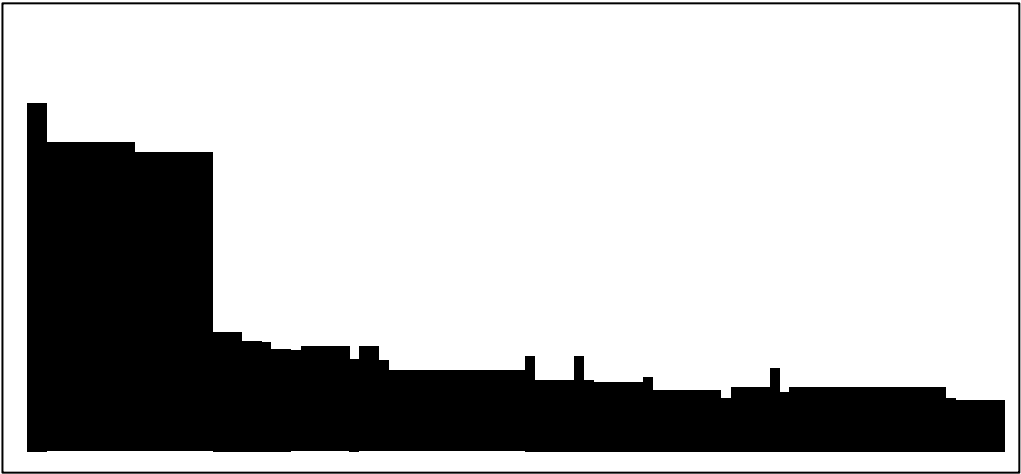


OTU_121;size=5718;.csv

Gomphonema parvulum

Gomphonemataceae

96.31



| | | | | | | | |
|--|----------|-------|-------|-------------|-------------|-------------------|--------------------------------------|
| Gomphonema parvulum strain TCC612 cytochrome oxida | JQ354722 | 96.31 | 100 | 1.02126e-94 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC593 cytochrome oxida | JQ354720 | 96.31 | 100 | 1.02126e-94 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC610 cytochrome oxida | JQ354721 | 94.47 | 100 | 2.74042e-89 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC592 cytochrome oxida | JQ354719 | 94.47 | 100 | 2.74042e-89 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC466 cytochrome oxida | JQ354708 | 94.47 | 100 | 2.74042e-89 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC465 cytochrome oxida | JQ354707 | 94.47 | 100 | 2.74042e-89 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC464 cytochrome oxida | JQ354706 | 94.47 | 100 | 2.74042e-89 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC463 cytochrome oxida | JQ354705 | 94.47 | 100 | 2.74042e-89 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC433 cytochrome oxida | JQ354701 | 94.47 | 100 | 2.74042e-89 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC432 cytochrome oxida | JQ354700 | 94.47 | 100 | 2.74042e-89 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC430 cytochrome oxida | JQ354698 | 94.47 | 100 | 2.74042e-89 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC734 cytochrome oxida | JQ354725 | 94.01 | 100 | 1.16525e-87 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC494 cytochrome oxida | JQ354716 | 94.01 | 100 | 1.16525e-87 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC492 cytochrome oxida | JQ354715 | 94.01 | 100 | 1.16525e-87 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC482 cytochrome oxida | JQ354714 | 94.01 | 100 | 1.16525e-87 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC428 cytochrome oxida | JQ354696 | 94.01 | 100 | 1.16525e-87 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC436 cytochrome oxida | JQ354703 | 94.01 | 100 | 1.16525e-87 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC434 cytochrome oxida | JQ354702 | 94.01 | 100 | 1.16525e-87 | | Gomphonemataceae | Gomphonema parvulum |
| Gomphonema parvulum strain TCC426 cytochrome oxida | JQ354695 | 94.01 | 100 | 1.16525e-87 | | Gomphonemataceae | Gomphonema parvulum |
| Sellaphora pupula clone LE D35 cytochrome oxidase | KC911838 | 85.58 | 99.08 | 3.8126e-62 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone LE J9 cytochrome oxidase s | KC911837 | 85.58 | 99.08 | 3.8126e-62 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula voucher RBGE_28_28 cytochrome ox | HQ317105 | 85.58 | 99.08 | 3.8126e-62 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula voucher RBGE_O60 cytochrome oxid | HQ317103 | 85.19 | 99.54 | 1.33073e-61 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula voucher E3020 clone RBG2 cytochr | EF164928 | 85.19 | 99.54 | 1.33073e-61 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula voucher E3638 clone DUN7 cytochr | EF164936 | 85.12 | 99.08 | 4.6447e-61 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Pinnularia subcapitata var. elongata strain (Wie)c | JN418682 | 84.79 | 100 | 1.62116e-60 | Naviculales | Pinnulariaceae | Pinnularia subcapitata var. elongata |
| Sellaphora cf. seminulum voucher E3168 clone TM37 | EF164956 | 84.79 | 100 | 1.62116e-60 | Naviculales | Sellaphoraceae | Sellaphora cf. seminulum |
| Pinnularia sp. 12 CS-2011 cytochrome c oxidase sub | JN418702 | 84.72 | 99.54 | 5.6584e-60 | Naviculales | Pinnulariaceae | Pinnularia sp. 12 CS-2011 |
| Sellaphora pupula clone Sel618K cytochrome oxidase | KC911828 | 84.91 | 97.7 | 1.97498e-59 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone Sel629K cytochrome oxidase | KC911824 | 84.91 | 97.7 | 1.97498e-59 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone KewA3 cytochrome oxidase s | KC911823 | 84.91 | 97.7 | 1.97498e-59 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone Sel630K cytochrome oxidase | KC911822 | 84.91 | 97.7 | 1.97498e-59 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone Sel624K cytochrome oxidase | KC911821 | 84.91 | 97.7 | 1.97498e-59 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora seminulum clone TCC461 cytochrome oxida | KC736653 | 84.33 | 100 | 1.97498e-59 | Naviculales | Sellaphoraceae | Sellaphora seminulum |
| Pinnularia sp. 9 CS-2011 cytochrome c oxidase subu | JN418688 | 84.91 | 97.7 | 1.97498e-59 | Naviculales | Pinnulariaceae | Pinnularia sp. 9 CS-2011 |
| Sellaphora pupula voucher RBGE_Kew21 cytochrome ox | HQ317094 | 84.91 | 97.7 | 1.97498e-59 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Mayamaea atomus var. perinitis strain (Wes2)f cytoc | JN418700 | 84.26 | 99.54 | 6.89335e-59 | Naviculales | Naviculaceae | Mayamaea perinitis |
| Sellaphora pupula voucher RBGE_B155 cytochrome oxi | HQ317095 | 83.8 | 99.54 | 8.39781e-58 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone BolinA10 cytochrome oxidas | KC911836 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone Sel627K cytochrome oxidase | KC911835 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone Sel620K cytochrome oxidase | KC911834 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone BolinA4 cytochrome oxidase | KC911833 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone BolinA2 cytochrome oxidase | KC911832 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Pinnularia acrosphaeria clone TCC472 cytochrome ox | KC736652 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Pinnulariaceae | Pinnularia acrosphaeria |
| Pinnularia sp. 8 CS-2011 cytochrome c oxidase subu | JN418685 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Pinnulariaceae | Pinnularia sp. 8 CS-2011 |
| Pinnularia viridiformis strain (Enc2)a cytochrome | JN418679 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Pinnulariaceae | Pinnularia viridiformis |
| Sellaphora pupula voucher RBGE_SEL642K cytochrome | HQ317107 | 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 E3642 clone THR10 cytoch | EF164952 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula clone BLA16 cytochrome c oxidase | EF164951 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora laevisissima voucher E3651 clone THR4 cyt | EF164943 | 83.8 | 99.54 | 2.93113e-57 | Naviculales | Sellaphoraceae | Sellaphora laevisissima |
| Pleurosigma strigosum strain X cytochrome oxidase | KJ671738 | 84.47 | 94.93 | 3.57084e-56 | Naviculales | Pleurosigmataceae | Pleurosigma strigosum |
| Pinnularia parvulissima strain Pin 877 TM cytochro | JN418693 | 83.33 | 99.54 | 3.57084e-56 | Naviculales | Pinnulariaceae | Pinnularia parvulissima |
| Pinnularia viridiformis strain Pin 870 MG cytochro | JN418691 | 83.33 | 99.54 | 3.57084e-56 | Naviculales | Pinnulariaceae | Pinnularia viridiformis |
| Pinnularia sp. 5 CS-2011 cytochrome c oxidase subu | JN418683 | 83.33 | 99.54 | 3.57084e-56 | Naviculales | Pinnulariaceae | Pinnularia sp. 5 CS-2011 |
| Sellaphora pupula voucher RBGE_BB94 cytochrome oxi | HQ317096 | 83.33 | 99.54 | 3.57084e-56 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora obesa voucher RBGE_SEL601As cytochrome | HQ317090 | 84.47 | 94.93 | 3.57084e-56 | Naviculales | Sellaphoraceae | Sellaphora obesa |
| Sellaphora pupula voucher E3325 clone GER1 cytochr | EF164955 | 83.33 | 99.54 | 3.57084e-56 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora auldreekie clone Sel775INV cytochrome o | KC911820 | 83.26 | 99.08 | 1.24635e-55 | Naviculales | Sellaphoraceae | Sellaphora auldreekie |
| Sellaphora auldreekie clone Sel781INV cytochrome o | KC911819 | 83.26 | 99.08 | 1.24635e-55 | Naviculales | Sellaphoraceae | Sellaphora auldreekie |
| Sellaphora auldreekie clone Sel776INV cytochrome o | KC911818 | 83.26 | 99.08 | 1.24635e-55 | Naviculales | Sellaphoraceae | Sellaphora auldreekie |
| Sellaphora pupula voucher E3415 clone THR11 cytoch | EF164945 | 83.26 | 99.08 | 1.24635e-55 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora auldreekie voucher E3652 clone BLA2 cyt | EF164932 | 83.26 | 99.08 | 1.24635e-55 | Naviculales | Sellaphoraceae | Sellaphora auldreekie |
| Pinnularia sp. 3 CS-2011 cytochrome c oxidase subu | JN418681 | 83.49 | 97.7 | 4.35018e-55 | Naviculales | Pinnulariaceae | Pinnularia sp. 3 CS-2011 |
| Sellaphora pupula clone mm120 cytochrome oxidase s | KC911839 | 82.87 | 99.54 | 1.51836e-54 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Mayamaea perinitis clone TCC540 cytochrome oxidase | KC736646 | 82.87 | 99.54 | 1.51836e-54 | Naviculales | Naviculaceae | Mayamaea perinitis |
| Pinnularia neglectiformis strain Pin 706 F cytochr | JN418696 | 82.87 | 99.54 | 1.51836e-54 | Naviculales | Pinnulariaceae | Pinnularia neglectiformis |
| Pinnularia sp. 2 CS-2011 cytochrome c oxidase subu | JN418680 | 82.87 | 99.54 | 1.51836e-54 | Naviculales | Pinnulariaceae | Pinnularia sp. 2 CS-2011 |
| Sellaphora pupula voucher RBGE_mm111 cytochrome ox | HQ317106 | 82.87 | 99.54 | 1.51836e-54 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula voucher E3634 clone BLA14 cytoch | EF164944 | 82.87 | 99.54 | 1.51836e-54 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Pinnularia cf. gibba voucher E3603 clone 12 cytoch | EF164938 | 82.87 | 99.54 | 1.51836e-54 | Naviculales | Pinnulariaceae | Pinnularia cf. gibba |
| Fistulifera solaris mitochondrion, complete genome | KT363689 | 82.49 | 100 | 5.2996e-54 | Naviculales | Naviculaceae | Fistulifera solaris |
| Sellaphora capitata strain W2_210 cytochrome c oxi | KT288177 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata strain W3_211 cytochrome c oxi | KT288171 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata strain DES_2 cytochrome c oxid | KT288167 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata strain FIN_240 cytochrome c ox | KT288158 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora pupula voucher RBGE_SEL846L cytochrome | HQ317108 | 83.9 | 94.47 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora pupula voucher RBGE_32_83 cytochrome ox | HQ317104 | 82.79 | 99.08 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora capitata voucher E4364 cytochrome oxida | FJ042922 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata voucher E4363 cytochrome oxida | FJ042921 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate DUN9 cytochrome oxidas | FJ042902 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate MER10 cytochrome oxida | FJ042919 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate MER23 cytochrome oxida | FJ042918 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate MER33 cytochrome oxida | FJ042917 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate MAL11 cytochrome oxida | FJ042916 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate MAL7 cytochrome oxidas | FJ042915 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate MAL1 cytochrome oxidas | FJ042914 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate MER25 cytochrome oxida | FJ042913 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate MER16 cytochrome oxida | FJ042912 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate DUN10 cytochrome oxida | FJ042911 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate PUR9 cytochrome oxidas | FJ042910 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate LEV1 cytochrome oxidas | FJ042904 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata isolate MER27 cytochrome oxida | FJ042903 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora capitata voucher E3608 clone BLA18 cyto | EF164947 | 83.02 | 97.7 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora capitata |
| Sellaphora cf. minima voucher E3211 clone BM42 cyt | EF164929 | 82.49 | 100 | 5.2996e-54 | Naviculales | Sellaphoraceae | Sellaphora cf. minima |
| Pinnularia acrosphaeria strain (Enc2)b cytochrome | JN418701 | 82.41 | 99.54 | 1.84974e-53 | Naviculales | Pinnulariaceae | Pinnularia acrosphaeria |
| Sellaphora blackfordensis strain (Bfp5x8)F1-3 cyto | JN418699 | 82.41 | 99.54 | 1.84974e-53 | Naviculales | Sellaphoraceae | Sellaphora blackfordensis |
| Pinnularia sp. 11 CS-2011 cytochrome c oxidase sub | JN418695 | 82.41 | 99.54 | 1.84974e-53 | Naviculales | Pinnulariaceae | Pinnularia sp. 11 CS-2011 |
| Sellaphora pupula voucher RBGE_O68 cytochrome oxid | HQ317102 | 82.41 | 99.54 | 1.84974e-53 | Naviculales | Sellaphoraceae | Sellaphora pupula |
| Sellaphora sp. KME-2009a voucher E3778 cytochrome | GQ374576 | 82.41 | 99.54 | 1.84974e-53 | Naviculales | Sellaphoraceae | Sellaphora sp. KME-2009a |