

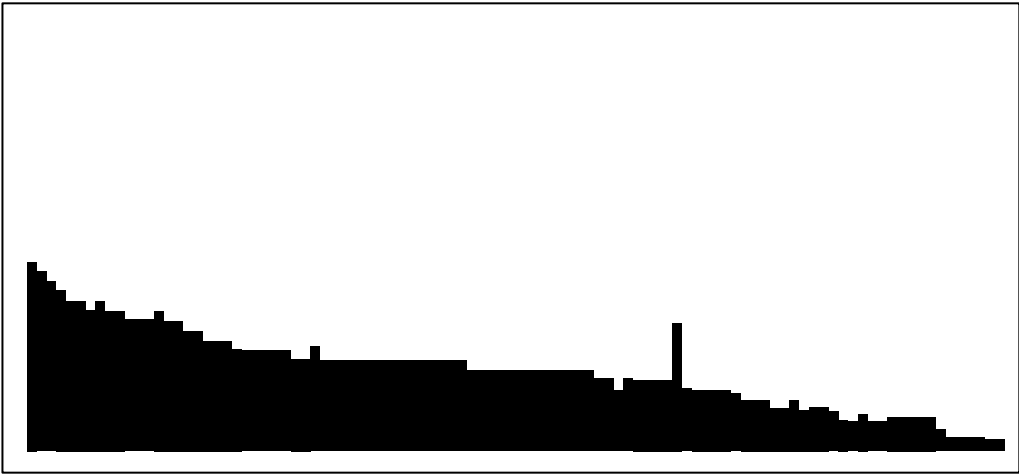
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Chaetoceros sp. MBTD–CMFRI–S045

Chaetocerotaceae

Chaetocerotales

88.89



Chaetoceros sp. MBTD–CMFRI–S045 cytochrome oxidase	KM202109	88.89	99.54	1.84811e–72	Chaetocerotales	Chaetocerotaceae	Chaetoceros sp. MBTD–CMFRI–S045
Thalassiosira weissflogii voucher IK_MTA80 cytochr	GQ844277	88.43	99.54	7.85836e–71	Thalassiosirales	Thalassiosiraceae	Thalassiosira weissflogii
Eucampia zodiacus strain 34 cytochrome oxidase sub	KJ671731	87.96	99.54	9.57344e–70	Hemiaulales	Hemiaulaceae	Eucampia zodiacus
Dimeregramma acutum voucher Van5.3 cytochrome oxid	KF768027	87.56	100	1.16628e–68	Triceratales	Plagiogrammaceae	Dimeregramma acutum
Ditylum brightwellii voucher KMWELL11E cytochrome	GQ844259	87.04	99.54	4.95916e–67	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii voucher MARBOT04 cytochrome o	GQ844258	87.04	99.54	4.95916e–67	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Uncultured zooplankton clone 22_121 cytochrome c o	KC732401	86.64	100	6.0415e–66			zooplankton environmental sample
Ditylum brightwellii voucher CCMP1810 cytochrome o	GQ844257	87.04	99.54	6.0415e–66	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii voucher DITMARTIN cytochrome	GQ844256	86.57	99.54	2.10869e–65	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Ditylum brightwellii mitochondrial coxl gene for cy	AB020223	86.57	99.54	2.10869e–65	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Uncultured zooplankton clone 22_123 cytochrome c o	KC732414	86.18	100	7.36005e–65			zooplankton environmental sample
Uncultured zooplankton clone 22_228 cytochrome c o	KC732413	86.18	100	7.36005e–65			zooplankton environmental sample
Uncultured zooplankton clone 22_74 cytochrome c ox	KC732406	86.18	100	7.36005e–65			zooplankton environmental sample
Ditylum brightwellii voucher CCMP358 cytochrome ox	GQ844254	86.57	99.54	7.36005e–65	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Lithodesmium variable strain 30 cytochrome oxidas	KJ671735	86.11	99.54	2.56891e–64	Lithodesmiales	Lithodesmiaceae	Lithodesmium variable
Skeletonema menzellii mitochondrial coxl gene for	AB706241	86.11	99.54	2.56891e–64	Thalassiosirales	Skeletonemataceae	Skeletonema menzellii
Skeletonema menzellii mitochondrial coxl gene for	AB706244	85.65	99.54	1.09233e–62	Thalassiosirales	Skeletonemataceae	Skeletonema menzellii
Skeletonema menzellii mitochondrial coxl gene for	AB706243	85.65	99.54	1.09233e–62	Thalassiosirales	Skeletonemataceae	Skeletonema menzellii
Skeletonema tropicum mitochondrial coxl gene for c	AB706250	85.19	99.54	1.33073e–61	Thalassiosirales	Skeletonemataceae	Skeletonema tropicum
Skeletonema pseudocostatum mitochondrial coxl gene	AB706245	85.19	99.54	1.33073e–61	Thalassiosirales	Skeletonemataceae	Skeletonema pseudocostatum
Skeletonema japonicum mitochondrial coxl gene for	AB706234	85.19	99.54	1.33073e–61	Thalassiosirales	Skeletonemataceae	Skeletonema japonicum
Plagiogramma sp. IAL–2014a voucher Van5.4 cytochro	KF768028	84.79	100	1.62116e–60	Triceratales	Plagiogrammaceae	Plagiogramma sp. IAL–2014a
Thalassiosira sp. A11 LG–2014 cytochrome oxidase s	KJ671754	84.72	99.54	5.6584e–60	Thalassiosirales	Thalassiosiraceae	Thalassiosira sp. A11 LG–2014
Skeletonema tropicum strain 20 cytochrome oxidase	KJ671745	84.72	99.54	5.6584e–60	Thalassiosirales	Skeletonemataceae	Skeletonema tropicum
Skeletonema tropicum mitochondrial coxl gene for c	AB948168	84.72	99.54	5.6584e–60	Thalassiosirales	Skeletonemataceae	Skeletonema tropicum
Skeletonema tropicum mitochondrial coxl gene for c	AB706251	84.72	99.54	5.6584e–60	Thalassiosirales	Skeletonemataceae	Skeletonema tropicum
Skeletonema japonicum mitochondrial coxl gene for	AB706235	84.72	99.54	5.6584e–60	Thalassiosirales	Skeletonemataceae	Skeletonema japonicum
Chaetoceros sp. MBTD–CMFRI–S062 cytochrome oxidase	KM202111	84.33	100	1.97498e–59	Chaetocerotales	Chaetocerotaceae	Chaetoceros sp. MBTD–CMFRI–S062
Chaetoceros sp. MBTD–CMFRI–S005 cytochrome oxidase	KM202108	84.33	100	1.97498e–59	Chaetocerotales	Chaetocerotaceae	Chaetoceros sp. MBTD–CMFRI–S005
Cyclotella cryptica voucher CCMP332 cytochrome oxi	GQ844251	84.91	97.7	1.97498e–59	Thalassiosirales	Stephanodiscaceae	Cyclotella cryptica
Skeletonema marinoi voucher 06.JK029.Smar.mt mitoc	KT874463	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Skeletonema marinoi strain 31 cytochrome oxidase s	KJ671744	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Skeletonema marinoi strain 22 cytochrome oxidase s	KJ671743	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Skeletonema marinoi strain 18 cytochrome oxidase s	KJ671742	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Uncultured zooplankton clone 10_114 cytochrome c o	KC732415	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	zooplankton environmental sample
Skeletonema potamos mitochondrial coxl gene for cy	AB706249	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema potamos
Skeletonema subsalum mitochondrial coxl gene for	AB706248	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema subsalum
Skeletonema menzellii mitochondrial coxl gene for	AB706242	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema menzellii
Skeletonema marinoi mitochondrial coxl gene for cy	AB706239	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706228	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706222	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706225	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706223	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706217	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema costatum mitochondrial coxl gene for c	AB020227	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema costatum
Skeletonema costatum mitochondrial coxl gene for c	AB020227	84.26	99.54	6.89335e–59	Thalassiosirales	Skeletonemataceae	Skeletonema costatum
Skeletonema marinoi strain 17 cytochrome oxidase s	KJ671741	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	Skeletonema marinoi
Skeletonema menzellii mitochondrial coxl gene for	AB948162	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	Skeletonema menzellii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB948152	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema costatum mitochondrial coxl gene for c	AB948151	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	Skeletonema costatum
Skeletonema grethae mitochondrial coxl gene for cy	AB706231	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	Skeletonema grethae
Skeletonema grethae mitochondrial coxl gene for cy	AB706230	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	Skeletonema grethae
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706227	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706224	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706221	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Skeletonema dohrnii mitochondrial coxl gene for cy	AB706220	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	Skeletonema dohrnii
Invertebrate environmental sample clone H05 cytoch	GU070936	83.8	99.54	2.93113e–57	Thalassiosirales	Skeletonemataceae	invertebrate environmental sample
Grammonema striatula voucher FSIIIA20106 cytochrom	GQ844261	83.8	99.54	2.93113e–57	Fragilariales	Fragiliariaceae	Grammonema striatula
Fragilaria striatula mitochondrial coxl gene for c	AB020224	83.8	99.54	2.93113e–57	Fragilariales	Fragiliariaceae	Fragilaria striatula
Asterionellopsis thurstonii voucher CCMP135 cytoch	KF453985	83.41	100	1.02306e–56	Fragilariales	Fragiliariaceae	Asterionellopsis thurstonii
Minutocellus polymorphus voucher CCMP499 cytochrom	GQ844268	83.41	100	1.02306e–56	Cymatosirales	Cymatosiraceae	Minutocellus polymorphus
Ditylum brightwellii voucher CCMP357 cytochrome ox	GQ844255	82.86	96.31	1.02306e–56	Lithodesmiales	Lithodesmiaceae	Ditylum brightwellii
Chaetoceros socialis voucher CCMP1579 cytochrome o	GQ844249	83.41	100	1.02306e–56	Chaetocerotales	Chaetocerotaceae	Chaetoceros socialis
Chaetoceros sp. 19 LG–2014 cytochrome oxidase subu	KJ671728	83.33	99.54	3.57084e–56	Chaetocerotales	Chaetocerotaceae	Chaetoceros sp. 19 LG–2014
Bacillaria paxillifer strain 6 cytochrome oxidase	KJ671724	83.33	99.54	3.57084e–56	Bacillariales	Bacillariaceae	Bacillaria paxillifer
Invertebrate environmental sample clone B05 cytoch	GU070933	83.33	99.54	3.57084e–56			invertebrate environmental sample
Thalassiosira pseudonana mitochondrion, complete g	DQ186202	83.33	99.54	3.57084e–56	Thalassiosirales	Thalassiosiraceae	Thalassiosira pseudonana
Cyclotella sp. MBTD–CMFRI–S084 cytochrome oxidase	KM202118	86.01	88.94	1.24635e–55	Thalassiosirales	Stephanodiscaceae	Cyclotella sp. MBTD–CMFRI–S084
Thalassionema nitzschioides mitochondrial coxl gen	AB020228	82.95	100	4.35018e–55	Thalassionemales	Thalassionemataceae	Thalassionema nitzschioides
Skeletonema ardens strain MBTD–CMFRI–S049 cytochro	KM202114	82.87	99.54	1.51836e–54	Thalassiosirales	Skeletonemataceae	Skeletonema ardens
Asterionellopsis guyunusae voucher UR8 cytochrome	KF453984	82.87	99.54	1.51836e–54	Fragilariales	Fragiliariaceae	Asterionellopsis guyunusae
Skeletonema ardens mitochondrial coxl gene for cyt	AB706216	82.87	99.54	1.51836e–54	Thalassiosirales	Skeletonemataceae	Skeletonema ardens
Skeletonema ardens mitochondrial coxl gene for cyt	AB706215	82.87	99.54	1.51836e–54	Thalassiosirales	Skeletonemataceae	Skeletonema ardens
Synedra sp. 26 LG–2014 cytochrome oxidase subunit	KJ671747	82.71	98.62	1.84974e–53	Thalassiosirales	Skeletonemataceae	Synedra sp. 26 LG–2014
Asterionellopsis maritima voucher HX5 cytochrome o	KF453982	82.41	99.54	1.84974e–53	Fragilariales	Fragiliariaceae	Asterionellopsis maritima
Entomoneis cf. alata voucher CCMP1522 cytochrome o	GQ844260	82.41	99.54	1.84974e–53		Entomoneidaceae	Entomoneis cf. alata
Perophora sagamiensis COI for cytochrome c oxidase	AB104869	82.41	99.54	1.84974e–53	Enterogona	Perophoridae	Perophora sagamiensis
Asterionellopsis lenisilicea voucher MB9 cytochrom	KF453981	82.03	100	2.25345e–52	Fragilariales	Fragiliariaceae	Asterionellopsis lenisilicea
Asterionellopsis lenisilicea voucher MB8 cytochrom	KF453980	82.03	100	2.25345e–52	Fragilariales	Fragiliariaceae	Asterionellopsis lenisilicea
Asterionellopsis glacialis voucher IK_MTA55 cytoch	GQ844246	82.41	99.54	2.25345e–52	Fragilariales	Fragiliariaceae	Asterionellopsis glacialis
Coscinodiscus sp. 35 LG–2014 cytochrome oxidase su	KJ671729	81.94	99.54	7.8653e–52	Coscinodiscuales	Coscinodiscaceae	Coscinodiscus sp. 35 LG–2014
Thalassiosira nordenskiöldii strain 21 cytochrome	KJ671750	82.08	97.7	2.74526e–51	Thalassiosirales	Thalassiosiraceae	Thalassiosira nordenskiöldii
Attheya longicornis voucher IK_MTA197 cytochrome o	GQ844247	82.08	97.7	2.74526e–51	Chaetocerotales	Attheyaceae	Attheya longicornis
Uncultured diatom cytochrome oxidase subunit I mit	AY116599	81.86	99.08	2.74526e–51			uncultured diatom
Skeletonema grevillei mitochondrial coxl gene for	AB706232	81.48	99.54	9.5819e–51	Thalassiosirales	Skeletonemataceae	Skeletonema grevillei
Thalassiosira nordenskiöldii voucher IK_MTA159 cy	GQ844275	81.4	99.08	3.34441e–50	Thalassiosirales	Thalassiosiraceae	Thalassiosira nordenskiöldii
Chaetoceros socialis voucher CCMP203 cytochrome ox	GQ844248	81.74	100	3.34441e–50	Chaetocerotales	Chaetocerotaceae	Chaetoceros socialis
Thalassiosira nordenskiöldii mitochondrial coxl g	AB038235	81.4	99.08	3.34441e–50	Thalassiosirales	Thalassiosiraceae	Thalassiosira nordenskiöldii
Thalassiosira nordenskiöldii mitochondrial coxl m	AB020229	81.4	99.08	3.34441e–50	Thalassiosirales	Thalassiosiraceae	Thalassiosira nordenskiöldii
Cyclotella sp. MBTD–CMFRI–S080 cytochrome oxidase	KM202117	81.6	97.7	1.16731e–49	Thalassiosirales	Stephanodiscaceae	Cyclotella sp. MBTD–CMFRI–S080
Cyclotella sp. MBTD–CMFRI–S079 cytochrome oxidase	KM202116	81.6	97.7	1.16731e–49	Thalassiosirales	Stephanodiscaceae	Cyclotella sp. MBTD–CMFRI–S079
Cyclotella sp. MBTD–CMFRI–S044 cytochrome oxidase	KM202113	81.6	97.7	1.16731e–49	Thalassiosirales	Stephanodiscaceae	Cyclotella sp. MBTD–CMFRI–S044
Frustulia maoriana mitochondrial partial COI gene	HF562264	81.6	97.7	1.16731e–49	Naviculales	Amphipleuraceae	Frustulia maoriana
Navicula sp. CCMP2562 cytochrome oxidase subunit 1	HQ317077	81.6	97.7	1.16731e–49	Naviculales	Naviculaceae	Navicula sp. BOLD:AAO6951
Phytophthora citrophthora mitochondrial COXI gene	AB688190	81.02	99.54	4.07433e–49	Peronosporales		Phytophthora citrophthora
Hymenoptera sp. BOLD:ACK6748 voucher BIOUG09096–B0	KM562472	80.65	100	1.42208e–48	Hymenoptera		Hymenoptera sp. BOLD:ACK6748
Sellaphora seminulum clone TCC461 cytochrome oxida	KC736653	80.65	100	1.42208e–48	Naviculales	Sellaphoraceae	Sellaphora seminulum
Rossia sp. CH2 mitochondrial coxl gene for cytochr	AB618070	80.65	100	1.42208e–48	Naviculales	Naviculaceae	Rossia sp. CH2
Sellaphora cf. minima voucher E3211 clone BM42 cyt	EF164929	80.65	100	1.42208e–48	Naviculales	Sellaphoraceae	Sellaphora cf. minima
Phytophthora occultans isolate 4953 cytochrome c o	KR028484	80.56	99.54	4.96355e–48	Peronosporales		Phytophthora occultans
Hyaloperonospora parasitica isolate O11 cytochrome	KJ654014	80.56	99.54	4.96355e–48	Peronosporales	Peronosporaceae	Hyaloperonospora parasitica