrome oxidase sub	KJ671731	83.25	90.78	1.16624e-49	Hemiaulales	Hemiaulaceae	Eucampia zodiacus
Plagiogramma sp. IAL-2014a voucher Van5.4 cytochro	KF768028	81.82	96.31	1.16624e-49	Plagiogrammaceae	Plagiogrammaceae	Plagiogramma sp. IAL-2014a
Invertebrate environmental sample clone H02 cytoch	GU070935	83.84	90.78	1.16624e-49			invertebrate environmental sample
Ditylum brightwellii voucher CCMP357 cytochrome ox	GQ844255	81.22	90.78	1.16624e-49	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Cyclotella sp. MBTD-CMFRI-S080 cytochrome oxidase	KM202117	80.93	99.08	1.42077e-48	Thalassiosirales	Stephanodiscaceae	Cyclotella sp. MBTD-CMFRI-S080
Cyclotella sp. MBTD-CMFRI-S079 cytochrome oxidase	KM202116	80.93	99.08	1.42077e-48	Thalassiosirales	Stephanodiscaceae	Cyclotella sp. MBTD-CMFRI-S079
Cyclotella sp. MBTD-CMFRI-S044 cytochrome oxidase	KM202113	80.93	99.08	1.42077e-48	Thalassiosirales	Stephanodiscaceae	Cyclotella sp. MBTD-CMFRI-S044
Skeletonema marinoi strain 18 cytochrome oxidase s	KJ671742	80.93	99.08	1.42077e-48	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Skeletonema marinoi mitochondrial coxl gene for cy	AB706239	80.93	99.08	1.42077e-48	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706227	80.93	99.08	1.42077e-48	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema costatum mitochondrial coxl gene for c	AB020227	80.93	99.08	1.42077e-48	Thalassiosirales	Skeletonemataceae	Skeletonema costatum
Cyclotella sp. MBTD-CMFRI-S084 cytochrome oxidase	KM202118	83.25	88.02	4.95898e-48	Thalassiosirales	Stephanodiscaceae	Cyclotella sp. MBTD-CMFRI-S084
Asterionellopsis maritima voucher HX5 cytochrome o	KF453982	81.34	96.31	4.95898e-48	Fragilariales	Fragilariaceae	Asterionellopsis maritima
Invertebrate environmental sample clone H05 cytoch	GU070936	81.34	96.31	4.95898e-48			invertebrate environmental sample
Invertebrate environmental sample clone G03 cytoch	GU070934	83.33	90.78	4.95898e-48			invertebrate environmental sample
Minutocellus polymorphus voucher CCMP499 cytochrom	GQ844268	82.99	89.4	4.95898e-48	Cymatosirales	Cymatosiraceae	Minutocellus polymorphus
Asterionellopsis glacialis voucher IK_MTA55 cytoch	GQ844246	80.93	99.08	4.95898e-48	Fragilariales	Fragilariaceae	Asterionellopsis glacialis
Thalassionema nitzschioides mitochondrial coxl gen	AB020228	80.56	99.54	4.95898e-48	Thalassionemales	Thalassionemataceae	Thalassionema nitzschioides
Skeletonema marinoi voucher 06.JK029.Smar.mt mitoc	KT874463	80.47	99.08	1.73085e-47	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Skeletonema marinoi strain 31 cytochrome oxidase s	KJ671744	80.47	99.08	1.73085e-47	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Skeletonema marinoi strain 22 cytochrome oxidase s	KJ671743	80.47	99.08	1.73085e-47	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Skeletonema marinoi strain 17 cytochrome oxidase s	KJ671741	80.47	99.08	1.73085e-47	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Uncultured zooplankton clone 10_114 cytochrome c o	KC732415	82.32	91.24	1.73085e-47			zooplankton environmental sample
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706228	80.47	99.08	1.73085e-47	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706222	80.47	99.08	1.73085e-47	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706225	80.47	99.08	1.73085e-47	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706224	80.47	99.08	1.73085e-47	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706223	80.47	99.08	1.73085e-47	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706220	80.47	99.08	1.73085e-47	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Thalassiosira weissflogii voucher IK_MTA80 cytochr	GQ844277	80.47	99.08	1.73085e-47	Thalassiosirales	Thalassiosiraceae	Thalassiosira weissflogii
Thalassiosira nordenskioldii voucher IK_MTA159 cy	GQ844275	82.32	91.24	1.73085e-47	Thalassiosirales	Thalassiosiraceae	Thalassiosira nordenskioldii
Uncultured diatom cytochrome oxidase subunit I mit	AY116599	82.32	91.24	1.73085e-47			uncultured diatom
Thalassiosira nordenskioldii mitochondrial coxl1 g	AB038235	82.32	91.24	1.73085e-47	Thalassiosirales	Thalassiosiraceae	Thalassiosira nordenskioldii
Thalassiosira nordenskioldii mitochondrial coxl m	AB020229	82.32	91.24	1.73085e-47	Thalassiosirales	Thalassiosiraceae	Thalassiosira nordenskioldii
Phytophthora multivora strain ICMP 19454 cytochrom	KP295242	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Skeletonema menzellii mitochondrial coxl gene for	AB948162	80.66	97.7	6.04127e-47	Thalassiosirales	Skeletonemataceae	Skeletonema menzellii
Phytophthora citricola mitochondrial COXI gene for	AB688296	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora citricola	Phytophthora citricola
Phytophthora multivora strain RHS226.2001 cytochro	KC855415	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora strain CMW37891 cytochrome	JX272326	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora voucher P1233 cytochrome ox	HQ261373	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora voucher P7902 cytochrome ox	HQ261372	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora voucher CBS111337 cytochrom	HQ708344	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora voucher BR514 cytochrome ox	HQ708343	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora voucher CBS113347 cytochrom	HQ708342	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora voucher CBS119108 cytochrom	HQ708341	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora citricola strain STE-U6750 cytochrome	GU133459	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora citricola	Phytophthora citricola
Chaetoceros socialis voucher CCMP203 cytochrome ox	GQ844248	82.83	90.32	6.04127e-47	Chaetocerotales	Chaetocerotaceae	Chaetoceros socialis
Attheya longicornis voucher IK_MTA197 cytochrome o	GQ844247	82.47	89.4	6.04127e-47	Chaetocerotales	Attheyaceae	Attheya longicornis
Phytophthora multivora strain WAC13200 cytochrome	FJ237509	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora strain WAC13201 cytochrome	FJ237508	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora strain WAC13205 cytochrome	FJ237506	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora strain VHS16439 cytochrome	FJ237505	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora strain DDS1450 cytochrome o	FJ237504	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Phytophthora multivora strain VHS16158 cytochrome	FJ237503	82.23	90.78	6.04127e-47	Peronosporales	Phytophthora multivora	Phytophthora multivora
Haslea sp. RG-2015a strain SCCAP K-1343 cytochrome	KT257733	82.05	89.86	7.35978e-46	Naviculales	Naviculaceae	Haslea sp. RG-2015a
Skeletonema dohrnii mitochondrial coxl gene for cy	AB948152	80	99.08	7.35978e-46	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema menzellii mitochondrial coxl gene for	AB706242	80.19	97.7	7.35978e-46	Thalassiosirales	Skeletonemataceae	Skeletonema menzellii
Skeletonema grevillei mitochondrial coxl gene for	AB706232	80	99.08	7.35978e-46	Thalassiosirales	Skeletonemataceae	Skeletonema grevillei
Phytophthora multivora strain WAC13204 cytochrome	FJ237507	81.73	90.78	7.35978e-46	Thalassiosirales	Skeletonemataceae	Phytophthora multivora
Phytophthora multivora strain VHS16168 cytochrome	FJ237502	81.73	90.78	7.35978e-46	Peronosporales		Phytophthora multivora
Uncultured zooplankton clone 22_115 cytochrome c o	KC732421	80.28	100	2.56881e-45			zooplankton environmental sample
Agrius convolvuli mitochondrial COX1 gene for cyto	LC049959	82.45	86.64	8.96605e-45	Lepidoptera	Sphingidae	Agrius convolvuli