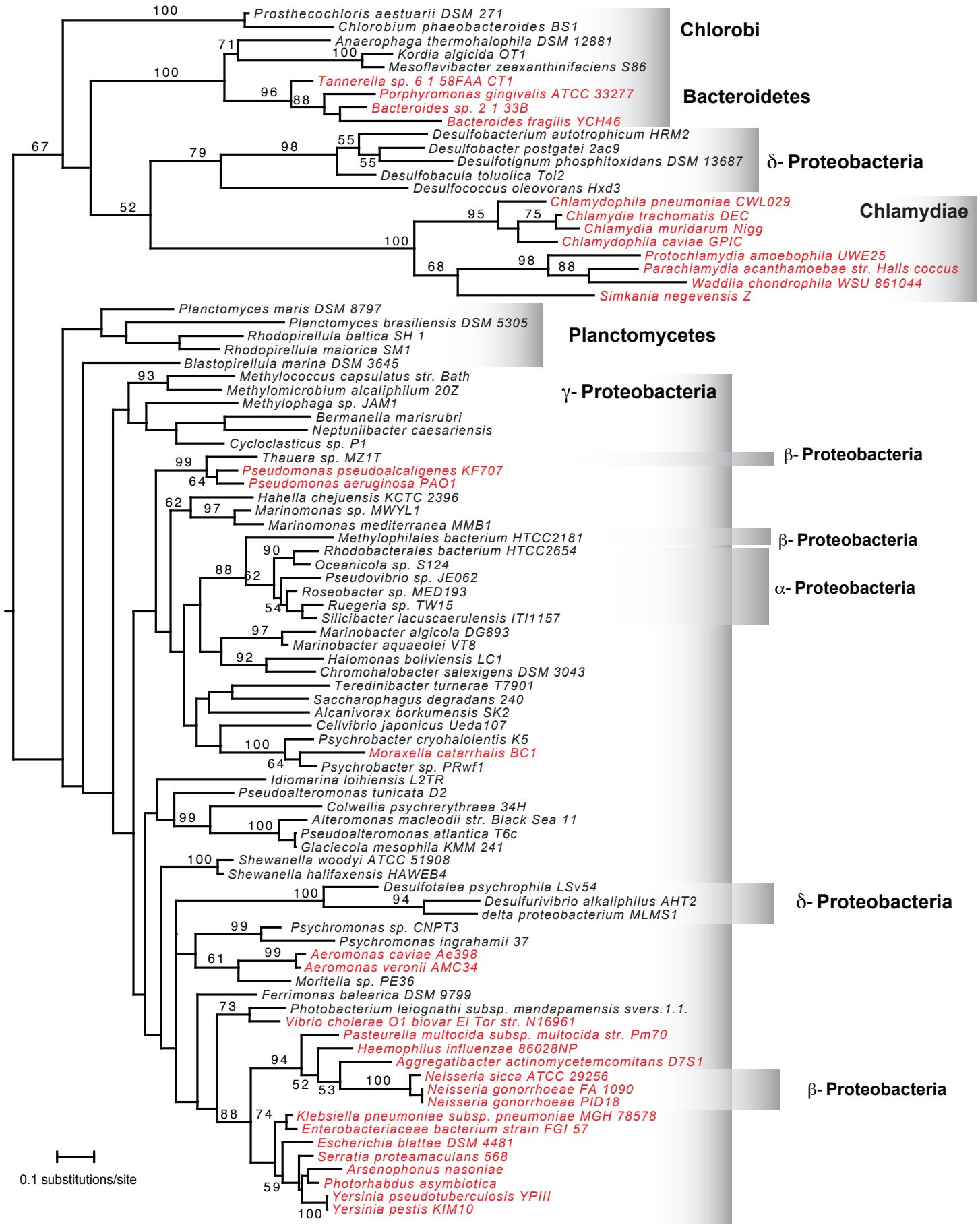
Figure S6


Prosthecochloris aestuarii DSM 271
Chlorobium phaeobacteroides BS1
Chlorobi
Anaerophaga thermohalophila DSM 12881
Kordia algicida OT1
Mesoflavibacter zeaxanthinifaciens S86
Tannerella sp. 6 1 58FAA CT1
Porphyromonas gingivalis ATCC 33277
Bacteroides sp. 2 1 33B
Bacteroides fragilis YCH46
Bacteroidetes
Desulfobacterium autotrophicum HRM2
Desulfobacter postgatei 2ac9
Desulfotignum phosphitoxidans DSM 13687
Desulfobacula toluolica Tol2
Desulfococcus oleovorans Hxd3
δ- Proteobacteria
Chlamydophila pneumoniae CWL029
Chlamydia trachomatis DEC
Chlamydia muridarum Nigg
Chlamydophila caviae GPIC
Protochlamydia amoebophila UWE25
Parachlamydia acanthamoebae str. Halls coccus
Waddlia chondrophila WSU 861044
Simkania negevensis Z
Chlamydiae
Planctomyces maris DSM 8797
Planctomyces brasiliensis DSM 5305
Rhodopirellula baltica SH 1
Rhodopirellula maiorica SM1
Blastopirellula marina DSM 3645
Planctomycetes
Methylococcus capsulatus str. Bath
Methylomicrobium alcaliphilum 20Z
Methylophaga sp. JAM1
Bermanella marisrubri
Neptuniibacter caesariensis
Cycloclasticus sp. P1
γ- Proteobacteria
Thauera sp. MZ1T
Pseudomonas pseudoalcaligenes KF707
Pseudomonas aeruginosa PAO1
β- Proteobacteria
Hahella chejuensis KCTC 2396
Marinomonas sp. MWYL1
Marinomonas mediterranea MMB1
Methylophilales bacterium HTCC2181
β- Proteobacteria
Rhodobacterales bacterium HTCC2654
Oceanicola sp. S124
Pseudovibrio sp. JE062
Roseobacter sp. MED193
Ruegeria sp. TW15
Silicibacter lacuscaerulensis ITI1157
α- Proteobacteria
Marinobacter algicola DG893
Marinobacter aquaeolei VT8
Halomonas boliviensis LC1
Chromohalobacter salexigens DSM 3043
Teredinibacter turnerae T7901
Saccharophagus degradans 240
Alcanivorax borkumensis SK2
Cellvibrio japonicus Ueda107
Psychrobacter cryohalolentis K5
Moraxella catarrhalis BC1
Psychrobacter sp. PRwf1
Idiomarina loihiensis L2TR
Pseudoalteromonas tunicata D2
Colwellia psychrerythraea 34H
Alteromonas macleodii str. Black Sea 11
Pseudoalteromonas atlantica T6c
Glaciecola mesophila KMM 241
Shewanella woodyi ATCC 51908
Shewanella halifaxensis HAWEB4
Desulfotalea psychrophila LSv54
Desulfurivibrio alkaliphilus AHT2
delta proteobacterium MLMS1
δ- Proteobacteria
Psychromonas sp. CNPT3
Psychromonas ingrahamii 37
Aeromonas caviae Ae398
Aeromonas veronii AMC34
Moritella sp. PE36
Ferrimonas balearica DSM 9799
Photobacterium leiognathi subsp. mandapamensis svers.1.1.
Vibrio cholerae O1 biovar El Tor str. N16961
Pasteurella multocida subsp. multocida str. Pm70
Haemophilus influenzae 86028NP
Aggregatibacter actinomycetemcomitans D7S1
Neisseria sicca ATCC 29256
Neisseria gonorrhoeae FA 1090
Neisseria gonorrhoeae PID18
β- Proteobacteria
Klebsiella pneumoniae subsp. pneumoniae MGH 78578
Enterobacteriaceae bacterium strain FGI 57
Escherichia blattae DSM 4481
Serratia proteamaculans 568
Arsenophonus nasoniae
Photorhabdus asymbiotica
Yersinia pseudotuberculosis YPIII
Yersinia pestis KIM10
0.1 substitutions/site