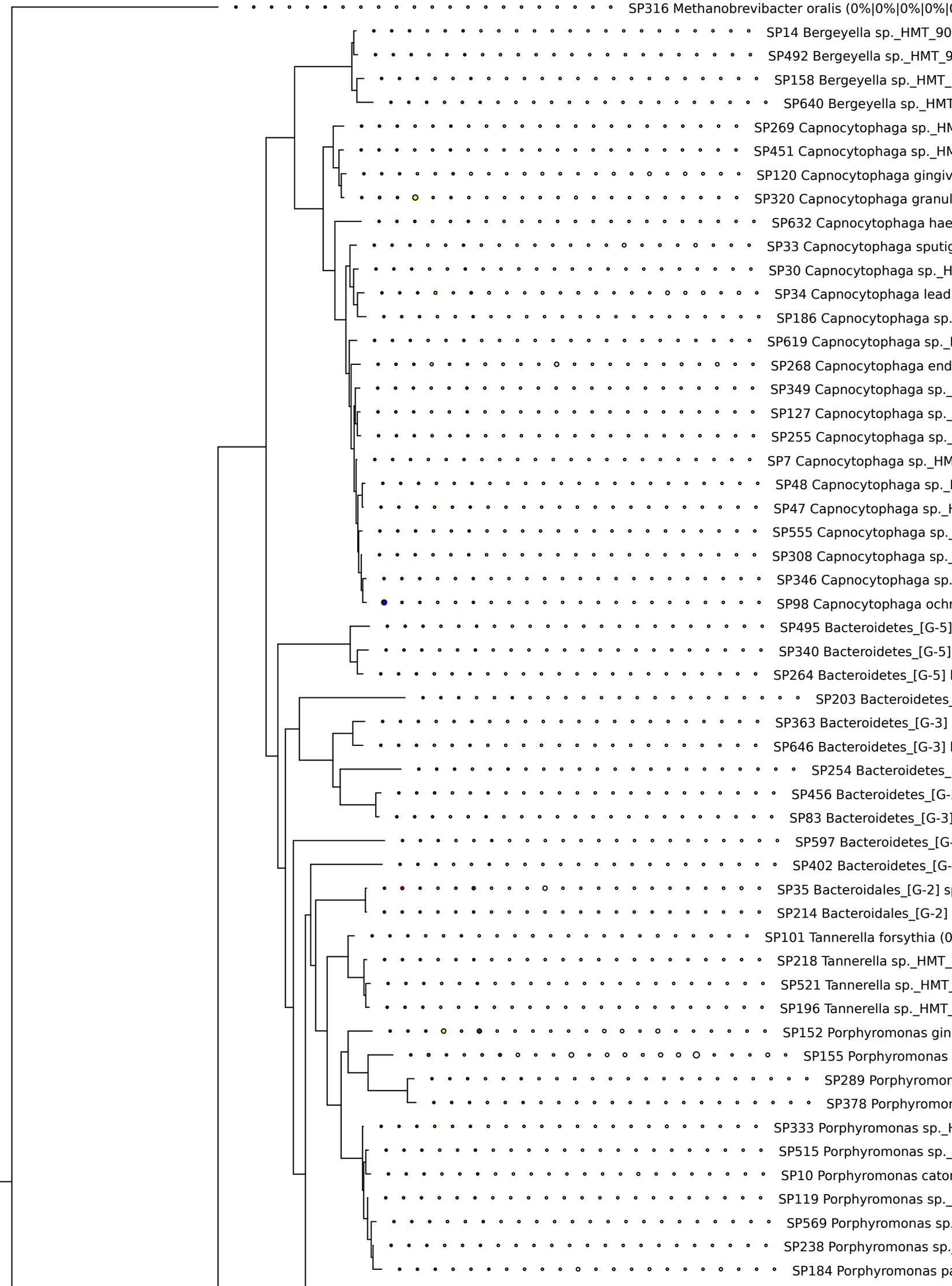
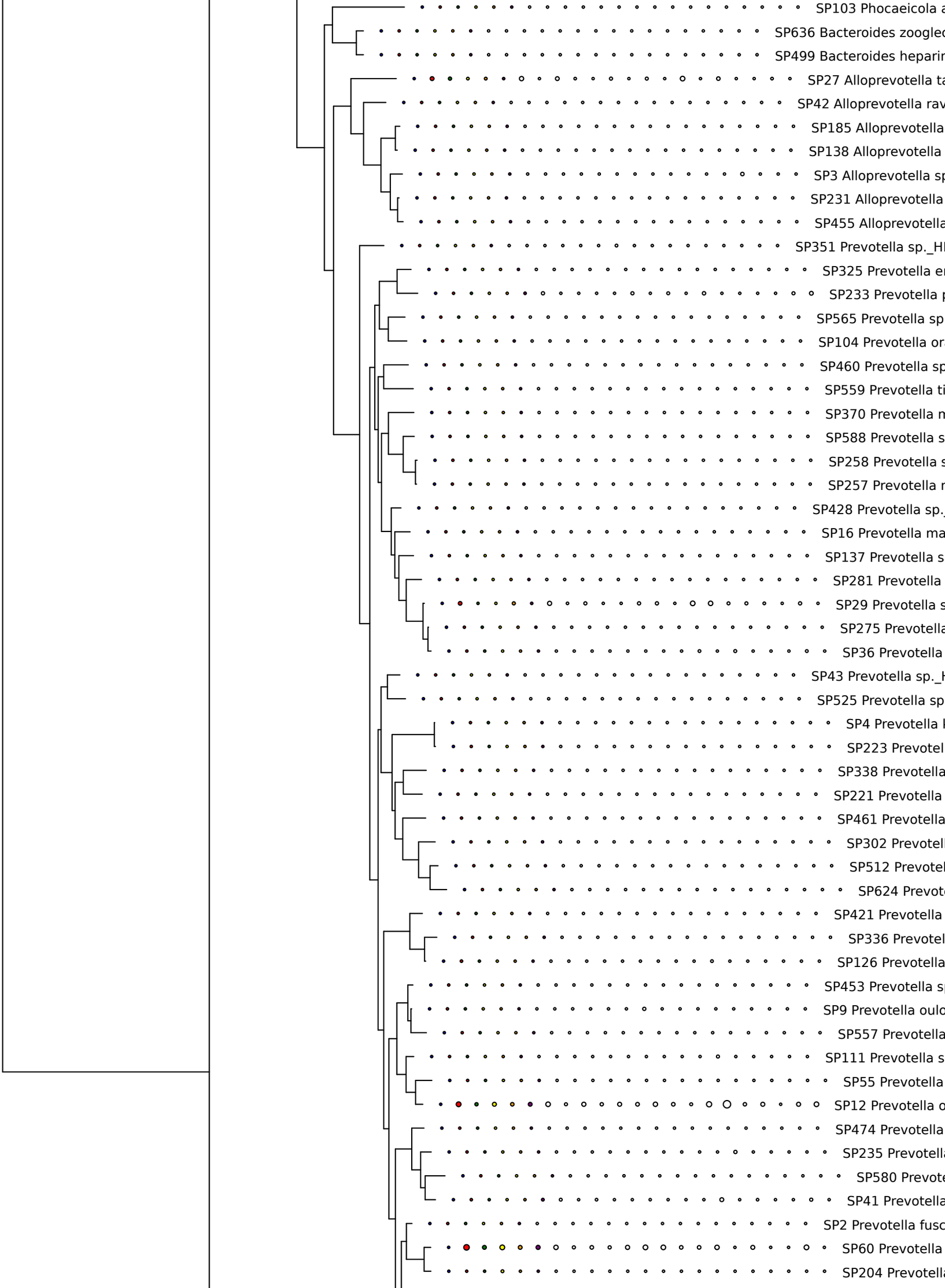
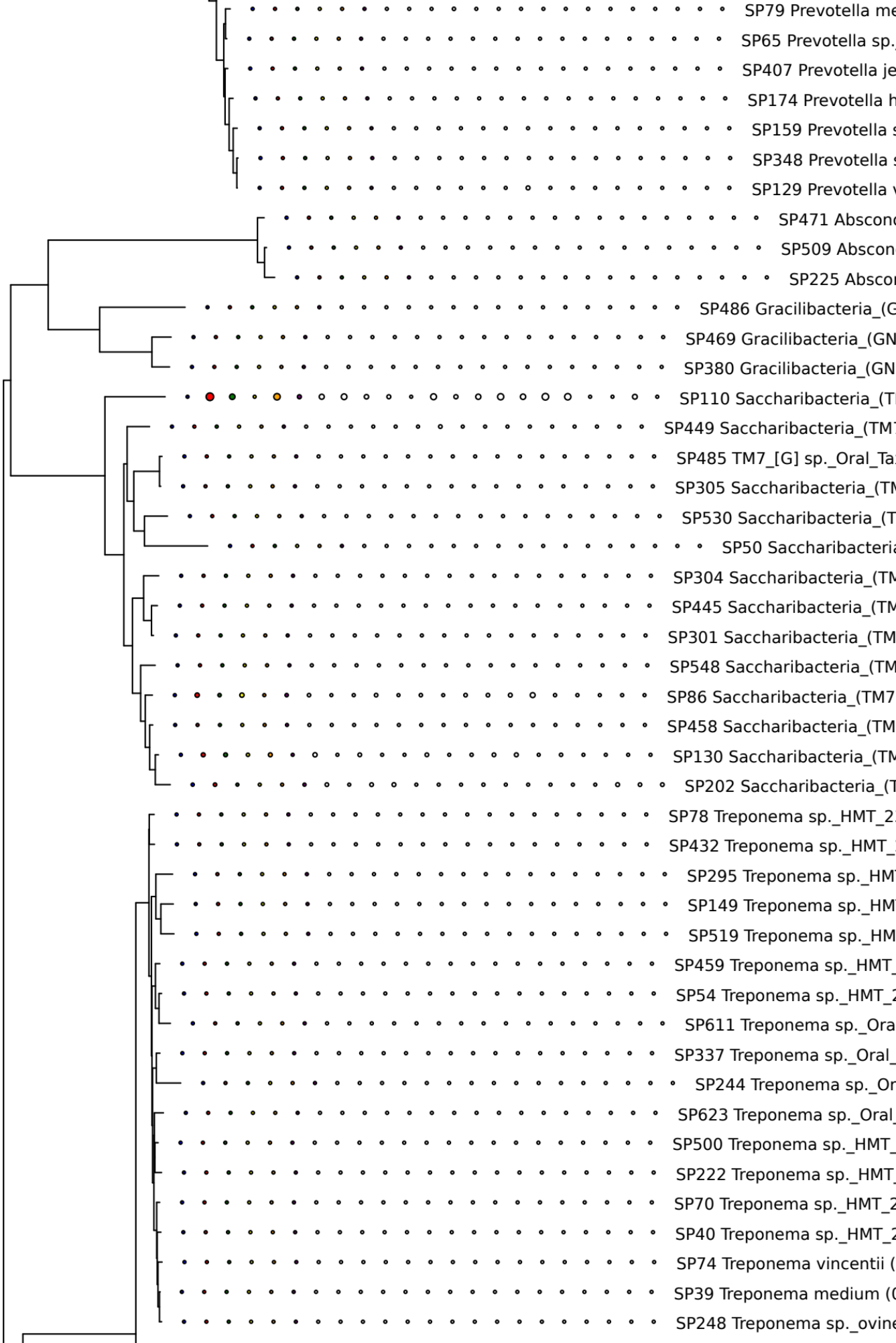
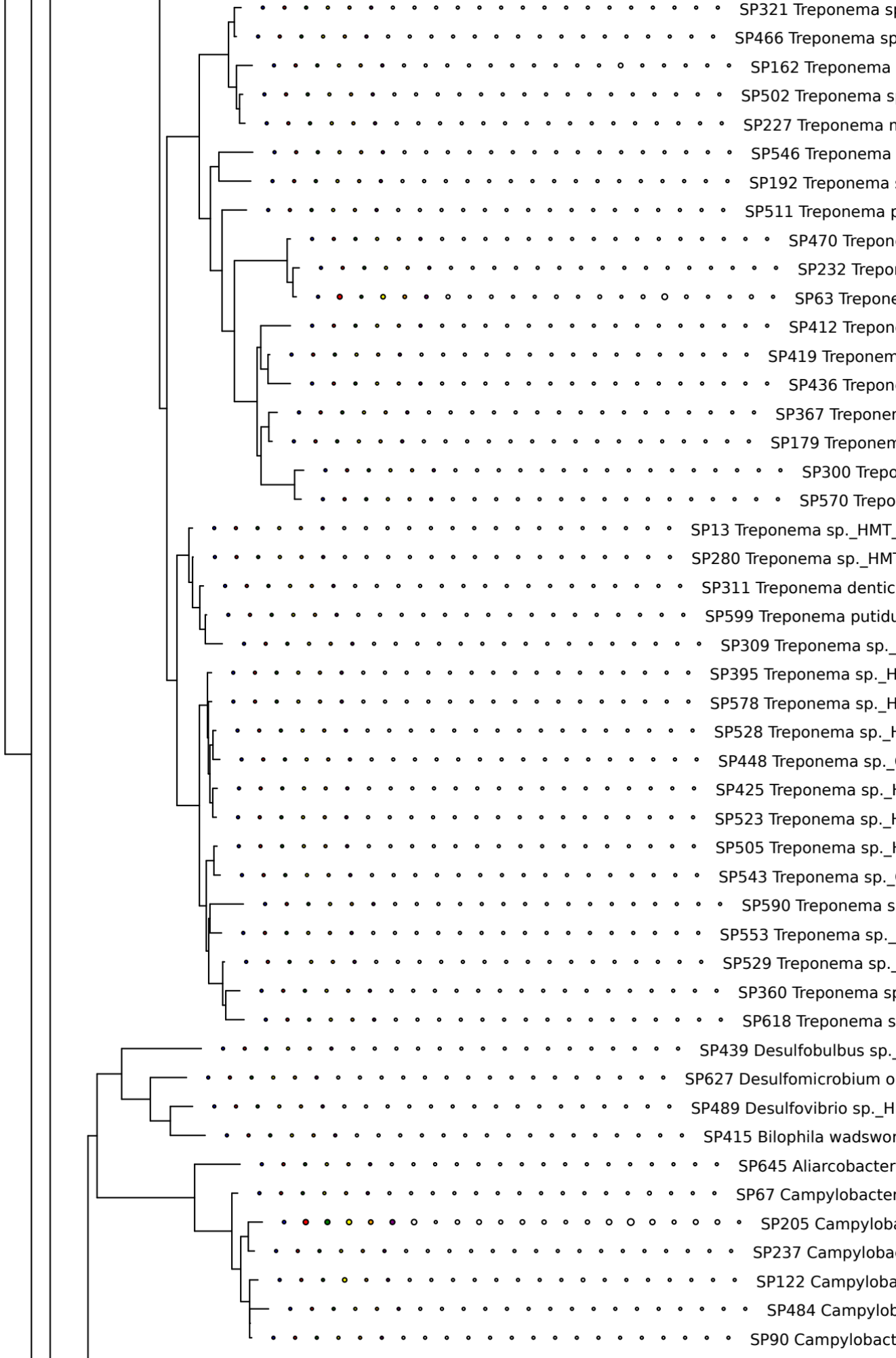
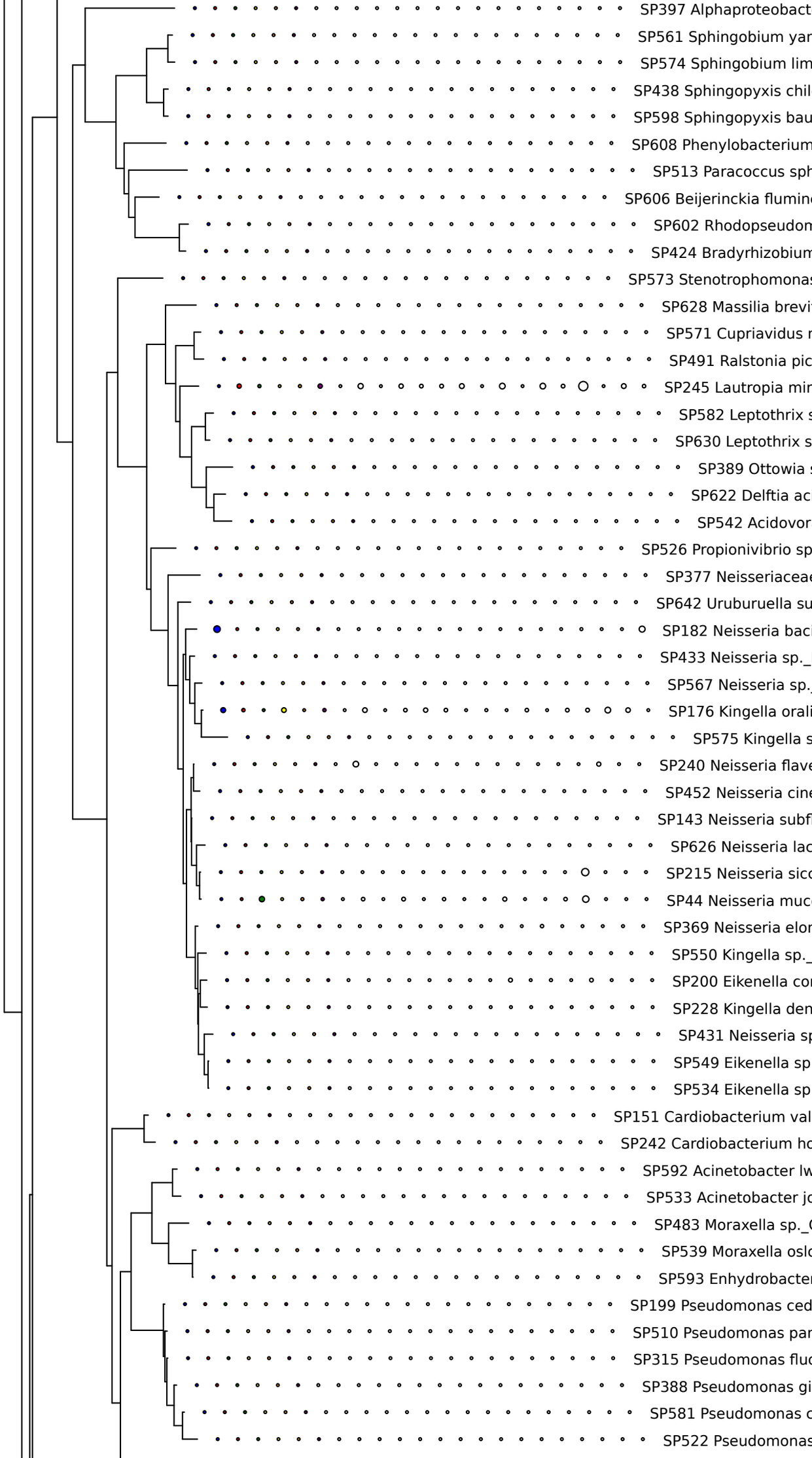
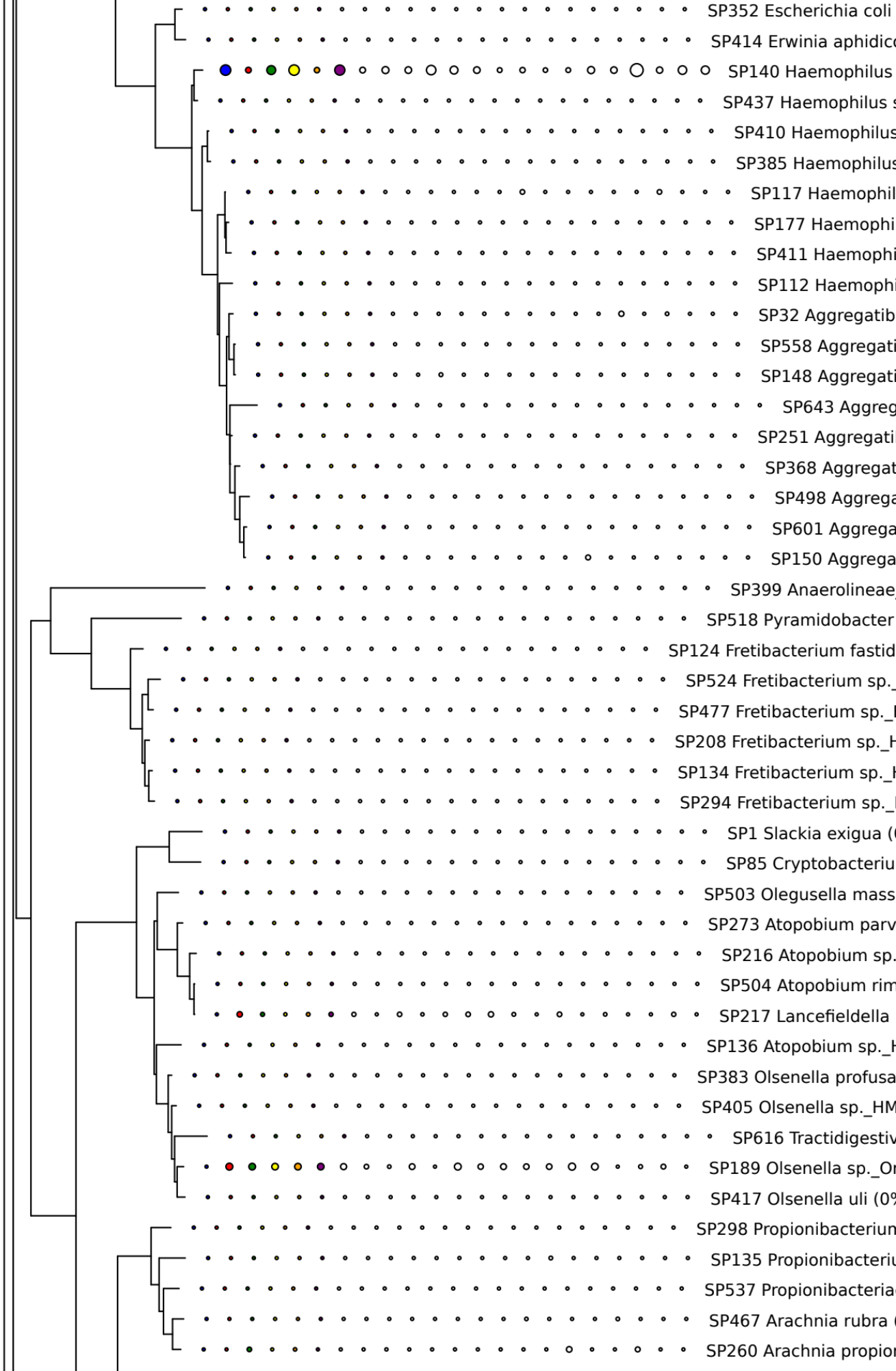

SP316 Methanobrevibacter oralis (0%|0%|0%|0%|0
SP14 Bergeyella sp._HMT_90
SP492 Bergeyella sp._HMT_9
SP158 Bergeyella sp._HMT_
SP640 Bergeyella sp._HMT
SP269 Capnocytophaga sp._HM
SP451 Capnocytophaga sp._HM
SP120 Capnocytophaga gingiv
SP320 Capnocytophaga granul
SP632 Capnocytophaga hae
SP33 Capnocytophaga sputig
SP30 Capnocytophaga sp._H
SP34 Capnocytophaga lead
SP186 Capnocytophaga sp.
SP619 Capnocytophaga sp._
SP268 Capnocytophaga end
SP349 Capnocytophaga sp._
SP127 Capnocytophaga sp._
SP255 Capnocytophaga sp._
SP7 Capnocytophaga sp._HM
SP48 Capnocytophaga sp._
SP47 Capnocytophaga sp._H
SP555 Capnocytophaga sp._
SP308 Capnocytophaga sp._
SP346 Capnocytophaga sp.
SP98 Capnocytophaga ochr
SP495 Bacteroidetes_[G-5]
SP340 Bacteroidetes_[G-5]
SP264 Bacteroidetes_[G-5]
SP203 Bacteroidetes_
SP363 Bacteroidetes_[G-3]
SP646 Bacteroidetes_[G-3]
SP254 Bacteroidetes_
SP456 Bacteroidetes_[G-
SP83 Bacteroidetes_[G-3]
SP597 Bacteroidetes_[G-
SP402 Bacteroidetes_[G-
SP35 Bacteroidales_[G-2] s
SP214 Bacteroidales_[G-2]
SP101 Tannerella forsythia (0
SP218 Tannerella sp._HMT_
SP521 Tannerella sp._HMT_
SP196 Tannerella sp._HMT_
SP152 Porphyromonas gin
SP155 Porphyromonas
SP289 Porphyromon
SP378 Porphyromon
SP333 Porphyromonas sp._H
SP515 Porphyromonas sp._
SP10 Porphyromonas cato
SP119 Porphyromonas sp._
SP569 Porphyromonas sp.
SP238 Porphyromonas sp.
SP184 Porphyromonas pa

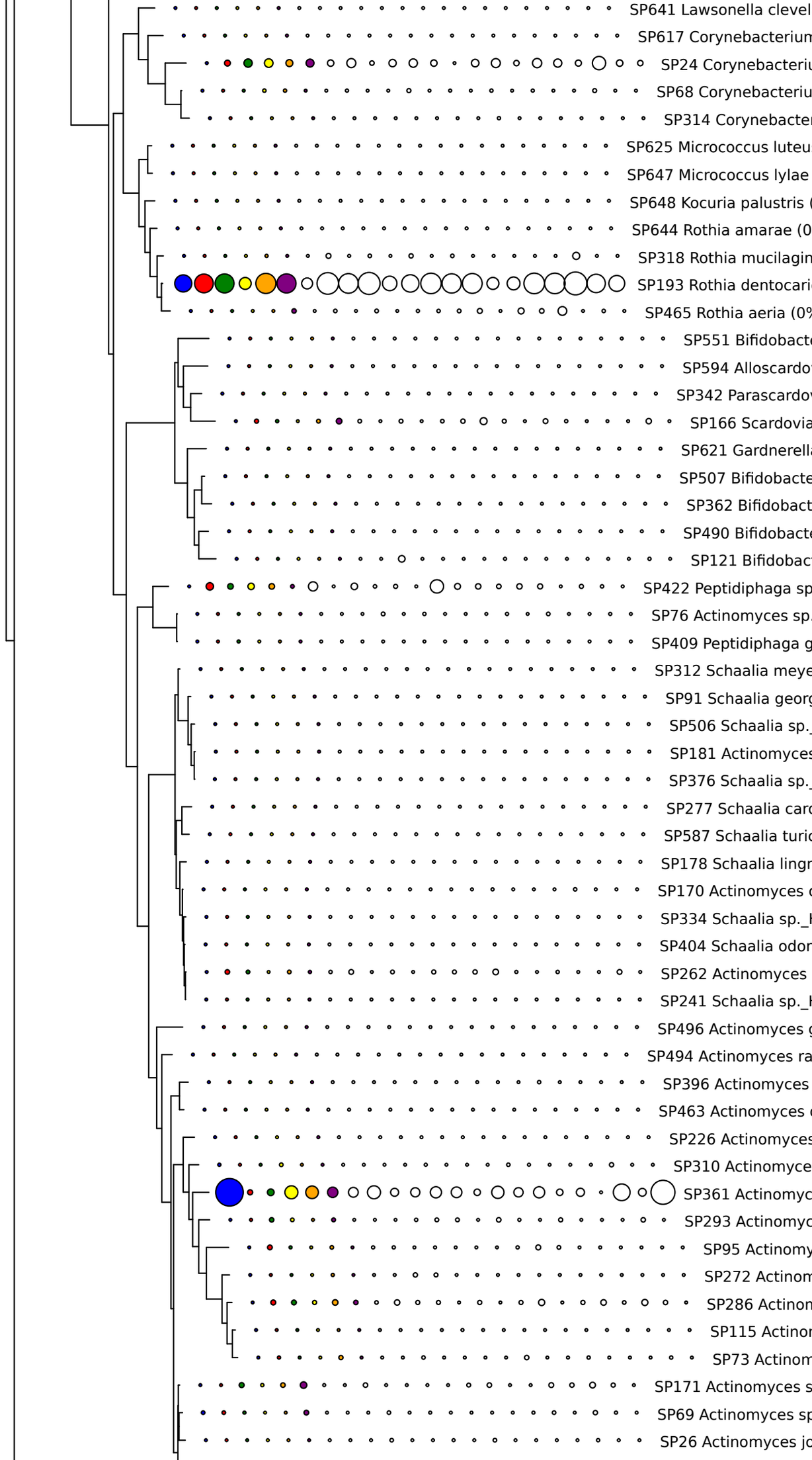

SP103 Phocaeicola a
SP636 Bacteroides zoogleo
SP499 Bacteroides heparin
SP27 Alloprevotella ta
SP42 Alloprevotella rav
SP185 Alloprevotella
SP138 Alloprevotella
SP3 Alloprevotella sp
SP231 Alloprevotella
SP455 Alloprevotella
SP351 Prevotella sp._H
SP325 Prevotella e
SP233 Prevotella p
SP565 Prevotella sp
SP104 Prevotella or
SP460 Prevotella sp
SP559 Prevotella ti
SP370 Prevotella n
SP588 Prevotella s
SP258 Prevotella s
SP257 Prevotella r
SP428 Prevotella sp.
SP16 Prevotella ma
SP137 Prevotella s
SP281 Prevotella
SP29 Prevotella s
SP275 Prevotella
SP36 Prevotella
SP43 Prevotella sp._H
SP525 Prevotella sp
SP4 Prevotella
SP223 Prevotel
SP338 Prevotella
SP221 Prevotella
SP461 Prevotella
SP302 Prevotel
SP512 Prevotel
SP624 Prevot
SP421 Prevotella
SP336 Prevotel
SP126 Prevotella
SP453 Prevotella sp
SP9 Prevotella oulo
SP557 Prevotella
SP111 Prevotella s
SP55 Prevotella
SP12 Prevotella o
SP474 Prevotella
SP235 Prevotella
SP580 Prevote
SP41 Prevotella
SP2 Prevotella fusc
SP60 Prevotella
SP204 Prevotella

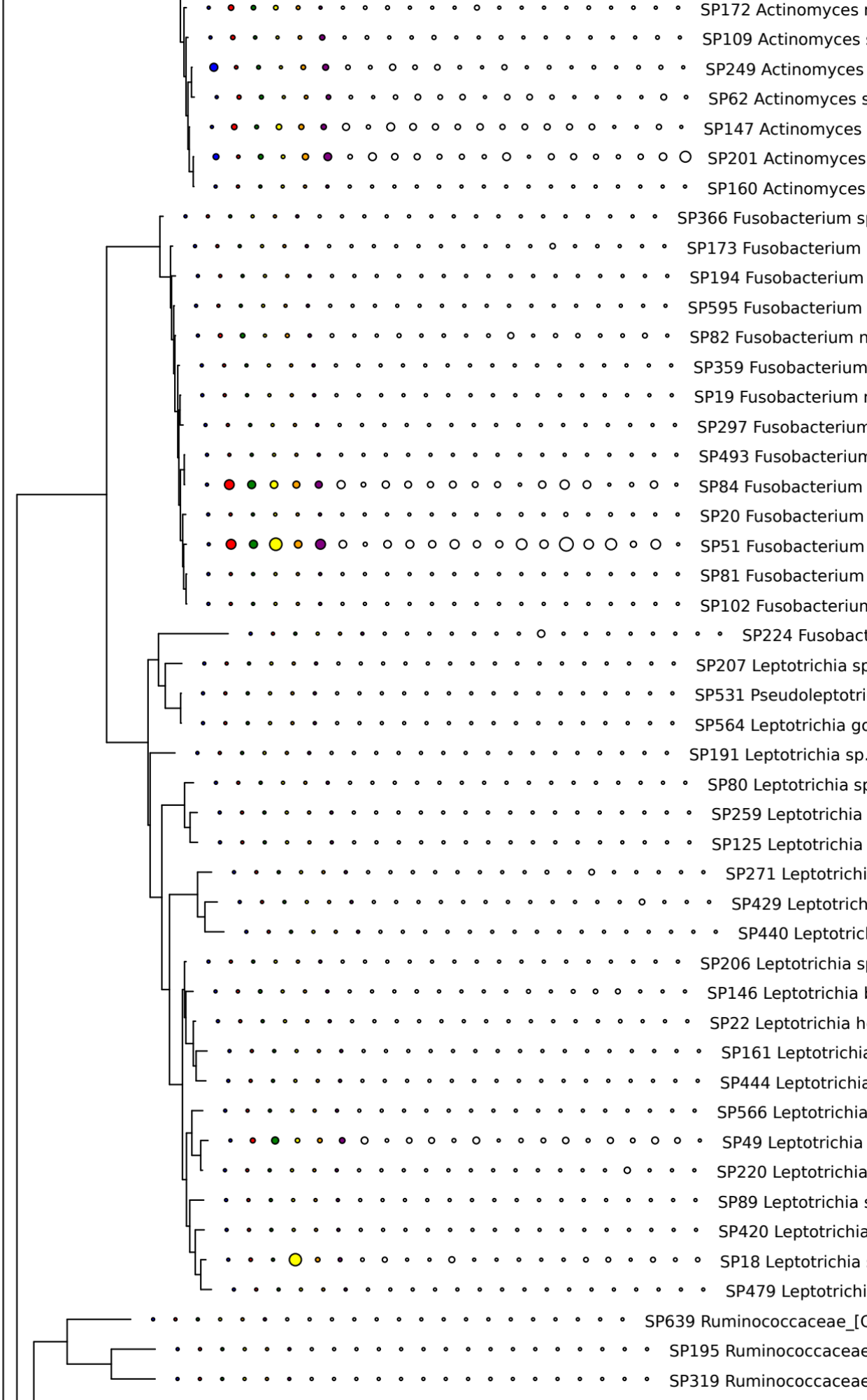

SP79 Prevotella me
SP65 Prevotella sp.
SP407 Prevotella je
SP174 Prevotella h
SP159 Prevotella s
SP348 Prevotella s
SP129 Prevotella v
SP471 Abscond
SP509 Abscon
SP225 Abscon
SP486 Gracilibacteria_(G
SP469 Gracilibacteria_(GN
SP380 Gracilibacteria_(GN
SP110 Saccharibacteria_(T
SP449 Saccharibacteria_(TM
SP485 TM7_[G] sp._Oral_Ta
SP305 Saccharibacteria_(TM
SP530 Saccharibacteria_(T
SP50 Saccharibacteria
SP304 Saccharibacteria_(TM
SP445 Saccharibacteria_(TM
SP301 Saccharibacteria_(TM
SP548 Saccharibacteria_(TM
SP86 Saccharibacteria_(TM7
SP458 Saccharibacteria_(TM
SP130 Saccharibacteria_(TM
SP202 Saccharibacteria_(T
SP78 Treponema sp._HMT_2
SP432 Treponema sp._HMT_
SP295 Treponema sp._HM
SP149 Treponema sp._HM
SP519 Treponema sp._HM
SP459 Treponema sp._HMT_
SP54 Treponema sp._HMT_2
SP611 Treponema sp._Ora
SP337 Treponema sp._Oral_
SP244 Treponema sp._Or
SP623 Treponema sp._Oral_
SP500 Treponema sp._HMT_
SP222 Treponema sp._HMT_
SP70 Treponema sp._HMT_2
SP40 Treponema sp._HMT_2
SP74 Treponema vincentii (
SP39 Treponema medium (
SP248 Treponema sp._ovine

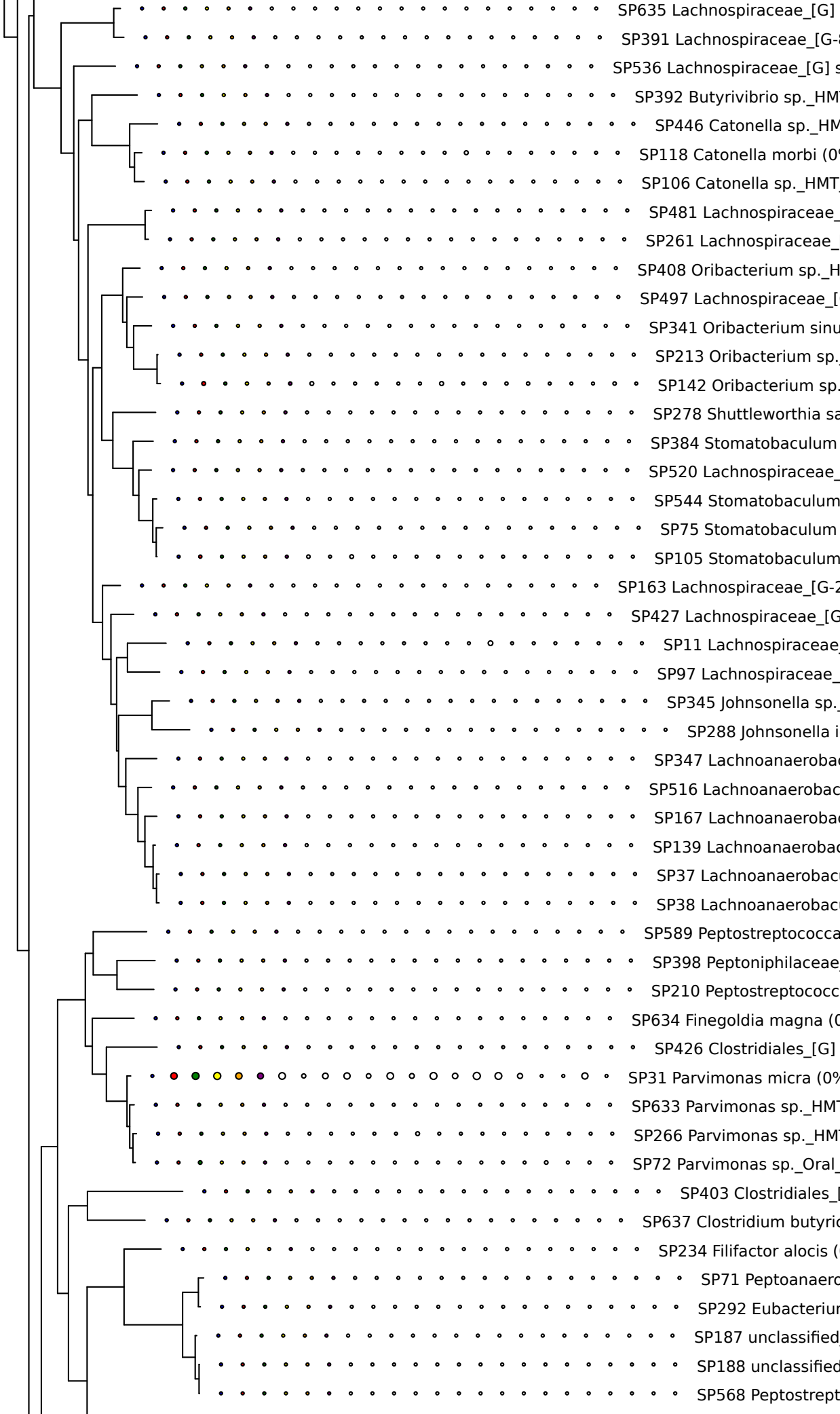

SP321 Treponema sp
SP466 Treponema sp
SP162 Treponema
SP502 Treponema s
SP227 Treponema n
SP546 Treponema
SP192 Treponema
SP511 Treponema p
SP470 Trepon
SP232 Trepo
SP63 Trepone
SP412 Trepon
SP419 Treponem
SP436 Trepon
SP367 Treponer
SP179 Treponem
SP300 Trepo
SP570 Trepo
SP13 Treponema sp._HMT_
SP280 Treponema sp._HM
SP311 Treponema dentic
SP599 Treponema putidu
SP309 Treponema sp._
SP395 Treponema sp._H
SP578 Treponema sp._H
SP528 Treponema sp._H
SP448 Treponema sp._
SP425 Treponema sp._H
SP523 Treponema sp._H
SP505 Treponema sp._H
SP543 Treponema sp._
SP590 Treponema s
SP553 Treponema sp._
SP529 Treponema sp._
SP360 Treponema sp
SP618 Treponema s
SP439 Desulfobulbus sp._
SP627 Desulfomicrobium o
SP489 Desulfovibrio sp._H
SP415 Bilophila wadswor
SP645 Aliarcobacter
SP67 Campylobacter
SP205 Campyloba
SP237 Campyloba
SP122 Campyloba
SP484 Campylob
SP90 Campylobact

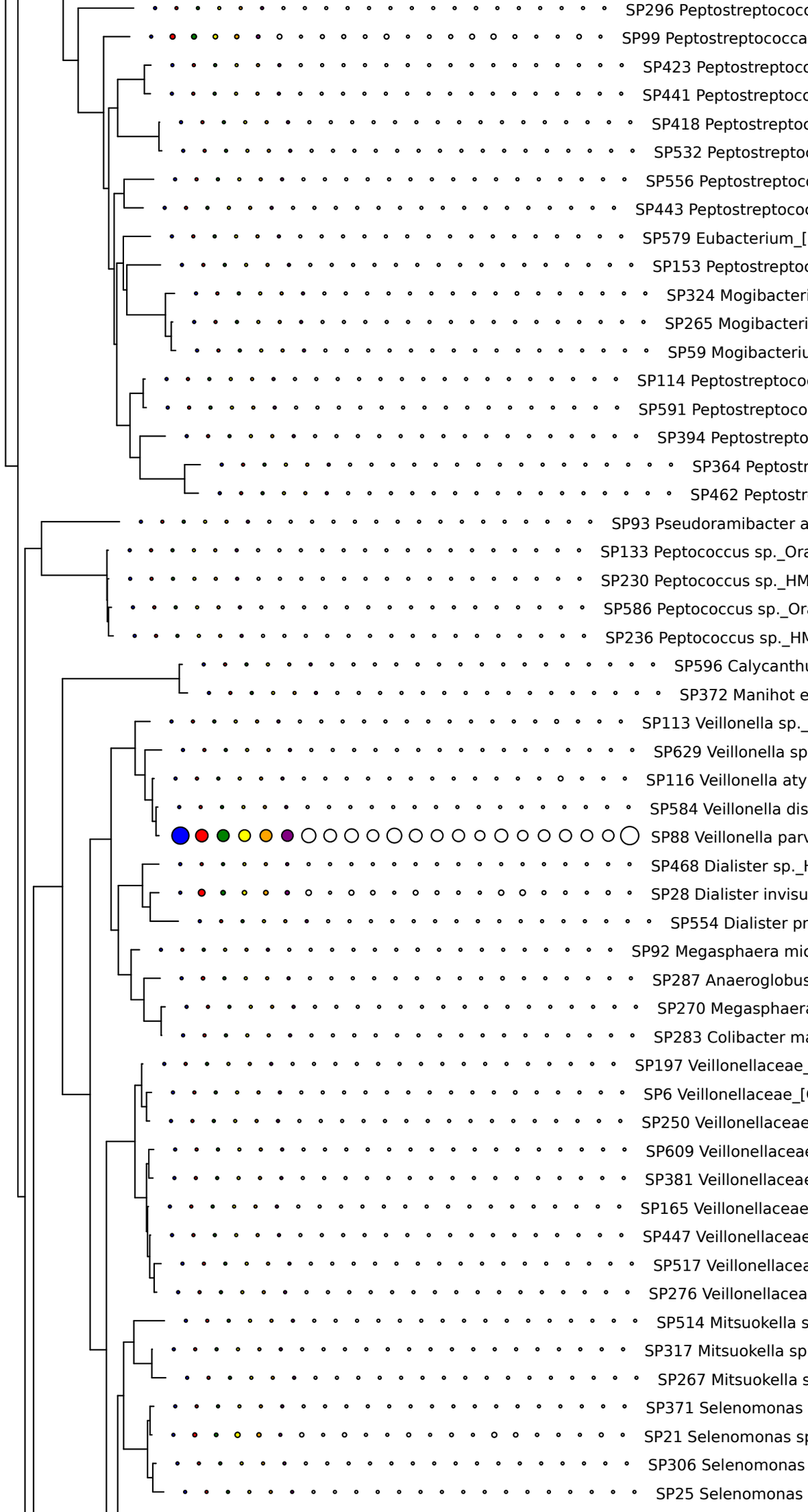

SP397 Alphaproteobact
SP561 Sphingobium yar
SP574 Sphingobium lim
SP438 Sphingopyxis chil
SP598 Sphingopyxis bau
SP608 Phenylobacterium
SP513 Paracoccus sph
SP606 Beijerinckia flumin
SP602 Rhodopseudom
SP424 Bradyrhizobium
SP573 Stenotrophomonas
SP628 Massilia brevi
SP571 Cupriavidus r
SP491 Ralstonia pic
SP245 Lautropia mir
SP582 Leptothrix s
SP630 Leptothrix s
SP389 Ottowia s
SP622 Delftia ac
SP542 Acidovor
SP526 Propionivibrio sp
SP377 Neisseriaceae
SP642 Uruburuella su
SP182 Neisseria bac
SP433 Neisseria sp._
SP567 Neisseria sp.
SP176 Kingella orali
SP575 Kingella s
SP240 Neisseria flave
SP452 Neisseria cine
SP143 Neisseria subf
SP626 Neisseria lac
SP215 Neisseria sic
SP44 Neisseria muc
SP369 Neisseria elon
SP550 Kingella sp._
SP200 Eikenella co
SP228 Kingella den
SP431 Neisseria sp
SP549 Eikenella sp
SP534 Eikenella sp
SP151 Cardiobacterium val
SP242 Cardiobacterium ho
SP592 Acinetobacter lw
SP533 Acinetobacter jo
SP483 Moraxella sp._
SP539 Moraxella oslo
SP593 Enhydrobacter
SP199 Pseudomonas ced
SP510 Pseudomonas par
SP315 Pseudomonas fluo
SP388 Pseudomonas gi
SP581 Pseudomonas c
SP522 Pseudomonas

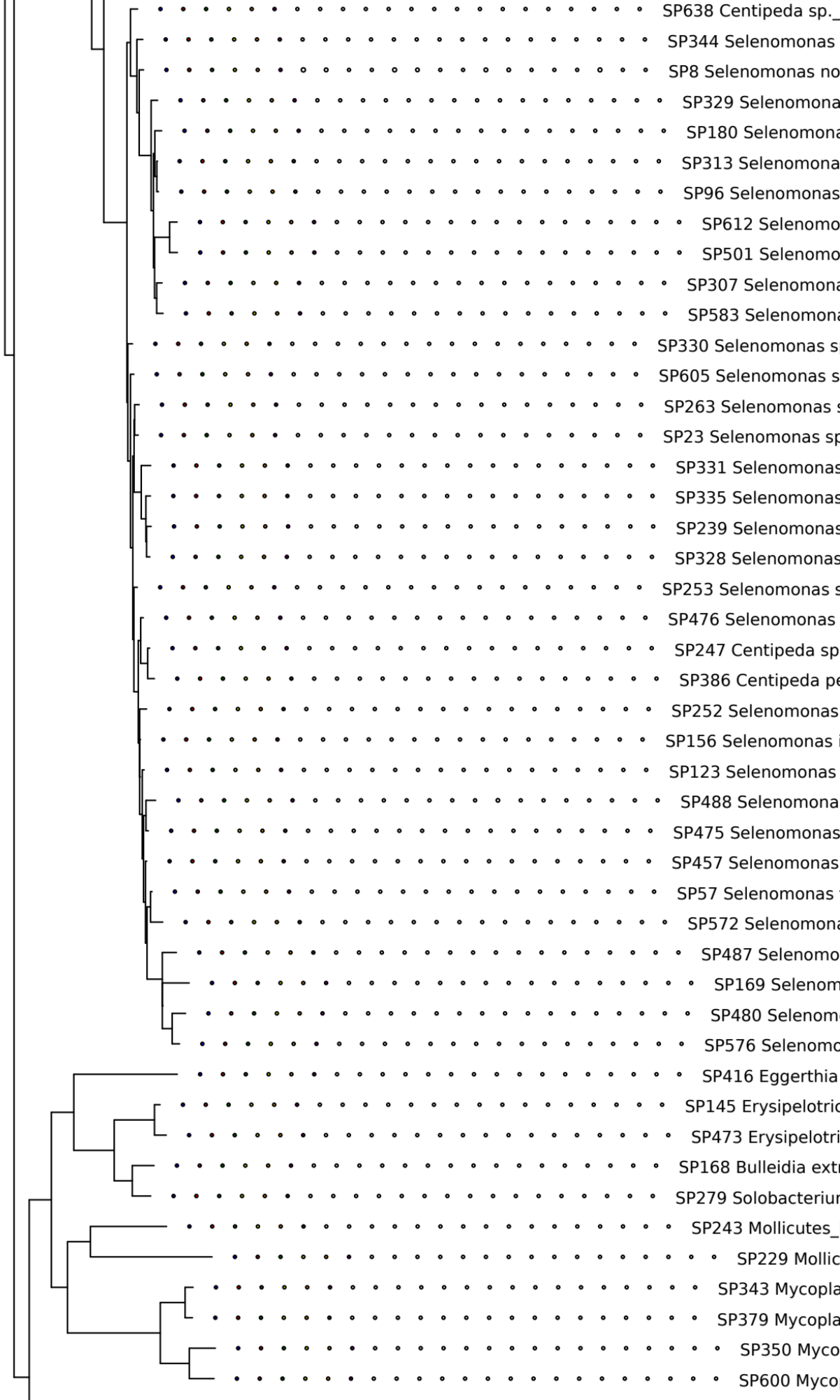

SP352 Escherichia coli
SP414 Erwinia aphidic
SP140 Haemophilus
SP437 Haemophilus s
SP410 Haemophilus
SP385 Haemophilus
SP117 Haemophil
SP177 Haemophi
SP411 Haemophi
SP112 Haemophi
SP32 Aggregatib
SP558 Aggregati
SP148 Aggregati
SP643 Aggreg
SP251 Aggregati
SP368 Aggregat
SP498 Aggrega
SP601 Aggrega
SP150 Aggrega
SP399 Anaerolineae
SP518 Pyramidobacter
SP124 Fretibacterium fastid
SP524 Fretibacterium sp.
SP477 Fretibacterium sp.
SP208 Fretibacterium sp.
SP134 Fretibacterium sp.
SP294 Fretibacterium sp.
SP1 Slackia exigua (
SP85 Cryptobacteriu
SP503 Olegusella mass
SP273 Atopobium parv
SP216 Atopobium sp.
SP504 Atopobium rim
SP217 Lancefieldella
SP136 Atopobium sp.
SP383 Olsenella profusa
SP405 Olsenella sp._HM
SP616 Tractidigestiv
SP189 Olsenella sp._O
SP417 Olsenella uli (0%
SP298 Propionibacterium
SP135 Propionibacteriu
SP537 Propionibacteria
SP467 Arachnia rubra
SP260 Arachnia propion

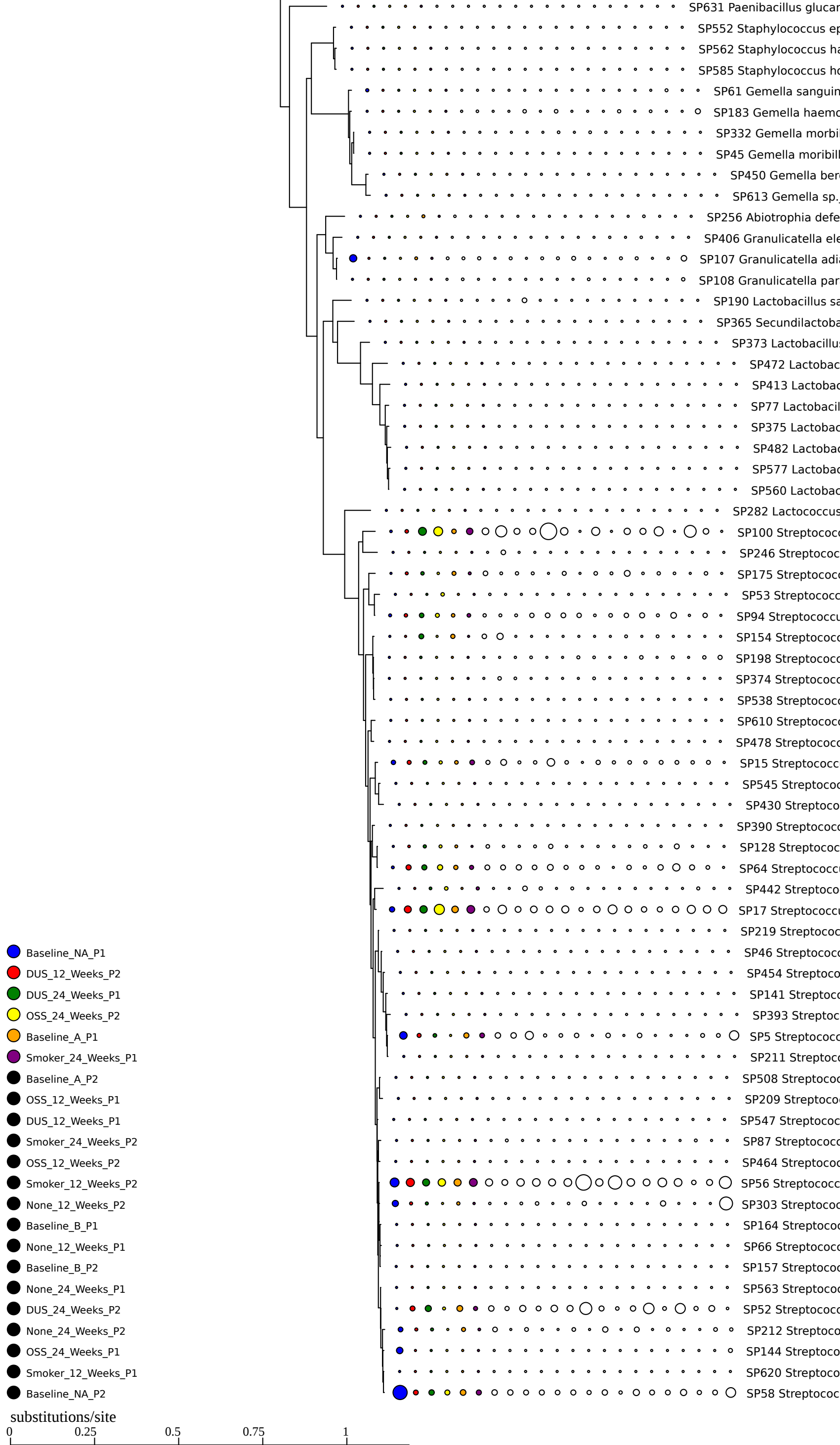

SP641 Lawsonella clevel
SP617 Corynebacterium
SP24 Corynebacteriu
SP68 Corynebacteriu
SP314 Corynebacter
SP625 Micrococcus luteu
SP647 Micrococcus lylae
SP648 Kocuria palustris (
SP644 Rothia amarae (0
SP318 Rothia mucilagin
SP193 Rothia dentocari
SP465 Rothia aeria (0%
SP551 Bifidobacte
SP594 Alloscardo
SP342 Parascardo
SP166 Scardovia
SP621 Gardnerella
SP507 Bifidobacte
SP362 Bifidobact
SP490 Bifidobacte
SP121 Bifidobac
SP422 Peptidiphaga sp
SP76 Actinomyces sp.
SP409 Peptidiphaga g
SP312 Schaalia meye
SP91 Schaalia georg
SP506 Schaalia sp.
SP181 Actinomyces
SP376 Schaalia sp.
SP277 Schaalia card
SP587 Schaalia turic
SP178 Schaalia lingr
SP170 Actinomyces
SP334 Schaalia sp.
SP404 Schaalia odor
SP262 Actinomyces
SP241 Schaalia sp.
SP496 Actinomyces g
SP494 Actinomyces ra
SP396 Actinomyces
SP463 Actinomyces
SP226 Actinomyces
SP310 Actinomyce
SP361 Actinomyc
SP293 Actinomyc
SP95 Actinomy
SP272 Actinom
SP286 Actinon
SP115 Actinor
SP73 Actinom
SP171 Actinomyces s
SP69 Actinomyces sp
SP26 Actinomyces jo


SP172 Actinomyces
SP109 Actinomyces
SP249 Actinomyces
SP62 Actinomyces
SP147 Actinomyces
SP201 Actinomyces
SP160 Actinomyces
SP366 Fusobacterium
SP173 Fusobacterium
SP194 Fusobacterium
SP595 Fusobacterium
SP82 Fusobacterium
SP359 Fusobacterium
SP19 Fusobacterium
SP297 Fusobacterium
SP493 Fusobacterium
SP84 Fusobacterium
SP20 Fusobacterium
SP51 Fusobacterium
SP81 Fusobacterium
SP102 Fusobacterium
SP224 Fusobact
SP207 Leptotrichia
SP531 Pseudoleptotri
SP564 Leptotrichia
SP191 Leptotrichia
SP80 Leptotrichia
SP259 Leptotrichia
SP125 Leptotrichia
SP271 Leptotrichi
SP429 Leptotrich
SP440 Leptotric
SP206 Leptotrichia
SP146 Leptotrichia
SP22 Leptotrichia
SP161 Leptotrichia
SP444 Leptotrichia
SP566 Leptotrichia
SP49 Leptotrichia
SP220 Leptotrichia
SP89 Leptotrichia
SP420 Leptotrichia
SP18 Leptotrichia
SP479 Leptotrichi
SP639 Ruminococcaceae_[C
SP195 Ruminococcaceae
SP319 Ruminococcaceae


SP635 Lachnospiraceae_[G]
SP391 Lachnospiraceae_[G-
SP536 Lachnospiraceae_[G] s
SP392 Butyrivibrio sp._HM
SP446 Catonella sp._HM
SP118 Catonella morbi (0
SP106 Catonella sp._HMT
SP481 Lachnospiraceae_
SP261 Lachnospiraceae_
SP408 Oribacterium sp._H
SP497 Lachnospiraceae_[
SP341 Oribacterium sinu
SP213 Oribacterium sp.
SP142 Oribacterium sp.
SP278 Shuttleworthia sa
SP384 Stomatobaculum
SP520 Lachnospiraceae_
SP544 Stomatobaculum
SP75 Stomatobaculum
SP105 Stomatobaculum
SP163 Lachnospiraceae_[G-2
SP427 Lachnospiraceae_[G
SP11 Lachnospiraceae
SP97 Lachnospiraceae_
SP345 Johnsonella sp.
SP288 Johnsonella i
SP347 Lachnoanaerobac
SP516 Lachnoanaerobac
SP167 Lachnoanaerobac
SP139 Lachnoanaerobac
SP37 Lachnoanaerobac
SP38 Lachnoanaerobac
SP589 Peptostreptococca
SP398 Peptoniphilaceae
SP210 Peptostreptococc
SP634 Finegoldia magna (0
SP426 Clostridiales_[G]
SP31 Parvimonas micra (0%
SP633 Parvimonas sp._HMT
SP266 Parvimonas sp._HMT
SP72 Parvimonas sp._Oral_
SP403 Clostridiales_[
SP637 Clostridium butyric
SP234 Filifactor alocis (
SP71 Peptoanaero
SP292 Eubacterium
SP187 unclassified
SP188 unclassified
SP568 Peptostrept


SP296 Peptostreptococ
SP99 Peptostreptococca
SP423 Peptostreptocc
SP441 Peptostreptocc
SP418 Peptostreptoc
SP532 Peptostreptoc
SP556 Peptostreptoc
SP443 Peptostreptococ
SP579 Eubacterium_[
SP153 Peptostreptoc
SP324 Mogibacteri
SP265 Mogibacteri
SP59 Mogibacteriu
SP114 Peptostreptoco
SP591 Peptostreptoco
SP394 Peptostrepto
SP364 Peptostr
SP462 Peptostr
SP93 Pseudoramibacter a
SP133 Peptococcus sp._Ora
SP230 Peptococcus sp._HM
SP586 Peptococcus sp._Ora
SP236 Peptococcus sp._HM
SP596 Calycanthu
SP372 Manihot e
SP113 Veillonella sp._
SP629 Veillonella sp
SP116 Veillonella aty
SP584 Veillonella dis
SP88 Veillonella parv
SP468 Dialister sp._H
SP28 Dialister invisu
SP554 Dialister pr
SP92 Megasphaera mic
SP287 Anaeroglobus
SP270 Megasphaera
SP283 Colibacter ma
SP197 Veillonellaceae_
SP6 Veillonellaceae_[
SP250 Veillonellaceae
SP609 Veillonellacea
SP381 Veillonellacea
SP165 Veillonellacea
SP447 Veillonellacea
SP517 Veillonellacea
SP276 Veillonellacea
SP514 Mitsuokella s
SP317 Mitsuokella sp
SP267 Mitsuokella s
SP371 Selenomonas
SP21 Selenomonas sp
SP306 Selenomonas
SP25 Selenomonas


SP638 Centipeda sp._
SP344 Selenomonas
SP8 Selenomonas no
SP329 Selenomona
SP180 Selenomona
SP313 Selenomona
SP96 Selenomonas
SP612 Selenomo
SP501 Selenomo
SP307 Selenomona
SP583 Selenomona
SP330 Selenomonas s
SP605 Selenomonas s
SP263 Selenomonas s
SP23 Selenomonas sp
SP331 Selenomonas
SP335 Selenomonas
SP239 Selenomonas
SP328 Selenomonas
SP253 Selenomonas s
SP476 Selenomonas
SP247 Centipeda sp
SP386 Centipeda pe
SP252 Selenomonas
SP156 Selenomonas i
SP123 Selenomonas
SP488 Selenomona
SP475 Selenomonas
SP457 Selenomonas
SP57 Selenomonas
SP572 Selenomona
SP487 Selenomo
SP169 Selenom
SP480 Selenom
SP576 Selenomo
SP416 Eggerthia
SP145 Erysipelotric
SP473 Erysipelotri
SP168 Bulleidia extr
SP279 Solobacteriur
SP243 Mollicutes_
SP229 Mollic
SP343 Mycopla
SP379 Mycopla
SP350 Myco
SP600 Myco


SP631 Paenibacillus glucar
SP552 Staphylococcus ep
SP562 Staphylococcus ha
SP585 Staphylococcus ho
SP61 Gemella sanguin
SP183 Gemella haemo
SP332 Gemella morbil
SP45 Gemella moribill
SP450 Gemella ber
SP613 Gemella sp.
SP256 Abiotrophia defe
SP406 Granulicatella ele
SP107 Granulicatella adi
SP108 Granulicatella par
SP190 Lactobacillus sa
SP365 Secundilactoba
SP373 Lactobacillus
SP472 Lactobac
SP413 Lactobac
SP77 Lactobacil
SP375 Lactobac
SP482 Lactobac
SP577 Lactobac
SP560 Lactobac
SP282 Lactococcus
SP100 Streptococ
SP246 Streptococ
SP175 Streptococ
SP53 Streptococ
SP94 Streptococcu
SP154 Streptococ
SP198 Streptococ
SP374 Streptococ
SP538 Streptococ
SP610 Streptococ
SP478 Streptococ
SP15 Streptococcu
SP545 Streptococ
SP430 Streptoco
SP390 Streptococ
SP128 Streptococ
SP64 Streptococcu
SP442 Streptoco
SP17 Streptococcu
SP219 Streptococ
SP46 Streptococ
SP454 Streptoco
SP141 Streptoco
SP393 Streptoc
SP5 Streptococ
SP211 Streptoco
SP508 Streptococ
SP209 Streptoco
SP547 Streptococ
SP87 Streptococ
SP464 Streptococ
SP56 Streptococc
SP303 Streptococ
SP164 Streptococ
SP66 Streptococ
SP157 Streptococ
SP563 Streptococ
SP52 Streptococ
SP212 Streptoco
SP144 Streptoco
SP620 Streptoco
SP58 Streptococ
Baseline_NA_P1
DUS_12_Weeks_P2
DUS_24_Weeks_P1
OSS_24_Weeks_P2
Baseline_A_P1
Smoker_24_Weeks_P1
Baseline_A_P2
OSS_12_Weeks_P1
DUS_12_Weeks_P1
Smoker_24_Weeks_P2
OSS_12_Weeks_P2
Smoker_12_Weeks_P2
None_12_Weeks_P2
Baseline_B_P1
None_12_Weeks_P1
Baseline_B_P2
None_24_Weeks_P1
DUS_24_Weeks_P2
None_24_Weeks_P2
OSS_24_Weeks_P1
Smoker_12_Weeks_P1
Baseline_NA_P2
substitutions/site
0
0.25
0.5
0.75
1