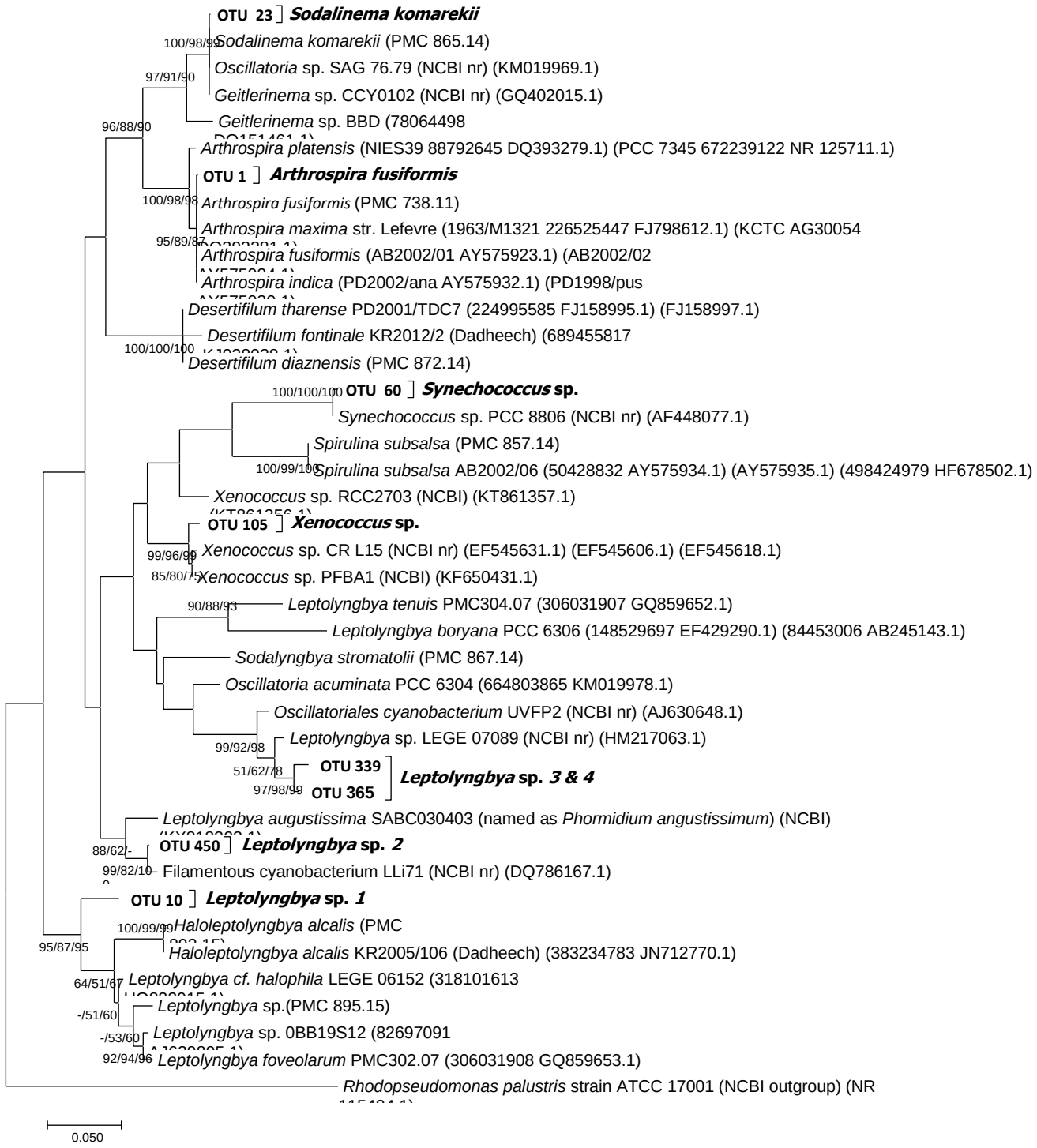
Fig. S1


OTU 23
Sodalinema komarekii
100/98/99
Sodalinema komarekii (PMC 865.14)
Oscillatoria sp. SAG 76.79 (NCBI nr) (KM019969.1)
97/91/90
Geitlerinema sp. CCY0102 (NCBI nr) (GQ402015.1)
Geitlerinema sp. BBD (78064498
96/88/90
Arthrospira platensis (NIES39 88792645 DQ393279.1) (PCC 7345 672239122 NR 125711.1)
OTU 1
Arthrospira fusiformis
100/98/98
Arthrospira fusiformis (PMC 738.11)
Arthrospira maxima str. Lefevre (1963/M1321 226525447 FJ798612.1) (KCTC AG30054
95/89/87
Arthrospira fusiformis (AB2002/01 AY575923.1) (AB2002/02
Arthrospira indica (PD2002/ana AY575932.1) (PD1998/pus
Desertifilum tharense PD2001/TDC7 (224995585 FJ158995.1) (FJ158997.1)
Desertifilum fontinale KR2012/2 (Dadheech) (689455817
100/100/100
Desertifilum diaznensis (PMC 872.14)
100/100/100
OTU 60
Synechococcus sp.
Synechococcus sp. PCC 8806 (NCBI nr) (AF448077.1)
Spirulina subsalsa (PMC 857.14)
100/99/100
Spirulina subsalsa AB2002/06 (50428832 AY575934.1) (AY575935.1) (498424979 HF678502.1)
Xenococcus sp. RCC2703 (NCBI) (KT861357.1)
OTU 105
Xenococcus sp.
99/96/99
Xenococcus sp. CR L15 (NCBI nr) (EF545631.1) (EF545606.1) (EF545618.1)
85/80/75
Xenococcus sp. PFBA1 (NCBI) (KF650431.1)
90/88/93
Leptolyngbya tenuis PMC304.07 (306031907 GQ859652.1)
Leptolyngbya boryana PCC 6306 (148529697 EF429290.1) (84453006 AB245143.1)
Sodalyngbya stromatolii (PMC 867.14)
Oscillatoria acuminata PCC 6304 (664803865 KM019978.1)
Oscillatoriales cyanobacterium UVFP2 (NCBI nr) (AJ630648.1)
Leptolyngbya sp. LEGE 07089 (NCBI nr) (HM217063.1)
99/92/98
51/62/78
OTU 339
97/98/99
OTU 365
Leptolyngbya sp. 3 & 4
Leptolyngbya augustissima SABC030403 (named as Phormidium angustissimum) (NCBI)
88/62/-
OTU 450
Leptolyngbya sp. 2
99/82/10
Filamentous cyanobacterium LLi71 (NCBI nr) (DQ786167.1)
OTU 10
Leptolyngbya sp. 1
100/99/99
Haloleptolyngbya alcalis (PMC
95/87/95
Haloleptolyngbya alcalis KR2005/106 (Dadheech) (383234783 JN712770.1)
64/51/67
Leptolyngbya cf. halophila LEGE 06152 (318101613
-/51/60
Leptolyngbya sp.(PMC 895.15)
-/53/60
Leptolyngbya sp. 0BB19S12 (82697091
92/94/96
Leptolyngbya foveolarum PMC302.07 (306031908 GQ859653.1)
Rhodopseudomonas palustris strain ATCC 17001 (NCBI outgroup) (NR
0.050