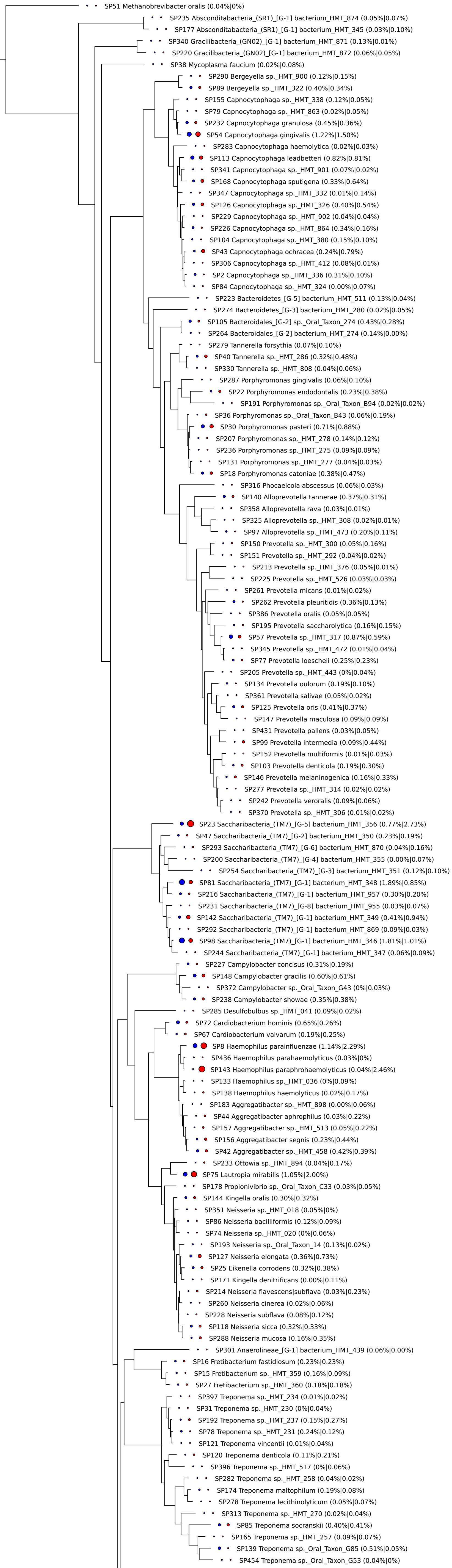
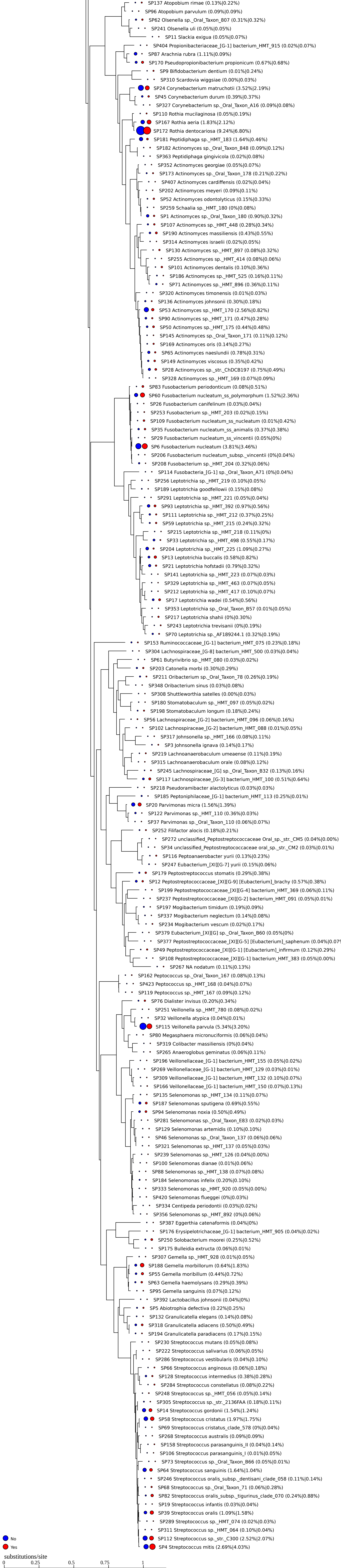

SP51 Methanobrevibacter oralis (0.04%|0%)
SP235 Absconditabacteria_(SR1)_[G-1] bacterium_HMT_874 (0.05%|0.07%)
SP177 Absconditabacteria_(SR1)_[G-1] bacterium_HMT_345 (0.03%|0.10%)
SP340 Gracilibacteria_(GN02)_[G-1] bacterium_HMT_871 (0.13%|0.01%)
SP220 Gracilibacteria_(GN02)_[G-1] bacterium_HMT_872 (0.06%|0.05%)
SP38 Mycoplasma faucium (0.02%|0.08%)
SP290 Bergeyella sp._HMT_900 (0.12%|0.15%)
SP89 Bergeyella sp._HMT_322 (0.40%|0.34%)
SP155 Capnocytophaga sp._HMT_338 (0.12%|0.05%)
SP79 Capnocytophaga sp._HMT_863 (0.02%|0.05%)
SP232 Capnocytophaga granulosa (0.45%|0.36%)
SP54 Capnocytophaga gingivalis (1.22%|1.50%)
SP283 Capnocytophaga haemolytica (0.02%|0.03%)
SP113 Capnocytophaga leadbetteri (0.82%|0.81%)
SP341 Capnocytophaga sp._HMT_901 (0.07%|0.02%)
SP168 Capnocytophaga sputigena (0.33%|0.64%)
SP347 Capnocytophaga sp._HMT_332 (0.01%|0.14%)
SP126 Capnocytophaga sp._HMT_326 (0.40%|0.54%)
SP229 Capnocytophaga sp._HMT_902 (0.04%|0.04%)
SP226 Capnocytophaga sp._HMT_864 (0.34%|0.16%)
SP104 Capnocytophaga sp._HMT_380 (0.15%|0.10%)
SP43 Capnocytophaga ochracea (0.24%|0.79%)
SP306 Capnocytophaga sp._HMT_412 (0.08%|0.01%)
SP2 Capnocytophaga sp._HMT_336 (0.31%|0.10%)
SP84 Capnocytophaga sp._HMT_324 (0.00%|0.07%)
SP223 Bacteroidetes_[G-5] bacterium_HMT_511 (0.13%|0.04%)
SP274 Bacteroidetes_[G-3] bacterium_HMT_280 (0.02%|0.05%)
SP105 Bacteroidales_[G-2] sp._Oral_Taxon_274 (0.43%|0.28%)
SP264 Bacteroidales_[G-2] bacterium_HMT_274 (0.14%|0.00%)
SP279 Tannerella forsythia (0.07%|0.10%)
SP40 Tannerella sp._HMT_286 (0.32%|0.48%)
SP330 Tannerella sp._HMT_808 (0.04%|0.06%)
SP287 Porphyromonas gingivalis (0.06%|0.10%)
SP22 Porphyromonas endodontalis (0.23%|0.38%)
SP191 Porphyromonas sp._Oral_Taxon_B94 (0.02%|0.02%)
SP36 Porphyromonas sp._Oral_Taxon_B43 (0.06%|0.19%)
SP30 Porphyromonas pasteri (0.71%|0.88%)
SP207 Porphyromonas sp._HMT_278 (0.14%|0.12%)
SP236 Porphyromonas sp._HMT_275 (0.09%|0.09%)
SP131 Porphyromonas sp._HMT_277 (0.04%|0.03%)
SP18 Porphyromonas catoniae (0.38%|0.47%)
SP316 Phocaeicola abscessus (0.06%|0.03%)
SP140 Alloprevotella tannerae (0.37%|0.31%)
SP358 Alloprevotella rava (0.03%|0.01%)
SP325 Alloprevotella sp._HMT_308 (0.02%|0.01%)
SP97 Alloprevotella sp._HMT_473 (0.20%|0.11%)
SP150 Prevotella sp._HMT_300 (0.05%|0.16%)
SP151 Prevotella sp._HMT_292 (0.04%|0.02%)
SP213 Prevotella sp._HMT_376 (0.05%|0.01%)
SP225 Prevotella sp._HMT_526 (0.03%|0.03%)
SP261 Prevotella micans (0.01%|0.02%)
SP262 Prevotella pleuritidis (0.36%|0.13%)
SP386 Prevotella oralis (0.05%|0.05%)
SP195 Prevotella saccharolytica (0.16%|0.15%)
SP57 Prevotella sp._HMT_317 (0.87%|0.59%)
SP345 Prevotella sp._HMT_472 (0.01%|0.04%)
SP77 Prevotella loescheii (0.25%|0.23%)
SP205 Prevotella sp._HMT_443 (0%|0.04%)
SP134 Prevotella oulorum (0.19%|0.10%)
SP361 Prevotella salivae (0.05%|0.02%)
SP125 Prevotella oris (0.41%|0.37%)
SP147 Prevotella maculosa (0.09%|0.09%)
SP431 Prevotella pallens (0.03%|0.05%)
SP99 Prevotella intermedia (0.09%|0.44%)
SP152 Prevotella multiformis (0.01%|0.03%)
SP103 Prevotella denticola (0.19%|0.30%)
SP146 Prevotella melaninogenica (0.16%|0.33%)
SP277 Prevotella sp._HMT_314 (0.02%|0.02%)
SP242 Prevotella veroralis (0.09%|0.06%)
SP370 Prevotella sp._HMT_306 (0.01%|0.02%)
SP23 Saccharibacteria_(TM7)_[G-5] bacterium_HMT_356 (0.77%|2.73%)
SP47 Saccharibacteria_(TM7)_[G-2] bacterium_HMT_350 (0.23%|0.19%)
SP293 Saccharibacteria_(TM7)_[G-6] bacterium_HMT_870 (0.04%|0.16%)
SP200 Saccharibacteria_(TM7)_[G-4] bacterium_HMT_355 (0.00%|0.07%)
SP254 Saccharibacteria_(TM7)_[G-3] bacterium_HMT_351 (0.12%|0.10%)
SP81 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_348 (1.89%|0.85%)
SP216 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_957 (0.30%|0.20%)
SP231 Saccharibacteria_(TM7)_[G-8] bacterium_HMT_955 (0.03%|0.07%)
SP142 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_349 (0.41%|0.94%)
SP292 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_869 (0.09%|0.03%)
SP98 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_346 (1.81%|1.01%)
SP244 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_347 (0.06%|0.09%)
SP227 Campylobacter concisus (0.31%|0.19%)
SP148 Campylobacter gracilis (0.60%|0.61%)
SP372 Campylobacter sp._Oral_Taxon_G43 (0%|0.03%)
SP238 Campylobacter showae (0.35%|0.38%)
SP285 Desulfobulbus sp._HMT_041 (0.09%|0.02%)
SP72 Cardiobacterium hominis (0.65%|0.26%)
SP67 Cardiobacterium valvarum (0.19%|0.25%)
SP8 Haemophilus parainfluenzae (1.14%|2.29%)
SP436 Haemophilus parahaemolyticus (0.03%|0%)
SP143 Haemophilus paraphrohaemolyticus (0.04%|2.46%)
SP133 Haemophilus sp._HMT_036 (0%|0.09%)
SP138 Haemophilus haemolyticus (0.02%|0.17%)
SP183 Aggregatibacter sp._HMT_898 (0.00%|0.06%)
SP44 Aggregatibacter aphrophilus (0.03%|0.22%)
SP157 Aggregatibacter sp._HMT_513 (0.05%|0.22%)
SP156 Aggregatibacter segnis (0.23%|0.44%)
SP42 Aggregatibacter sp._HMT_458 (0.42%|0.39%)
SP233 Ottowia sp._HMT_894 (0.04%|0.17%)
SP75 Lautropia mirabilis (1.05%|2.00%)
SP178 Propionivibrio sp._Oral_Taxon_C33 (0.03%|0.05%)
SP144 Kingella oralis (0.30%|0.32%)
SP351 Neisseria sp._HMT_018 (0.05%|0%)
SP86 Neisseria bacilliformis (0.12%|0.09%)
SP74 Neisseria sp._HMT_020 (0%|0.06%)
SP193 Neisseria sp._Oral_Taxon_14 (0.13%|0.02%)
SP127 Neisseria elongata (0.36%|0.73%)
SP25 Eikenella corrodens (0.32%|0.38%)
SP171 Kingella denitrificans (0.00%|0.11%)
SP214 Neisseria flavescens|subflava (0.03%|0.23%)
SP260 Neisseria cinerea (0.02%|0.06%)
SP228 Neisseria subflava (0.08%|0.12%)
SP118 Neisseria sicca (0.32%|0.33%)
SP288 Neisseria mucosa (0.16%|0.35%)
SP301 Anaerolineae_[G-1] bacterium_HMT_439 (0.06%|0.00%)
SP16 Fretibacterium fastidiosum (0.23%|0.23%)
SP15 Fretibacterium sp._HMT_359 (0.16%|0.09%)
SP27 Fretibacterium sp._HMT_360 (0.18%|0.18%)
SP397 Treponema sp._HMT_234 (0.01%|0.02%)
SP31 Treponema sp._HMT_230 (0%|0.04%)
SP192 Treponema sp._HMT_237 (0.15%|0.27%)
SP78 Treponema sp._HMT_231 (0.24%|0.12%)
SP121 Treponema vincentii (0.01%|0.04%)
SP120 Treponema denticola (0.11%|0.21%)
SP396 Treponema sp._HMT_517 (0%|0.06%)
SP282 Treponema sp._HMT_258 (0.04%|0.02%)
SP174 Treponema maltophilum (0.19%|0.08%)
SP278 Treponema lecithinolyticum (0.05%|0.07%)
SP313 Treponema sp._HMT_270 (0.02%|0.04%)
SP85 Treponema socranskii (0.40%|0.41%)
SP165 Treponema sp._HMT_257 (0.09%|0.07%)
SP139 Treponema sp._Oral_Taxon_G85 (0.51%|0.05%)
SP454 Treponema sp._Oral_Taxon_G53 (0.04%|0%)


SP137 Atopobium rimae (0.13%|0.22%)
SP96 Atopobium parvulum (0.09%|0.09%)
SP62 Olsenella sp._Oral_Taxon_807 (0.31%|0.32%)
SP241 Olsenella uli (0.05%|0.05%)
SP11 Slackia exigua (0.05%|0.07%)
SP404 Propionibacteriaceae_[G-1] bacterium_HMT_915 (0.02%|0.07%)
SP87 Arachnia rubra (1.11%|0.09%)
SP170 Pseudopropionibacterium propionicum (0.67%|0.68%)
SP9 Bifidobacterium dentium (0.01%|0.24%)
SP310 Scardovia wiggsiae (0.00%|0.03%)
SP24 Corynebacterium matruchotii (3.52%|2.19%)
SP45 Corynebacterium durum (0.39%|0.37%)
SP327 Corynebacterium sp._Oral_Taxon_A16 (0.09%|0.08%)
SP110 Rothia mucilaginosa (0.05%|0.19%)
SP167 Rothia aeria (1.83%|2.12%)
SP172 Rothia dentocariosa (9.24%|6.80%)
SP181 Peptidiphaga sp._HMT_183 (1.64%|0.46%)
SP182 Actinomyces sp._Oral_Taxon_848 (0.09%|0.12%)
SP363 Peptidiphaga gingivicola (0.02%|0.08%)
SP352 Actinomyces georgiae (0.05%|0.07%)
SP173 Actinomyces sp._Oral_Taxon_178 (0.21%|0.22%)
SP407 Actinomyces cardiffensis (0.02%|0.04%)
SP202 Actinomyces meyeri (0.09%|0.11%)
SP52 Actinomyces odontolyticus (0.15%|0.33%)
SP259 Schaalia sp._HMT_180 (0%|0.08%)
SP1 Actinomyces sp._Oral_Taxon_180 (0.90%|0.32%)
SP107 Actinomyces sp._HMT_448 (0.28%|0.34%)
SP190 Actinomyces massiliensis (0.43%|0.55%)
SP314 Actinomyces israelii (0.02%|0.05%)
SP130 Actinomyces sp._HMT_897 (0.08%|0.32%)
SP255 Actinomyces sp._HMT_414 (0.08%|0.06%)
SP101 Actinomyces dentalis (0.10%|0.36%)
SP186 Actinomyces sp._HMT_525 (0.16%|0.11%)
SP71 Actinomyces sp._HMT_896 (0.36%|0.11%)
SP320 Actinomyces timonensis (0.01%|0.03%)
SP136 Actinomyces johnsonii (0.30%|0.18%)
SP53 Actinomyces sp._HMT_170 (2.56%|0.82%)
SP90 Actinomyces sp._HMT_171 (0.47%|0.28%)
SP50 Actinomyces sp._HMT_175 (0.44%|0.48%)
SP145 Actinomyces sp._Oral_Taxon_171 (0.11%|0.12%)
SP169 Actinomyces oris (0.14%|0.27%)
SP65 Actinomyces naeslundii (0.78%|0.31%)
SP149 Actinomyces viscosus (0.35%|0.42%)
SP28 Actinomyces sp._str._ChDCB197 (0.75%|0.49%)
SP328 Actinomyces sp._HMT_169 (0.07%|0.09%)
SP83 Fusobacterium periodonticum (0.08%|0.51%)
SP60 Fusobacterium nucleatum_ss_polymorphum (1.52%|2.36%)
SP26 Fusobacterium canifelinum (0.03%|0.04%)
SP253 Fusobacterium sp._HMT_203 (0.02%|0.15%)
SP109 Fusobacterium nucleatum_ss_nucleatum (0.01%|0.42%)
SP35 Fusobacterium nucleatum_ss_animalis (0.37%|0.38%)
SP29 Fusobacterium nucleatum_ss_vincentii (0.05%|0%)
SP6 Fusobacterium nucleatum (3.81%|3.46%)
SP206 Fusobacterium nucleatum_subsp._vincentii (0%|0.04%)
SP208 Fusobacterium sp._HMT_204 (0.32%|0.06%)
SP114 Fusobacteria_[G-1] sp._Oral_Taxon_A71 (0%|0.04%)
SP256 Leptotrichia sp._HMT_219 (0.10%|0.05%)
SP189 Leptotrichia goodfellowii (0.15%|0.08%)
SP291 Leptotrichia sp._HMT_221 (0.05%|0.04%)
SP93 Leptotrichia sp._HMT_392 (0.97%|0.56%)
SP111 Leptotrichia sp._HMT_212 (0.37%|0.25%)
SP59 Leptotrichia sp._HMT_215 (0.24%|0.32%)
SP215 Leptotrichia sp._HMT_218 (0.11%|0%)
SP33 Leptotrichia sp._HMT_498 (0.55%|0.17%)
SP204 Leptotrichia sp._HMT_225 (1.09%|0.27%)
SP13 Leptotrichia buccalis (0.58%|0.82%)
SP21 Leptotrichia hofstadii (0.79%|0.32%)
SP141 Leptotrichia sp._HMT_223 (0.07%|0.03%)
SP329 Leptotrichia sp._HMT_463 (0.07%|0.05%)
SP212 Leptotrichia sp._HMT_417 (0.10%|0.07%)
SP17 Leptotrichia wadei (0.54%|0.56%)
SP353 Leptotrichia sp._Oral_Taxon_B57 (0.01%|0.05%)
SP217 Leptotrichia shahii (0%|0.30%)
SP243 Leptotrichia trevisanii (0%|0.19%)
SP70 Leptotrichia sp._AF189244.1 (0.32%|0.19%)
SP153 Ruminococcaceae_[G-1] bacterium_HMT_075 (0.23%|0.18%)
SP304 Lachnospiraceae_[G-8] bacterium_HMT_500 (0.03%|0.04%)
SP61 Butyrivibrio sp._HMT_080 (0.03%|0.02%)
SP203 Catonella morbi (0.30%|0.29%)
SP211 Oribacterium sp._Oral_Taxon_78 (0.26%|0.19%)
SP348 Oribacterium sinus (0.03%|0.08%)
SP308 Shuttleworthia satelles (0.00%|0.03%)
SP180 Stomatobaculum sp._HMT_097 (0.05%|0.02%)
SP198 Stomatobaculum longum (0.18%|0.24%)
SP56 Lachnospiraceae_[G-2] bacterium_HMT_096 (0.06%|0.16%)
SP102 Lachnospiraceae_[G-2] bacterium_HMT_088 (0.01%|0.05%)
SP317 Johnsonella sp._HMT_166 (0.08%|0.11%)
SP3 Johnsonella ignava (0.14%|0.17%)
SP219 Lachnoanaerobaculum umeaense (0.11%|0.19%)
SP315 Lachnoanaerobaculum orale (0.08%|0.12%)
SP245 Lachnospiraceae_[G] sp._Oral_Taxon_B32 (0.13%|0.16%)
SP117 Lachnospiraceae_[G-3] bacterium_HMT_100 (0.51%|0.64%)
SP218 Pseudoramibacter alactolyticus (0.03%|0.03%)
SP185 Peptoniphilaceae_[G-1] bacterium_HMT_113 (0.25%|0.01%)
SP20 Parvimonas micra (1.56%|1.39%)
SP122 Parvimonas sp._HMT_110 (0.36%|0.03%)
SP37 Parvimonas sp._Oral_Taxon_110 (0.06%|0.07%)
SP252 Filifactor alocis (0.18%|0.21%)
SP272 unclassified_Peptostreptococcaceae Oral_sp._str._CM5 (0.04%|0.00%)
SP34 unclassified_Peptostreptococcaceae oral_sp._str._CM2 (0.03%|0.01%)
SP116 Peptoanaerobacter yurii (0.13%|0.23%)
SP247 Eubacterium_[XI][G-7] yurii (0.15%|0.06%)
SP179 Peptostreptococcus stomatis (0.29%|0.38%)
SP12 Peptostreptococcaceae_[XI][G-9] [Eubacterium]_brachy (0.57%|0.38%)
SP199 Peptostreptococcaceae_[XI][G-4] bacterium_HMT_369 (0.06%|0.11%)
SP237 Peptostreptococcaceae_[XI][G-2] bacterium_HMT_091 (0.05%|0.01%)
SP197 Mogibacterium timidum (0.19%|0.09%)
SP337 Mogibacterium neglectum (0.14%|0.08%)
SP234 Mogibacterium vescum (0.02%|0.17%)
SP379 Eubacterium_[XI][G] sp._Oral_Taxon_B60 (0.05%|0%)
SP377 Peptostreptococcaceae_[XI][G-5] [Eubacterium]_saphenum (0.04%|0.07
SP49 Peptostreptococcaceae_[XI][G-1] [Eubacterium]_infirmum (0.12%|0.29%)
SP108 Peptostreptococcaceae_[XI][G-1] bacterium_HMT_383 (0.05%|0.00%)
SP267 NA nodatum (0.11%|0.13%)
SP162 Peptococcus sp._Oral_Taxon_167 (0.08%|0.13%)
SP423 Peptococcus sp._HMT_168 (0.04%|0.07%)
SP119 Peptococcus sp._HMT_167 (0.09%|0.12%)
SP76 Dialister invisus (0.20%|0.34%)
SP251 Veillonella sp._HMT_780 (0.08%|0.02%)
SP32 Veillonella atypica (0.04%|0.01%)
SP115 Veillonella parvula (5.34%|3.20%)
SP80 Megasphaera micronuciformis (0.06%|0.04%)
SP319 Colibacter massiliensis (0%|0.04%)
SP265 Anaeroglobus geminatus (0.06%|0.11%)
SP196 Veillonellaceae_[G-1] bacterium_HMT_155 (0.05%|0.02%)
SP269 Veillonellaceae_[G-1] bacterium_HMT_129 (0.03%|0.01%)
SP309 Veillonellaceae_[G-1] bacterium_HMT_132 (0.10%|0.07%)
SP166 Veillonellaceae_[G-1] bacterium_HMT_150 (0.07%|0.13%)
SP135 Selenomonas sp._HMT_134 (0.11%|0.07%)
SP187 Selenomonas sputigena (0.69%|0.55%)
SP94 Selenomonas noxia (0.50%|0.49%)
SP281 Selenomonas sp._Oral_Taxon_E83 (0.02%|0.03%)
SP129 Selenomonas artemidis (0.10%|0.10%)
SP46 Selenomonas sp._Oral_Taxon_137 (0.06%|0.06%)
SP321 Selenomonas sp._HMT_137 (0.05%|0.03%)
SP239 Selenomonas sp._HMT_126 (0.04%|0.00%)
SP100 Selenomonas dianae (0.01%|0.06%)
SP88 Selenomonas sp._HMT_138 (0.07%|0.08%)
SP184 Selenomonas infelix (0.20%|0.10%)
SP333 Selenomonas sp._HMT_920 (0.05%|0.00%)
SP420 Selenomonas flueggei (0%|0.03%)
SP334 Centipeda periodontii (0.03%|0.02%)
SP356 Selenomonas sp._HMT_892 (0%|0.06%)
SP387 Eggerthia catenaformis (0.04%|0%)
SP176 Erysipelotrichaceae_[G-1] bacterium_HMT_905 (0.04%|0.02%)
SP250 Solobacterium moorei (0.25%|0.52%)
SP175 Bulleidia extructa (0.06%|0.01%)
SP307 Gemella sp._HMT_928 (0.01%|0.05%)
SP188 Gemella morbillorum (0.64%|1.83%)
SP55 Gemella moribillum (0.44%|0.72%)
SP63 Gemella haemolysans (0.29%|0.39%)
SP95 Gemella sanguinis (0.07%|0.12%)
SP392 Lactobacillus johnsonii (0.04%|0%)
SP5 Abiotrophia defectiva (0.22%|0.25%)
SP132 Granulicatella elegans (0.14%|0.08%)
SP318 Granulicatella adiacens (0.50%|0.49%)
SP194 Granulicatella paradiacens (0.17%|0.15%)
SP230 Streptococcus mutans (0.05%|0.08%)
SP222 Streptococcus salivarius (0.06%|0.05%)
SP286 Streptococcus vestibularis (0.04%|0.10%)
SP66 Streptococcus anginosus (0.06%|0.18%)
SP128 Streptococcus intermedius (0.38%|0.28%)
SP284 Streptococcus constellatus (0.08%|0.22%)
SP248 Streptococcus sp._HMT_056 (0.05%|0.14%)
SP305 Streptococcus sp._str._2136FAA (0.18%|0.11%)
SP14 Streptococcus gordonii (1.54%|1.24%)
SP58 Streptococcus cristatus (1.97%|1.75%)
SP69 Streptococcus cristatus_clade_578 (0%|0.04%)
SP268 Streptococcus australis (0.09%|0.09%)
SP158 Streptococcus parasanguinis_II (0.04%|0.14%)
SP106 Streptococcus parasanguinis_I (0.01%|0.05%)
SP73 Streptococcus sp._Oral_Taxon_B66 (0.05%|0.01%)
SP64 Streptococcus sanguinis (1.64%|1.04%)
SP246 Streptococcus oralis_subsp._dentisani_clade_058 (0.11%|0.14%)
SP68 Streptococcus sp._Oral_Taxon_71 (0.06%|0.28%)
SP82 Streptococcus oralis_subsp._tigurinus_clade_070 (0.24%|0.88%)
SP19 Streptococcus infantis (0.03%|0.04%)
SP39 Streptococcus oralis (1.09%|1.58%)
SP289 Streptococcus sp._HMT_074 (0.02%|0.03%)
SP311 Streptococcus sp._HMT_064 (0.10%|0.04%)
SP112 Streptococcus sp._str._C300 (2.52%|2.07%)
SP4 Streptococcus mitis (2.69%|4.03%)
No
Yes
substitutions/site
0
0.25
0.5
0.75
1