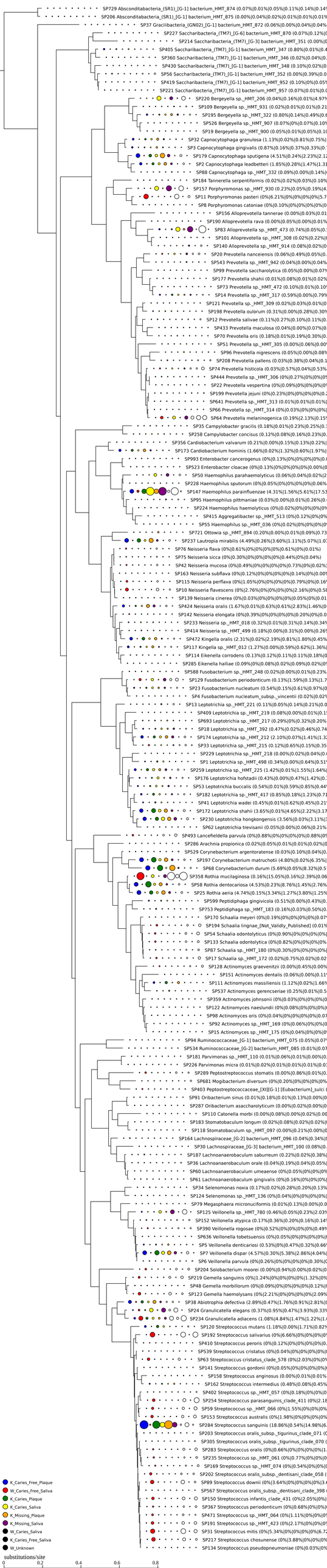
SP729 Absconditabacteria_(SR1)_[G-1] bacterium_HMT_874 (0.07%|0.01%|0.05%|0.11%|0.14%|0.14
SP206 Absconditabacteria_(SR1)_[G-1] bacterium_HMT_875 (0.00%|0.04%|0.02%|0.01%|0.01%|0.01%
SP37 Gracilibacteria_(GN02)_[G-1] bacterium_HMT_872 (0.00%|0.00%|0.04%|0.04%
SP227 Saccharibacteria_(TM7)_[G-6] bacterium_HMT_870 (0.00%|0.12%|0
SP214 Saccharibacteria_(TM7)_[G-3] bacterium_HMT_351 (0.00%|0
SP405 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_347 (0.80%|0.01%|0.4
SP360 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_346 (0.02%|0.04%|0.
SP430 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_348 (0.10%|0.02%|0
SP56 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_352 (0.00%|0.39%|0.0
SP419 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_952 (0.10%|0%|0.05
SP221 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_957 (0.07%|0.01%|0.0
SP220 Bergeyella sp._HMT_206 (0.04%|0.16%|0.01%|4.97
SP109 Bergeyella sp._HMT_931 (0.02%|0.01%|0.01%|0.21
SP195 Bergeyella sp._HMT_322 (0.80%|0.14%|0.49%|0.6
SP526 Bergeyella sp._HMT_907 (0.07%|0%|0.07%|0.10
SP19 Bergeyella sp._HMT_900 (0.05%|0.01%|0.05%|0.10
SP32 Capnocytophaga granulosa (1.13%|0.02%|0.81%|0.75%
SP3 Capnocytophaga gingivalis (0.87%|0.16%|0.37%|0.33%|0.
SP179 Capnocytophaga sputigena (4.51%|0.24%|2.23%|2.1
SP2 Capnocytophaga leadbetteri (1.85%|0.28%|1.47%|1.33
SP88 Capnocytophaga sp._HMT_332 (0.09%|0.00%|0.14%
SP184 Tannerella serpentiformis (0.02%|0.02%|0.03%|0.10%
SP157 Porphyromonas sp._HMT_930 (0.23%|0.05%|0.19%|4.
SP11 Porphyromonas pasteri (0%|6.21%|0%|0%|0%|5.7
SP8 Porphyromonas catoniae (0%|0.10%|0%|0%|0%|0%|0
SP156 Alloprevotella tannerae (0.00%|0.03%|0.01
SP190 Alloprevotella rava (0.00%|0.05%|0.00%|0.01%
SP83 Alloprevotella sp._HMT_473 (0.74%|0.05%|0.
SP301 Alloprevotella sp._HMT_308 (0.02%|0.22%|0
SP140 Alloprevotella sp._HMT_914 (0.08%|0.02%|0
SP20 Prevotella nanceiensis (0.06%|0.49%|0.05%|0.
SP543 Prevotella sp._HMT_942 (0.04%|0.00%|0.04%
SP99 Prevotella saccharolytica (0.05%|0.00%|0.07%
SP177 Prevotella shahii (0.01%|0.08%|0.01%|0.02%
SP73 Prevotella sp._HMT_472 (0.10%|0.01%|0.10%
SP14 Prevotella sp._HMT_317 (0.59%|0.00%|0.79%
SP121 Prevotella sp._HMT_309 (0.02%|0.03%|0.01%|0
SP198 Prevotella oulorum (0.31%|0.00%|0.28%|0.30%
SP12 Prevotella salivae (0.11%|0.27%|0.10%|0.11%|0.
SP433 Prevotella maculosa (0.04%|0.00%|0.07%|0.
SP70 Prevotella oris (0.18%|0.01%|0.19%|0.30%|0.
SP51 Prevotella sp._HMT_305 (0.00%|0.06%|0.00
SP96 Prevotella nigrescens (0.05%|0.00%|0.08%
SP208 Prevotella pallens (0.03%|0.38%|0.04%|0.1
SP74 Prevotella histicola (0.03%|0.57%|0.04%|0.53%
SP444 Prevotella sp._HMT_306 (0%|0.27%|0%|0%|0
SP22 Prevotella vespertina (0%|0.09%|0%|0%|0%|0
SP199 Prevotella jejuni (0%|0.23%|0%|0%|0%|0%|0.
SP641 Prevotella sp._HMT_313 (0.01%|0.01%|0.01%
SP66 Prevotella sp._HMT_314 (0%|0.03%|0%|0%|0%
SP64 Prevotella melaninogenica (0.19%|2.13%|0.15
SP35 Campylobacter gracilis (0.18%|0.01%|0.23%|0.25%|0.
SP258 Campylobacter concisus (0.12%|0.08%|0.16%|0.23%|0.
SP356 Cardiobacterium valvarum (0.21%|0.00%|0.15%|0.13%|0.22%
SP173 Cardiobacterium hominis (1.66%|0.01%|1.32%|0.60%|0.97%
SP993 Enterobacter cancerogenus (0%|0.13%|0%|0%|0%|0%|0.
SP523 Enterobacter cloacae (0%|0.13%|0%|0%|0%|0%|0.00%|0
SP50 Haemophilus parahaemolyticus (0.06%|0.04%|0.02%|2
SP228 Haemophilus sputorum (0%|0.05%|0%|0%|0%|0%|0.06%
SP147 Haemophilus parainfluenzae (4.31%|1.56%|5.61%|17.53
SP95 Haemophilus pittmaniae (0.03%|0.00%|0.01%|0.26%|0.
SP224 Haemophilus haemolyticus (0%|0.02%|0%|0%|0%|0%
SP415 Aggregatibacter sp._HMT_513 (0%|0.12%|0%|0%
SP55 Haemophilus sp._HMT_036 (0%|0.02%|0%|0%|0%|0
SP721 Ottowia sp._HMT_894 (0.20%|0.00%|0.01%|0.09%|0.73
SP237 Lautropia mirabilis (4.49%|0.26%|3.60%|1.11%|5.07%|1.0
SP76 Neisseria flava (0%|0.61%|0%|0%|0%|0%|0.61%|0%|0.01%
SP75 Neisseria sicca (0%|0.30%|0%|0%|0%|0%|0.44%|0%|0.04%
SP42 Neisseria mucosa (0%|0.49%|0%|0%|0%|0%|0.73%|0%|0.02%
SP163 Neisseria subflava (0%|0.12%|0%|0%|0%|0%|0.14%|0%|0.00
SP115 Neisseria perflava (0%|1.05%|0%|0%|0%|0%|0.79%|0%|0.16
SP10 Neisseria flavescens (0%|2.76%|0%|0%|0%|0%|2.16%|0%|0.5
SP139 Neisseria cinerea (0%|0.03%|0%|0%|0%|0%|0.05%|0%|0.01
SP424 Neisseria oralis (1.67%|0.01%|0.63%|0.61%|2.83%|1.46%|0
SP142 Neisseria elongata (0%|0.39%|0%|0%|0%|0%|0.20%|0%|0.0
SP233 Neisseria sp._HMT_018 (0.32%|0.01%|0.31%|0.14%|0.34
SP414 Neisseria sp._HMT_499 (0.18%|0.00%|0.31%|0.00%|0.26
SP472 Kingella oralis (2.31%|0.02%|2.19%|0.81%|1.80%|0.45%
SP117 Kingella sp._HMT_012 (1.27%|0.00%|0.59%|0.62%|1.36%
SP114 Eikenella corrodens (0.13%|0.12%|0.11%|0.11%|0.18%|0
SP285 Eikenella hallae (0.09%|0.08%|0.02%|0.09%|0.02%|0
SP588 Fusobacterium sp._HMT_248 (0.02%|0.00%|0.01%|0.23%
SP129 Fusobacterium periodonticum (0.13%|1.59%|0.13%|1.7
SP23 Fusobacterium nucleatum (0.54%|0.15%|0.61%|0.97%|0
SP4 Fusobacterium nucleatum_subsp._vincentii (0.02%|0.02%
SP13 Leptotrichia sp._HMT_221 (0.11%|0.05%|0.14%|0.21%|0.0
SP409 Leptotrichia sp._HMT_219 (0.08%|0.00%|0.01%|0.1
SP693 Leptotrichia sp._HMT_217 (0.29%|0%|0.32%|0.20%
SP18 Leptotrichia sp._HMT_392 (0.47%|0.02%|0.46%|0.74
SP174 Leptotrichia sp._HMT_212 (2.10%|0.07%|1.41%|1.32
SP33 Leptotrichia sp._HMT_215 (0.12%|0.65%|0.15%|0.35
SP229 Leptotrichia sp._HMT_218 (0.00%|0.02%|0.04%|0.0
SP1 Leptotrichia sp._HMT_498 (0.34%|0.00%|0.64%|0.51
SP259 Leptotrichia sp._HMT_225 (1.42%|0.01%|1.55%|1.64%
SP176 Leptotrichia hofstadii (0.43%|0.00%|0.47%|1.42%|0.
SP53 Leptotrichia buccalis (0.54%|0.01%|0.59%|0.85%|0.44
SP182 Leptotrichia sp._HMT_417 (0.85%|0.18%|1.23%|0.71
SP41 Leptotrichia wadei (0.45%|0.01%|0.62%|0.45%|0.21
SP172 Leptotrichia shahii (3.65%|0.01%|4.65%|2.22%|3.17
SP230 Leptotrichia hongkongensis (3.56%|0.03%|3.11%|3
SP62 Leptotrichia trevisanii (0.05%|0.00%|0.06%|0.21%
SP493 Lancefieldella parvula (0%|0.88%|0%|0%|0%|0%|0.88%|0%
SP286 Arachnia propionica (0.02%|0.05%|0.01%|0.01%|0.02%|0
SP529 Corynebacterium argentoratense (0.03%|0.10%|0.04%|0.
SP197 Corynebacterium matruchotii (4.80%|0.02%|6.35%|
SP68 Corynebacterium durum (5.80%|0.05%|8.32%|9.5
SP358 Rothia mucilaginosa (0.16%|15.05%|0.16%|2.39%|0.06
SP58 Rothia dentocariosa (4.53%|0.23%|8.76%|1.45%|2.76%
SP25 Rothia aeria (4.74%|0.15%|3.34%|1.27%|3.80%|1.25%
SP599 Peptidiphaga gingivicola (0.51%|0.00%|0.43%|0.
SP753 Peptidiphaga sp._HMT_183 (0.16%|0.03%|0.50%|0.
SP170 Schaalia meyeri (0%|0.19%|0%|0%|0%|0%|0.07
SP194 Schaalia lingnae_[Not_Validly_Published] (0.01%
SP54 Schaalia odontolyticus (0%|0.90%|0%|0%|0%|0%
SP133 Schaalia odontolytica (0%|0.82%|0%|0%|0%|0%
SP87 Schaalia sp._HMT_180 (0%|0.30%|0%|0%|0%|0%
SP17 Schaalia sp._HMT_172 (0.02%|0.75%|0.02%|0.02
SP128 Actinomyces graevenitzii (0.00%|0.45%|0.00%
SP151 Actinomyces dentalis (0.06%|0.00%|0.11
SP111 Actinomyces massiliensis (1.12%|0.02%|1.66
SP537 Actinomyces gerencseriae (0.25%|0.01%|0.5
SP359 Actinomyces johnsonii (0%|0.03%|0%|0%|0
SP122 Actinomyces naeslundii (0%|0.08%|0%|0%|0%
SP98 Actinomyces oris (0%|0.04%|0%|0%|0%|0.07
SP92 Actinomyces sp._HMT_169 (0%|0.06%|0%|0%|0
SP15 Actinomyces sp._HMT_175 (0%|0.04%|0%|0%|0
SP94 Ruminococcaceae_[G-1] bacterium_HMT_075 (0.05%|0.07
SP534 Ruminococcaceae_[G-2] bacterium_HMT_085 (0.01%|0.07
SP181 Parvimonas sp._HMT_110 (0.01%|0.06%|0.01%|0.00%|0.
SP226 Parvimonas micra (0.01%|0.02%|0.01%|0.01%|0.01%|0.2
SP289 Peptostreptococcus stomatis (0.86%|0.01%|0.
SP681 Mogibacterium diversum (0%|0.20%|0%|0%|0%|0
SP403 Peptostreptococcaceae_[XI][G-1] [Eubacterium]_sulci
SP91 Oribacterium sinus (0.01%|0.18%|0.01%|0.13%|0.00%|0
SP287 Oribacterium asaccharolyticum (0.00%|0.02%|0.00%|0
SP110 Catonella morbi (0.00%|0.08%|0.00%|0.02%|0.00
SP183 Stomatobaculum longum (0.02%|0.08%|0.02%|0.02%|0
SP118 Stomatobaculum sp._HMT_097 (0.00%|0.21%|0.00%|0
SP164 Lachnospiraceae_[G-2] bacterium_HMT_096 (0.04%|0.34%|0
SP30 Lachnospiraceae_[G-3] bacterium_HMT_100 (0.08%|0.
SP187 Lachnoanaerobaculum saburreum (0.22%|0.02%|0.38%
SP36 Lachnoanaerobaculum orale (0.04%|0.19%|0.04%|0.05%
SP60 Lachnoanaerobaculum umeaense (0%|0.05%|0%|0%|0%
SP61 Lachnoanaerobaculum gingivalis (0%|0.16%|0%|0%|0%
SP34 Selenomonas noxia (0.17%|0.02%|0.28%|0.20%|0.13%
SP124 Selenomonas sp._HMT_136 (0%|0.04%|0%|0%|0%|0%
SP79 Megasphaera micronuciformis (0.01%|0.13%|0.00%|0.0
SP125 Veillonella sp._HMT_780 (0.46%|0.05%|0.23%|2.03
SP152 Veillonella atypica (0.17%|0.36%|0.20%|0.16%|0.14
SP390 Veillonella rogosae (0%|0.52%|0%|0%|0%|0%|0.49
SP636 Veillonella tobetsuensis (0%|0.05%|0%|0%|0%|0%|0
SP5 Veillonella denticariosi (0.53%|0%|0.47%|0.32%|0.66
SP7 Veillonella dispar (4.57%|0.30%|5.38%|2.86%|4.04%
SP6 Veillonella parvula (0%|0.26%|0%|0%|0%|0.30%|0
SP204 Solobacterium moorei (0.00%|0.94%|0.00%|0.02%|0
SP219 Gemella sanguinis (0%|1.24%|0%|0%|0%|0%|1.32%|0%
SP48 Gemella morbillorum (0%|0.09%|0%|0%|0%|0%|0.12%|0
SP123 Gemella haemolysans (0%|2.21%|0%|0%|0%|0%|2.
SP38 Abiotrophia defectiva (2.89%|0.47%|1.76%|0.91%|2.81%|0
SP24 Granulicatella elegans (0.37%|0.95%|0.47%|3.93%|0.33
SP234 Granulicatella adiacens (1.08%|4.84%|1.47%|1.22%|1.0
SP120 Streptococcus mutans (1.18%|0.00%|1.71%|0.82
SP192 Streptococcus salivarius (0%|6.66%|0%|0%|0%|0%
SP410 Streptococcus peroris (0%|0.12%|0%|0%|0%|0%|0.
SP539 Streptococcus cristatus (0%|0.04%|0%|0%|0%|0%
SP63 Streptococcus cristatus_clade_578 (0%|2.03%|0%|0%
SP141 Streptococcus gordonii (0%|0.05%|0%|0%|0%|0%
SP158 Streptococcus anginosus (0.00%|0.01%|0.01%
SP162 Streptococcus intermedius (0.48%|0.08%|0.45%
SP402 Streptococcus sp._HMT_057 (0%|0.18%|0%|0%|0
SP254 Streptococcus parasanguinis_clade_411 (0%|2.18
SP59 Streptococcus sp._HMT_066 (0%|1.55%|0%|0%|0%
SP153 Streptococcus australis (0%|1.98%|0%|0%|0%|0%
SP284 Streptococcus sanguinis (18.86%|0.54%|14.98%|6.
SP203 Streptococcus oralis_subsp._tigurinus_clade_071 (
SP305 Streptococcus oralis_subsp._tigurinus_clade_070 (
SP283 Streptococcus oralis (0%|0.66%|0%|0%|0%|0%|1.
SP235 Streptococcus sp._HMT_061 (0%|0.77%|0%|0%|0
SP169 Streptococcus sp._HMT_074 (0%|3.64%|0%|0%|0%
SP202 Streptococcus oralis_subsp._dentisani_clade_058 (
SP89 Streptococcus downii (0%|3.64%|0%|0%|0%|0%|3.
SP567 Streptococcus oralis_subsp._dentisani_clade_398
SP150 Streptococcus infantis_clade_431 (0%|2.05%|0%
SP367 Streptococcus periodontium (0%|0.68%|0%|0%|
SP471 Streptococcus sp._HMT_064 (0%|1.11%|0%|0%|0
SP191 Streptococcus sp._HMT_423 (0%|2.17%|0%|0%|0
SP31 Streptococcus mitis (0%|5.34%|0%|0%|0%|0%|6.72
SP217 Streptococcus chosunense (0%|3.88%|0%|0%|0%
SP134 Streptococcus pseudopneumoniae (0%|0.03%|0%
K_Caries_Free_Plaque
W_Caries_Free_Saliva
K_Caries_Plaque
K_Caries_Saliva
K_Missing_Plaque
K_Missing_Saliva
W_Caries_Saliva
K_Caries_Free_Saliva
W_Unknown
substitutions/site
0.0
0.2
0.4
0.6
0.8