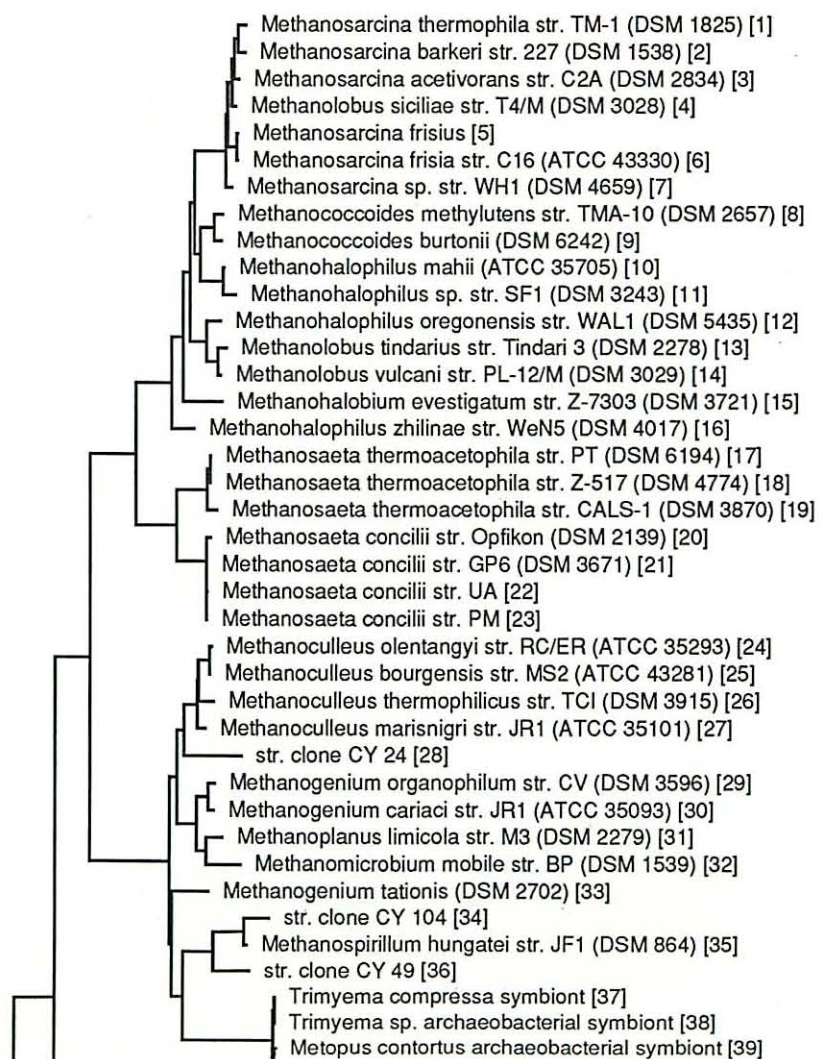
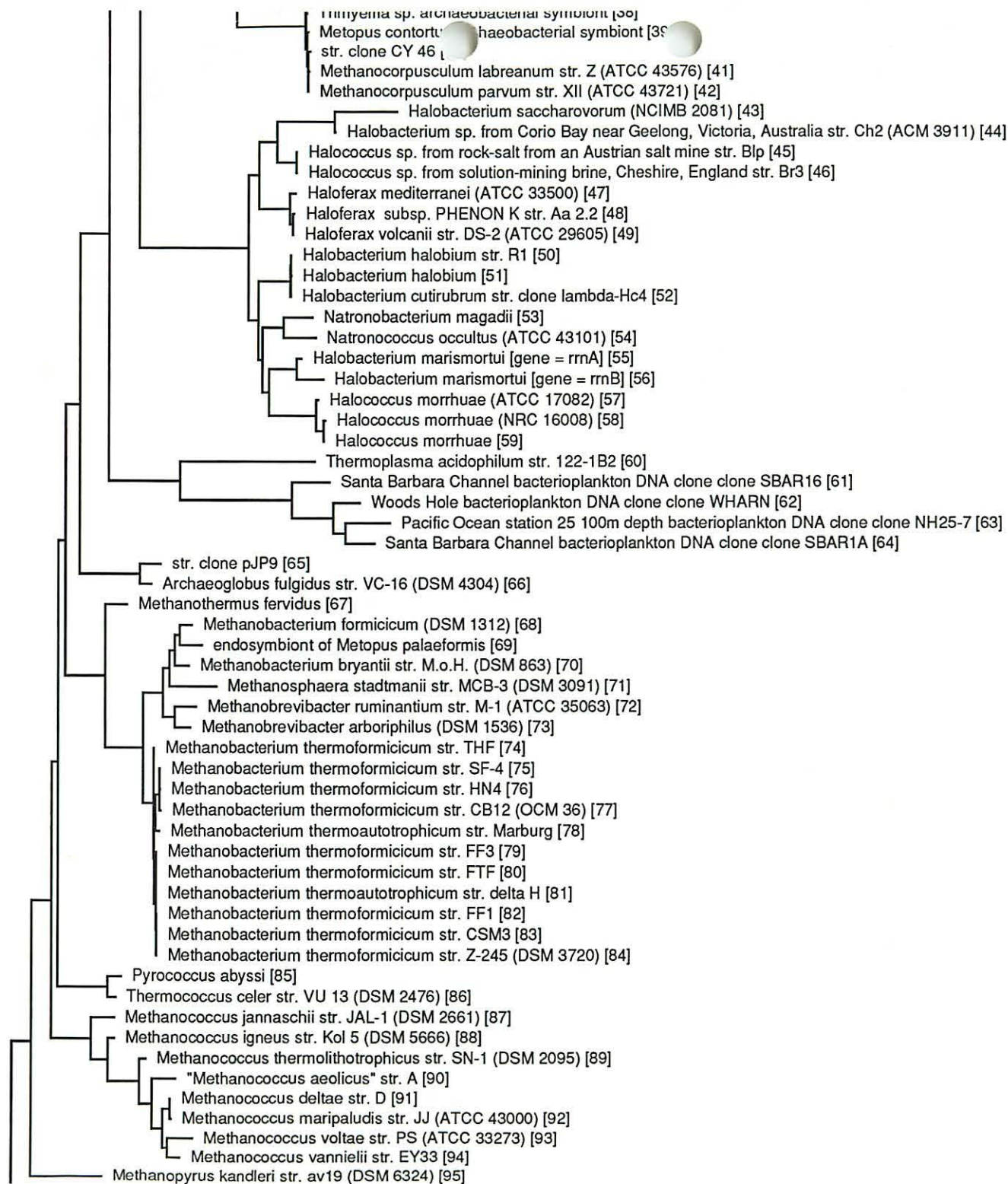
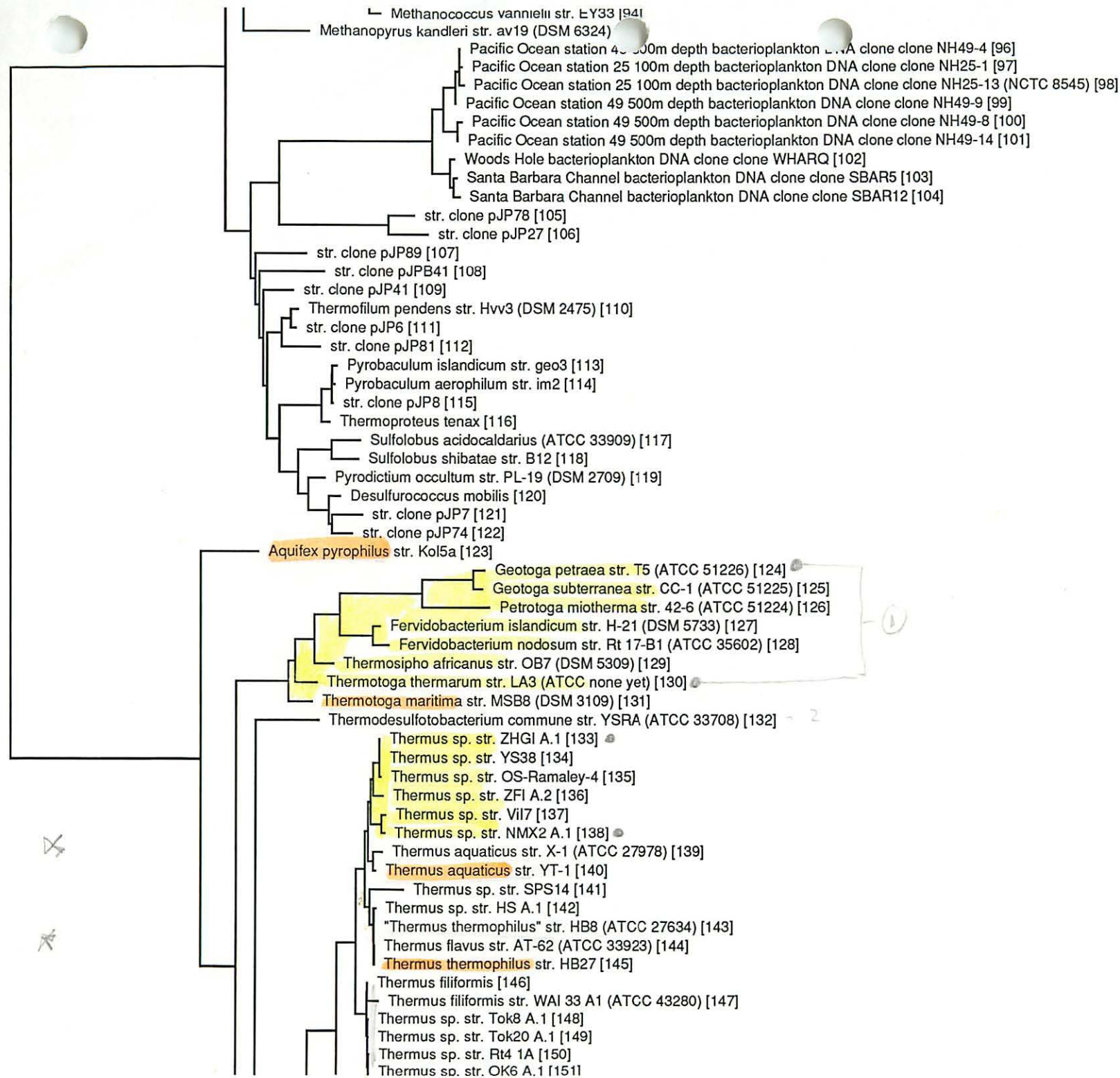
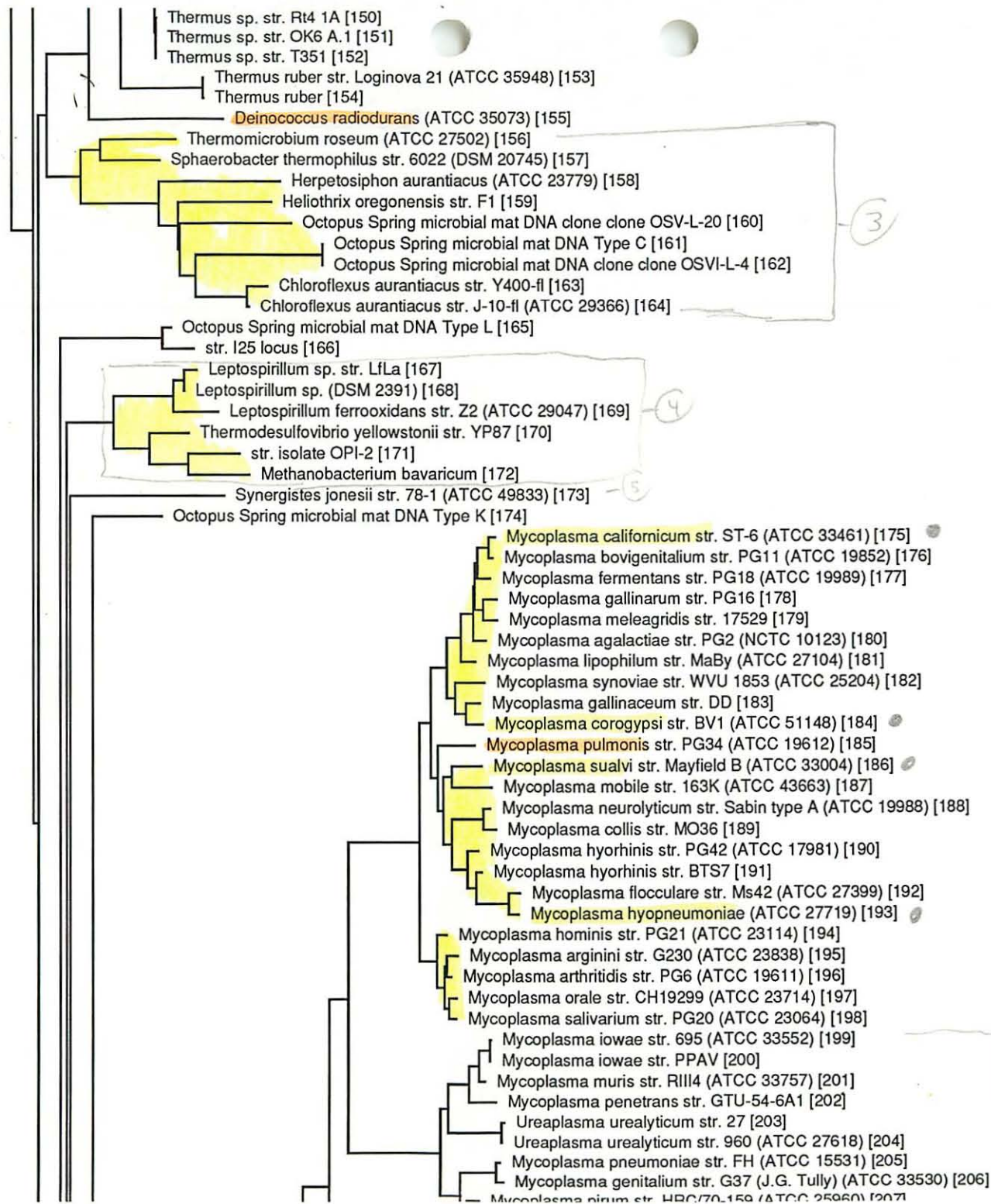
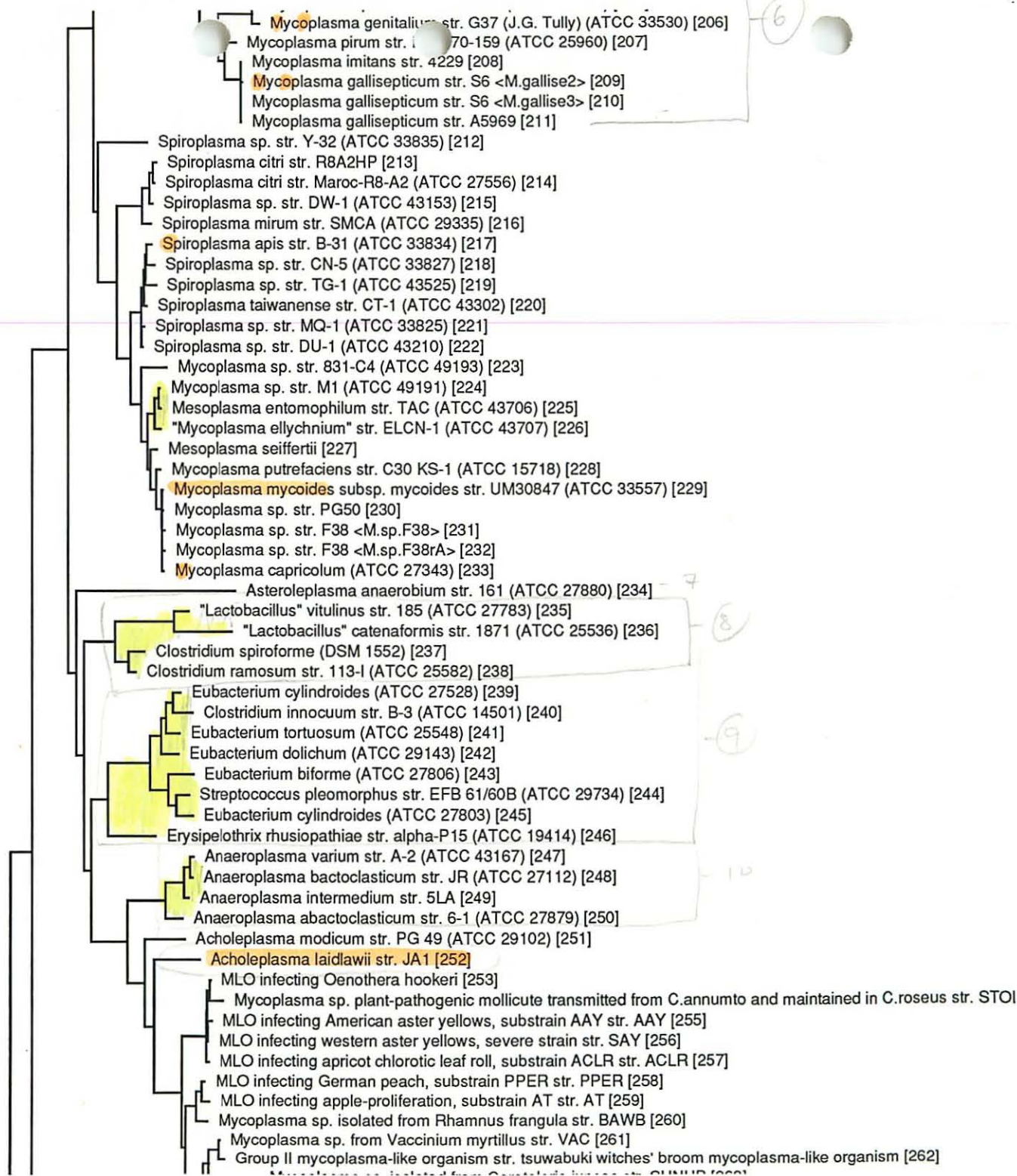


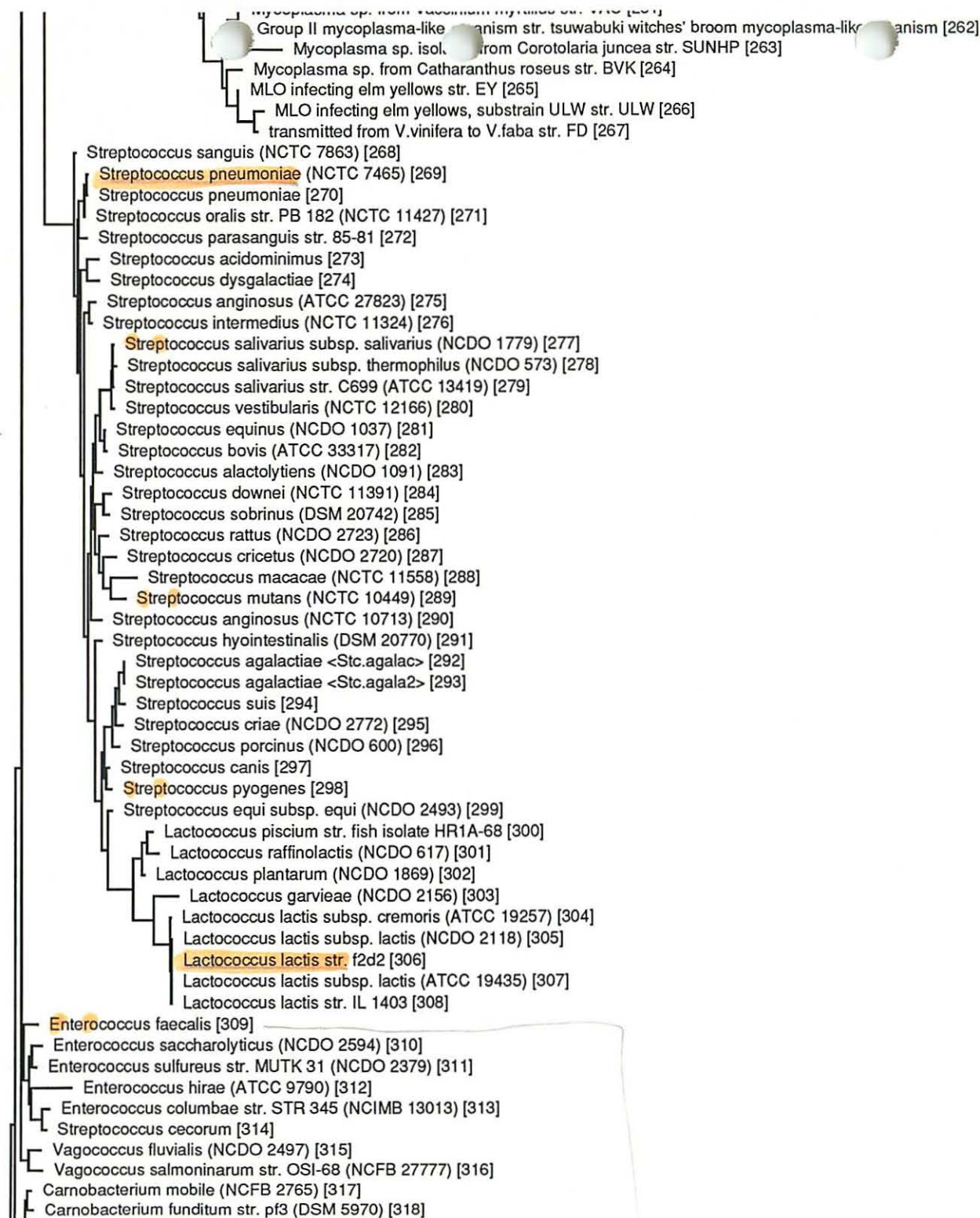






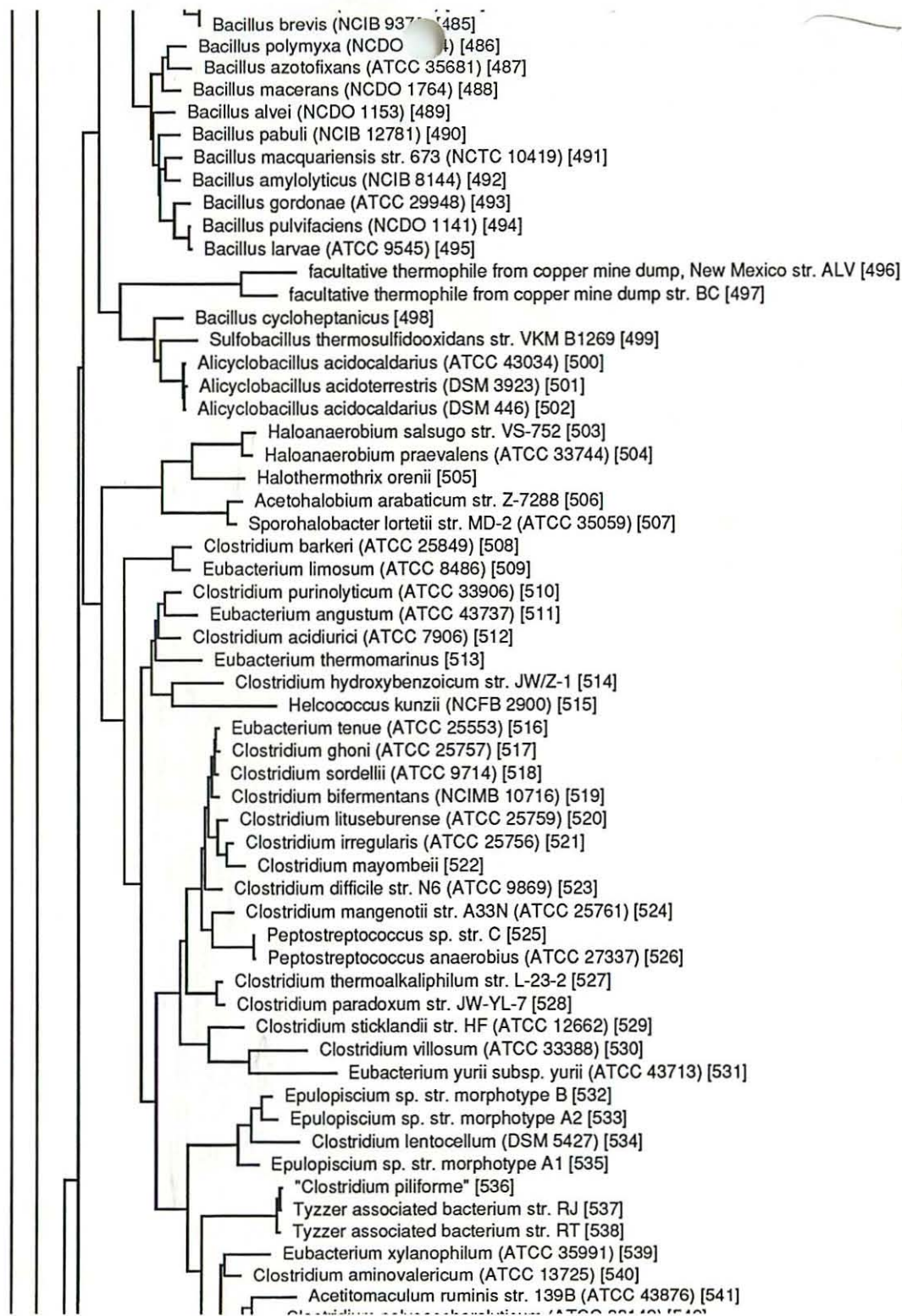


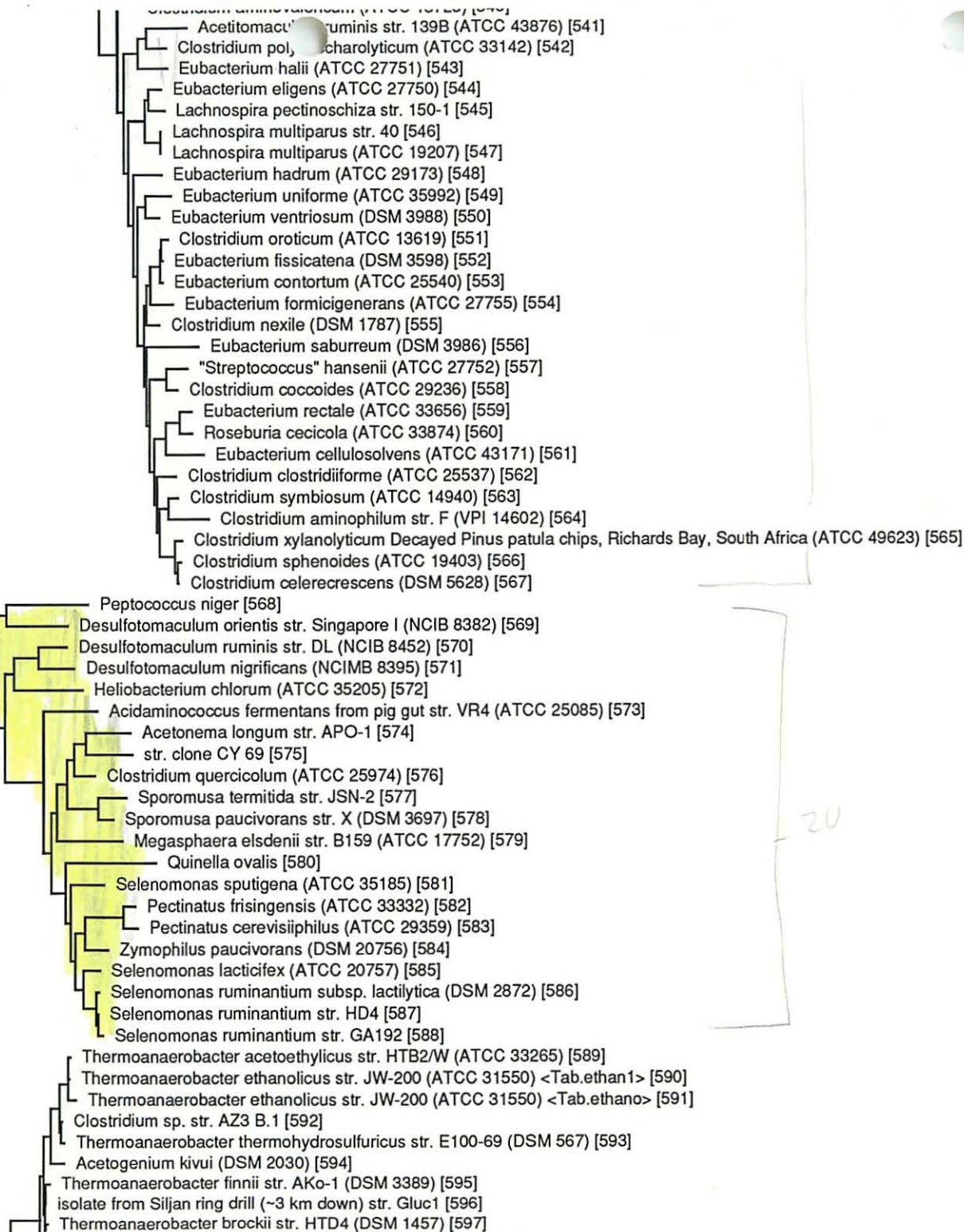


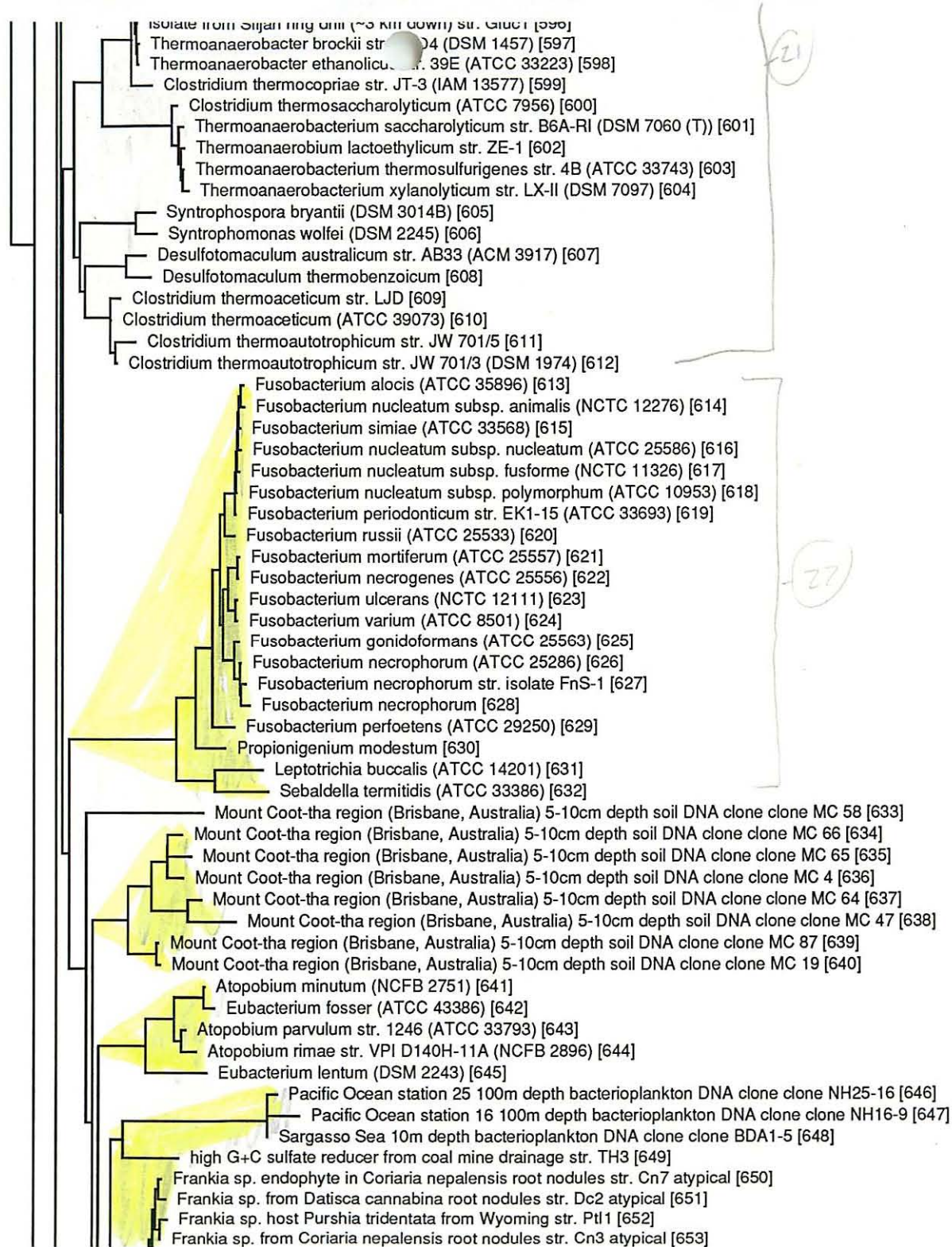


Carnobacterium mobile (NCFB 2763) [317]
 Carnobacterium fundit str. pf3 (DSM 5970) [318]
 Carnococcus allantoicus str. NDP [319]
 Carnobacterium alterfunditum (ACAM 311) [320]
 Alloiococcus otitis (NCFB 2890) [321]
 Carnobacterium divergens (ATCC 25677) [322]
 Carnobacterium gallinarum (NCFB 2766) [323]
 Carnobacterium piscicola (ATCC 43225) [324]
 Lactobacillus maltaromicus str. MX5 (ATCC 27865) [325]
 Lactobacillus sake (ATCC 15521) [326]
 Lactobacillus hilgardii (ATCC 8290) [327]
 Lactobacillus sp. str. L 343 (ATCC 13133) [328]
 Lactobacillus kefir (ATCC 35411) [329]
 Lactobacillus buchneri (NCDO 110) [330]
 Lactobacillus sanfrancisco str. Kline L-2 (ATCC 27651) [331]
 Lactobacillus fructivorans (ATCC 8288) [332]
 Lactobacillus brevis (ATCC 14869) [333]
 Lactobacillus farciminis (ATCC 29644) [334]
 Lactobacillus alimentarius (ATCC 29643) [335]
 Lactobacillus plantarum str. Lp 39 (NCDO 1752) [336]
 Lactobacillus plantarum str. 17-5 (ATCC 8014) [337]
 Pediococcus pentosaceus (ATCC 33316) [338]
 Pediococcus acidilactici (DSM 20284) [339]
 Lactobacillus mali (ATCC 27053) [340]
 Lactobacillus animalis (NCDO 2425) [341]
 Lactobacillus murinus (ATCC 35020) [342]
 Lactobacillus ruminis str. RF1 (ATCC 27780) [343]
 Lactobacillus agilis (DSM 20509) [344]
 Lactobacillus salivarius subsp. salicinius str. H0268 (ATCC 11742) [345]
 Lactobacillus aviarius (ATCC 43234) [346]
 Lactobacillus bifermens (ATCC 35409) [347]
 Lactobacillus coryniformis (ATCC 25602) [348]
 Lactobacillus sharpeae (DSM 20505) [349]
 Lactobacillus casei subsp. casei (ATCC 393) [350]
 Lactobacillus casei subsp. rhamnosus (DSM 20021) [351]
 Lactobacillus casei subsp. casei (ATCC 334) [352]
 Lactobacillus acidophilus (ATCC 4356) [353]
 Lactobacillus amylovorus (ATCC 33620) [354]
 Lactobacillus helveticus str. Lh12 (NCDO 2712) [355]
 Lactobacillus delbrueckii subsp. lactis (ATCC 12315) [356]
 Lactobacillus delbrueckii subsp. delbrueckii str. Calvert (NCDO 213) [357]
 Lactobacillus acetotolerans (DSM 20749) [358]
 Lactobacillus acidophilus subsp. johnsonii str. BMF 6Lb6 [359]
 Lactobacillus gasseri (NCDO 2233) [360]
 Lactobacillus amylophilus (DSM 20533) [361]
 Lactobacillus vaginalis (NCTC 12197) [362]
 Lactobacillus oris (NCDO 2160) [363]
 Lactobacillus reuteri (DSM 20016) [364]
 Lactobacillus fermentum (NCDO 1750) [365]
 Weissella paramesenteroides (DSM 20288) [366]
 Weissella minor (ATCC 35412) [367]
 Lactobacillus minor (NCDO 1973) [368]
 Weissella viridescens (NCDO 1655) [369]
 Weissella halotolerans str. R61 (ATCC 35410) [370]
 Weissella kandleri (NCDO 2753) [371]
 Weissella confusa (NCDO 1586) [372]
 Leuconostoc oenos (ATCC 23279) [373]
 Leuconostoc fallax (DSM 20189) [374]

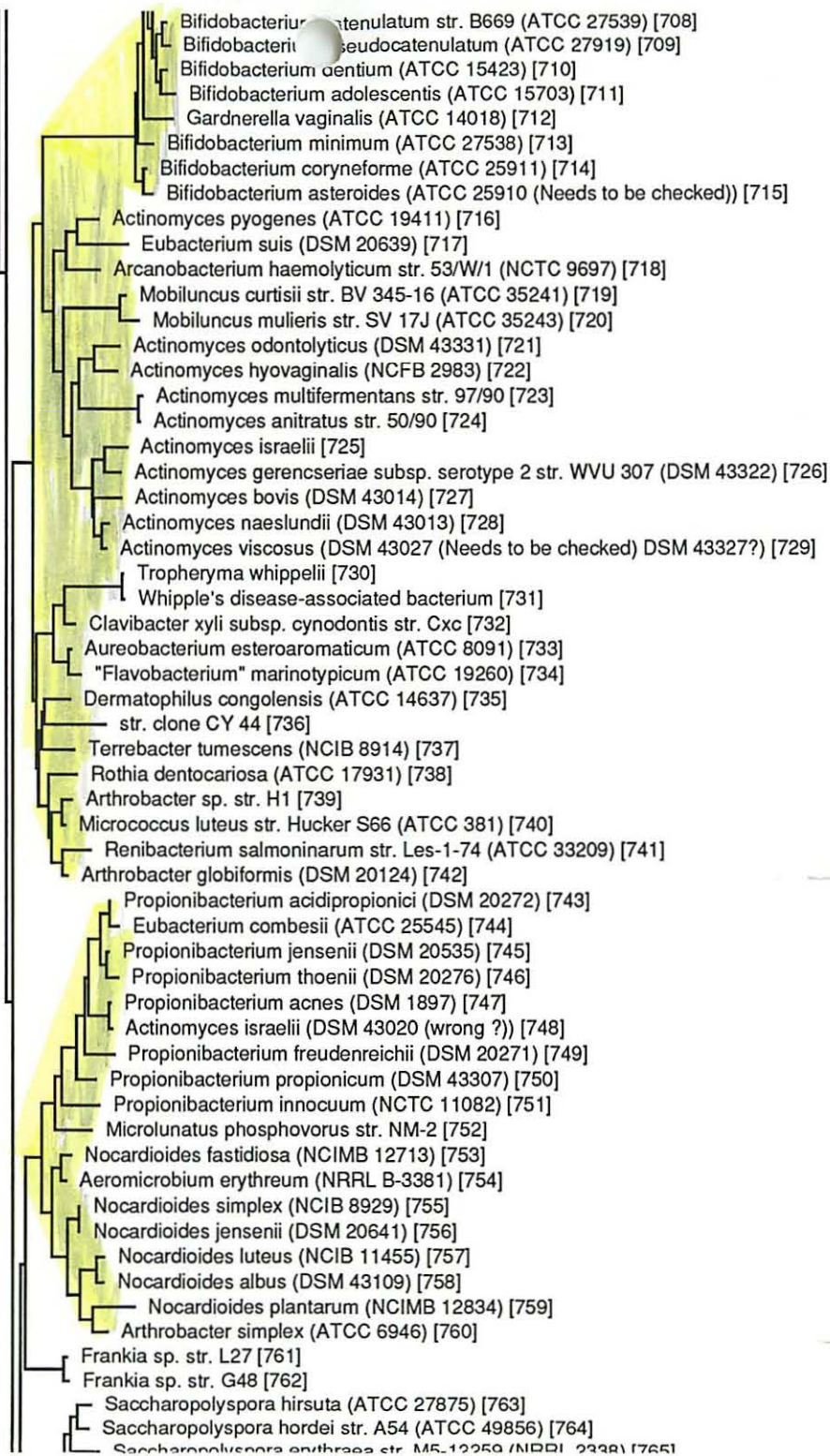
Staphylococcus xylosum [430]
 Staphylococcus hominis (ATCC 27844) [430]
 Staphylococcus haemolyticus (ATCC 29970) [431]
 Staphylococcus schleiferi subsp. schleiferi (DSM 4807) [432]
 Staphylococcus intermedius [433]
 Staphylococcus muscae str. MB4 (CCM 4175) [434]
 Staphylococcus auricularis [435]
 Staphylococcus carnosus [436]
 Staphylococcus sciuri [437]
 Staphylococcus sciuri (ATCC 20345) [438]
 Staphylococcus warneri [439]
 Staphylococcus aureus [440]
 Staphylococcus haemolyticus [441]
 Staphylococcus aureus (ATCC 12600) [442]
 Staphylococcus epidermidis <Stp.epide2> [443]
 Staphylococcus arlettae [444]
 Staphylococcus epidermidis <Stp.epide3> [445]
 Staphylococcus epidermidis (ATCC 14990) [446]
 Bacillus amyloliquefaciens (ATCC 23350) [447]
 Bacillus lentimorbus (ATCC 14707) [448]
 Bacillus subtilis [449]
 Bacillus lautus (NCIB 12780) [450]
 Bacillus licheniformis (DSM 13) [451]
 Bacillus popilliae (ATCC 14706) [452]
 Bacillus atrophaeus (NCIB 12899) [453]
 Bacillus pumilus (NCDO 1766) [454]
 Bacillus fastidiosus (DSM 91) [455]
 Bacillus simplex (DSM 1321) [456]
 Bacillus maroccanus (NCIB 10500) [457]
 Bacillus psychrosaccharolyticus (ATCC 23296) [458]
 Bacillus megaterium (DSM 32) [459]
 Bacillus azotoformans (ATCC 29788) [460]
 Bacillus firmus (NCIB 9366) [461]
 Bacillus benzeovorans (NCIB 12555) [462]
 Bacillus circulans (NCDO 1775) [463]
 Bacillus lentus (NCDO 1127) [464]
 Bacillus badius (NCDO 1760) [465]
 Bacillus aminovorans (NCIMB 8292) [466]
 Bacillus coagulans (NCDO 1761) [467]
 "Lactobacillus" thermophilus (ATCC 8317) [468]
 Alicyclobacillus acidoterrestris (DSM 3922) [469]
 Sporosarcina halophila (NCIMB 2269) [470]
 Bacillus pantothenicus (NCDO 1765) [471]
 Bacillus methanolicus str. C1 (NCIMB 13114) [472]
 Bacillus smithii (DSM 4216) [473]
 Saccharococcus thermophilus (ATCC 43125) [474]
 Bacillus thermoglucosadicus (ATCC 43742) [475]
 Bacillus stearothermophilus str. T10 [476]
 Bacillus stearothermophilus (NCDO 1768) [477]
 Bacillus kaustophilus (NCIB 8547) [478]
 Bacillus alcalophilus (DSM 485) [479]
 Sporolactobacillus inulinis (ATCC 15538) [480]
 Marinococcus halophilus (NCIMB 2178) [481]
 Bacillus aneurinolyticus (NCIB 10056) [482]
 Bacillus laterosporus (NCDO 1763) [483]
 Bacillus brevis (ATCC 8185) [484]
 Bacillus brevis (NCIB 9372) [485]
 Bacillus polymyxa (NCDO 1774) [486]





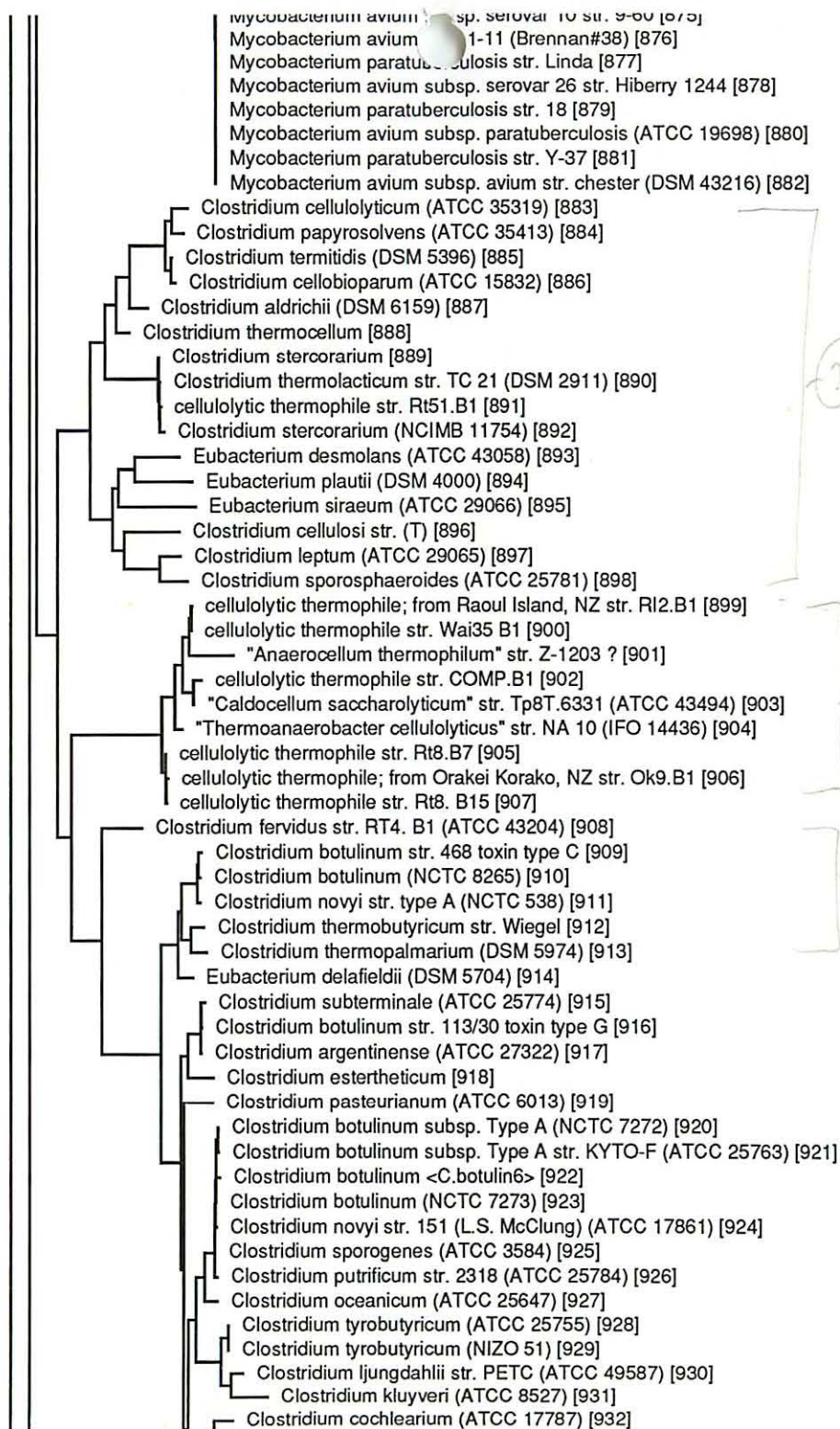


Frankia sp. host Purshia tridentata from Wyoming str. Pt11 [652]
 Frankia sp. from Coriaria nepalensis root nodules str. Cn3 atypical [653]
 Frankia sp. endophyte in Datisca cannabina root nodules [654]
 Frankia sp. endophyte in Coriaria nepalensis root nodules [655]
 Frankia sp. from nodule from Alnus viridis nodule from La Toussuire (France) [656]
 Frankia sp. host Alnus rugosa from Quebec (Canada) str. ARgP5(AG) [657]
 Frankia sp. host Alnus viridis from La Toussuire (France) str. AVN17o [658]
 Frankia sp. str. Ag45/Mut15 [659]
 Frankia sp. host Casuarina equisetifolia from Dakar (Senegal) str. CeD [660]
 Frankia sp. host Casuarina equisetifolia from Madagascar str. M2 [661]
 Frankia sp. str. Arl4 [662]
 Frankia alni host Alnus rubra from Oregon str. Arl3 [663]
 Frankia sp. str. AcN14a [664]
 Acidothermus cellulolyticum [665]
 Frankia sp. host Elaeagnus angustifolia from Ecully, France str. Ea1-12 [666]
 Frankia sp. host Hippophae rhamnoides str. CH [667]
 Frankia sp. host Elaeagnus umbellata from Illinois str. EUN1f [668]
 Frankia sp. host Hippophae rhamnoides from Alps, France str. HRN18a [669]
 Frankia sp. host Casuarina equisetifolia from Dakar (Senegal) str. D11 [670]
 Frankia sp. host Colletia spinosissima from Argentina str. Col [671]
 Streptomyces lavendulae subsp. lavendulae (DSM 2014) [672]
 Streptovercillium luteoreticuli (DPDU 0081) [673]
 Streptomyces griseus subsp. griseus (KCTC 9080) [674]
 Streptomyces purpureus (DSM 43460) [675]
 Streptovercillium ladakanum subsp. ladakanum (DSM 40587) [676]
 Kitasatospora setae (DSM 43861) [677]
 Kitasatospora griseola (DSM 43859) [678]
 Kitasatospora phosalacinea (DSM 43860) [679]
 Streptovercillium cinnamoneum subsp. azacolum (DPDU 0074) [680]
 Streptovercillium baldacii (DPDU 0819) [681]
 Streptovercillium olivoreticuli subsp. cellulophilum (DPDU 0278) [682]
 Streptovercillium cinnamoneum subsp. cinnamoneum (DPDU 0093) [683]
 Streptovercillium abikoense (DSM 40831) [684]
 Streptovercillium salmonis (DPDU 00098) [685]
 Streptomyces diastaticus subsp. diastaticus (DSM 40496) [686]
 Streptomyces brasiliensis str. CCIB 71 (DSM 43159) [687]
 Streptomyces ambofaciens [688]
 Streptomyces coelicolor str. A3(2) [689]
 Streptomyces lividans str. TK21 [690]
 Streptomyces lividans str. TK64 [691]
 Streptomyces coelicolor [692]
 Streptomyces albus subsp. albus (DSM 40313) [693]
 Bifidobacterium longum (ATCC 15707) [694]
 Bifidobacterium pseudolongum (ATCC 25526) [695]
 Bifidobacterium suis (ATCC 27533) [696]
 Bifidobacterium indicum (ATCC 25912) [697]
 Bifidobacterium infantis (ATCC 15697) [698]
 Bifidobacterium breve (ATCC 15700) [699]
 Bifidobacterium breve (ATCC 15698) [700]
 Bifidobacterium breve (CIP 6469) [701]
 Bifidobacterium magnum (ATCC 27540) [702]
 Bifidobacterium cuniculi (ATCC 27916) [703]
 Bifidobacterium animalis (ATCC 25527) [704]
 Bifidobacterium globosum (ATCC 25865) [705]
 Bifidobacterium bifidum (DSM 20456) [706]
 Bifidobacterium angulatum (ATCC 27535) [707]
 Bifidobacterium catenulatum str. B669 (ATCC 27539) [708]
 Bifidobacterium pseudocatenulatum (ATCC 27919) [709]



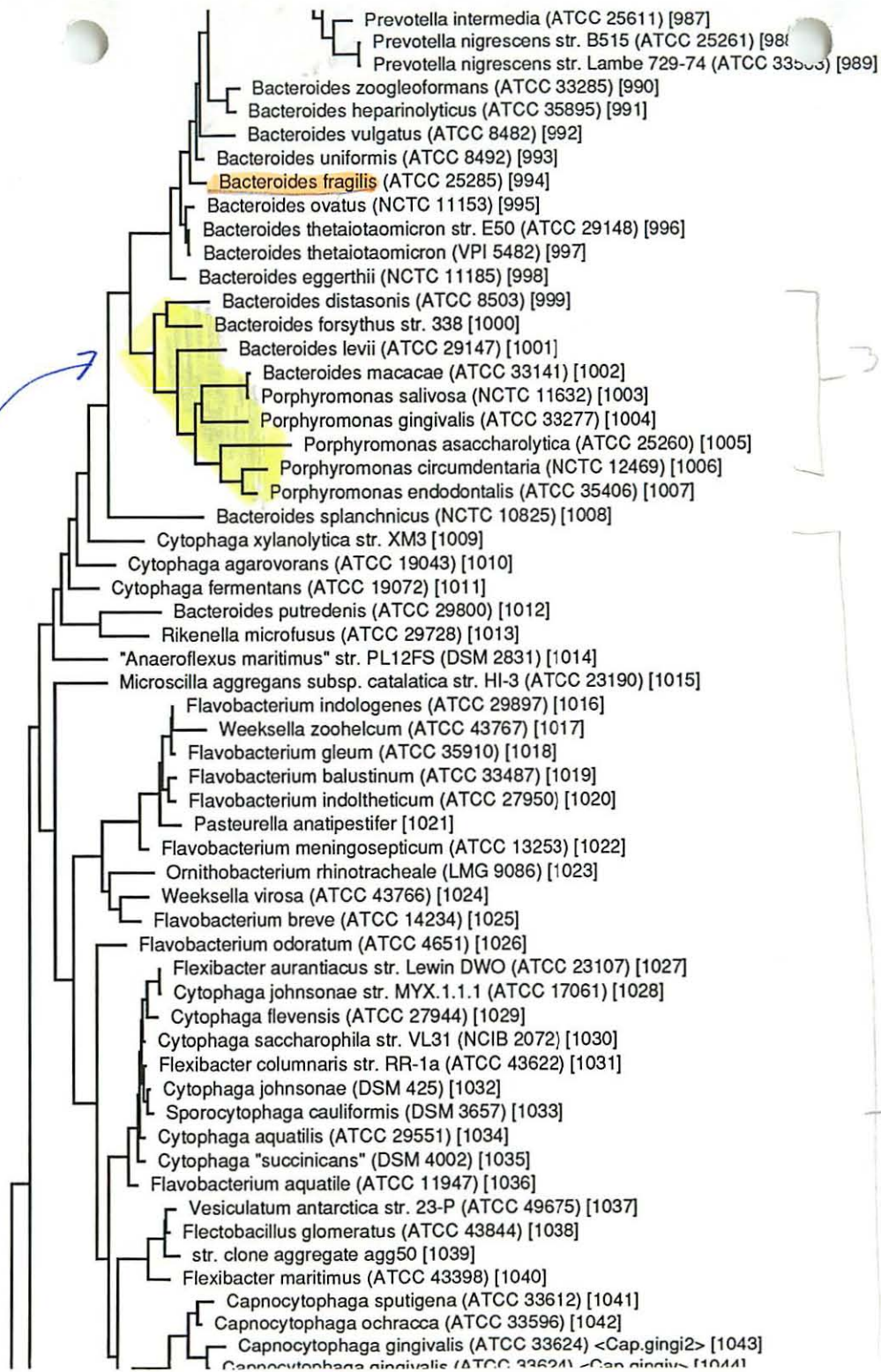
Saccharopolyspora hirsuta str. A54 (ATCC 49856) [764]
 Saccharopolyspora caryophylli str. M5-12259 (NRRL 2338) [765]
 Saccharopolyspora rectivirgula (ATCC 33515) [766]
 Actinopolyspora halophila [767]
 Saccharomonospora viridis (ATCC 15386) [768]
 Kibdelosporangium aridum [769]
 Amycolatopsis azurae (NRRL 11412) [770]
 Amycolatopsis methanolica (NCIB 11946) [771]
 Amycolatopsis fastidiosa (ATCC 31181) [772]
 Saccharothrix australiensis [773]
 Pseudonocardia thermophila str. A18 (ATCC 19285) [774]
 Amycolata autotrophica (DSM 43210) [775]
 Amycolata nitrificans (IFAM 379) [776]
 Pseudoamycolata halophobica (DSM 43089) [777]
 Amycolata petrophileia (IFAM 78) [778]
 Nocardia asteroides [779]
 Nocardia asteroides str. N 19 (DSM 43005) [780]
 Nocardia otitidiscaviarum (ATCC 14629) [781]
 Rhodococcus equi [782]
 Rhodococcus erythropolis (DSM 43188) [783]
 Rhodococcus fascians str. CF19 (DSM 20131) [784]
 Rhodococcus rhodochrous [785]
 Corynebacterium renale (ATCC 19412) [786]
 Corynebacterium otitidis [787]
 Corynebacterium variabilis str. FK 31 (NCIB 9455) [788]
 Corynebacterium xerosis (ATCC 373) [789]
 Gordona bronchialis (DSM 43247) [790]
 Gordona terrae (DSM 43249) [791]
 Tsukamurella paurometabolum (NCTC 10741) [792]
 Tsukamurella paurometabolum (DSM 20162) [793]
 Mycobacterium sphagni str. Sph29 (ATCC 33026) [794]
 Mycobacterium madagascariense (ATCC 49865) [795]
 Mycobacterium confluentis [796]
 Mycobacterium smegmatis str. W-113 (ATCC 14468) [797]
 Mycobacterium thermoresistibile (ATCC 19527) [798]
 Mycobacterium sp. str. chromogen [799]
 Mycobacterium flavescens (ATCC 14474) [800]
 Mycobacterium phlei (ATCC 11758) [801]
 Mycobacterium komossense str. Ko2 (ATCC 33013) [802]
 Mycobacterium aichiense (ATCC 27280) [803]
 Mycobacterium gilvum (ATCC 43909) [804]
 Mycobacterium obuense (ATCC 27023) [805]
 Mycobacterium chubuense (ATCC 27278) [806]
 Mycobacterium vaccae (ATCC 15483) [807]
 Mycobacterium aurum (ATCC 23366) [808]
 Mycobacterium fortuitum subsp. fortuitum (ATCC 6841) [809]
 Mycobacterium senegalense (ATCC 35796) [810]
 Mycobacterium farcinogenes (DSM 43294) [811]
 Mycobacterium chelonae (ATCC 14472) [812]
 Mycobacterium chelonae subsp. abscessus str. L948 (ATCC 19977) [813]
 Mycobacterium neoaurum (ATCC 25795) [814]
 Mycobacterium diernhoferi str. SN 1418 (ATCC 19340) [815]
 Mycobacterium fallax (ATCC 35219) [816]
 Mycobacterium chitae (ATCC 19630) [817]
 Mycobacterium chitae (ATCC 19627) [818]
 Mycobacterium gadium (ATCC 27726) [819]
 Mycobacterium triviale (ATCC 23292) [820]
 Mycobacterium neoaurum (ATCC 25795) [821]

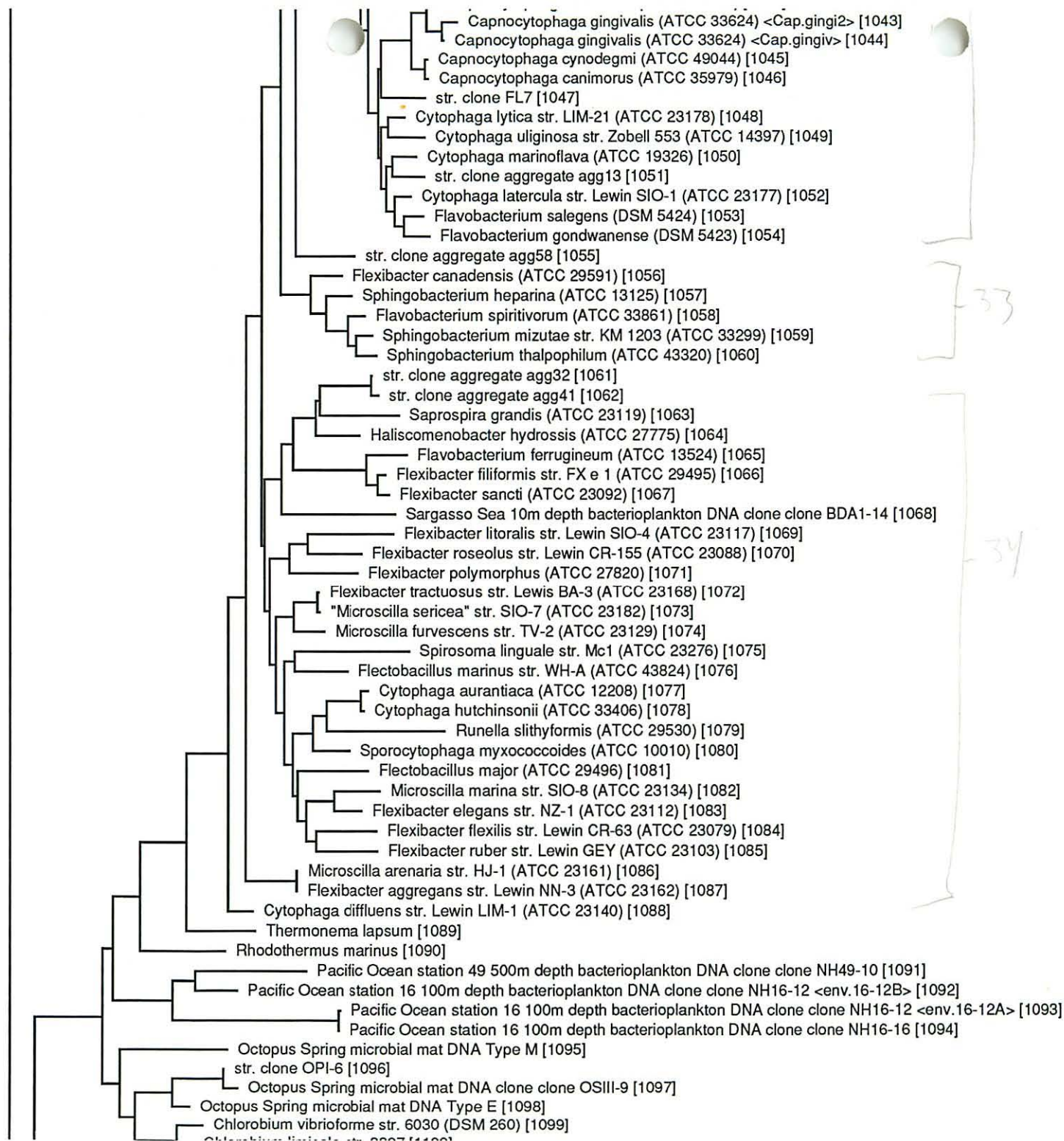
Mycobacterium *triviale* (ATCC 23292) [820]
Mycobacterium *nonch.* *genicum* (ATCC 19530) [821]
Mycobacterium *hiberniae* (ATCC 9874) [822]
Mycobacterium *terrae* (ATCC 15755) [823]
Mycobacterium *xenopi* (ATCC 19250) [824]
Mycobacterium *shimoidei* [825]
Mycobacterium *celatum* (ATCC 51130) [826]
Mycobacterium *celatum* (ATCC 51131) [827]
Mycobacterium *cookii* str. NZ2 (ATCC 49103) [828]
Mycobacterium *asiaticum* str. N6IH (ATCC 25276) [829]
Mycobacterium *gordonae* str. P-15 (ATCC 14470) [830]
Mycobacterium *geneveuse* [831]
Mycobacterium sp. [832]
Mycobacterium *simiae* (ATCC 25275) [833]
Mycobacterium *szulgai* (ATCC 35799) [834]
Mycobacterium *malmoense* str. Mo 816 (ATCC 29571) [835]
Mycobacterium *haemophilum* [836]
Mycobacterium *microti* str. OV 254 [837]
Mycobacterium *tuberculosis* str. H37/Rv [838]
Mycobacterium *bovis* str. BCG [839]
Mycobacterium *bovis* str. vallee [840]
Mycobacterium *marinum* [841]
Mycobacterium *ulcerans* <Myb.ulcrns> [842]
Mycobacterium *ulcerans* <Myb.ulcrn2> [843]
Mycobacterium *leprae* str. LTB [844]
Mycobacterium *leprae* <Myb.leprae> [845]
Mycobacterium *leprae* <Myb.lepra5> [846]
Mycobacterium *leprae* <Myb.lepra4> [847]
Mycobacterium *leprae* from skin nodules of the nine-banded armadillo [848]
Mycobacterium *leprae* str. armadillo grown [849]
Mycobacterium *leprae* <Myb.lepra2> [850]
Mycobacterium *kansasii* str. SN 502 (DSM 43224 (not the strain)) [851]
Mycobacterium *gastri* str. W-417 (ATCC 15754) [852]
Mycobacterium *kansasii* str. G133 (A. Pollak) (ATCC 12478) [853]
Mycobacterium *kansasii* [854]
Mycobacterium *intermedium* [855]
Mycobacterium *scrofulaceum* (ATCC 19981) [856]
Mycobacterium sp. str. 3937 [857]
Mycobacterium *intracellulare* str. 1-13 (Brennan#29) [858]
Mycobacterium *intracellulare* str. 8-3 (Brennan#36) [859]
Mycobacterium *intracellulare* str. SN 424 (ATCC 15985) [860]
Mycobacterium *intracellulare* subsp. serovar 16 str. 1-19 (Brennan#31) [861]
Mycobacterium *intracellulare* subsp. serovar 23 [862]
Mycobacterium *intracellulare* subsp. serovar 16 str. 1-18 (Brennan#30) [863]
Mycobacterium *paratuberculosis* bovine isolate str. peip [864]
Mycobacterium *avium* subsp. serovar 8 str. SJB#2 [865]
Mycobacterium *avium* str. serovar 1 [866]
Mycobacterium *avium* str. serovar 4 [867]
Mycobacterium *paratuberculosis* str. Dx8610316 [868]
Mycobacterium *paratuberculosis* [869]
Mycobacterium *paratuberculosis* str. wein [870]
Mycobacterium *paratuberculosis* str. Dx8709991 [871]
Mycobacterium *avium* subsp. serovar 11 str. IIb (TMC-1462) [872]
Mycobacterium *avium* str. 8-2 (Brennan#35) [873]
Mycobacterium *avium* str. Brennan#34 [874]
Mycobacterium *avium* subsp. serovar 10 str. 9-60 [875]
Mycobacterium *avium* str. 11-11 (Brennan#38) [876]

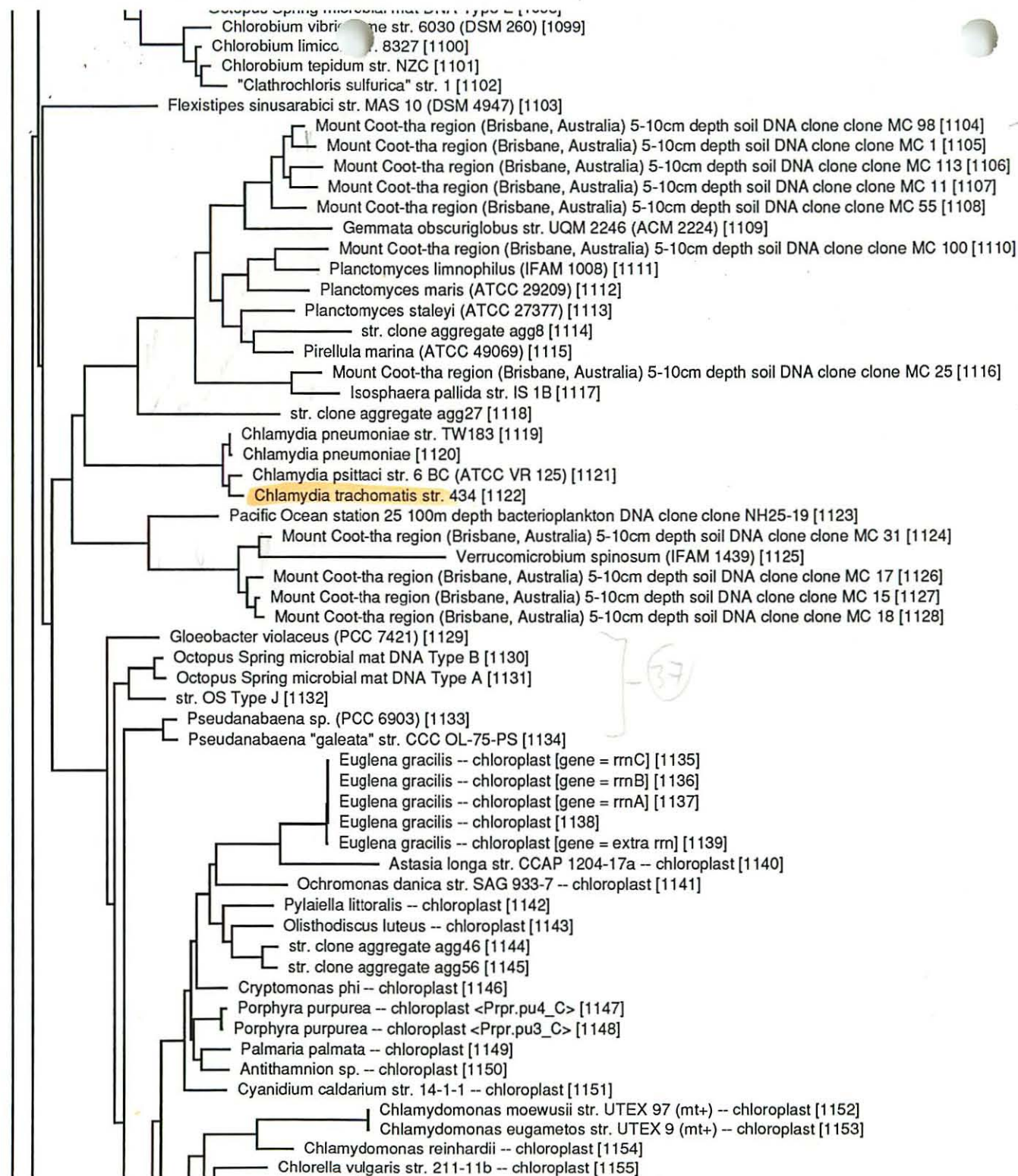


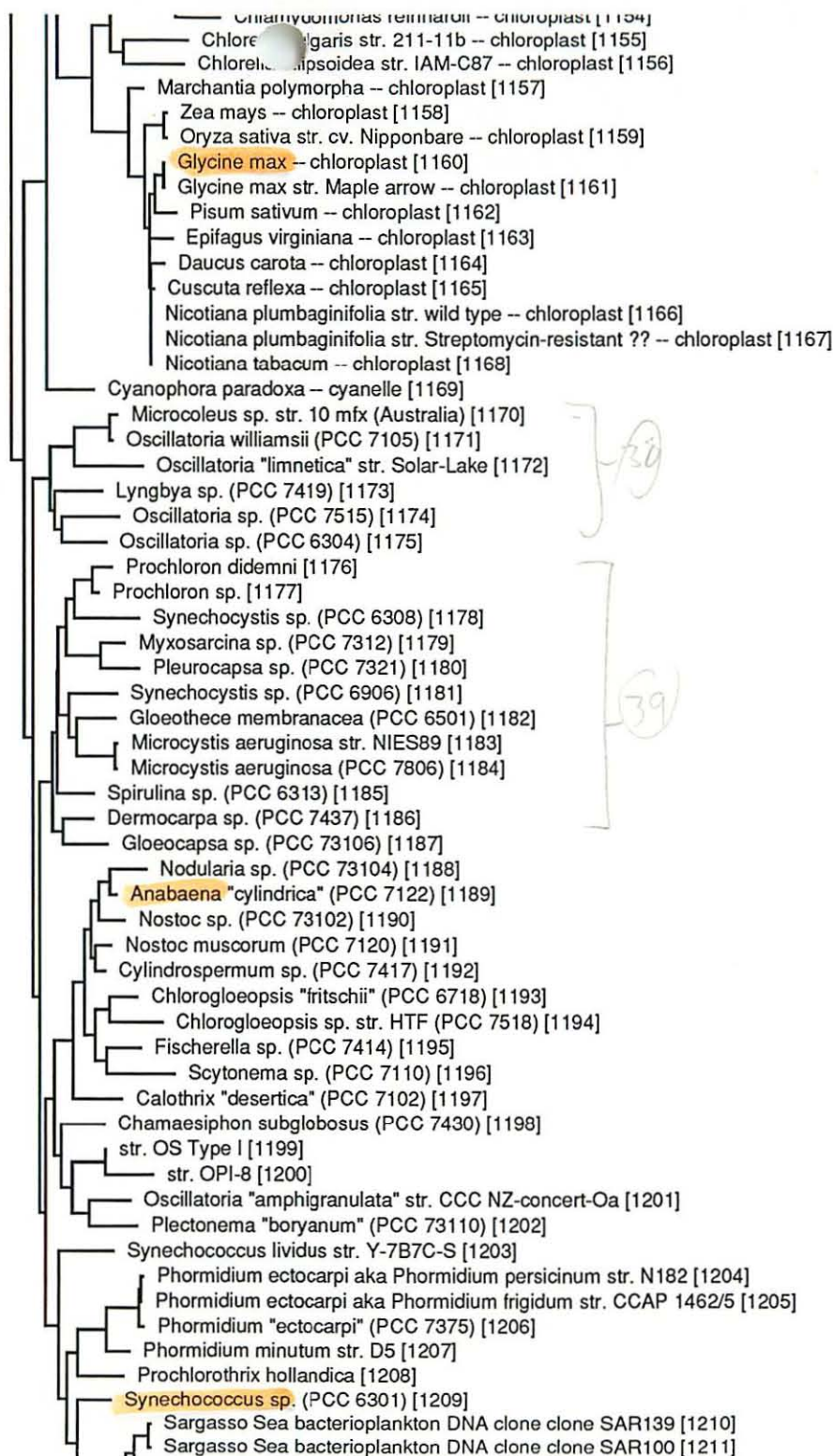
Clostridium kluyveri (ATCC 8527) [931]
 Clostridium cochlear (ATCC 17787) [932]
 Clostridium malenominatum (ATCC 25776) [933]
 Clostridium tetanomorphum (NCIMB 11547) [934]
 Clostridium scatologenes (ATCC 25775) [935]
 Clostridium histolyticum (ATCC 19401) [936]
 Clostridium proteolyticum (ATCC 49002) [937]
 Clostridium limosum (ATCC 25620) [938]
 Clostridium sardiniensis (ATCC 33455) [939]
 Clostridium collagenovorans (ATCC 49001) [940]
 Clostridium cadaveris (ATCC 25783) [941]
 Clostridium perfringens (ATCC 13124) [942]
 Clostridium perfringens str. CPN50 [943]
 Eubacterium tarantellus (ATCC 29255) [944]
 Clostridium fallax (ATCC 19400) [945]
 Clostridium butyricum str. E.VI.3.6.1 (NCIMB 8082) [946]
 Clostridium butyricum <C.butyric3> [947]
 Clostridium butyricum str. Rowett (ATCC 19398) [948]
 Clostridium butyricum <C.butyric2> [949]
 Clostridium beijerinckii <C.beijeri3> [950]
 Clostridium beijerinckii <C.beijeri2> [951]
 Clostridium acetobutylicum (NCIMB 8052) [952]
 Clostridium puniceum (DSM 2619) <C.puneciu2> [953]
 Clostridium puniceum (DSM 2619) <C.punecium> [954]
 Clostridium botulinum <C.botulin5> [955]
 Clostridium botulinum <C.botulin4> [956]
 Clostridium botulinum <C.botulin3> [957]
 Clostridium aurantibutyricum (NCIB 10659) [958]
 Clostridium chartatabidum (DSM 5482) [959]
 Clostridium cellulovorans (DSM 3052) <C.celluvor> [960]
 Clostridium cellulovorans (DSM 3052) <C.celluvo2> [961]
 Clostridium barati (VPI 1586) [962]
 Clostridium paraputrificum (ATCC 25780) [963]
 Clostridium carnis (ATCC 25777) [964]
 Eubacterium moniliforme (ATCC 25546) [965]
 Eubacterium multiforme (ATCC 20694) [966]
 Eubacterium budayi (ATCC 25541) [967]
 Clostridium barati <C.barati3> [968]
 Eubacterium nitritogenes (DSM 3985) [969]
 Clostridium barati <C.barati2> [970]

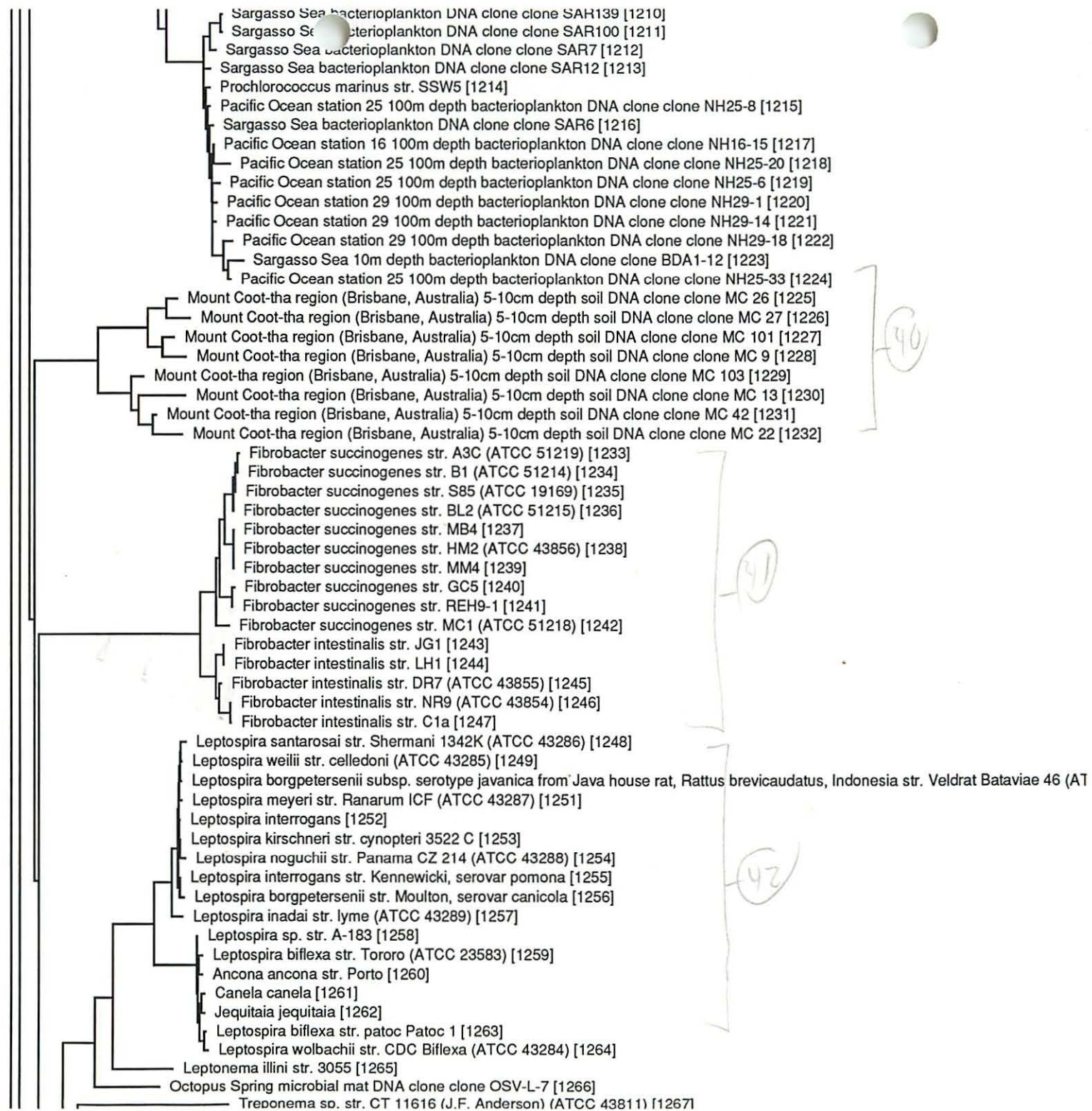
Prevotella oralis (ATCC 33269) [971]
 Prevotella loescheii (ATCC 15930) [972]
 Prevotella buccalis (ATCC 35310) [973]
 Prevotella buccae str. VPI D3A-6 (ATCC 33574) [974]
 Prevotella buccae str. 938.11 (ATCC 33690) [975]
 Prevotella oris (ATCC 33573) [976]
 Prevotella ruminicola (ATCC 19189) [977]
 Prevotella bivia (ATCC 29303) [978]
 Prevotella oulora (ATCC 43324) [979]
 Prevotella veroralis (ATCC 33779) [980]
 Prevotella denticola (ATCC 33185) [981]
 Prevotella denticola str. 1210 (ATCC 35308) [982]
 Prevotella melaninogenica str. B282 (ATCC 25845) [983]
 Prevotella melaninogenica str. N-58-71A (ATCC 43982) [984]
 Prevotella corporis (ATCC 33547) [985]
 Prevotella disiens (ATCC 29426) [986]
 Prevotella intermedia (ATCC 25611) [987]
 Prevotella niarescens str. B515 (ATCC 25261) [988]

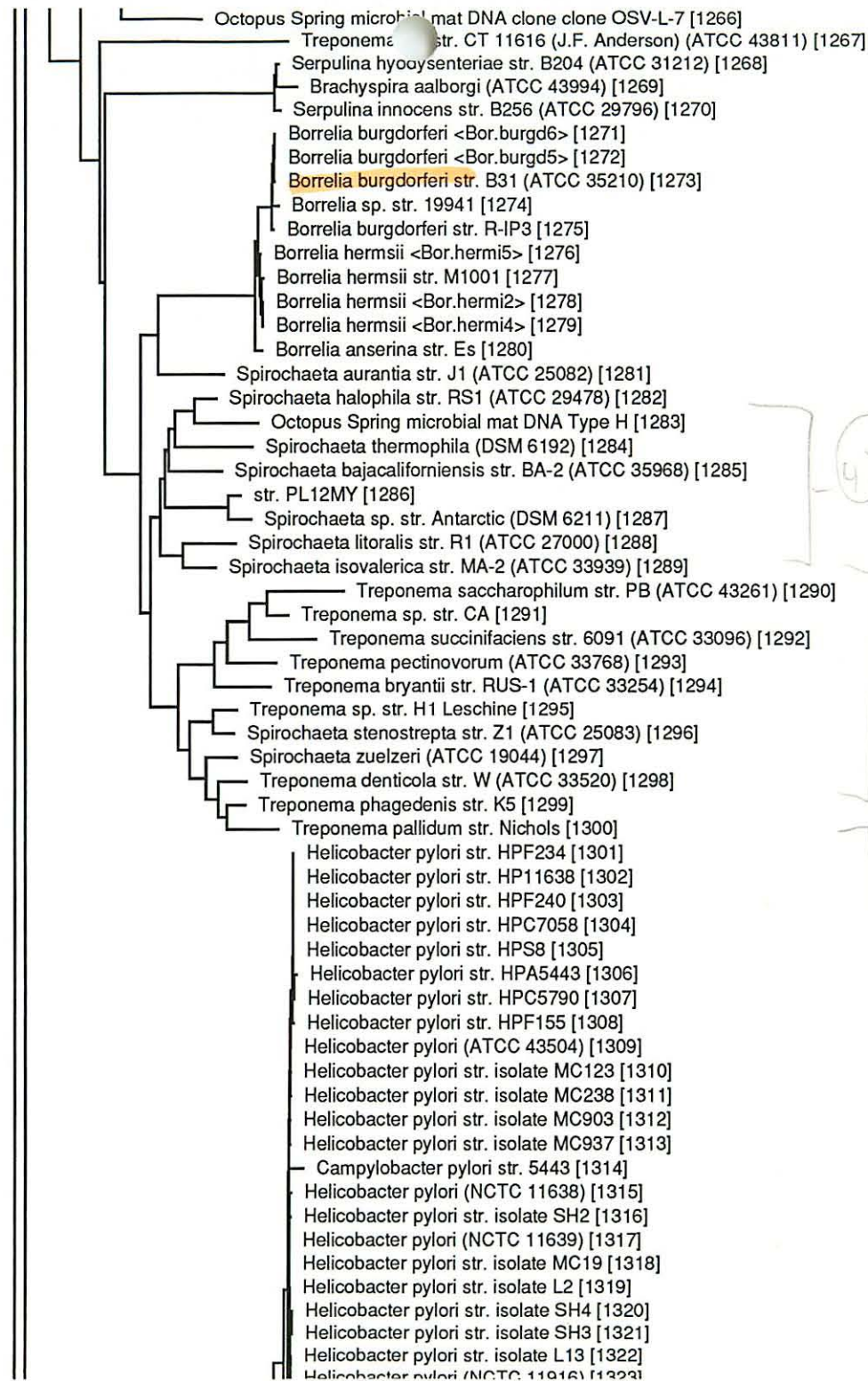


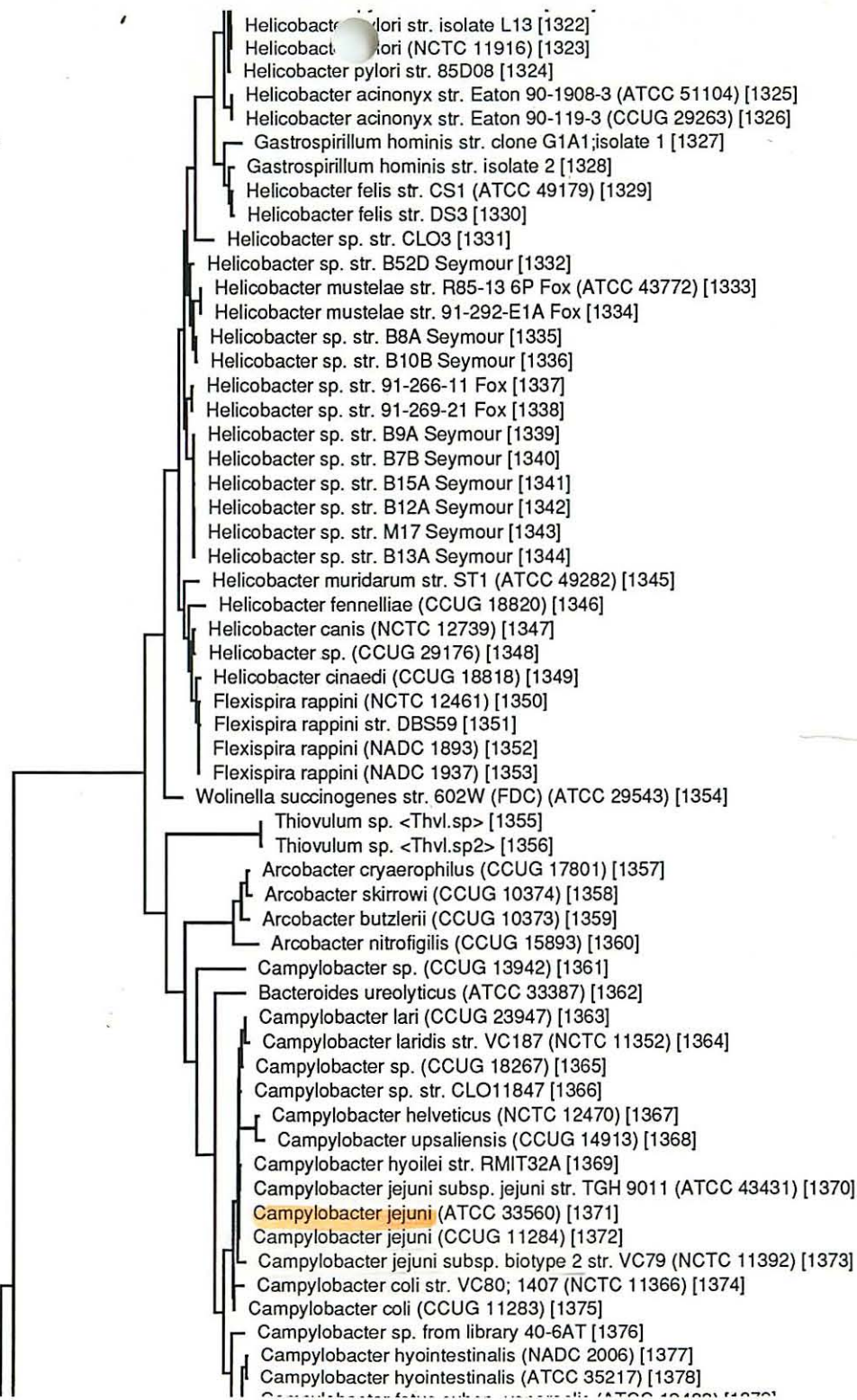


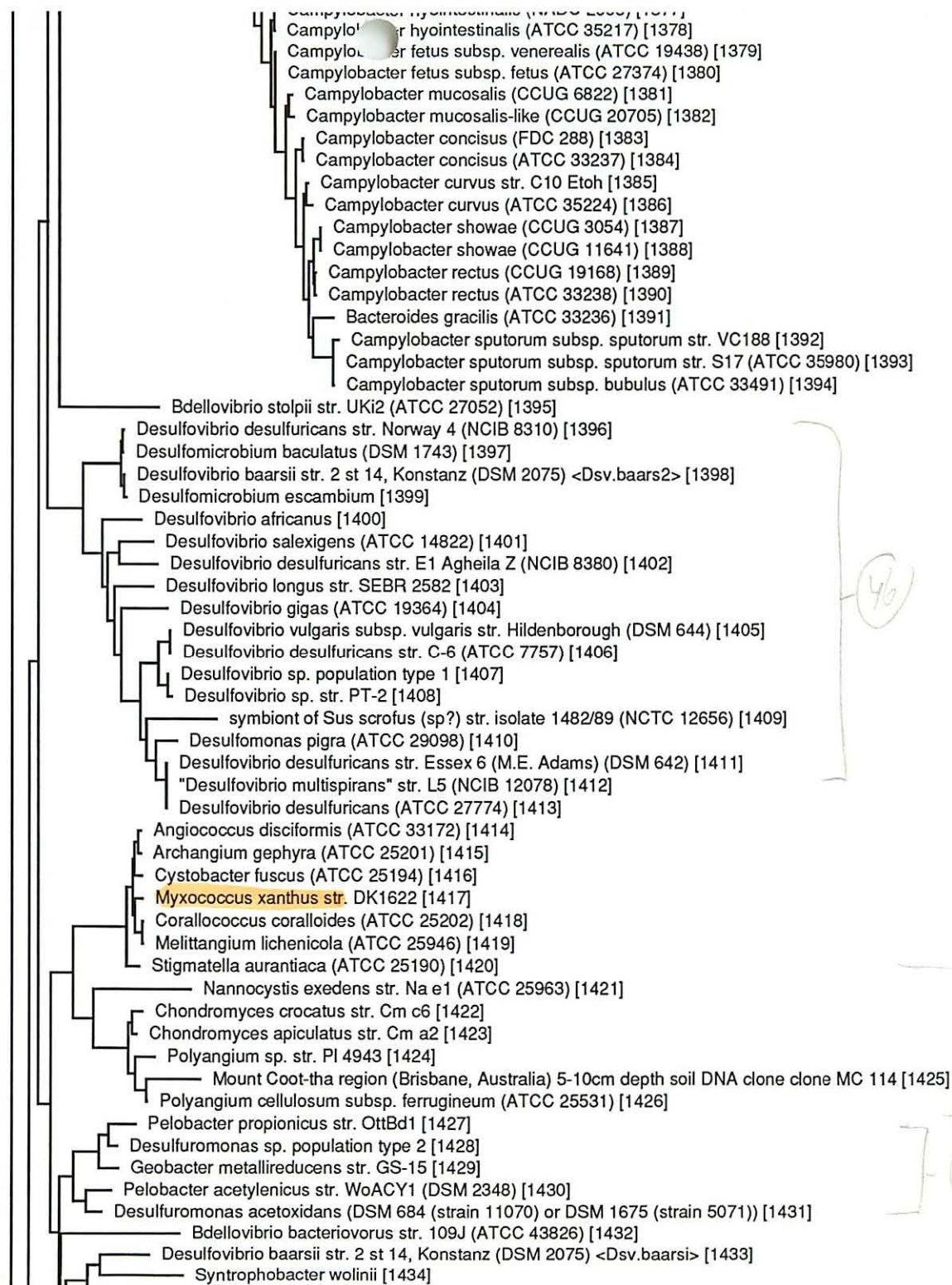










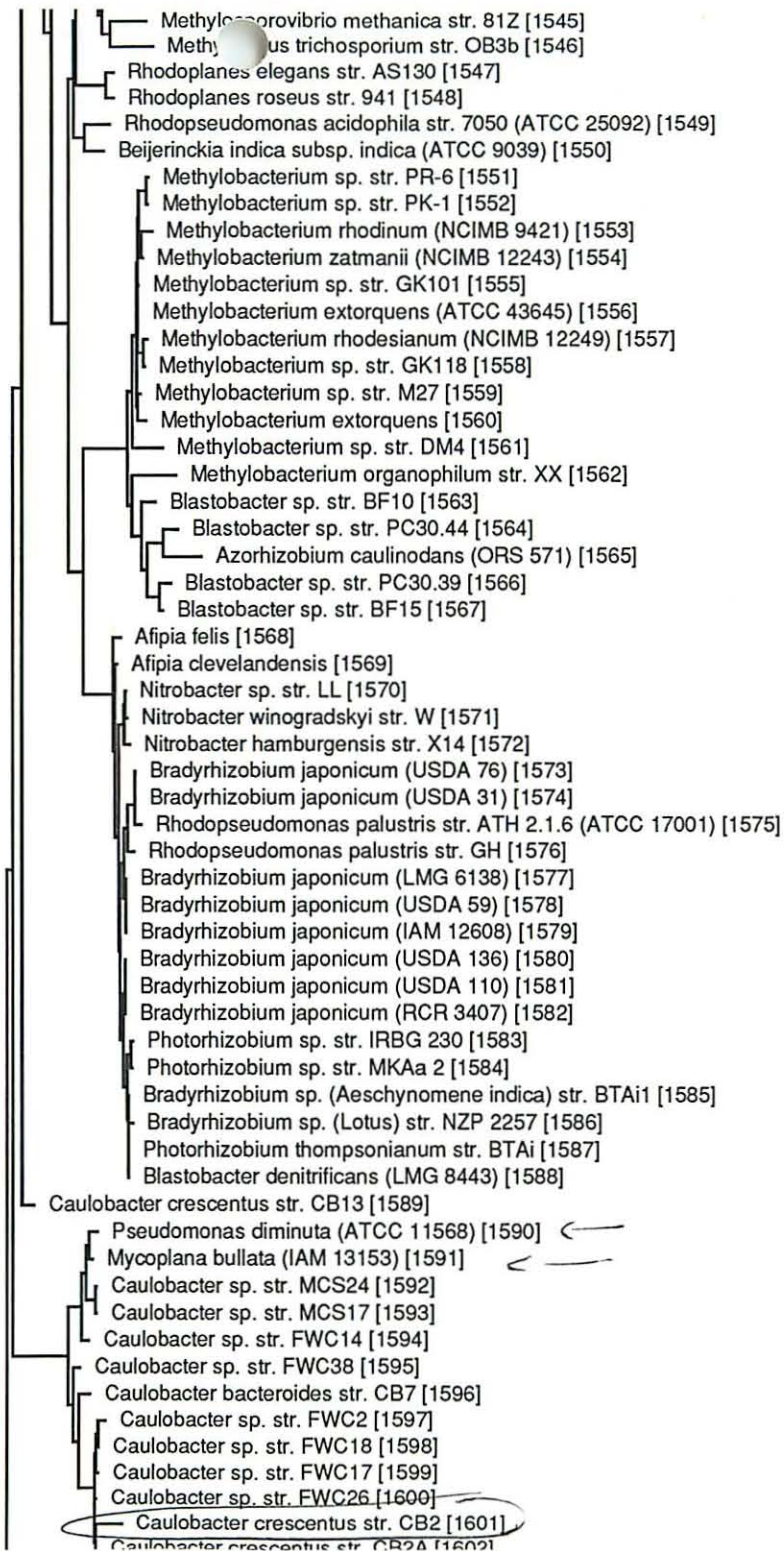


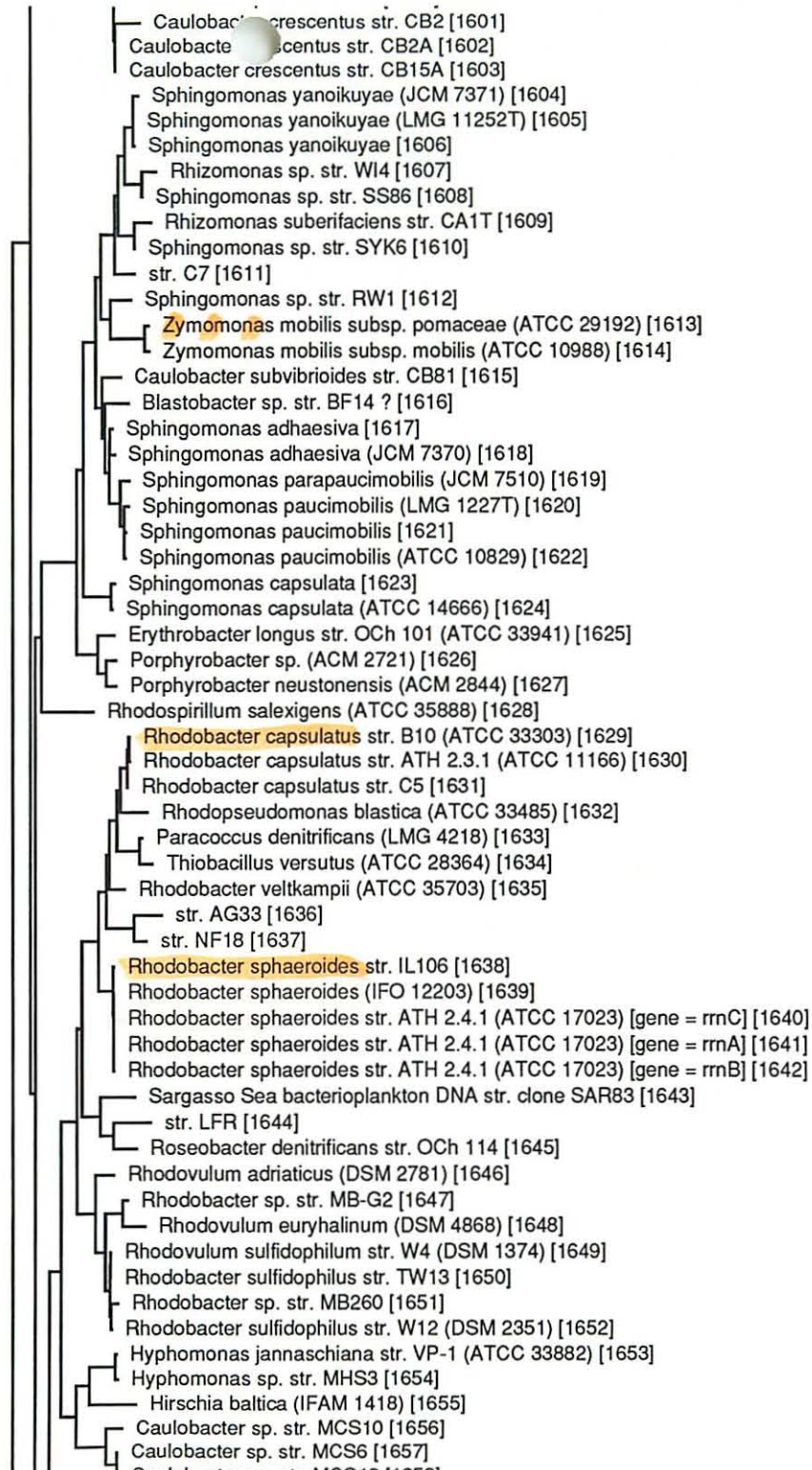
Desulfovibrio baarsii str. 2 st 14, Konstanz (DSM 2075) [1433]
 Syntrophobacter wolfei [1434]
 Desulfomonile tiedjei str. DC-2 (ATCC 49306) [1435]
 Desulfobulbus sp. str. 3pr10 (DSM 2058) [1436]
 Desulfobulbus propionicus str. 1 pr 3, Lindhorst (ATCC 33891) [1437]
 Desulfococcus multivorans str. 1 be 1, Goettingen (ATCC 33890) [1438]
 Desulfovibrio sapovorans str. 1pa3, Lindhorst (ATCC 33892) [1439]
 iron sulfide containing magnetotactic bacterium clone MMP1990 [1440]
 iron sulfide containing magnetotactic bacterium clone MMP1991 [1441]
 Desulfosarcina variabilis str. 3 be 13, Montpellier (DSM 2060) [1442]
 Desulfobacterium vacuolatum (DSM 3385) [1443]
 Desulfobacterium niacini (DSM 2650) [1444]
 Desulfobacterium autotrophicum (DSM 3382) [1445]
 Desulfobacula toluolica str. Tol2 [1446]
 Desulfobacter postgatei str. 2 ac 9 (DSM 2034) [1447]
 Desulfobacter curvatus str. AcRM3 (DSM 3379) [1448]
 Desulfobacter sp. str. 3ac10 (DSM 2035) [1449]
 Desulfobacter hydrogenophilus str. AcRS1 (DSM 3380) [1450]
 Desulfobacter sp. str. 4ac11 (DSM 2057) [1451]
 Desulfobacter latus str. AcRS2 (DSM 3381) [1452]
 uncultured magnetotactic bacterium clone Cs310 [1453]
 uncultured magnetotactic bacterium clone Cs103 [1454]
 uncultured magnetotactic bacterium clone Cs308 [1455]
 str. MC-1 [1456]
 Rhizobium etli str. CLI-80 [1457]
 Rhizobium leguminosarum str. 191 [1458]
 Rhizobium etli str. CFN-234 [1459]
 Rhizobium etli str. CFN-244 [1460]
 Rhizobium sp. str. R602 [1461]
 Rhizobium leguminosarum subsp. phaseoli str. FL 27 [1462]
 Rhizobium leguminosarum (IAM 12609) [1463]
 Rhizobium etli str. CFN-265 [1464]
 Rhizobium leguminosarum subsp. phaseoli str. Olivia [1465]
 Rhizobium leguminosarum str. 162Y13 [1466]
 Rhizobium leguminosarum (LMG 8820) [1467]
 Rhizobium leguminosarum str. 162K10 [1468]
 Rhizobium leguminosarum str. 162K13 [1469]
 Rhizobium leguminosarum str. 8002 [1470]
 Rhizobium leguminosarum str. 162Y10 [1471]
 Rhizobium leguminosarum [1472]
 Agrobacterium rhizogenes (LMG 152) [1473]
 Agrobacterium rhizogenes (IAM 13570) [1474]
 Rhizobium leguminosarum (LMG 9518) [1475]
 Rhizobium tropici (IAM 14206) [1476]
 Rhizobium leguminosarum subsp. phaseoli str. CIAT 899 [1477]
 Rhizobium sp. (LMG 9509) [1478]
 Rhizobium tropici (LMG 9517) [1479]
 Rhizobium tropici str. IIA (USDA 2840) [1480]
 Rhizobium tropici str. IIA (USDA 9039) [1481]
 Rhizobium sp. str. (Leucaena) (TAL 1145) [1482]
 Rhizobium galegae (LMG 6214) [1483]
 Rhizobium galegae (IAM 13631) [1484]
 Rhizobium galegae (HAMB1 540) [1485]
 Agrobacterium vitis (IAM 14140) [1486]
 Agrobacterium vitis (LMG 8750) [1487]
 Agrobacterium tumefaciens (IAM 13129) [1488]
 Agrobacterium tumefaciens str. C-58 [1489]
 Agrobacterium rubi (IAM 13569) [1490]

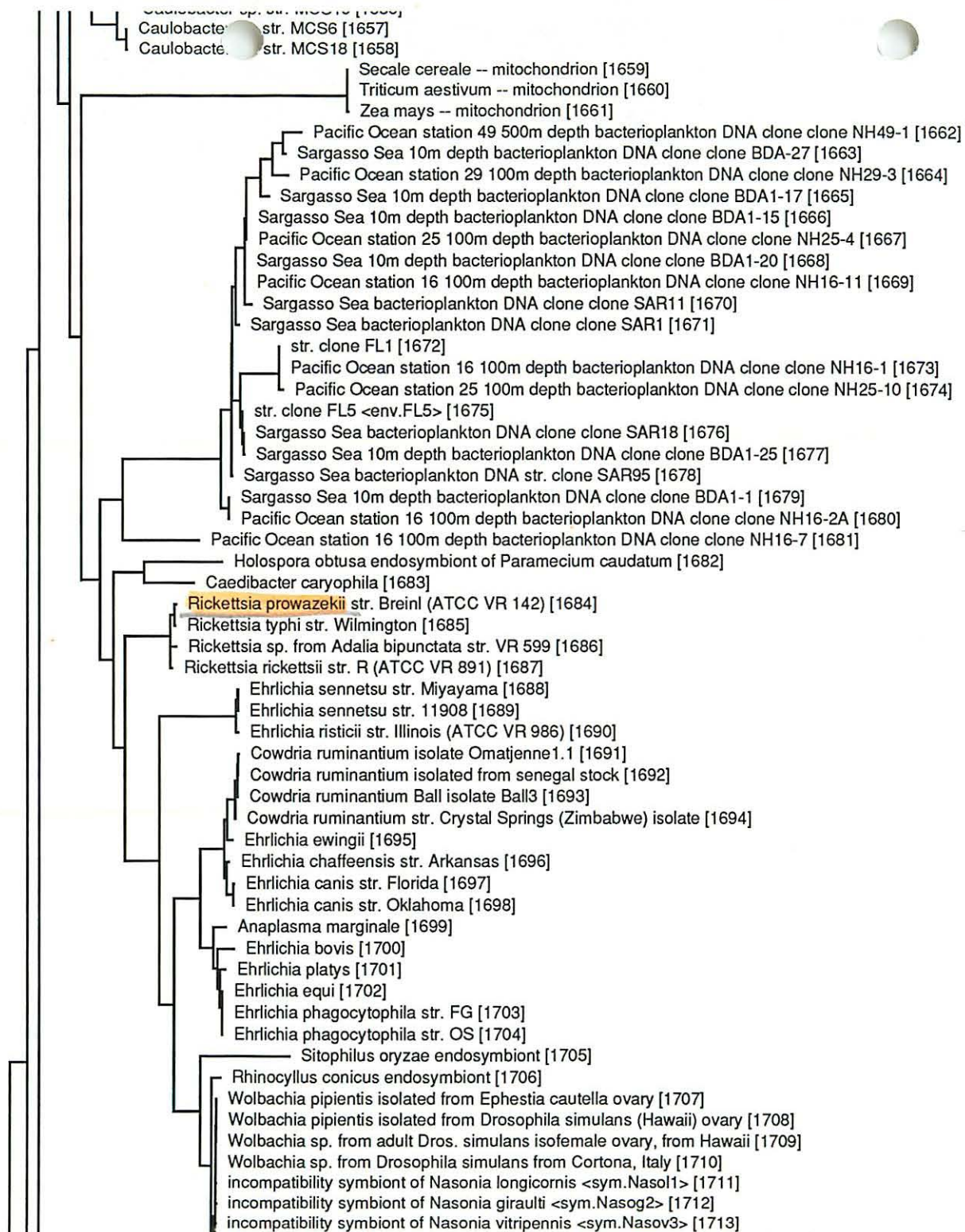
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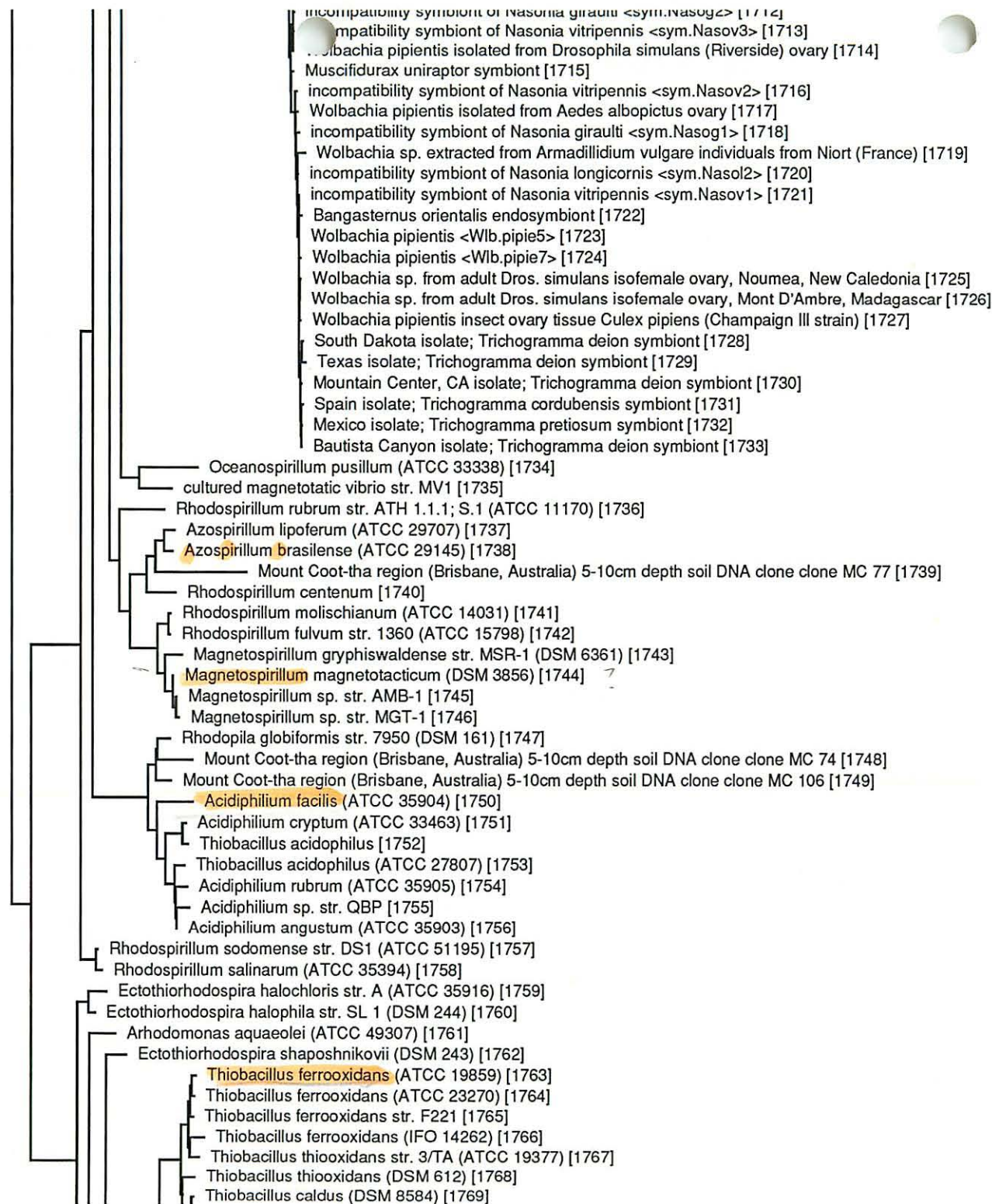
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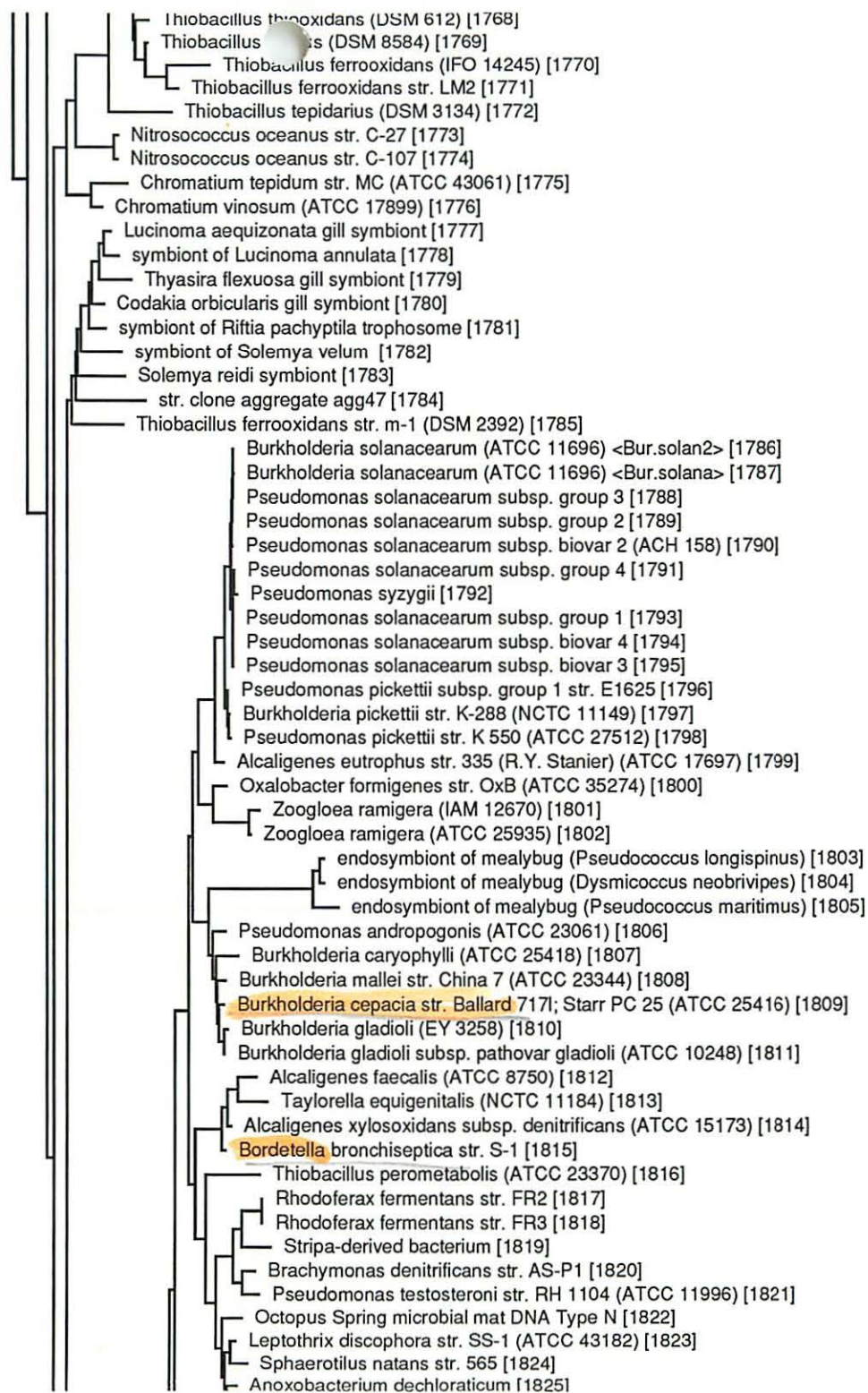
Agrobacterium tumefaciens str. C-58 [1489]
 Agrobacterium rubi (IAM 13569) [1490]
 Agrobacterium rubi (LMG 156) [1491]
 Agrobacterium tumefaciens (ATCC 4720) [1492]
 Agrobacterium tumefaciens (LMG 196) [1493]
 Agrobacterium tumefaciens (IAM 14141) [1494]
 Rhizobium meliloti (CC 169) [1495]
 Rhizobium fredii (LMG 6217) [1496]
 Rhizobium fredii (USDA 205) [1497]
 Sinorhizobium xinjiangensis (IAM 14142) [1498]
 Rhizobium fredii (IAM 13625) [1499]
 Rhizobium meliloti str. 3DOa2 (ATCC 9930) [1500]
 Rhizobium meliloti (CC 2013) [1501]
 Rhizobium tropici str. BR-816 [1502]
 Rhizobium meliloti (NZP 4017) [1503]
 Rhizobium meliloti (IAM 12611) [1504]
 Rhizobium meliloti (LMG 6133) [1505]
 Rhizobium sp. str. H152 [1506]
 Zoogloea ramigera (IAM 12669) [1507]
 Zoogloea ramigera (ATCC 19623) [1508]
 Bartonella bacilliformis (NCTC 12138) [1509]
 Bartonella bacilliformis [1510]
 Bartonella elizabethae str. F9251; B91-002005 (ATCC 49927) [1511]
 Bartonella vinsonii [1512]
 Bartonella quintana str. Fuller (ATCC VR 358) [1513]
 Rochalimaea henselae [1514]
 Rochalimaea henselae str. BA-TF <Roc.hense2> [1515]
 Rochalimaea henselae str. BA-TF <Roc.hense3> [1516]
 Mycoplasma dimorpha (IAM 13154) [1517]
 Ochrobactrum anthropi (IAM 14119) [1518]
 Brucella abortus str. 11/19 [1519]
 Phyllobacterium myrsinacearum (IAM 13584) [1520]
 Phyllobacterium rubiacearum (IAM 13587) [1521]
 Rhizobium loti (IAM 13588) [1522]
 Rhizobium huakuii (IAM 14158) [1523]
 str. ER2 [1524]
 Rhizobium loti (NZP 2213) [1525]
 Rhizobium loti (LMG 6125) [1526]
 Rhizobium loti (LMG 4284) [1527]
 Octopus Spring microbial mat DNA Type O [1528]
 Rhodopseudomonas marina subsp. agilis str. GN-14 [1529]
 Hyphomicrobium vulgare str. MC-750 (ATCC 27500) [1530]
 Rhodocyclidium vanniellii str. EY33 (ATCC 51194) [1531]
 Ancylobacter aquaticus (ATCC 25396) [1532]
 Aquabacter spiritensis str. SPL-1 (ATCC 43981) [1533]
 Azorhizobium caulinodans (LMG 6465) [1534]
 Mount Coot-tha region (Brisbane, Australia) 5-10cm depth soil DNA clone clone MC 24 [1535]
 Rhodopseudomonas viridis (ATCC 19567) [1536]
 Methylocystis minimus str. isolate 42 [1537]
 Methylocystis pyriformis [1538]
 Methylocystis echinoides str. isolate 2 [1539]
 Methylosinus sporium [1540]
 Methylosinus sp. str. LAC [1541]
 str. B-3060 [1542]
 Methylosinus sp. str. B [1543]
 Methylocystis parvus str. OBBP [1544]
 Methylosporovibrio methanica str. 81Z [1545]
 Methylosinus trichosporium str. OB3b [1546]

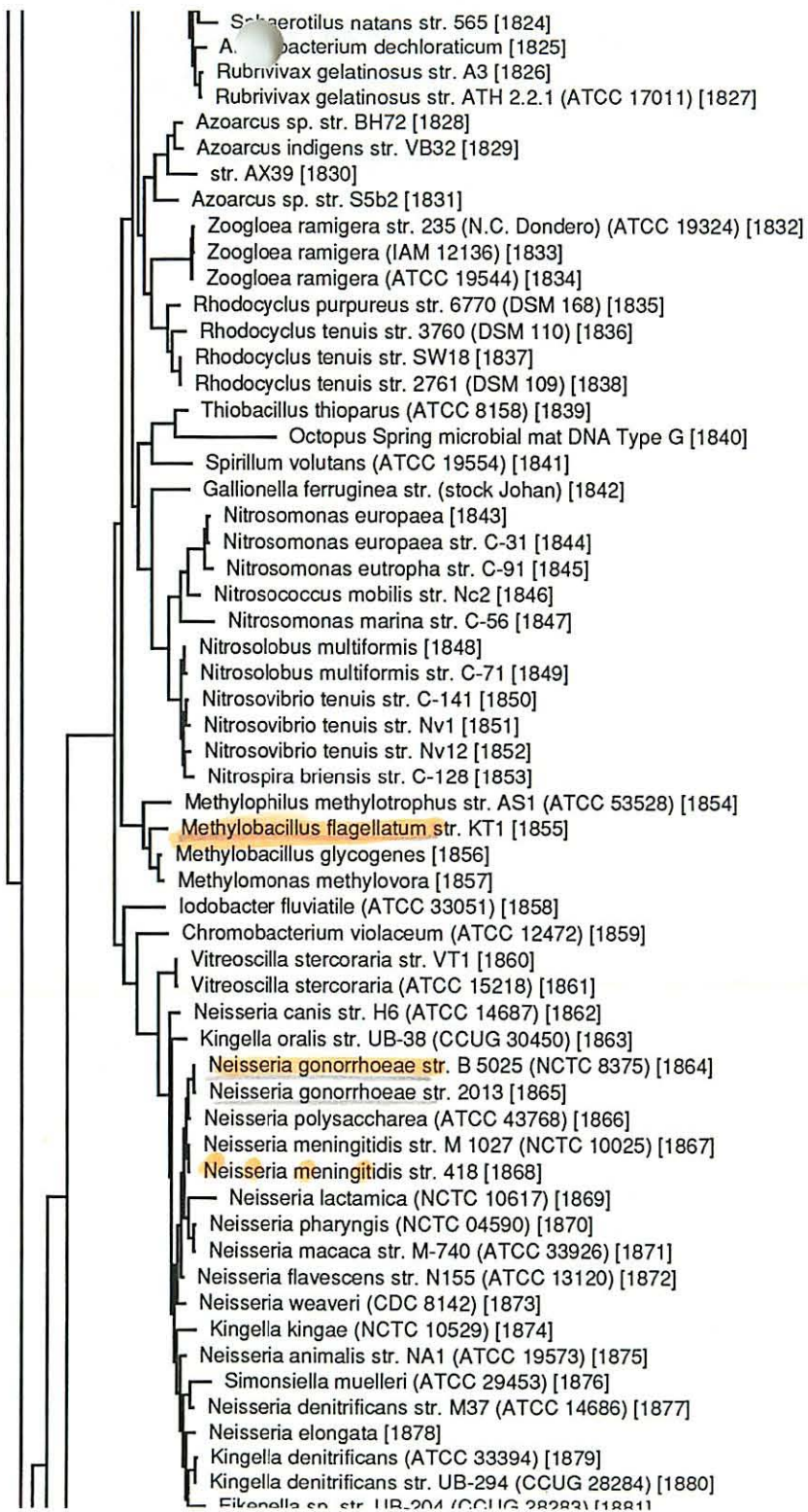


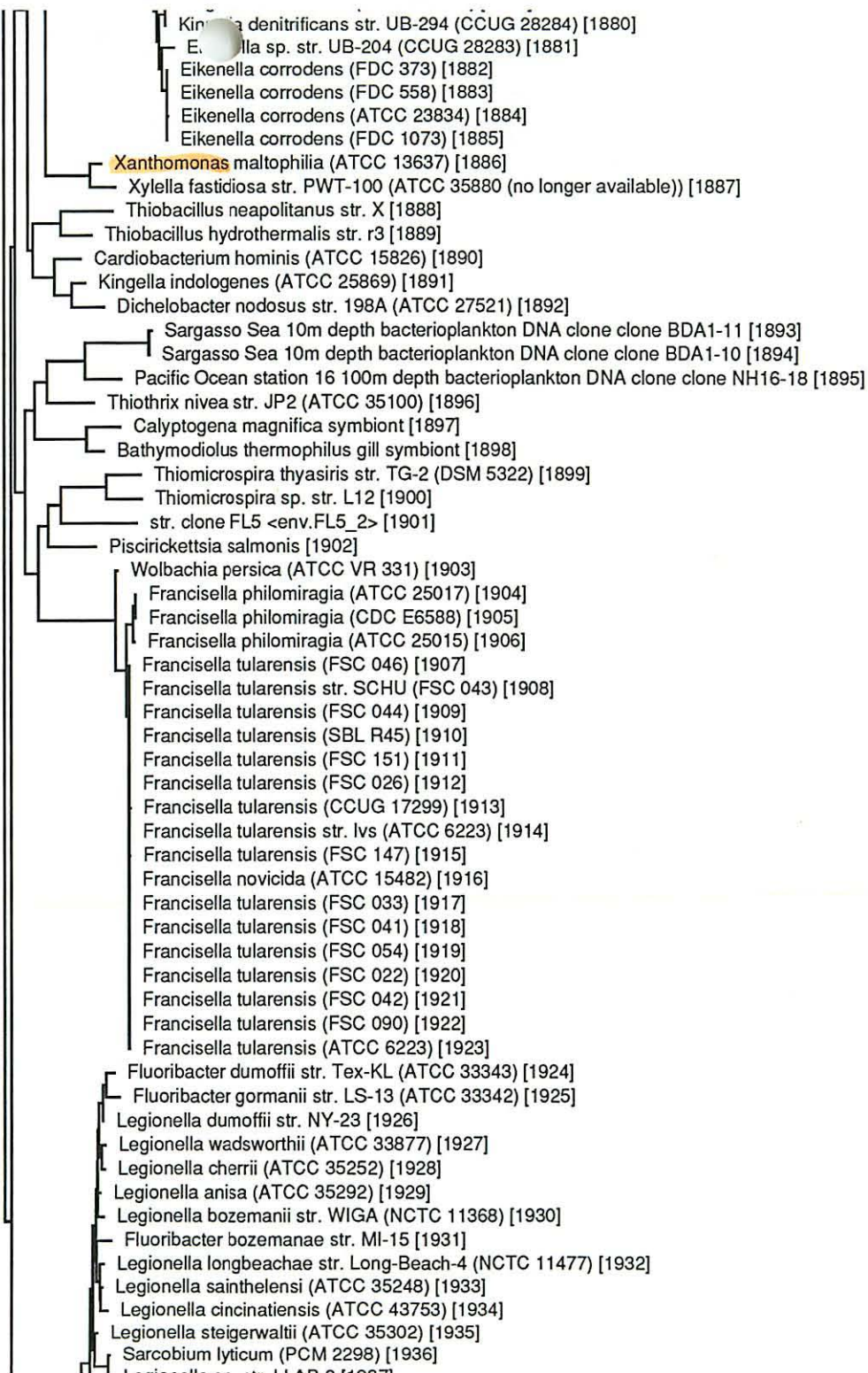


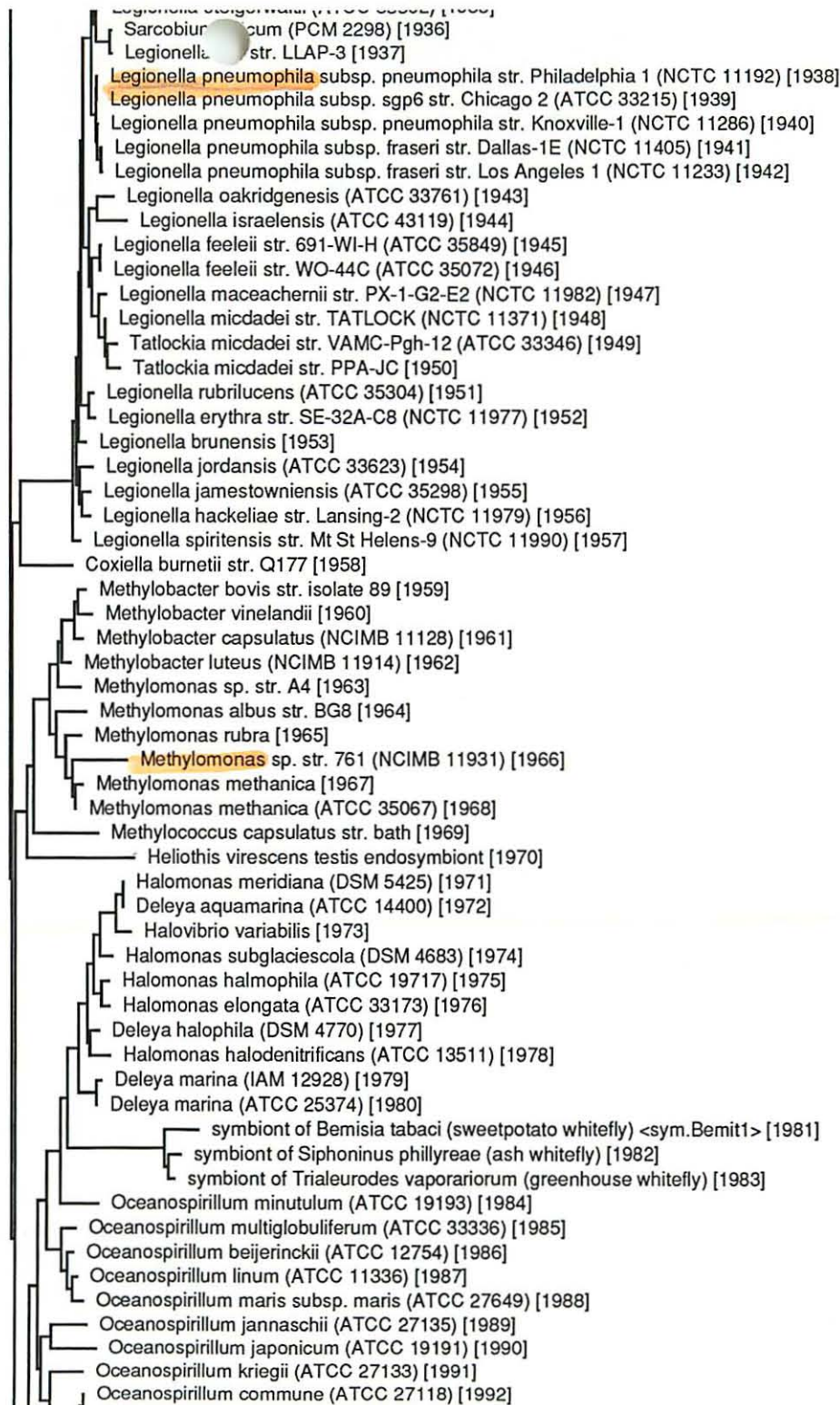


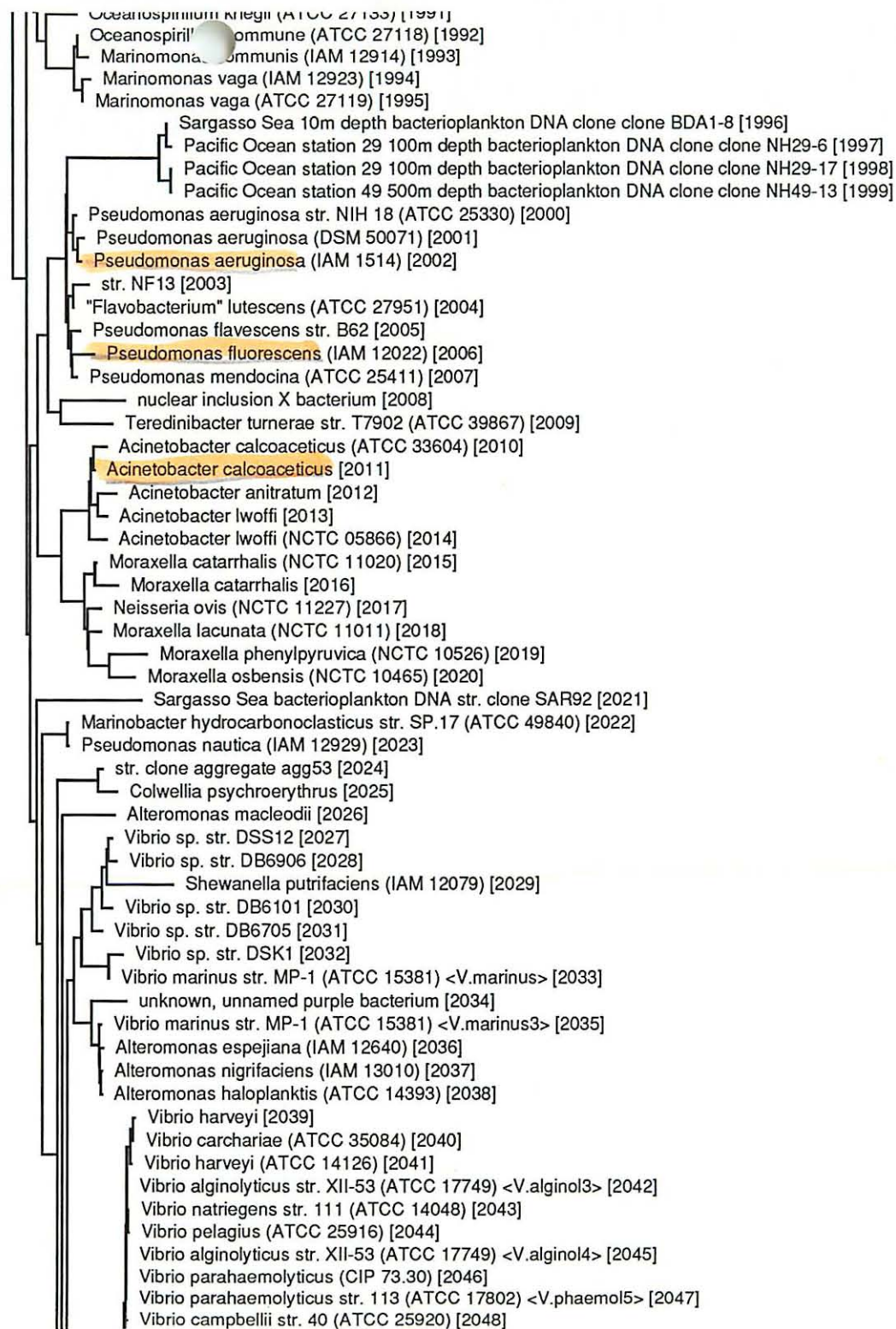






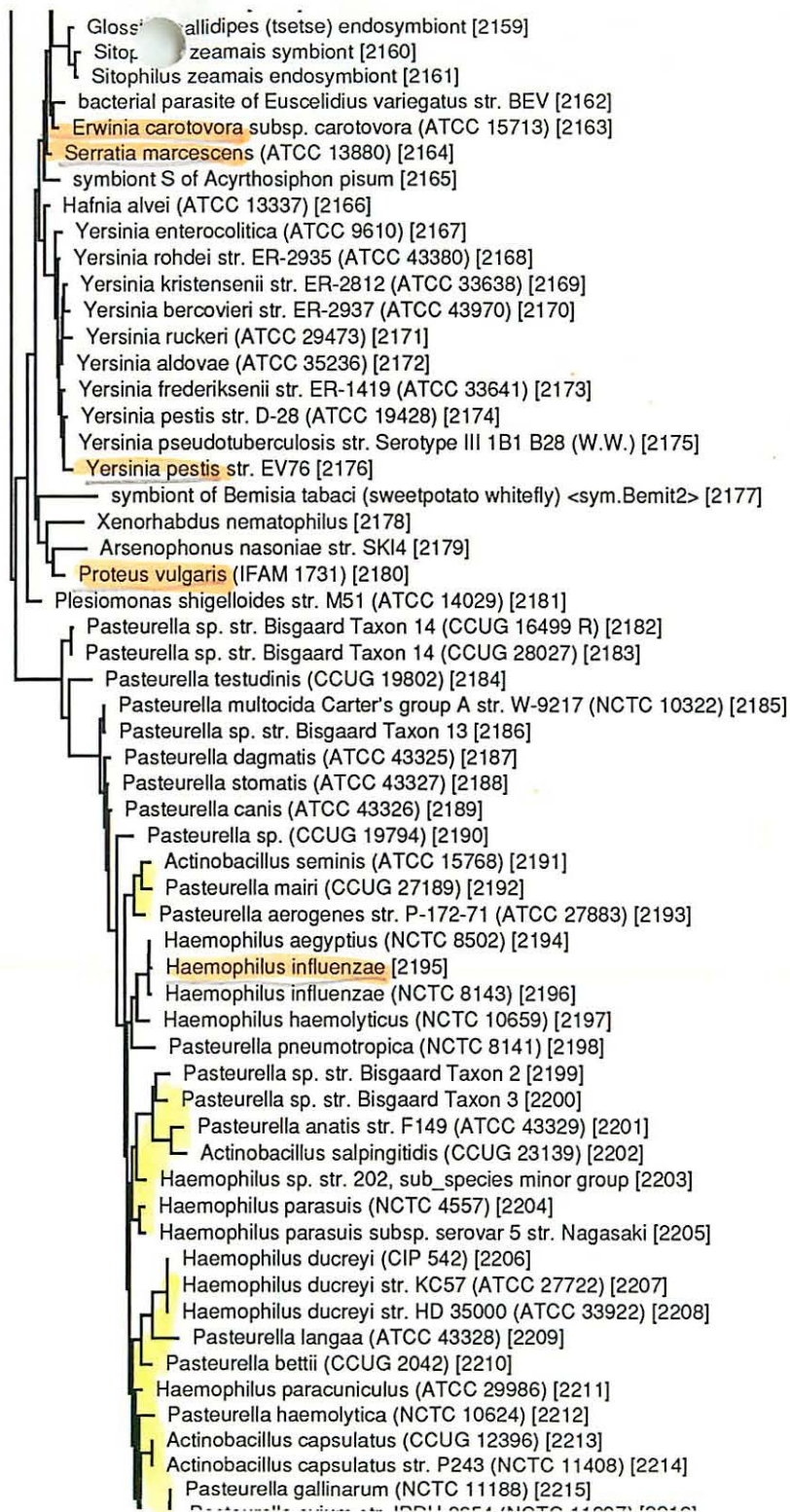






Vibrio parahaemolyticus str. 113 (ATCC 17802) <V.phaemol5> [2047]
Vibrio *bellii* str. 40 (ATCC 25920) [2048]
Vibrio *parahaemolyticus* str. 262 (NCIMB 1326) [2049]
Vibrio *nigripulchritudo* (ATCC 27043) [2050]
Vibrio *logei* str. PS207 (R.R. Colwell) (ATCC 15382) [2051]
Photobacterium *fischeri* str. MJ-1 [2052]
Vibrio *fischeri* (ATCC 7744) [2053]
Vibrio parahaemolyticus str. 113 (ATCC 17802) <V.phaemol2> [2054]
Vibrio *tubiasahi* (ATCC 19109) [2055]
Vibrio *nereis* (ATCC 25917) [2056]
Vibrio *fluvialis* biovar 1, group F str. VL 5125 (NCTC 11328) [2057]
Listonella *pelagia* (ATCC 25916) [2058]
Vibrio *furnisii* (ATCC 35016) [2059]
Vibrio *mediterranei* (CIP 103203) [2060]
Vibrio *orientalis* str. 716 (ATCC 33933) [2061]
Vibrio *orientalis* str. 717 (ATCC 33934) [2062]
Vibrio *splendidus* (ATCC 33125) [2063]
Vibrio *vulnificus* (ATCC 29307) [2064]
Vibrio *navarrensis* (CIP 103381) [2065]
Vibrio *vulnificus* (ATCC 27562) [2066]
Vibrio *aestuarianus* str. OY-0-002 (ATCC 35048) [2067]
Vibrio *anguillarum* str. C510 (ATCC 12964) [2068]
Vibrio *ordalii* (ATCC 33509) [2069]
Listonella *anguillara* (IFO 13266) [2070]
Vibrio *cincinnatiensis* (ATCC 35912) [2071]
Vibrio *gazogenes* str. PB1 (ATCC 29988) [2072]
Vibrio *metschnikovii* (CIP 69.14) [2073]
Vibrio *metschnikovii* str. MV 2484 (NCTC 11170) [2074]
Vibrio *diazotrophicus* str. NS (ATCC 33466) [2075]
Photoblepharon *palpebratus* symbiont <sym.Pblpp1> [2076]
Photoblepharon *steinetzi* symbiont [2077]
Photoblepharon *palpebratus* symbiont <sym.Pblpp2> [2078]
Anomalops *katopton* symbiont [2079]
Kryptophanaron *alfredi* symbiont [2080]
Vibrio *cholerae* str. IID1655 [2081]
Vibrio *cholerae* str. IID935 [2082]
Vibrio *cholerae* str. IID934 [2083]
Vibrio *cholerae* str. IID467 [2084]
Vibrio *mimicus* (ATCC 33653) [2085]
Vibrio *cholerae* str. asiaticus (ATCC 14035) [2086]
Vibrio *cholerae* biotype eltor str. 1092 (ATCC 14033) [2087]
Vibrio *cholerae* subgroup III of Gardner and Venkatraman str. Nanking 32/123 (ATCC 14730) [2088]
Vibrio *cholerae* str. FGvc726 [2089]
Vibrio *cholerae* subgroup V of Gardner and Venkatraman str. El Tor 34-D23 (ATCC 14731) [2090]
Vibrio *cholerae* str. IID936 [2091]
Photobacterium *phosphoreum* str. Og61 [2092]
Photobacterium *phosphoreum* (ATCC 11040) [2093]
Photobacterium *angustum* [2094]
Photobacterium *angustum* (ATCC 25915) [2095]
Vibrio sp. str. DSJ4 [2096]
Cryptosaras *couesi* symbiont [2097]
Melanocetus *johnsoni* symbiont [2098]
Vibrio *hollisae* (ATCC 33564) [2099]
Photobacterium *leiognathi* str. L1 (ATCC 25521) [2100]
Photobacterium *leiognathi* str. PL721 [2101]
Photobacterium *histaminum* str. C-8 [2102]
Listonella *damsela* (ATCC 33539) [2103]
Vibrio *damsela* (ATCC 33539) [2104]

- Listonella damsela (ATCC 33539) [2103]
- Vibrio damsela (ATCC 33539) [2104]
- Vibrio costicola (NCIMB 701) [2105]
- Vibrio aspartigenicus str. GSP-1 (ATCC 49962) [2106]
- Ruminobacter amylophilus (ATCC 29744) [2107]
- Aeromonas salmonicida subsp. achromogenes (NCIMB 1102 wrong?) [2108]
- Aeromonas salmonicida subsp. salmonicida (NCIMB 1102) [2109]
- Aeromonas sp. (CDC 9701-84) [2110]
- Aeromonas salmonicida subsp. achromogenes (NCIMB 1110) [2111]
- Aeromonas salmonicida subsp. masoucida str. 1-1-1 (ATCC 27013) [2112]
- Aeromonas sp. (CDC 9533-76) [2113]
- Aeromonas salmonicida (IFO 13784) [2114]
- Aeromonas sp. (ATCC 35941) [2115]
- Aeromonas sobria (ATCC 43979) [2116]
- Aeromonas eucrenophila (ATCC 23309) [2117]
- Aeromonas ichthiosmia (DSM 6393) [2118]
- Aeromonas veronii (ATCC 35624) [2119]
- Aeromonas schubertii (DSM 4882) [2120]
- Aeromonas jandaei (ATCC 49568) [2121]
- Aeromonas allosaccharophila (CECT 4199) [2122]
- Aeromonas hydrophila (ATCC 35654) [2123]
- Aeromonas hydrophila (ATCC 7966) [2124]
- Aeromonas media (ATCC 33907) [2125]
- Aeromonas caviae (ATCC 15467) [2126]
- Aeromonas caviae (JCM 1060) [2127]
- Aeromonas hydrophila (IFO 13282) [2128]
- Aeromonas caviae (NCIMB 13016) [2129]
- Aeromonas enteropelogenes (DSM 6394) [2130]
- Aeromonas trota (ATCC 49657) [2131]
- Buchnera aphidicola primary endosymbiont of Schizaphis graminum [2132]
- Buchnera aphidicola [2133]
- Buchnera aphidicola primary endosymbiont of Rhopalosiphum maidis [2134]
- Buchnera aphidicola primary endosymbiont of Rhopalosiphum padi [2135]
- Buchnera aphidicola primary endosymbiont of Uroleucon sonchi [2136]
- Buchnera aphidicola primary endosymbiont of Acyrthosiphon pisum [2137]
- Buchnera aphidicola primary endosymbiont of Diuraphis noxia [2138]
- Buchnera aphidicola primary endosymbiont of Myzus persicae [2139]
- Buchnera aphidicola primary endosymbiont of Mindarus victoria [2140]
- Buchnera aphidicola primary endosymbiont of Chaitophorus viminalis [2141]
- Buchnera aphidicola primary endosymbiont of Pemphigus betae [2142]
- Buchnera aphidicola primary endosymbiont of Melaphis rhois [2143]
- Escherichia coli subsp. K-12 <E.coliK12> [2144]
- Escherichia coli subsp. K-12 <E.coliRMH> [2145]
- Escherichia coli subsp. K-12 <E.coli3> [2146]
- Escherichia coli subsp. K-12 str. MG1655 <E.coliRRS> [2147]
- Escherichia coli subsp. K-12 <E.coliRRSA> [2148]
- Escherichia coli subsp. K-12 str. MG1655 <E.coliRRSE> [2149]
- Escherichia coli [2150]
- Salmonella choleraesuis [2151]
- Salmonella dublin [2152]
- Salmonella enteritidis [2153]
- Salmonella paratyphi subsp. A [2154]
- Salmonella typhimurium subsp. LT2 [2155]
- Salmonella typhi [2156]
- Citrobacter freundii (ATCC 29935) [2157]
- Erwinia herbicola [2158]
- Glossina pallidipes (tsetse) endosymbiont [2159]
- Sitophilus zeamais symbiont [2160]



Pasteurella gallinarum (NCTC 11188) [2215]
Pasteurella avium str. IPDH 2654 (NCTC 11297) [2216]
Pasteurella sp. (CCUG 18782) [2217]
Haemophilus taxon_C [2218]
Pasteurella volantium (NCTC 3438) [2219]
Pasteurella volantium (NCTC 4101) [2220]
Haemophilus paragallinarum (NCTC 11296) [2221]
Haemophilus haemoglobinophilus (NCTC 1659) [2222]
Pasteurella sp. str. Bisgaard Taxon 7 [2223]
Haemophilus somnus [2224]
Pasteurella sp. str. Bisgaard Taxon 6 [2225]
Haemophilus actinomycetemcomitans (ATCC 29522) [2226]
Haemophilus actinomycetemcomitans str. FDC Y4 [2227]
Haemophilus actinomycetemcomitans (ATCC 29524) [2228]
Haemophilus actinomycetemcomitans (ATCC 29523) [2229]
Haemophilus actinomycetemcomitans (NCTC 9710) [2230]
Haemophilus parainfluenzae (ATCC 7901) [2231]
Haemophilus paraphrophilus str. Funagli (K. Zinnemann) (ATCC 29241) [2232]
Haemophilus aphrophilus (NCTC 5906) [2233]
Haemophilus segnis (ATCC 33393) [2234]
Haemophilus paraphrophilus str. Haywood (K. Zinnemann) (ATCC 29242) [2235]
Haemophilus parainfluenzae (ATCC 33392) [2236]
Haemophilus paraphrohaemolyticus str. Lawton 1 (K. Zinnemann) (NCTC 10670) [2237]
Pasteurella haemolytica (NCTC 9380) [2238]
Pasteurella sp. str. Bisgaard Taxon 5 [2239]
Actinobacillus lignieresii str. CM 2 (P.H. Martin) (ATCC 19393) [2240]
Actinobacillus pleuropneumoniae (ATCC 27088) [2241]
Actinobacillus lignieresii (NCTC 4189) [2242]
Pasteurella sp. str. Bisgaard Taxon 8 [2243]
Actinobacillus ureae str. Henrikson 3520/59 T (ATCC 25976) [2244]
Pasteurella sp. str. Bisgaard Taxon 9 [2245]
Actinobacillus suis (ATCC 15557) [2246]
Haemophilus parahaemolyticus (NCTC 8479) [2247]
Actinobacillus equuli (NCTC 8529) [2248]
Actinobacillus capsulatus (CCUG 19799) [2249]
Actinobacillus hominis str. P578 (NCTC 11529) [2250]
Actinobacillus hominis (CCUG 19800) [2251]