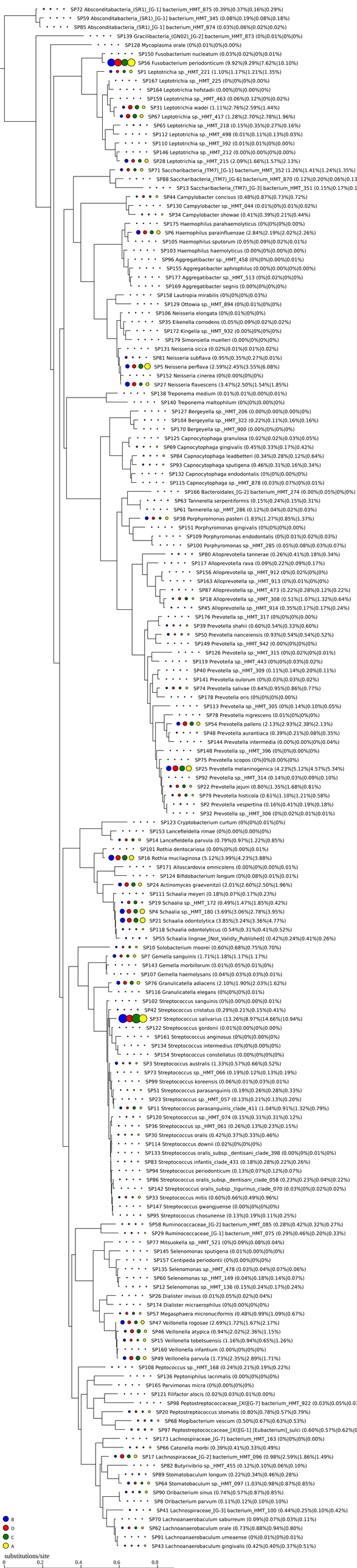
SP72 Absconditabacteria_(SR1)_[G-1] bacterium_HMT_875 (0.39%|0.37%|0.16%|0.29%)
SP59 Absconditabacteria_(SR1)_[G-1] bacterium_HMT_345 (0.08%|0.19%|0.08%|0.18%)
SP85 Absconditabacteria_(SR1)_[G-1] bacterium_HMT_874 (0.03%|0.06%|0.02%|0.02%)
SP139 Gracilibacteria_(GN02)_[G-2] bacterium_HMT_873 (0%|0.01%|0%|0%)
SP128 Mycoplasma orale (0%|0.01%|0%|0.00%)
SP150 Fusobacterium nucleatum (0.03%|0.02%|0%|0.01%)
SP56 Fusobacterium periodonticum (9.92%|9.29%|7.62%|10.10%)
SP1 Leptotrichia sp._HMT_221 (1.10%|1.17%|1.21%|1.35%)
SP167 Leptotrichia sp._HMT_225 (0%|0%|0%|0.00%)
SP164 Leptotrichia hofstadii (0.00%|0%|0.00%|0%)
SP159 Leptotrichia sp._HMT_463 (0.06%|0.12%|0%|0.02%)
SP31 Leptotrichia wadei (1.11%|2.76%|2.59%|1.44%)
SP67 Leptotrichia sp._HMT_417 (1.28%|2.70%|2.78%|1.96%)
SP65 Leptotrichia sp._HMT_218 (0.15%|0.35%|0.27%|0.16%)
SP112 Leptotrichia sp._HMT_498 (0.01%|0.11%|0.13%|0.03%)
SP110 Leptotrichia sp._HMT_392 (0.01%|0.01%|0%|0.00%)
SP146 Leptotrichia sp._HMT_212 (0.00%|0.00%|0%|0.00%)
SP28 Leptotrichia sp._HMT_215 (2.09%|1.66%|1.57%|2.13%)
SP71 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_352 (1.26%|1.41%|1.24%|1.35%)
SP88 Saccharibacteria_(TM7)_[G-6] bacterium_HMT_870 (0.12%|0.20%|0.06%|0.13
SP13 Saccharibacteria_(TM7)_[G-3] bacterium_HMT_351 (0.15%|0.17%|0.1
SP44 Campylobacter concisus (0.48%|0.87%|0.73%|0.72%)
SP130 Campylobacter sp._HMT_044 (0.01%|0%|0.01%|0.02%)
SP34 Campylobacter showae (0.41%|0.39%|0.21%|0.44%)
SP175 Haemophilus parahaemolyticus (0%|0%|0%|0.00%)
SP6 Haemophilus parainfluenzae (2.84%|2.19%|2.02%|2.26%)
SP105 Haemophilus sputorum (0.05%|0.09%|0.02%|0.01%)
SP103 Haemophilus haemolyticus (0.00%|0%|0.00%|0.00%)
SP96 Aggregatibacter sp._HMT_458 (0%|0%|0.00%|0.01%)
SP155 Aggregatibacter aphrophilus (0.00%|0.00%|0%|0.00%)
SP177 Aggregatibacter sp._HMT_513 (0%|0.02%|0%|0%)
SP169 Aggregatibacter segnis (0.00%|0%|0%|0%)
SP158 Lautropia mirabilis (0%|0%|0%|0.03%)
SP129 Ottowia sp._HMT_894 (0%|0.01%|0%|0%)
SP106 Neisseria elongata (0%|0.01%|0%|0%)
SP35 Eikenella corrodens (0.05%|0.09%|0.02%|0.02%)
SP172 Kingella sp._HMT_932 (0.00%|0%|0%|0%)
SP179 Simonsiella muelleri (0.00%|0%|0%|0%)
SP131 Neisseria sicca (0.02%|0.01%|0.01%|0.02%)
SP81 Neisseria subflava (0.95%|0.35%|0.27%|0.01%)
SP5 Neisseria perflava (2.59%|2.45%|3.55%|6.08%)
SP152 Neisseria cinerea (0%|0.00%|0%|0%)
SP27 Neisseria flavescens (3.47%|2.50%|1.54%|1.85%)
SP138 Treponema medium (0.01%|0.01%|0.00%|0.01%)
SP140 Treponema maltophilum (0%|0%|0.00%|0%)
SP127 Bergeyella sp._HMT_206 (0.00%|0.00%|0.00%|0%)
SP104 Bergeyella sp._HMT_322 (0.22%|0.11%|0.16%|0.16%)
SP170 Bergeyella sp._HMT_900 (0.00%|0%|0%|0%)
SP125 Capnocytophaga granulosa (0.02%|0.02%|0.03%|0.05%)
SP69 Capnocytophaga gingivalis (0.45%|0.33%|0.17%|0.42%)
SP84 Capnocytophaga leadbetteri (0.34%|0.28%|0.12%|0.64%)
SP93 Capnocytophaga sputigena (0.46%|0.31%|0.16%|0.34%)
SP132 Capnocytophaga endodontalis (0%|0%|0.00%|0%)
SP115 Capnocytophaga sp._HMT_878 (0.03%|0.07%|0%|0.01%)
SP166 Bacteroidales_[G-2] bacterium_HMT_274 (0.00%|0.05%|0%|0%)
SP63 Tannerella serpentiformis (0.15%|0.24%|0.15%|0.31%)
SP61 Tannerella sp._HMT_286 (0.12%|0.04%|0.02%|0.03%)
SP38 Porphyromonas pasteri (1.83%|1.27%|0.85%|1.37%)
SP151 Porphyromonas gingivalis (0%|0%|0%|0.00%)
SP109 Porphyromonas endodontalis (0%|0.01%|0.02%|0.03%)
SP100 Porphyromonas sp._HMT_285 (0.05%|0.08%|0.03%|0.07%)
SP80 Alloprevotella tannerae (0.26%|0.41%|0.18%|0.34%)
SP117 Alloprevotella rava (0.09%|0.22%|0.09%|0.17%)
SP156 Alloprevotella sp._HMT_912 (0%|0.02%|0%|0%)
SP163 Alloprevotella sp._HMT_913 (0%|0.01%|0%|0%)
SP87 Alloprevotella sp._HMT_473 (0.22%|0.28%|0.12%|0.22%)
SP18 Alloprevotella sp._HMT_308 (0.51%|1.07%|1.32%|0.64%)
SP45 Alloprevotella sp._HMT_914 (0.35%|0.17%|0.17%|0.24%)
SP176 Prevotella sp._HMT_317 (0%|0%|0%|0.00%)
SP39 Prevotella shahii (0.60%|0.54%|0.33%|0.60%)
SP50 Prevotella nanceiensis (0.93%|0.54%|0.54%|0.52%)
SP149 Prevotella sp._HMT_942 (0.00%|0%|0%|0%)
SP126 Prevotella sp._HMT_315 (0%|0.02%|0%|0.01%)
SP119 Prevotella sp._HMT_443 (0%|0%|0.03%|0.02%)
SP40 Prevotella sp._HMT_309 (0.11%|0.14%|0.20%|0.11%)
SP141 Prevotella oulorum (0%|0.03%|0.03%|0.02%)
SP74 Prevotella salivae (0.64%|0.95%|0.86%|0.77%)
SP178 Prevotella oris (0%|0%|0%|0.00%)
SP113 Prevotella sp._HMT_305 (0%|0.14%|0.10%|0.05%)
SP78 Prevotella nigrescens (0.01%|0%|0%|0%)
SP54 Prevotella pallens (2.13%|2.93%|2.38%|2.13%)
SP48 Prevotella aurantiaca (0.39%|0.21%|0.08%|0.35%)
SP144 Prevotella intermedia (0.00%|0.00%|0%|0.04%)
SP148 Prevotella sp._HMT_396 (0%|0%|0.00%|0%)
SP75 Prevotella scopos (0%|0%|0.00%|0%)
SP25 Prevotella melaninogenica (4.23%|5.12%|4.57%|5.34%)
SP92 Prevotella sp._HMT_314 (0.14%|0.03%|0.09%|0.10%)
SP22 Prevotella jejuni (0.80%|1.35%|1.68%|0.81%)
SP79 Prevotella histicola (0.61%|1.10%|1.21%|0.58%)
SP2 Prevotella vespertina (0.16%|0.41%|0.19%|0.18%)
SP32 Prevotella sp._HMT_306 (0%|0.02%|0.01%|0.01%)
SP123 Cryptobacterium curtum (0%|0%|0.01%|0%)
SP153 Lancefieldella rimae (0%|0.00%|0.00%|0%)
SP14 Lancefieldella parvula (0.79%|0.97%|1.22%|0.85%)
SP101 Rothia dentocariosa (0.00%|0%|0.00%|0.01%)
SP16 Rothia mucilaginosa (5.12%|3.99%|4.23%|3.88%)
SP171 Alloscardovia omnicolens (0.00%|0%|0.00%|0.01%)
SP124 Bifidobacterium longum (0%|0.08%|0.01%|0.01%)
SP24 Actinomyces graevenitzii (2.01%|2.60%|2.50%|1.96%)
SP111 Schaalia meyeri (0.18%|0.07%|0.17%|0.23%)
SP19 Schaalia sp._HMT_172 (0.49%|1.47%|1.85%|0.42%)
SP4 Schaalia sp._HMT_180 (3.69%|3.06%|2.78%|3.95%)
SP21 Schaalia odontolytica (3.85%|3.24%|3.36%|4.77%)
SP118 Schaalia odontolyticus (0.54%|0.31%|0.41%|0.52%)
SP55 Schaalia lingnae_[Not_Validly_Published] (0.42%|0.24%|0.41%|0.26%)
SP10 Solobacterium moorei (0.60%|0.68%|0.75%|0.70%)
SP7 Gemella sanguinis (1.71%|1.18%|1.17%|1.17%)
SP143 Gemella morbillorum (0.01%|0.05%|0.01%|0%)
SP107 Gemella haemolysans (0.04%|0.03%|0.03%|0.01%)
SP76 Granulicatella adiacens (2.10%|1.90%|2.03%|1.62%)
SP116 Granulicatella elegans (0%|0%|0%|0.01%)
SP102 Streptococcus sanguinis (0%|0.00%|0.00%|0.01%)
SP42 Streptococcus cristatus (0.29%|0.21%|0.15%|0.41%)
SP37 Streptococcus salivarius (13.26%|8.97%|14.66%|10.94%)
SP122 Streptococcus gordonii (0.01%|0.00%|0%|0.00%)
SP161 Streptococcus anginosus (0%|0%|0.00%|0%)
SP134 Streptococcus intermedius (0%|0%|0.00%|0%)
SP154 Streptococcus constellatus (0.00%|0%|0%|0%)
SP3 Streptococcus australis (1.33%|0.57%|0.66%|0.52%)
SP73 Streptococcus sp._HMT_066 (0.19%|0.12%|0.13%|0.19%)
SP99 Streptococcus koreensis (0.06%|0.01%|0.03%|0.01%)
SP51 Streptococcus parasanguinis (0.19%|0.26%|0.28%|0.33%)
SP23 Streptococcus sp._HMT_057 (0.13%|0.21%|0.13%|0.20%)
SP11 Streptococcus parasanguinis_clade_411 (1.04%|0.91%|1.32%|0.79%)
SP120 Streptococcus sp._HMT_074 (0.15%|0.31%|0.31%|0.12%)
SP36 Streptococcus sp._HMT_061 (0.26%|0.13%|0.23%|0.15%)
SP30 Streptococcus oralis (0.42%|0.37%|0.33%|0.46%)
SP114 Streptococcus downii (0.02%|0%|0%|0%)
SP133 Streptococcus oralis_subsp._dentisani_clade_398 (0.00%|0%|0.01%|0%)
SP83 Streptococcus infantis_clade_431 (0.18%|0.28%|0.22%|0.26%)
SP94 Streptococcus periodonticum (0.13%|0.07%|0.12%|0.07%)
SP86 Streptococcus oralis_subsp._dentisani_clade_058 (0.23%|0.23%|0.04%|0.22%)
SP142 Streptococcus oralis_subsp._tigurinus_clade_070 (0.03%|0%|0.02%|0.02%)
SP33 Streptococcus mitis (0.60%|0.66%|0.49%|0.96%)
SP147 Streptococcus gwangjuense (0.00%|0%|0%|0%)
SP95 Streptococcus chosunense (0.13%|0.19%|0.11%|0.25%)
SP58 Ruminococcaceae_[G-2] bacterium_HMT_085 (0.28%|0.42%|0.32%|0.27%)
SP29 Ruminococcaceae_[G-1] bacterium_HMT_075 (0.29%|0.46%|0.20%|0.33%)
SP77 Mitsuokella sp._HMT_521 (0%|0.09%|0.08%|0.04%)
SP145 Selenomonas sputigena (0.01%|0.00%|0%|0%)
SP157 Centipeda periodontii (0%|0.00%|0%|0%)
SP135 Selenomonas sp._HMT_478 (0.03%|0.04%|0.07%|0.06%)
SP60 Selenomonas sp._HMT_149 (0.04%|0.18%|0.14%|0.07%)
SP12 Selenomonas sp._HMT_136 (0.15%|0.24%|0.17%|0.24%)
SP26 Dialister invisus (0.01%|0.05%|0.02%|0.04%)
SP174 Dialister micraerophilus (0%|0.00%|0%|0%)
SP57 Megasphaera micronuciformis (0.48%|0.99%|1.09%|0.67%)
SP47 Veillonella rogosae (2.69%|1.72%|1.67%|2.17%)
SP46 Veillonella atypica (0.94%|2.02%|2.36%|1.15%)
SP15 Veillonella tobetsuensis (1.16%|0.94%|0.65%|1.26%)
SP160 Veillonella infantium (0.00%|0%|0%|0%)
SP49 Veillonella parvula (1.73%|2.35%|2.89%|1.71%)
SP108 Peptococcus sp._HMT_168 (0.24%|0.21%|0.19%|0.22%)
SP136 Peptoniphilus lacrimalis (0.00%|0%|0%|0%)
SP165 Parvimonas micra (0%|0.00%|0%|0%)
SP121 Filifactor alocis (0.02%|0.03%|0.01%|0.00%)
SP98 Peptostreptococcaceae_[XI][G-7] bacterium_HMT_922 (0.03%|0.05%|0.0
SP20 Peptostreptococcus stomatis (0.80%|0.78%|0.57%|0.79%)
SP68 Mogibacterium vescum (0.50%|0.67%|0.63%|0.53%)
SP97 Peptostreptococcaceae_[XI][G-1] [Eubacterium]_sulci (0.60%|0.57%|0.62%|0
SP173 Lachnospiraceae_[G-7] bacterium_HMT_163 (0%|0%|0%|0.00%)
SP66 Catonella morbi (0.39%|0.41%|0.33%|0.49%)
SP17 Lachnospiraceae_[G-2] bacterium_HMT_096 (0.98%|2.59%|1.86%|1.49%)
SP82 Butyrivibrio sp._HMT_455 (0.12%|0.10%|0.06%|0.10%)
SP89 Stomatobaculum longum (0.22%|0.34%|0.46%|0.28%)
SP64 Stomatobaculum sp._HMT_097 (1.03%|0.98%|0.87%|0.85%)
SP90 Oribacterium sinus (0.74%|0.57%|0.87%|0.85%)
SP8 Oribacterium parvum (0.11%|0.12%|0.10%|0.10%)
SP41 Lachnospiraceae_[G-3] bacterium_HMT_100 (0.44%|0.25%|0.10%|0.42%)
SP70 Lachnoanaerobaculum saburreum (0.09%|0.07%|0.03%|0.11%)
SP62 Lachnoanaerobaculum orale (0.73%|0.88%|0.94%|0.80%)
SP91 Lachnoanaerobaculum umeaense (0%|0.01%|0%|0.01%)
SP43 Lachnoanaerobaculum gingivalis (0.42%|0.40%|0.37%|0.51%)
B
D
C
A
substitutions/site
0
0.2
0.4
0.6
0.8