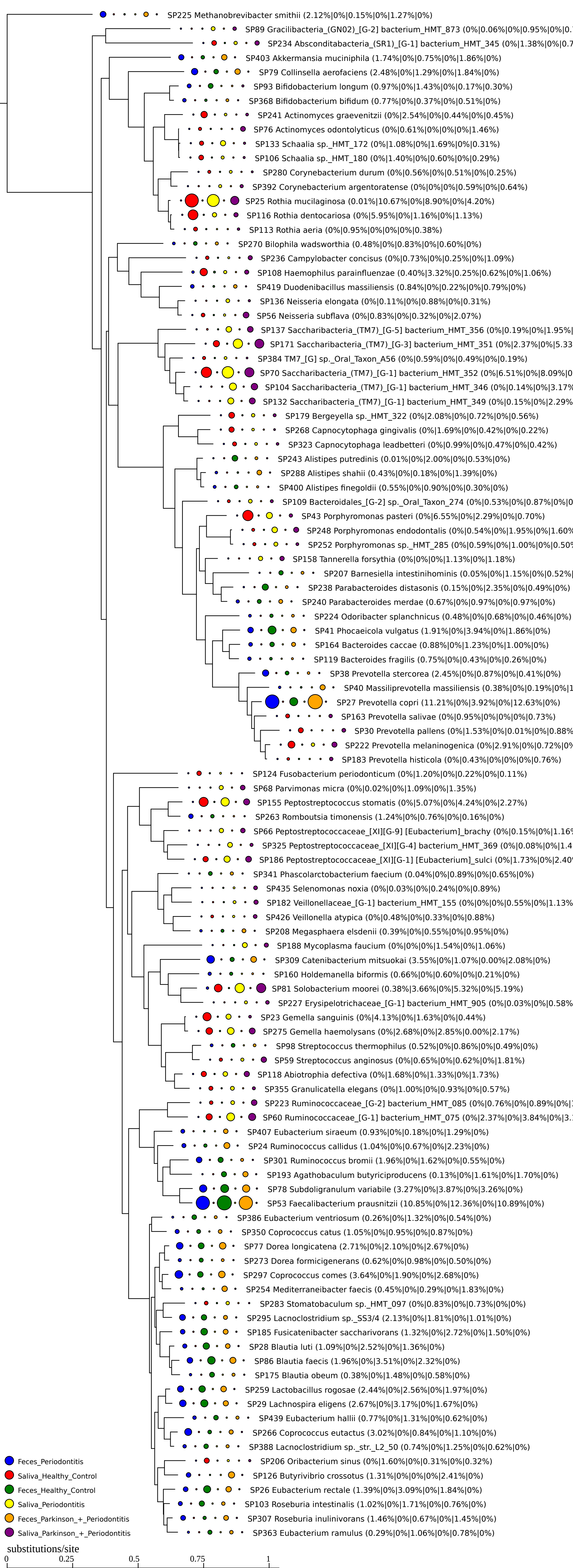
SP225 Methanobrevibacter smithii (2.12%|0%|0.15%|0%|1.27%|0%)
SP89 Gracilibacteria_(GN02)_[G-2] bacterium_HMT_873 (0%|0.06%|0%|0.95%|0%|0.
SP234 Absconditabacteria_(SR1)_[G-1] bacterium_HMT_345 (0%|1.38%|0%|0.7
SP403 Akkermansia muciniphila (1.74%|0%|0.75%|0%|1.86%|0%)
SP79 Collinsella aerofaciens (2.48%|0%|1.29%|0%|1.84%|0%)
SP93 Bifidobacterium longum (0.97%|0%|1.43%|0%|0.17%|0.30%)
SP368 Bifidobacterium bifidum (0.77%|0%|0.37%|0%|0.51%|0%)
SP241 Actinomyces graevenitzii (0%|2.54%|0%|0.44%|0%|0.45%)
SP76 Actinomyces odontolyticus (0%|0.61%|0%|0%|0%|1.46%)
SP133 Schaalia sp._HMT_172 (0%|1.08%|0%|1.69%|0%|0.31%)
SP106 Schaalia sp._HMT_180 (0%|1.40%|0%|0.60%|0%|0.29%)
SP280 Corynebacterium durum (0%|0.56%|0%|0.51%|0%|0.25%)
SP392 Corynebacterium argentoratense (0%|0%|0%|0.59%|0%|0.64%)
SP25 Rothia mucilaginosa (0.01%|10.67%|0%|8.90%|0%|4.20%)
SP116 Rothia dentocariosa (0%|5.95%|0%|1.16%|0%|1.13%)
SP113 Rothia aeria (0%|0.95%|0%|0%|0%|0.38%)
SP270 Bilophila wadsworthia (0.48%|0%|0.83%|0%|0.60%|0%)
SP236 Campylobacter concisus (0%|0.73%|0%|0.25%|0%|1.09%)
SP108 Haemophilus parainfluenzae (0.40%|3.32%|0.25%|0.62%|0%|1.06%)
SP419 Duodenibacillus massiliensis (0.84%|0%|0.22%|0%|0.79%|0%)
SP136 Neisseria elongata (0%|0.11%|0%|0.88%|0%|0.31%)
SP56 Neisseria subflava (0%|0.83%|0%|0.32%|0%|2.07%)
SP137 Saccharibacteria_(TM7)_[G-5] bacterium_HMT_356 (0%|0.19%|0%|1.95%|
SP171 Saccharibacteria_(TM7)_[G-3] bacterium_HMT_351 (0%|2.37%|0%|5.33
SP384 TM7_[G] sp._Oral_Taxon_A56 (0%|0.59%|0%|0.49%|0%|0.19%)
SP70 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_352 (0%|6.51%|0%|8.09%|0
SP104 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_346 (0%|0.14%|0%|3.17%
SP132 Saccharibacteria_(TM7)_[G-1] bacterium_HMT_349 (0%|0.15%|0%|2.29%
SP179 Bergeyella sp._HMT_322 (0%|2.08%|0%|0.72%|0%|0.56%)
SP268 Capnocytophaga gingivalis (0%|1.69%|0%|0.42%|0%|0.22%)
SP323 Capnocytophaga leadbetteri (0%|0.99%|0%|0.47%|0%|0.42%)
SP243 Alistipes putredinis (0.01%|0%|2.00%|0%|0.53%|0%)
SP288 Alistipes shahii (0.43%|0%|0.18%|0%|1.39%|0%)
SP400 Alistipes finegoldii (0.55%|0%|0.90%|0%|0.30%|0%)
SP109 Bacteroidales_[G-2] sp._Oral_Taxon_274 (0%|0.53%|0%|0.87%|0%|0
SP43 Porphyromonas pasteri (0%|6.55%|0%|2.29%|0%|0.70%)
SP248 Porphyromonas endodontalis (0%|0.54%|0%|1.95%|0%|1.60%
SP252 Porphyromonas sp._HMT_285 (0%|0.59%|0%|1.00%|0%|0.50%
SP158 Tannerella forsythia (0%|0%|0%|1.13%|0%|1.18%)
SP207 Barnesiella intestinihominis (0.05%|0%|1.15%|0%|0.52%|
SP238 Parabacteroides distasonis (0.15%|0%|2.35%|0%|0.49%|0%)
SP240 Parabacteroides merdae (0.67%|0%|0.97%|0%|0.97%|0%)
SP224 Odoribacter splanchnicus (0.48%|0%|0.68%|0%|0.46%|0%)
SP41 Phocaeicola vulgatus (1.91%|0%|3.94%|0%|1.86%|0%)
SP164 Bacteroides caccae (0.88%|0%|1.23%|0%|1.00%|0%)
SP119 Bacteroides fragilis (0.75%|0%|0.43%|0%|0.26%|0%)
SP38 Prevotella stercorea (2.45%|0%|0.87%|0%|0.41%|0%)
SP40 Massiliprevotella massiliensis (0.38%|0%|0.19%|0%|1
SP27 Prevotella copri (11.21%|0%|3.92%|0%|12.63%|0%)
SP163 Prevotella salivae (0%|0.95%|0%|0%|0%|0.73%)
SP30 Prevotella pallens (0%|1.53%|0%|0.01%|0%|0.88%
SP222 Prevotella melaninogenica (0%|2.91%|0%|0.72%|0%
SP183 Prevotella histicola (0%|0.43%|0%|0%|0%|0.76%)
SP124 Fusobacterium periodonticum (0%|1.20%|0%|0.22%|0%|0.11%)
SP68 Parvimonas micra (0%|0.02%|0%|1.09%|0%|1.35%)
SP155 Peptostreptococcus stomatis (0%|5.07%|0%|4.24%|0%|2.27%)
SP263 Romboutsia timonensis (1.24%|0%|0.76%|0%|0.16%|0%)
SP66 Peptostreptococcaceae_[XI][G-9] [Eubacterium]_brachy (0%|0.15%|0%|1.16%
SP325 Peptostreptococcaceae_[XI][G-4] bacterium_HMT_369 (0%|0.08%|0%|1.4
SP186 Peptostreptococcaceae_[XI][G-1] [Eubacterium]_sulci (0%|1.73%|0%|2.40
SP341 Phascolarctobacterium faecium (0.04%|0%|0.89%|0%|0.65%|0%)
SP435 Selenomonas noxia (0%|0.03%|0%|0.24%|0%|0.89%)
SP182 Veillonellaceae_[G-1] bacterium_HMT_155 (0%|0%|0%|0.55%|0%|1.13%
SP426 Veillonella atypica (0%|0.48%|0%|0.33%|0%|0.88%)
SP208 Megasphaera elsdenii (0.39%|0%|0.55%|0%|0.95%|0%)
SP188 Mycoplasma faucium (0%|0%|0%|1.54%|0%|1.06%)
SP309 Catenibacterium mitsuokai (3.55%|0%|1.07%|0.00%|2.08%|0%)
SP160 Holdemanella biformis (0.66%|0%|0.60%|0%|0.21%|0%)
SP81 Solobacterium moorei (0.38%|3.66%|0%|5.32%|0%|5.19%)
SP227 Erysipelotrichaceae_[G-1] bacterium_HMT_905 (0%|0.03%|0%|0.58%
SP23 Gemella sanguinis (0%|4.13%|0%|1.63%|0%|0.44%)
SP275 Gemella haemolysans (0%|2.68%|0%|2.85%|0.00%|2.17%)
SP98 Streptococcus thermophilus (0.52%|0%|0.86%|0%|0.49%|0%)
SP59 Streptococcus anginosus (0%|0.65%|0%|0.62%|0%|1.81%)
SP118 Abiotrophia defectiva (0%|1.68%|0%|1.33%|0%|1.73%)
SP355 Granulicatella elegans (0%|1.00%|0%|0.93%|0%|0.57%)
SP223 Ruminococcaceae_[G-2] bacterium_HMT_085 (0%|0.76%|0%|0.89%|0%|
SP60 Ruminococcaceae_[G-1] bacterium_HMT_075 (0%|2.37%|0%|3.84%|0%|3.
SP407 Eubacterium siraeum (0.93%|0%|0.18%|0%|1.29%|0%)
SP24 Ruminococcus callidus (1.04%|0%|0.67%|0%|2.23%|0%)
SP301 Ruminococcus bromii (1.96%|0%|1.62%|0%|0.55%|0%)
SP193 Agathobaculum butyriciproducens (0.13%|0%|1.61%|0%|1.70%|0%)
SP78 Subdoligranulum variabile (3.27%|0%|3.87%|0%|3.26%|0%)
SP53 Faecalibacterium prausnitzii (10.85%|0%|12.36%|0%|10.89%|0%)
SP386 Eubacterium ventriosum (0.26%|0%|1.32%|0%|0.54%|0%)
SP350 Coprococcus catus (1.05%|0%|0.95%|0%|0.87%|0%)
SP77 Dorea longicatena (2.71%|0%|2.10%|0%|2.67%|0%)
SP273 Dorea formicigenerans (0.62%|0%|0.98%|0%|0.50%|0%)
SP297 Coprococcus comes (3.64%|0%|1.90%|0%|2.68%|0%)
SP254 Mediterraneibacter faecis (0.45%|0%|0.29%|0%|1.83%|0%)
SP283 Stomatobaculum sp._HMT_097 (0%|0.83%|0%|0.73%|0%|0%)
SP295 Lacnoclostridium sp._SS3/4 (2.13%|0%|1.81%|0%|1.01%|0%)
SP185 Fusicatenibacter saccharivorans (1.32%|0%|2.72%|0%|1.50%|0%)
SP28 Blautia luti (1.09%|0%|2.52%|0%|1.36%|0%)
SP86 Blautia faecis (1.96%|0%|3.51%|0%|2.32%|0%)
SP175 Blautia obeum (0.38%|0%|1.48%|0%|0.58%|0%)
SP259 Lactobacillus rogosae (2.44%|0%|2.56%|0%|1.97%|0%)
SP29 Lachnospira eligens (2.67%|0%|3.17%|0%|1.67%|0%)
SP439 Eubacterium hallii (0.77%|0%|1.31%|0%|0.62%|0%)
SP266 Coprococcus eutactus (3.02%|0%|0.84%|0%|1.10%|0%)
SP388 Lacnoclostridium sp._str._L2_50 (0.74%|0%|1.25%|0%|0.62%|0%)
SP206 Oribacterium sinus (0%|1.60%|0%|0.31%|0%|0.32%)
SP126 Butyrivibrio crossotus (1.31%|0%|0%|0%|2.41%|0%)
SP26 Eubacterium rectale (1.39%|0%|3.09%|0%|1.84%|0%)
SP103 Roseburia intestinalis (1.02%|0%|1.71%|0%|0.76%|0%)
SP307 Roseburia inulinivorans (1.46%|0%|0.67%|0%|1.45%|0%)
SP363 Eubacterium ramulus (0.29%|0%|1.06%|0%|0.78%|0%)
Feces_Periodontitis
Saliva_Healthy_Control
Feces_Healthy_Control
Saliva_Periodontitis
Feces_Parkinson_+_Periodontitis
Saliva_Parkinson_+_Periodontitis
substitutions/site
0
0.25
0.5
0.75
1