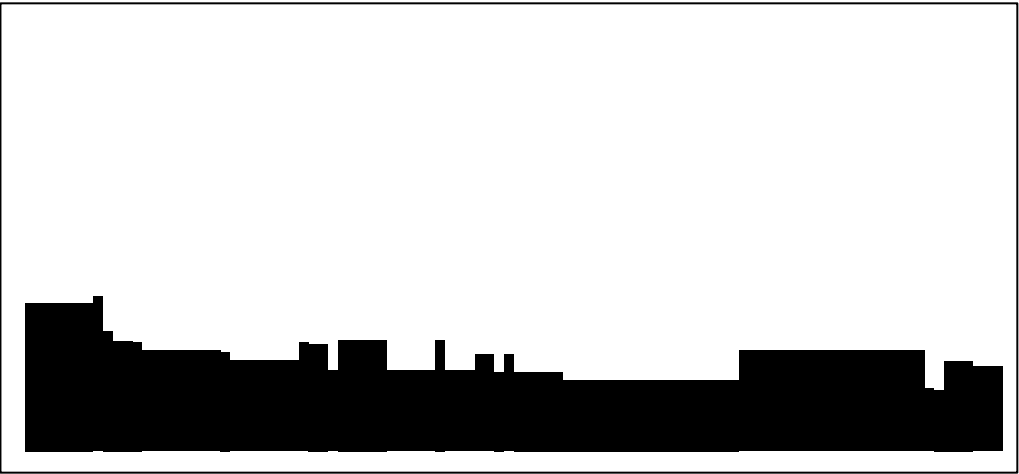


OTU_143;size=3632;.csv

Gomphonema parvulum
Gomphonemataceae

86.96



Gomphonema parvulum strain TCC466 cytochrome oxida	JQ354708	86.96	95.39	3.12957e-63		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC465 cytochrome oxida	JQ354707	86.96	95.39	3.12957e-63		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC464 cytochrome oxida	JQ354706	86.96	95.39	3.12957e-63		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC463 cytochrome oxida	JQ354705	86.96	95.39	3.12957e-63		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC433 cytochrome oxida	JQ354701	86.96	95.39	3.12957e-63		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC432 cytochrome oxida	JQ354700	86.96	95.39	3.12957e-63		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC430 cytochrome oxida	JQ354698	86.96	95.39	3.12957e-63		Gomphonemataceae	Gomphonema parvulum
Sellaphora pupula voucher RBGE_SEL846L cytochrome	HQ317108	87.25	94.01	3.12957e-63	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora lanceolata voucher E3635 clone BLA12 cy	EF164953	85.65	99.54	3.12957e-63	Naviculales	Sellaphoraceae	Sellaphora lanceolata
Gomphonema parvulum strain TCC610 cytochrome oxida	JQ354721	85.19	99.54	1.33073e-61		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC592 cytochrome oxida	JQ354719	85.19	99.54	1.33073e-61		Gomphonemataceae	Gomphonema parvulum
Entomoneis cf. alata voucher CCMP1522 cytochrome o	GQ844260	85.12	99.08	4.6447e-61		Entomoneidaceae	Entomoneis cf. alata
Gomphonema parvulum strain TCC734 cytochrome oxida	JQ354725	84.72	99.54	5.6584e-60		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC494 cytochrome oxida	JQ354716	84.72	99.54	5.6584e-60		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC492 cytochrome oxida	JQ354715	84.72	99.54	5.6584e-60		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC482 cytochrome oxida	JQ354714	84.72	99.54	5.6584e-60		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC428 cytochrome oxida	JQ354696	84.72	99.54	5.6584e-60		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC436 cytochrome oxida	JQ354703	84.72	99.54	5.6584e-60		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC434 cytochrome oxida	JQ354702	84.72	99.54	5.6584e-60		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC426 cytochrome oxida	JQ354695	84.72	99.54	5.6584e-60		Gomphonemataceae	Gomphonema parvulum
Sellaphora pupula voucher E3638 clone DUN7 cytochr	EF164936	84.65	99.08	1.97498e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA10 cytochrome oxidas	KC911836	84.26	99.54	6.89335e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel627K cytochrome oxidase	KC911835	84.26	99.54	6.89335e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel620K cytochrome oxidase	KC911834	84.26	99.54	6.89335e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA4 cytochrome oxidase	KC911833	84.26	99.54	6.89335e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BolinA2 cytochrome oxidase	KC911832	84.26	99.54	6.89335e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_SEL642K cytochrome	HQ317107	84.26	99.54	6.89335e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone BLA16 cytochrome c oxidase	EF164951	84.26	99.54	6.89335e-59	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu	JN418688	85.1	95.85	2.40601e-58	Naviculales	Pinnulariaceae	Pinnularia sp. 9 CS-2011
Sellaphora pupula clone mm120 cytochrome oxidase s	KC911839	85.02	95.39	8.39781e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_mm111 cytochrome ox	HQ317106	85.02	95.39	8.39781e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_B155 cytochrome oxi	HQ317095	83.8	99.54	8.39781e-58	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel618K cytochrome oxidase	KC911828	85.22	93.55	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel629K cytochrome oxidase	KC911824	85.22	93.55	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone KewA3 cytochrome oxidase s	KC911823	85.22	93.55	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel630K cytochrome oxidase	KC911822	85.22	93.55	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone Sel624K cytochrome oxidase	KC911821	85.22	93.55	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Gomphonema clevei strain TCC507 cytochrome oxidase	JQ354718	83.8	99.54	2.93113e-57	Naviculales	Gomphonemataceae	Gomphonema clevei
Gomphonema clevei strain TCC469 cytochrome oxidase	JQ354710	83.8	99.54	2.93113e-57		Gomphonemataceae	Gomphonema clevei
Pinnularia sp. 11 CS-2011 cytochrome c oxidase sub	JN418695	83.8	99.54	2.93113e-57	Naviculales	Pinnulariaceae	Pinnularia sp. 11 CS-2011
Sellaphora pupula voucher RBGE_O60 cytochrome oxid	HQ317103	83.8	99.54	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_O37 cytochrome oxid	HQ317099	83.8	99.54	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_Kew21 cytochrome ox	HQ317094	85.22	93.55	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora obesa voucher RBGE_SEL601As cytochrome	HQ317090	83.8	99.54	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora obesa
Sellaphora pupula voucher E3634 clone BLA14 cytoch	EF164944	83.8	99.54	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3642 clone THR10 cytoch	EF164952	83.8	99.54	2.93113e-57	Naviculales	Sellaphoraceae	Sellaphora pupula
Gomphonema parvulum strain TCC612 cytochrome oxida	JQ354722	84.54	95.39	1.02306e-56		Gomphonemataceae	Gomphonema parvulum
Gomphonema parvulum strain TCC593 cytochrome oxida	JQ354720	84.54	95.39	1.02306e-56		Gomphonemataceae	Gomphonema parvulum
Sellaphora pupula voucher RBGE_32_83 cytochrome ox	HQ317104	83.72	99.08	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_BB94 cytochrome oxi	HQ317096	84.54	95.39	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora bacillum cytochrome oxidase subunit I (FJ042925	83.72	99.08	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3727 cytochrome oxida	FJ042924	83.72	99.08	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora bacillum voucher E3640 clone BLA4 cytot	EF164941	83.72	99.08	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora pupula voucher E3415 clone THR11 cytoch	EF164945	83.72	99.08	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora bacillum voucher E3149 clone ST-MAR1 cy	EF164930	83.72	99.08	1.02306e-56	Naviculales	Sellaphoraceae	Sellaphora bacillum
Sellaphora pupula clone LE D35 cytochrome oxidase	KC911838	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula clone LE J9 cytochrome oxidase s	KC911837	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu	JN418683	83.33	99.54	3.57084e-56	Naviculales	Pinnulariaceae	Pinnularia sp. 5 CS-2011
Pinnularia viridiformis strain (Enc2)a cytochrome	JN418679	83.33	99.54	3.57084e-56	Naviculales	Pinnulariaceae	Pinnularia viridiformis
Sellaphora pupula voucher RBGE_SEL212D cytochrome	HQ317092	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_28_28 cytochrome ox	HQ317105	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher RBGE_O68 cytochrome oxid	HQ317102	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora sp. KME-2009a voucher E3778 cytochrome	GQ374576	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4329 cytochrome	GQ374573	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora sp. KME-2009a voucher E4362 cytochrome	GQ374574	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora sp. KME-2009a
Sellaphora pupula voucher E3730 cytochrome oxidase	FJ042923	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4215 cytochrome oxidase	FJ147204	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E4350 cytochrome oxidase	FJ151420	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3024 clone RBG1 cytochr	EF164957	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3325 clone GER1 cytochr	EF164955	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3628 clone THR8 cytochr	EF164950	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3365 clone THR7 cytochr	EF164937	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora pupula voucher E3020 clone RBG2 cytochr	EF164928	83.33	99.54	3.57084e-56	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora capitata strain W2_210 cytochrome c oxi	KT288177	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain W3_211 cytochrome c oxi	KT288171	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain FIN_240 cytochrome c ox	KT288158	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata voucher E4364 cytochrome oxida	FJ042922	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata voucher E4363 cytochrome oxida	FJ042921	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate DUN9 cytochrome oxidas	FJ042902	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER10 cytochrome oxida	FJ042919	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER23 cytochrome oxida	FJ042918	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER33 cytochrome oxida	FJ042917	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL11 cytochrome oxida	FJ042916	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL7 cytochrome oxidas	FJ042915	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MAL1 cytochrome oxidas	FJ042914	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER25 cytochrome oxida	FJ042913	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER16 cytochrome oxida	FJ042912	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate FIN10 cytochrome oxida	FJ042911	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate PUR9 cytochrome oxidas	FJ042910	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate LEV1 cytochrome oxidas	FJ042904	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata isolate MER27 cytochrome oxida	FJ042903	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata voucher E3608 clone BLA18 cyto	EF164947	84.73	93.55	1.24635e-55	Naviculales	Sellaphoraceae	Sellaphora capitata
Pinnularia neomajor strain Corsea 2 cytochrome c o	JN418687	82.95	100	4.35018e-55	Naviculales	Pinnulariaceae	Pinnularia neomajor
Sellaphora pupula mitochondrial cox1 gene for cyto	AB971667	82.87	99.54	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora pupula
Sellaphora capitata strain W1m_1A10 cytochrome c o	KT288173	84.24	93.55	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain DES_77 cytochrome c oxi	KT288169	84.24	93.55	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora capitata strain KIL2m_4A1 cytochrome c	KT288163	84.24	93.55	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora capitata
Sellaphora auldreekie clone Sel7751INV cytochrome o	KC911820	83.98	94.93	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora auldreekie clone Sel781INV cytochrome o	KC911819	83.98	94.93	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora auldreekie
Sellaphora auldreekie clone Sel7761INV cytochrome o	KC911818	83.98	94.93	1.51836e-54	Naviculales	Sellaphoraceae	Sellaphora auldreekie