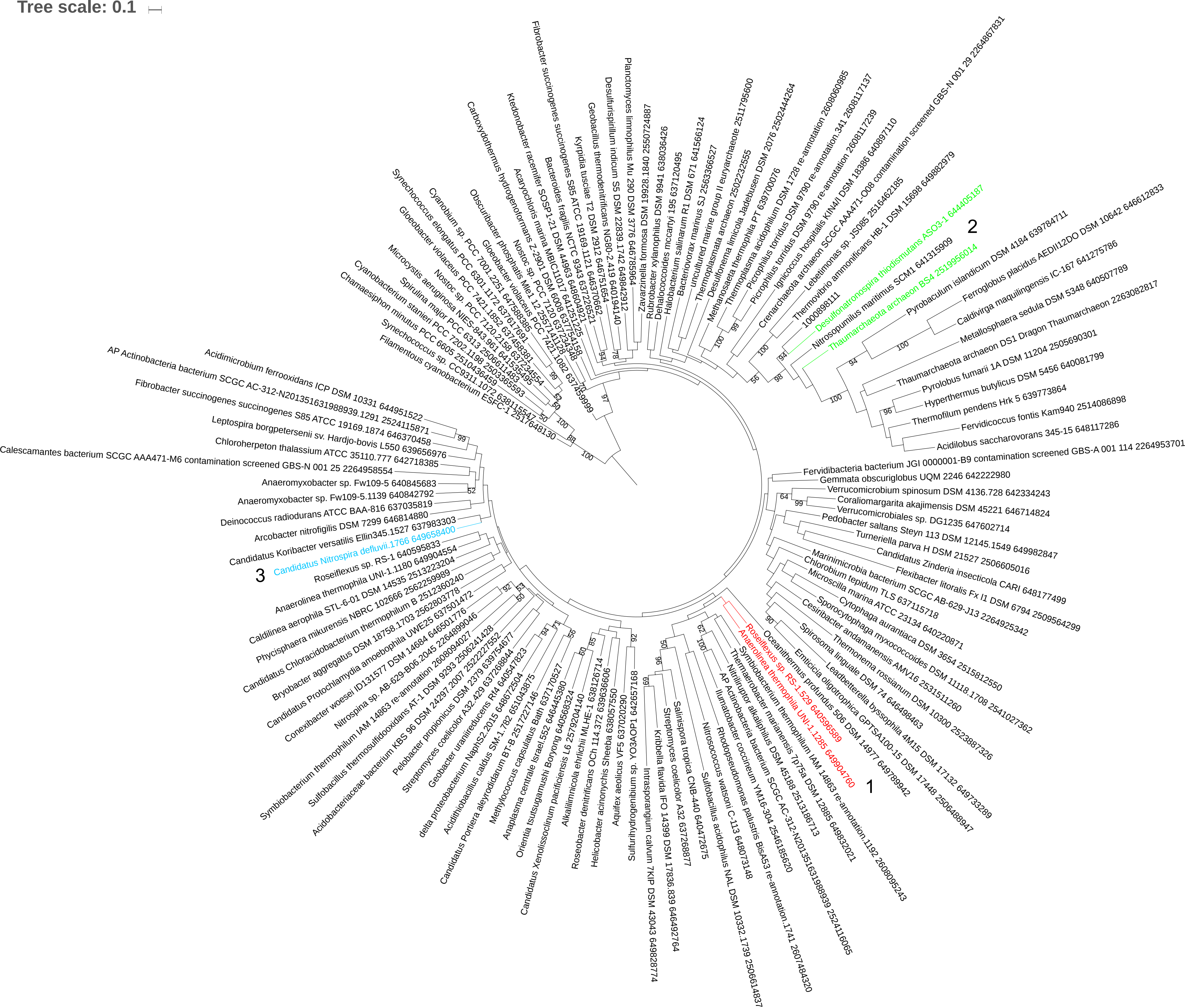

Tree scale: 0.1
1
2
3
Fervidibacteria bacterium JGI 0000001-B9 contamination screened GBS-A 001 114 2264953701
Gemmata obscuriglobus UQM 2246 642222980
Verrucomicrobium spinosum DSM 4136.728 642334243
Coraliomargarita akajimensis DSM 45221 646714824
Verrucomicrobiales sp. DG1235 647602714
Pedobacter saltans Steyn 113 DSM 12145.1549 649982847
Turneriella parva H DSM 21527 2506605016
Candidatus Zinderia insecticola CARI 648177499
Flexibacter litoralis Fx I1 DSM 6794 2509564299
Marinimicrobia bacterium SCGC AB-629-J13 2264925342
Chlorobium tepidum TLS 637115718
Microscilla marina ATCC 23134 640220871
Cytophaga aurantiaca DSM 3654 2515812550
Sporocytophaga myxococcoides DSM 11118.1708 2541027362
Cesiribacter andamanensis AMV16 2531511260
Thermonema rossianum DSM 10300 2523887326
Spirosoma linguale DSM 74 646498463
Leadbetterella byssophila 4M15 DSM 17132 649733289
Emticicia oligotrophica GPTSA100-15 DSM 17448 2506488947
Oceanithermus profundus 506 DSM 14977 649789942
Roseiflexus sp. RS-1.529 640596589
Anaerolinea thermophila UNI-1.1285 649904760
Symbiobacterium thermophilum IAM 14863 re-annotation.1192 2608095243
Thermaerobacter marianensis 7p75a DSM 12885 649832021
Nitriliruptor alkaliphilus DSM 45188 2513186713
AP Actinobacteria bacterium SCGC AC-312-N201351631988939 2524116065
Ilumatobacter coccineum YM16-304 2546185620
Rhodopseudomonas palustris BisA53 re-annotation.1741 2607484320
Nitrosococcus watsoni C-113 648073148
Sulfobacillus acidophilus NAL DSM 10332.1739 2506614837
Salinispora tropica CNB-440 640472675
Streptomyces coelicolor A32 637268877
Kribbella flavida IFO 14399 DSM 17836.839 646492764
Intrasporangium calvum 7KIP DSM 43043 649828774
Sulfurihydrogenibium sp. YO3AOP1 642657168
Aquifex aeolicus VF5 637020290
Helicobacter acinonychis Sheeba 638057550
Roseobacter denitrificans OCh 114.372 639636606
Alkalilimnicola ehrlichii MLHE-1 638126714
Candidatus Xenolissoclinum pacificiensis L6 2579204140
Orientia tsutsugamushi Boryong 640568324
Anaplasma centrale Israel.552 646445380
Methylococcus capsulatus Bath 637170527
Candidatus Portiera aleyrodidarum BT-B 2517227146
Acidithiobacillus caldus SM-1.782 651043875
delta proteobacterium NaphS2.2015 648672504
Geobacter uraniireducens Rf4 640547823
Streptomyces coelicolor A32.429 637268844
Pelobacter propionicus DSM 2379 639754677
Acidobacteriaceae bacterium KBS 96 DSM 24297.2007 2522227552
Sulfobacillus thermosulfidooxidans AT-1 DSM 9293 2506241428
Symbiobacterium thermophilum IAM 14863 re-annotation 2608094027
Nitrospina sp. AB-629-B06.2045 2264899046
Conexibacter woesei ID131577 DSM 14684 646501776
Candidatus Protochlamydia amoebophila UWE25 637501472
Bryobacter aggregatus DSM 18758.1703 2562803778
Candidatus Chloracidobacterium thermophilum B 2512360240
Phycisphaera mikurensis NBRC 102666 2562259989
Caldilinea aerophila STL-6-01 DSM 14535 2513223204
Anaerolinea thermophila UNI-1.1180 649904554
Roseiflexus sp. RS-1 640595833
Candidatus Nitrospira defluvii.1766 649658400
Candidatus Koribacter versatilis Ellin345.1527 637983303
Arcobacter nitrofigilis DSM 7299 646814880
Deinococcus radiodurans ATCC BAA-816 637035819
Anaeromyxobacter sp. Fw109-5.1139 640842792
Anaeromyxobacter sp. Fw109-5 640845683
Calescamantes bacterium SCGC AAA471-M6 contamination screened GBS-N 001 25 2264958554
Chloroherpeton thalassium ATCC 35110.777 642718385
Leptospira borgpetersenii sv. Hardjo-bovis L550 639656976
Fibrobacter succinogenes succinogenes S85 ATCC 19169.1874 646370458
AP Actinobacteria bacterium SCGC AC-312-N201351631988939.1291 2524115871
Acidimicrobium ferrooxidans ICP DSM 10331 644951522
Filamentous cyanobacterium ESFC-1 2517648130
Synechococcus sp. CC9311.1072 638115547
Chamaesiphon minutus PCC 6605 2510436459
Cyanobacterium stanieri PCC 7202.1198 2503365593
Spirulina major PCC 6313 2506611483
Microcystis aeruginosa NIES-843.961 641535495
Nostoc sp. PCC 7120.2158 637234554
Gloeobacter violaceus PCC 7421.1852 637458381
Synechococcus elongatus PCC 6301.1172 637617691
Cyanobium sp. PCC 7001.2251 647588385
Gloeobacter violaceus PCC 7421.1082 637459999
Obscuribacter phosphatis Mle1 12 2557141128
Nostoc sp. PCC 7120 637234348
Acaryochloris marina MBIC11017 641251225
Carboxydothermus hydrogenoformans Z-2901 DSM 6008 637754158
Ktedonobacter racemifer SOSP1-21 DSM 44963 648604921
Bacteroides fragilis NCTC 9343 637226521
Fibrobacter succinogenes succinogenes S85 ATCC 19169.1121 646370662
Kyrpidia tusciae T2 DSM 2912 646751654
Geobacillus thermodenitrificans NG80-2.419 640194140
Desulfurispirillum indicum S5 DSM 22839.1742 649842912
Planctomyces limnophilus Mu 290 DSM 3776 646785964
Zavarzinella formosa DSM 19928.1840 2550724887
Rubrobacter xylanophilus DSM 9941 638036426
Dehalococcoides mccartyi 195 637120495
Halobacterium salinarum R1 DSM 671 641566124
Bacteriovorax marinus SJ 2563366527
uncultured marine group II euryarchaeote 2511795600
Thermoplasmata archaeon 2502232555
Desulfonema limicola Jadebusen DSM 2076 2502444264
Methanosaeta thermophila PT 639700076
Thermoplasma acidophilum DSM 1728 re-annotation 2608060985
Picrophilus torridus DSM 9790 re-annotation.341 2608117137
Picrophilus torridus DSM 9790 re-annotation 2608117239
Ignicoccus hospitalis KIN4/I DSM 18386 640897110
Crenarchaeota archaeon SCGC AAA471-O08 contamination screened GBS-N 001 29 2264867831
Lebetimonas sp. JS085 2516462185
Thermovibrio ammonificans HB-1 DSM 15698 649882979
1000898111
Desulfonatronospira thiodismutans ASO3-1 644405187
Nitrosopumilus maritimus SCM1 641315909
Thaumarchaeota archaeon BS4 2519956014
Pyrobaculum islandicum DSM 4184 639784711
Ferroglobus placidus AEDII12DO DSM 10642 646612833
Caldivirga maquilingensis IC-167 641275786
Metallosphaera sedula DSM 5348 640507789
Thaumarchaeota archaeon DS1 Dragon Thaumarchaeon 2263082817
Pyrolobus fumarii 1A DSM 11204 2505690301
Hyperthermus butylicus DSM 5456 640081799
Thermofilum pendens Hrk 5 639773864
Fervidicoccus fontis Kam940 2514086898
Acidilobus saccharovorans 345-15 648117286