SP144 Campylobacter concisus (0.04%0.03%0.01%0.02%)
SP231 Sphingomonas yunnanensis (0%0%0.00%0.00%)
SP52 Methylorubrum populi (0.01%0.08%0.00%0.00%)
SP272 Methylobacterium mesophilicum (0%0.00%0.00%0.00%)
SP254 Methylobacterium gnaviense (0%0.00%0.00%0.00%)
SP249 Paracoccus laevigluconivorans (0%0.01%0.00%0.00%)
SP162 Paracoccus mangrovi (0.00%0.01%0.01%0.00%)
SP30 Phyllobacterium myrsinacearum (55.72%32.12%0.06%4.70%)
SP394 Rhizobium undicolae (0%0.00%0.00%0.00%)
SP236 Rhizobium skiermiewicense (0.01%0.00%0.00%0.00%)
SP289 Cardiobacterium hominis (0.00%0.00%0.00%0.00%)
SP110 Turicimonas muris (0%0.01%0.02%0.02%)
SP5 Lautropia mirabilis (1.55%0.01%0.00%0.49%)
SP343 Kingella denitrificans (0.24%0.00%0.00%0.00%)
SP84 Neisseria sicca (9.36%0.01%0.00%0.19%)
SP221 Neisseria perflava (0.10%0.00%0.00%0.03%)
SP209 Neisseria subflava (0.14%0.00%0.00%0.00%)
SP101 Haloposaidomas xinjiangensis (0%0.00%0.00%0.00%)
SP313 Alishewanella jeotgali (0%0.00%0.00%0.00%)
SP267 Alishewanella alkaliolearens (0%0.00%0.00%0.00%)
SP158 Haemophilus sputorum (0.00%0.00%0.00%0.01%)
SP95 Haemophilus parainfluenzae (0.28%0.00%0.00%0.01%)
SP200 Haemophilus parahaemolyticus (0%0.00%0.00%0.00%)
SP436 Haemophilus haemolyticus (0%0.00%0.00%0.00%)
SP296 Pantoea agglomerans (0%0.00%0.00%0.00%)
SP238 Shigella sonnei (0%0.01%0.01%0.00%)
SP111 Escherichia coli (0%0.03%0.02%0.00%)
SP2 Escherichia fergusonii (0.00%0.01%0.01%0.00%)
SP3 Shigella boydii (0%0.00%0.00%0.00%)
SP320 Biophila wadsworthia (0%0.00%0.00%0.00%)
SP50 Mucispirillum schaedleri (0.01%0.27%0.07%0.04%)
SP18 Tritium aestivum (0.01%0.06%0.02%0.12%)
SP103 Actinidia eriantha (0.01%0.01%0.04%0.14%)
SP187 Akkermansia muciniphila (0%0.00%0.01%0.01%)
SP27 Thermus thermophilus (0.15%0.00%0.00%0.07%)
SP74 Capnocytophaga leadbetteri (0.01%0.01%0.00%0.00%)
SP153 Capnocytophaga sputigena (1.07%0.00%0.00%0.04%)
SP93 Alistipes sp._MOT-127 (0.00%0.07%0.06%0.16%)
SP32 Alistipes finegoldii (0%0.01%0.01%0.01%)
SP355 Butyricimonas virosa (0.00%0.00%0.00%0.00%)
SP89 Muribaculum sp._strain_J110 (0.01%0.00%0.00%0.01%)
SP106 Duncaniella freteri (0.01%0.07%0.10%0.13%)
SP45 Muribaculaceae_[G-1] bacterium_MOT-129 (0.01%0.00%0.00%0.01
SP68 Parabacteroides goldsteinii (0%0.01%0.00%0.01%)
SP279 Porphyromonas endodontalis (0%0.00%0.00%0.00%)
SP120 Porphyromonas pasteri (0.18%0.01%0.00%0.05%)
SP233 Porphyromonas gingivalis (0%0.00%0.00%0.00%)
SP96 Bacteroides uniformis (0%0.01%0.01%0.02%)
SP310 Bacteroides acidifaciens (0.01%0.00%0.00%0.00%)
SP128 Bacteroides xylanisolvens (0.00%0.01%0.01%0.01%)
SP85 Alloprevotella tannerae (0.01%0.00%0.00%0.00%)
SP398 Alloprevotella rava (0.00%0.00%0.00%0.00%)
SP347 Prevotella nanceiensis (0%0.00%0.00%0.00%)
SP92 Prevotella nigrescens (0.00%0.00%0.00%0.03%)
SP277 Prevotella palnens (0.05%0.00%0.00%0.00%)
SP205 Prevotella oris (0%0.00%0.00%0.00%)
SP151 Prevotella salivae (0.03%0.00%0.00%0.01%)
SP244 Prevotella multiformis (0%0.00%0.00%0.00%)
SP99 Prevotella buccae (0%0.00%0.00%0.00%)
SP8 Prevotella melaninogenica (0.13%0.00%0.00%0.10%)
SP23 Prevotella jejuni (0.33%0.02%0.01%0.03%)
SP73 Prevotella histicola (0.08%0.01%0.00%0.04%)
SP181 Prevotella vespertina (0.06%0.00%0.00%0.00%)
SP287 Lancefieldella parabuccalis (0.02%0.00%0.00%0.00%)
SP248 Eggerthella sp._strain_[D16-34] (0%0.00%0.00%0.00%)
SP402 Enterorhabdus sp._strain_[Z18] (0%0.00%0.00%0.00%)
SP69 Adlercreutzia caecimuris (0%0.01%0.01%0.03%)
SP130 Adlercreutzia muris (0%0.01%0.03%0.05%)
SP263 Bifidobacterium pseudolongum (0%0.00%0.00%0.00%)
SP270 Cutibacterium granulosum (0.32%0.00%0.01%0.00%)
SP33 Cutibacterium acnes (5.98%0.13%2.07%0.86%)
SP142 Arachnia propionica (0%0.00%0.00%0.01%)
SP131 Arachnia rubra (0.01%0.00%0.00%0.07%)
SP417 Tessaracoccus aquimaris (0%0.00%0.00%0.00%)
SP342 Luteococcus sedimentum (0%0.00%0.00%0.00%)
SP161 Micrococcus mucoposcinum (0.00%0.00%0.00%0.00%)
SP307 Lawsonella clevelandensis (0.17%0.00%0.00%0.02%)
SP172 Corynebacterium kroppenstedtii (0%0.00%0.00%0.00%)
SP255 Corynebacterium pilbarense (0%0.00%0.00%0.00%)
SP588 Corynebacterium doosanense (0%0.00%0.00%0.00%)
SP228 Corynebacterium tuberculosteariicum (0%0.00%0.00%0.00%)
SP332 Corynebacterium accolens (0%0.00%0.00%0.00%)
SP396 Actinomyces oris (0%0.00%0.00%0.00%)
SP91 Actinomyces naeslundii (0.00%0.00%0.00%0.08%)
SP346 Actinomyces polynesiensis (0%0.00%0.00%0.00%)
SP107 Schaalia odontolytica (0.13%0.00%0.00%0.03%)
SP404 Streptomyces daliensis (0%0.00%0.00%0.00%)
SP382 Cellulosimicrobium funkei (0%0.00%0.00%0.00%)
SP135 Dermacoccus nishinomiyaensis (0%0.00%0.00%0.00%)
SP516 Kytococcus sedentarius (0%0.00%0.00%0.00%)
SP411 Curtibacterium pusilum (0%0.00%0.00%0.00%)
SP117 Arthrobacter russicus (0.09%0.00%0.00%0.01%)
SP250 Micrococcus aloeverae (0%0.00%0.00%0.00%)
SP211 Micrococcus luteus (0.00%0.00%0.00%0.00%)
SP285 Kocuria rhizophila (0%0.00%0.00%0.00%)
SP168 Rothia mucilaginosa (0.24%0.00%0.00%0.02%)
SP49 Rothia dentocariosa (0.03%0.02%0.01%%1.12%)
SP113 Rothia aeria (0%0.00%0.00%0.00%)
SP94 Peptococcaceae_[G-1] bacterium_MOT-44 (0%0.00%0.00%0.01%)
SP393 Megasphaera micronuciformis (0.01%0.00%0.00%0.00%)
SP122 Veillonella atypica (0.15%0.04%0.01%0.06%)
SP56 Veillonella dispar (0.13%0.03%0.01%0.05%)
SP171 Veillonella tobetsuensis (0.01%0.00%0.00%0.00%)
SP21 Veillonella parvula (0.14%0.07%0.02%0.12%)
SP302 Dialcetabacteriales_[G-4] bacterium_MOT-165 (0.00%0.00%0.00%0.00%)
SP204 Dialcetabacteriales_[G-4] bacterium_MOT-164 (0%0.01%0.01%0.02%)
SP334 Eubacteriales_[G-3] bacterium_MOT-163 (0%0.00%0.00%0.00%)
SP125 Eubacteriales_[G-2] bacterium_MOT-162 (0.00%0.02%0.01%0.05%)
SP119 Eubacteriales_[G-1] bacterium_MOT-159 (0%0.01%0.02%0.04%)
SP36 Eubacteriales_[G-1] bacterium_MOT-161 (0.01%0.02%0.01%0.05%)
SP160 Eubacteriales_[G-1] bacterium_MOT-160 (0%0.00%0.00%0.01%)
SP9 Agathobaculum sp._strain_[137A] (0.00%0.01%0.01%0.01%)
SP203 Butyricicoccus sp._strain_[524-25] (0%0.01%0.01%0.01%)
SP65 Butyricicoccus sp._strain_[138A] (0%0.01%0.00%0.01%)
SP105 Neglecta sp._strain_[524-5] (0.01%0.01%0.01%0.01%)
SP97 Acutalibacter sp._strain_[1XD8-33] (0.00%0.01%0.00%0.01%)
SP141 Acutalibacter muris (0%0.00%0.00%0.01%)
SP163 Acutalibacter sp._strain_[1XD8-36] (0%0.01%0.00%0.00%)
SP15 Negativibacillus sp._strain_[1XD8-31] (0%0.00%0.00%0.01%)
SP80 Anaerotruncus sp._strain_[1XD42-93] (0%0.01%0.00%0.01%)
SP180 Oscillospiraceae_[G-6] bacterium_MOT-153 (0%0.01%0.00%0.02%)
SP11 Oscillospiraceae_[G-7] bacterium_MOT-154 (0.00%0.01%0.01%0.07%)
SP175 Oscillibacter sp._strain_[124A] (0%0.01%0.01%0.01%)
SP66 Oscillibacter sp._strain_[1XD8-11] (0.00%0.00%0.00%0.01%)
SP137 Oscillibacter sp._strain_[1XD8-13] (0.00%0.01%0.01%0.01%)
SP24 Oscillibacter sp._strain_[12Bx] (0.00%0.03%0.03%0.05%)
SP418 Oscillibacter sp._strain_[1XD8-74] (0%0.00%0.00%0.00%)
SP26 Oscillospiraceae_[G-3] bacterium_MOT-150 (0.00%0.03%0.02%0.03%)
SP348 Oscillospiraceae_[G-4] bacterium_MOT-151 (0%0.00%0.00%0.00%)
SP191 Anaerotignum sp._strain_[135x] (0.01%0.01%0.00%0.01%)
SP366 Intestinimonas sp._strain_[1XD42-67] (0%0.00%0.00%0.00%)
SP230 Colidextribacter sp._strain_[WV30-X31] (0%0.00%0.00%0.00%)
SP246 Intestinimonas sp._strain_[1XD8-27] (0%0.00%0.00%0.00%)
SP124 Flavonifractor sp._strain_[D16-29] (0.00%0.01%0.00%0.01%)
SP25 Fusobacterium periodonticum (0.03%0.01%0.00%0.03%)
SP82 Fusobacterium nucleatum (0.10%0.01%0.00%0.04%)
SP252 Erysipelatoclostridium [Clostridium]_cocleatum (0%0.01%0.01%0.01%)
SP397 Solobacterium moorei (0.01%0.00%0.00%0.00%)
SP79 Faecalibacillum rodentium (0.00%0.00%0.04%0.15%)
SP76 Ileibacterium valens (0%0.01%0.01%0.01%)
SP55 Erysipelotrichaceae_[G-1] bacterium_MOT-189 (0%0.01%0.00%0.01%)
SP170 Dubosiella newyorkensis (0%0.00%0.00%0.01%)
SP179 Paragebacillus toebii (0.22%0.00%0.00%0.00%)
SP253 Staphylococcus hominis (0.44%0.00%0.00%0.00%)
SP86 Mammaliicoccus sciuri (0%0.04%0.12%0.02%)
SP6 Ligilactobacillus murinus (0.16%1.44%1.25%2.06%)
SP183 Ligilactobacillus animalis (0%0.00%0.00%0.00%)
SP208 Limosilactobacillus vaginalis (0.00%0.00%0.00%0.00%)
SP29 Limosilactobacillus reuteri (0.06%0.29%0.33%0.86%)
SP81 Lactobacillus intestinalis (0.02%0.03%0.06%0.19%)
SP10 Lactobacillus johnsonii (0.05%0.37%0.44%0.77%)
SP133 Lactobacillus taiwanensis (0.00%0.00%0.00%0.01%)
SP78 Abiotrophia defectiva (2.58%0.01%0.00%0.11%)
SP129 Granulicatella adiacens (1.16%0.01%0.00%0.02%)
SP207 Granulicatella elegans (0%0.00%0.00%0.02%)
SP77 Trichococcus sherbakoviae (0%0.00%0.00%0.00%)
SP329 Trichococcus pasteurii (0%0.00%0.00%0.00%)
SP410 Alkalibacterium olivapoveliticus (0%0.00%0.00%0.00%)
SP132 Alkalibacterium pelagium (0.00%0.00%0.03%0.00%)
SP31 Enterococcus faecalis (0.00%0.12%0.04%0.00%)
SP157 Enterococcus casseliflavus (0%0.00%0.00%0.00%)
SP44 Enterococcus gallinarum (0.00%0.03%0.05%0.00%)
SP63 Tetragenococcus halophilus (0.21%0.00%0.00%0.00%)
SP139 Enterococcus camelliae (0%0.01%0.01%0.00%)
SP53 Enterococcus olivae (0%0.01%0.01%0.00%)
SP339 Streptococcus mutans (0.00%0.00%0.00%0.00%)
SP1 Streptococcus danielae (9.60%93.50%1.58%82.63%)
SP16 Streptococcus sp._MOT-012 (0.02%0.15%0.34%0.08%)
SP64 Streptococcus gordonii (0.01%0.01%0.00%0.02%)
SP340 Streptococcus intermedius (0%0.00%0.00%0.00%)
SP159 Streptococcus anginosus (0%0.00%0.00%0.00%)
SP15 Streptococcus salivarius (1.15%0.12%0.04%0.27%)
SP90 Streptococcus thermophilus (0%0.00%0.00%0.00%)
SP216 Streptococcus lactarius (0.01%0.00%0.00%0.00%)
SP148 Streptococcus peroris (0.00%0.00%0.00%0.01%)
SP109 Streptococcus sanguinis (1.58%0.01%0.00%0.06%)
SP19 Streptococcus cristatus (0.08%0.03%0.00%0.03%)
SP100 Streptococcus australis (0.05%0.00%0.00%0.01%)
SP104 Streptococcus rubneri (0.03%0.00%0.00%0.01%)
SP48 Streptococcus koreensis (0.06%0.00%0.00%0.00%)
SP67 Streptococcus parasanguinis (0.14%0.04%0.01%0.08%)
SP37 Streptococcus oralis (0.45%0.07%0.01%0.12%)
SP121 Streptococcus downii (0.31%0.00%0.00%0.02%)
SP40 Streptococcus periodonticum (0.09%0.01%0.00%0.01%)
SP34 Streptococcus infantis (0.30%0.02%0.01%0.13%)
SP59 Streptococcus mitis (0.34%0.01%0.00%0.07%)
SP58 Streptococcus pseudopneumoniae (0.01%0.00%0.00%0.00%)
SP61 Streptococcus chosunense (2.81%0.08%0.02%0.12%)
SP273 Clostridium chromireducens (0%0.00%0.00%0.00%)
SP330 Clostridium disporicum (0%0.00%0.00%0.00%)
SP264 Finegoldia magna (0%0.00%0.00%0.00%)
SP601 Peptoniphilus lacydonensis (0%0.00%0.00%0.00%)
SP75 Peptostreptococcus stomatis (0%0.01%0.00%0.03%)
SP219 Inhabacter sp._strain_[D2-1X-50] (0%0.00%0.00%0.01%)
SP87 Inhabacter sp._strain_[D2-1X-10] (0%0.00%0.00%0.00%)
SP327 Anaerovorax sp._strain_[CHZ-08-79] (0%0.00%0.00%0.00%)
SP202 Mogibacterium vescum (0.02%0.01%0.00%0.01%)
SP214 Anaerotignum sp._strain_[D2-1X-45] (0.00%0.00%0.00%0.01%)
SP83 Catonella morbi (0.00%0.02%0.00%0.01%)
SP210 Lachnospiraceae_[G-1] bacterium_MOT-166 (0%0.00%0.01%0.01%)
SP112 Oribacterium sinus (0.00%0.00%0.00%0.00%)
SP173 Oribacterium asaccharolyticum (0.01%0.00%0.00%0.00%)
SP136 Lachnoanaerobaculum gingivalis (0%0.00%0.00%0.00%)
SP188 Lachnoanaerobaculum orale (0.00%0.00%0.00%0.00%)
SP140 Lachnospiraceae_[G-9] bacterium_MOT-174 (0%0.01%0.01%0.02%)
SP38 Lachnospiraceae_[G-11] bacterium_MOT-177 (0.01%0.04%0.04%0.05%)
SP154 Lachnospiraceae_[G-11] bacterium_MOT-178 (0.00%0.02%0.03%0.03%)
SP54 Lachnospiraceae_[G-13] bacterium_MOT-181 (0.00%0.01%0.02%0.02%)
SP39 Lachnospiraceae_[G-14] bacterium_MOT-184 (0%0.08%0.06%0.11%)
SP17 Lachnospiraceae_[G-14] bacterium_MOT-185 (0.05%0.02%0.02%0.47%)
SP278 Eisenbergiella sp._strain_[D2-1X-87] (0%0.00%0.00%0.00%)
SP206 Kineothrix sp._strain_[80x] (0%0.00%0.00%0.00%)
SP70 Eisenbergiella sp._strain_[1XD42-11] (0%0.00%0.00%0.00%)
SP51 Eisenbergiella sp._strain_[1XD8-42] (0.01%0.00%0.00%0.00%)
SP189 Tyzzerella sp._strain_[1XD42-41] (0.01%0.01%0.01%0.02%)
SP165 Acetatifactor sp._strain_[1XD8-48] (0%0.02%0.01%0.02%)
SP12 Kineothrix sp._strain_[1XD8-87] (0.00%0.02%0.01%0.04%)
SP152 Acetatifactor sp._strain_[D-1X-08-82] (0%0.01%0.00%0.01%)
SP245 Acetatifactor sp._strain_[1XD42-44] (0%0.00%0.00%0.00%)
SP88 Acetatifactor muris (0%0.00%0.00%0.00%)
SP108 Lachnoclostridium sp._strain_[1XD42-76] (0.00%0.01%0.01%0.02%)
SP328 Lachnospiraceae_[G-6] bacterium_MOT-171 (0%0.00%0.00%0.00%)
SP4 Anaerotignum sp._strain_[D2-1X-72] (0.01%0.04%0.04%0.13%)
SP118 Anaerotignum sp._strain_[X10] (0.00%0.01%0.00%0.02%)
SP7 Anaerotignum sp._strain_[D16-54] (0%0.03%0.01%0.04%)
SP182 Lachnospiraceae_[G-2] bacterium_MOT-167 (0%0.01%0.01%0.01%)
SP126 Robinsoniella sp._strain_[D2-1X-13] (0%0.02%0.01%0.03%)
SP155 Lachnospiraceae_[G-5] bacterium_MOT-170 (0.00%0.00%0.00%0.01%)
SP286 Lachnoclostridium sp._strain_[1XD42-54] (0%0.00%0.00%0.01%)
SP76 Abiella sp._strain_[1XD42-72] (0%0.01%0.01%0.02%)
SP256 Lachnospiraceae_[G-3] bacterium_MOT-168 (0%0.00%0.00%0.00%)
SP7 Mordavella sp._strain_[D2-1X-71] (0.02%0.13%0.07%0.26%)
SP13 Anaerotignum sp._strain_[1XD42-85] (0.01%0.08%0.04%0.18%)
SP43 Ruminococcus sp._strain_[C-28] (0.00%0.05%0.03%0.04%)
SP22 Coprococcus sp._strain_[1XD21-23] (0.00%0.03%0.02%0.05%)
SP127 Lachnospiraceae_[G-8] bacterium_MOT-173 (0%0.00%0.00%0.01%)
SP352 Roseburia sp._strain_[1XD42-69] (0%0.00%0.00%0.00%)
SP178 Murimonas sp._strain_[1X2X] (0%0.00%0.00%0.00%)
SP583 Murimonas sp._strain_[0_1XD8-93] (0.00%0.00%0.00%0.00%)
SP134 Roseburia sp._strain_[MGB-1] (0%0.01%0.01%0.01%)
SP14 Marvinbryantia sp._strain_[D2-1X-79] (0.01%0.01%0.00%0.38%)
SP20 Anaerobium sp._strain_[C-37] (0.00%0.03%0.03%0.07%)
SP116 Anaerostipes sp._strain_[1XD8-6] (0.00%0.00%0.00%0.00%)
SP88 Acetivibrio sp._strain_[1XD42-2] (0.01%0.00%0.00%0.00%)
NC
Baseline
Day_10
Day_5
Substitutions/site
0.2
0.4
0.6
0.8