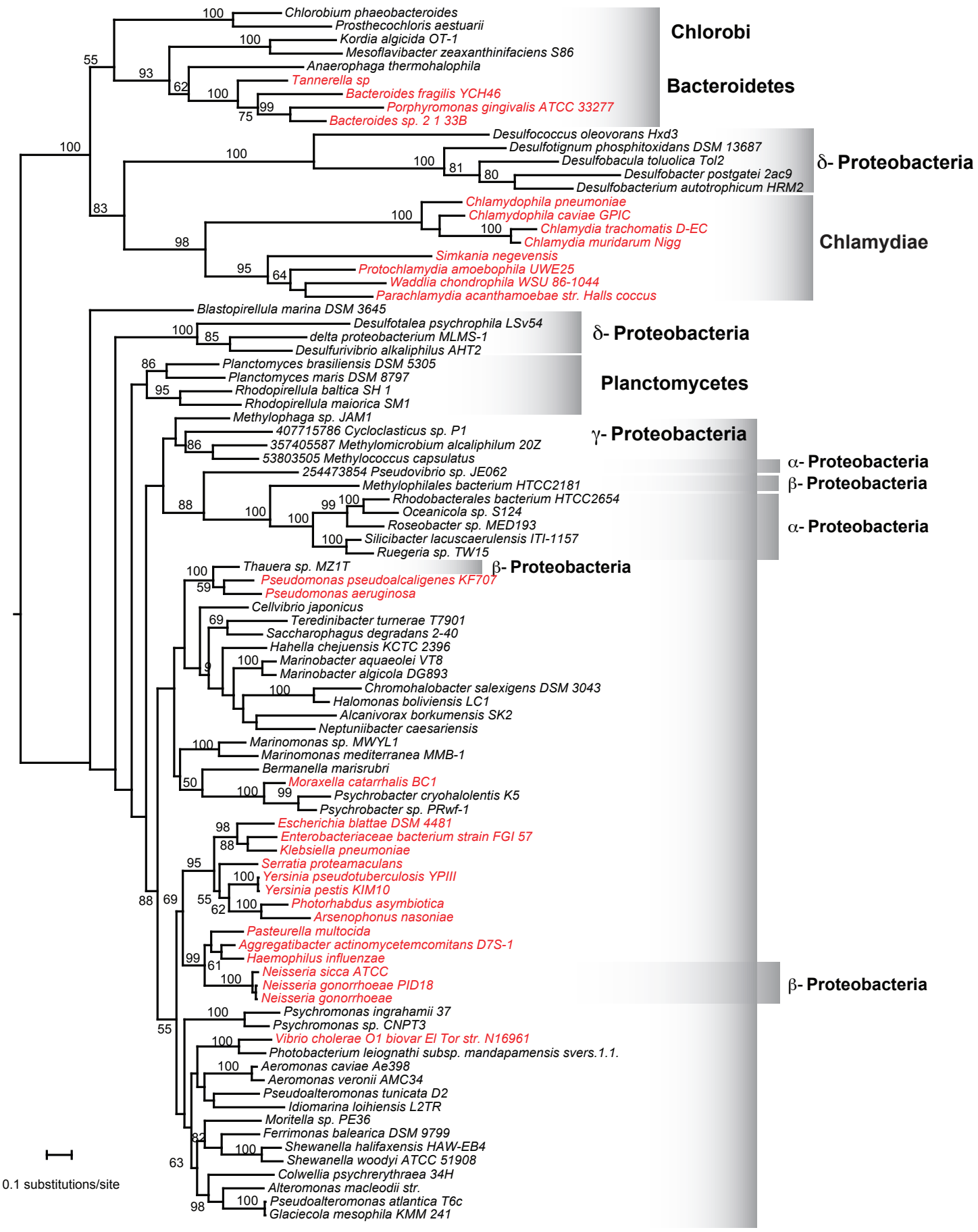
Figure S8


Chlorobium phaeobacteroides
Prosthecochloris aestuarii
Kordia algicida OT-1
Mesoflavibacter zeaxanthinifaciens S86
Anaerophaga thermohalophila
Tannerella sp
Bacteroides fragilis YCH46
Porphyromonas gingivalis ATCC 33277
Bacteroides sp. 2 1 33B
Chlorobi
Bacteroidetes
Desulfococcus oleovorans Hxd3
Desulfotignum phosphitoxidans DSM 13687
Desulfobacula toluolica Tol2
Desulfobacter postgatei 2ac9
Desulfobacterium autotrophicum HRM2
δ- Proteobacteria
Chlamydophila pneumoniae
Chlamydophila caviae GPIC
Chlamydia trachomatis D-EC
Chlamydia muridarum Nigg
Simkania negevensis
Protochlamydia amoebophila UWE25
Waddlia chondrophila WSU 86-1044
Parachlamydia acanthamoebae str. Halls coccus
Chlamydiae
Blastopirellula marina DSM 3645
Desulfotalea psychrophila LSv54
delta proteobacterium MLMS-1
Desulfurivibrio alkaliphilus AHT2
δ- Proteobacteria
Planctomyces brasiliensis DSM 5305
Planctomyces maris DSM 8797
Rhodopirellula baltica SH 1
Rhodopirellula maiorica SM1
Planctomycetes
Methylophaga sp. JAM1
407715786 Cycloclasticus sp. P1
357405587 Methylomicrobium alcaliphilum 20Z
53803505 Methylococcus capsulatus
γ- Proteobacteria
254473854 Pseudovibrio sp. JE062
α- Proteobacteria
Methylophilales bacterium HTCC2181
β- Proteobacteria
Rhodobacterales bacterium HTCC2654
Oceanicola sp. S124
Roseobacter sp. MED193
Silicibacter lacuscaerulensis ITI-1157
Ruegeria sp. TW15
α- Proteobacteria
Thauera sp. MZ1T
β- Proteobacteria
Pseudomonas pseudoalcaligenes KF707
Pseudomonas aeruginosa
Cellvibrio japonicus
Teredinibacter turnerae T7901
Saccharophagus degradans 2-40
Hahella chejuensis KCTC 2396
Marinobacter aquaeolei VT8
Marinobacter algicola DG893
Chromohalobacter salexigens DSM 3043
Halomonas boliviensis LC1
Alcanivorax borkumensis SK2
Neptuniibacter caesariensis
Marinomonas sp. MWYL1
Marinomonas mediterranea MMB-1
Bermanella marisrubri
Moraxella catarrhalis BC1
Psychrobacter cryohalolentis K5
Psychrobacter sp. PRwf-1
Escherichia blattae DSM 4481
Enterobacteriaceae bacterium strain FGI 57
Klebsiella pneumoniae
Serratia proteamaculans
Yersinia pseudotuberculosis YPIII
Yersinia pestis KIM10
Photorhabdus asymbiotica
Arsenophonus nasoniae
Pasteurella multocida
Aggregatibacter actinomycetemcomitans D7S-1
Haemophilus influenzae
Neisseria sicca ATCC
Neisseria gonorrhoeae PID18
Neisseria gonorrhoeae
β- Proteobacteria
Psychromonas ingrahamii 37
Psychromonas sp. CNPT3
Vibrio cholerae O1 biovar El Tor str. N16961
Photobacterium leiognathi subsp. mandapamensis svers.1.1.
Aeromonas caviae Ae398
Aeromonas veronii AMC34
Pseudoalteromonas tunicata D2
Idiomarina loihiensis L2TR
Moritella sp. PE36
Ferrimonas balearica DSM 9799
Shewanella halifaxensis HAW-EB4
Shewanella woodyi ATCC 51908
Colwellia psychrerythraea 34H
Alteromonas macleodii str.
Pseudoalteromonas atlantica T6c
Glaciecola mesophila KMM 241
0.1 substitutions/site