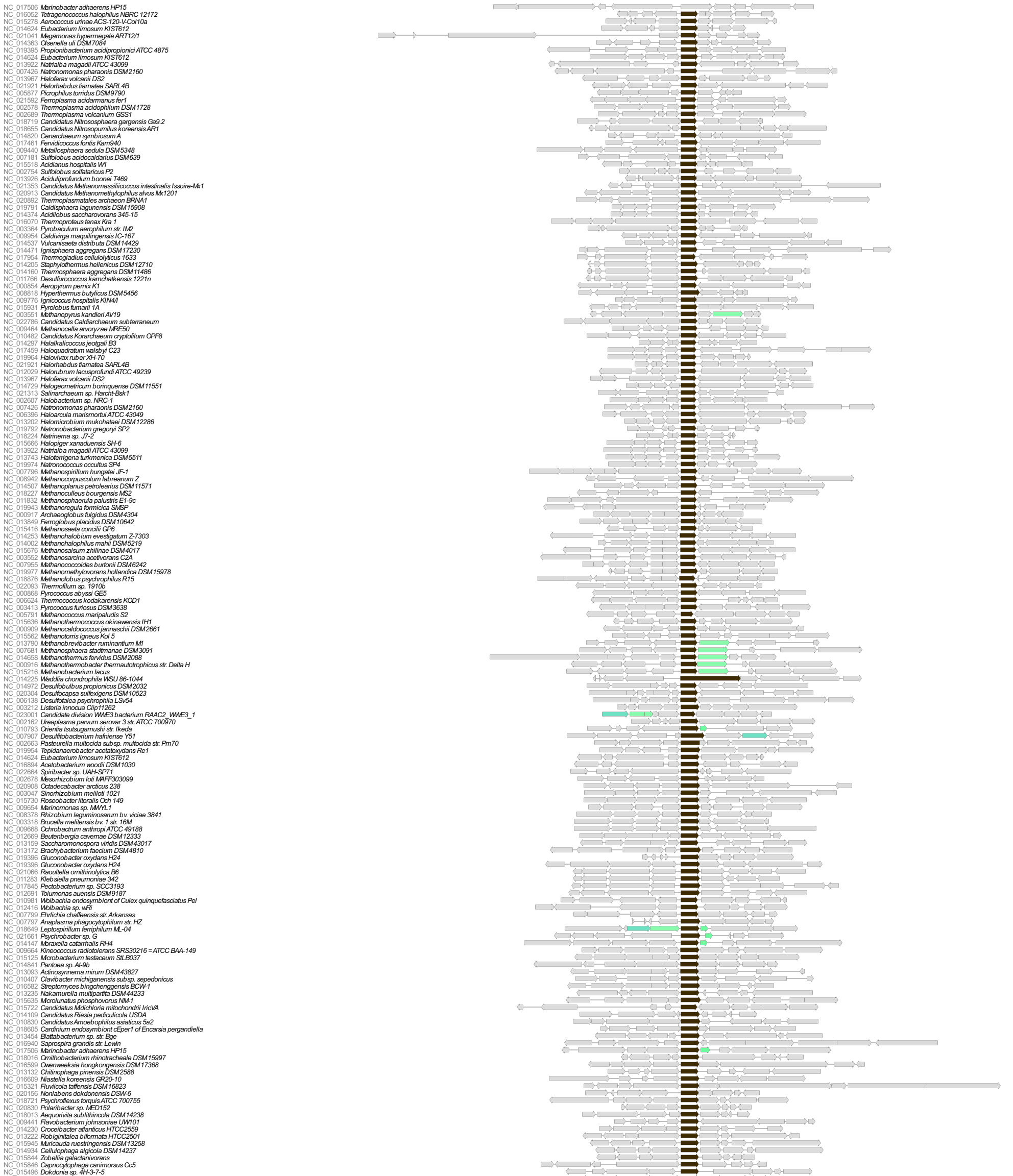
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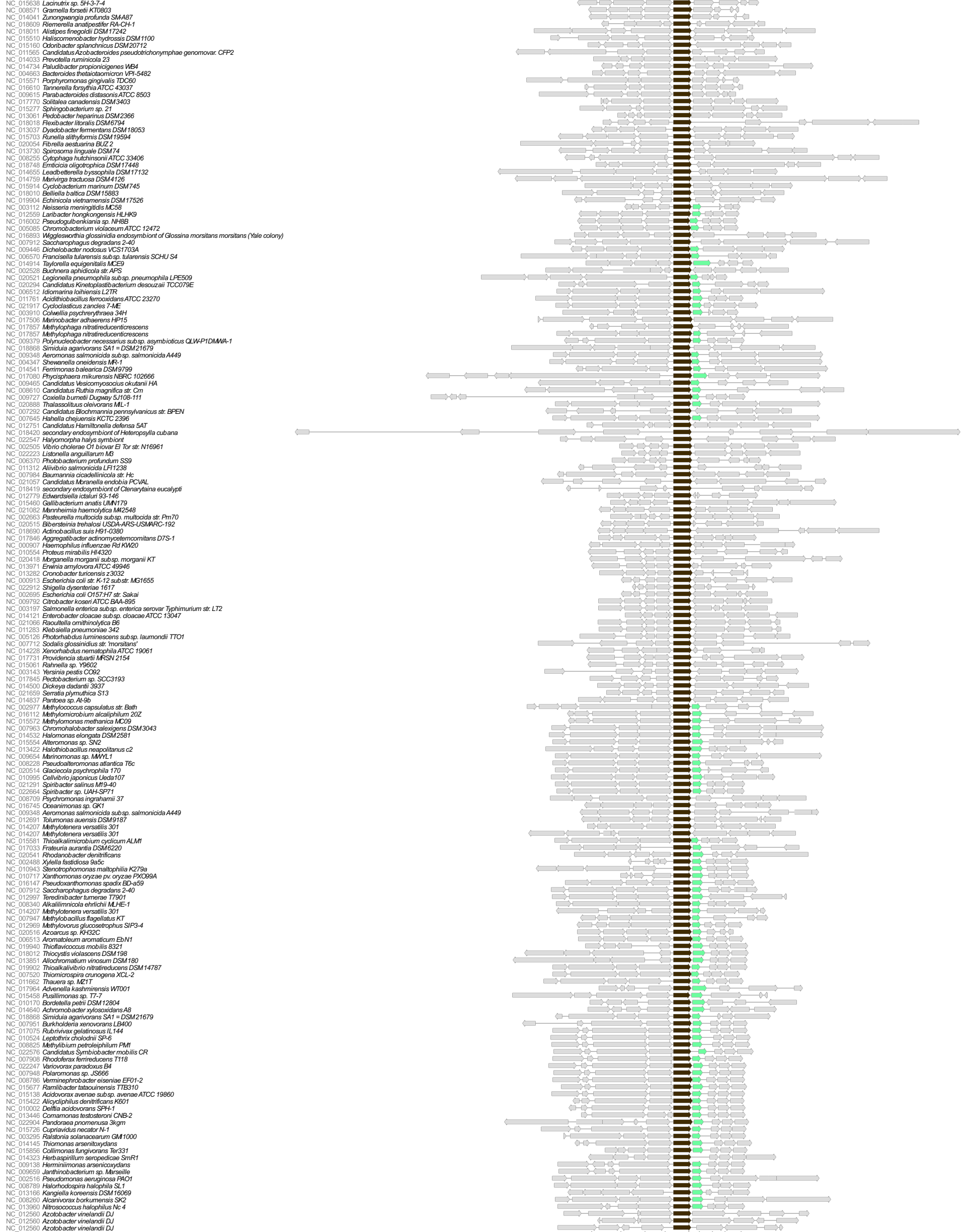
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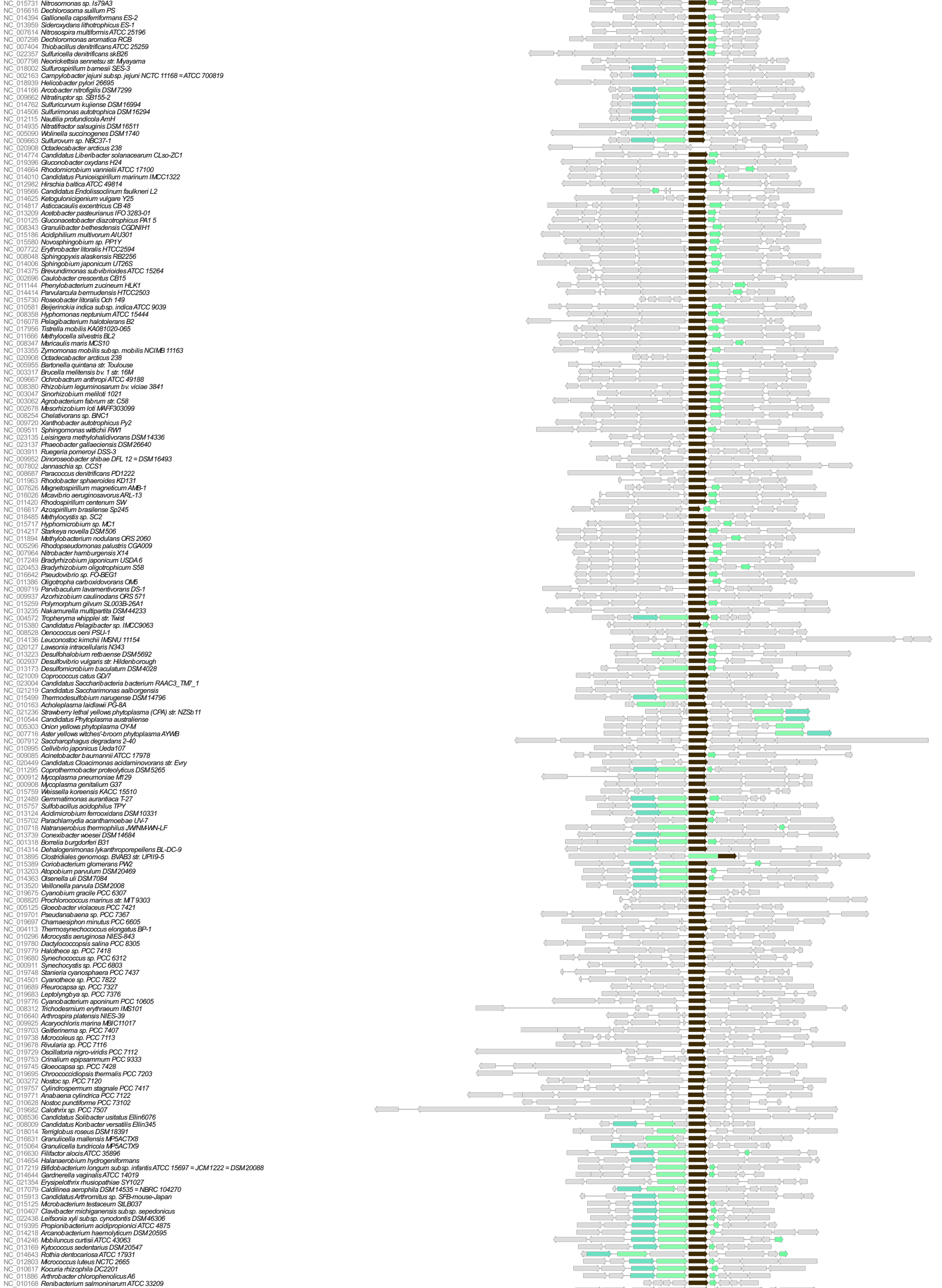
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NC_011295 Coprothermobacter proteolyticus DSM 5265
NC_000912 Mycoplasma pneumoniae M129
NC_000908 Mycoplasma genitalium G37
NC_015759 Weissella koreensis KACC 15510
NC_012489 Gemmatimonas aurantiaca T-27
NC_015757 Sulfobacillus acidophilus TPY
NC_013124 Acidimicrobium ferrooxidans DSM 10331
NC_015702 Parachlamydia acanthamoebae UV-7
NC_010718 Natranaerobius thermophilus JW/NM-WN-LF
NC_013739 Conexibacter woesei DSM 14684
NC_001318 Borrelia burgdorferi B31
NC_014314 Dehalogenimonas lykanthroporepellens BL-DC-9
NC_013895 Clostridiales genomosp. BVAB3 str. UPII9-5
NC_015389 Coriobacterium glomerans PW2
NC_013203 Atopobium parvulum DSM 20469
NC_014363 Olsenella uli DSM 7084
NC_013520 Veillonella parvula DSM 2008
NC_019675 Cyanobium gracile PCC 6307
NC_008820 Prochlorococcus marinus str. MIT 9303
NC_005125 Gloeobacter violaceus PCC 7421
NC_019701 Pseudanabaena sp. PCC 7367
NC_019697 Chamaesiphon minutus PCC 6605
NC_004113 Thermosynechococcus elongatus BP-1
NC_010296 Microcystis aeruginosa NIES-843
NC_019780 Dactylococcopsis salina PCC 8305
NC_019779 Halothece sp. PCC 7418
NC_019680 Synechococcus sp. PCC 6312
NC_000911 Synechocystis sp. PCC 6803
NC_019748 Stanieria cyanosphaera PCC 7437
NC_014501 Cyanothece sp. PCC 7822
NC_019689 Pleurocapsa sp. PCC 7327
NC_019683 Leptolyngbya sp. PCC 7376
NC_019776 Cyanobacterium aponinum PCC 10605
NC_008312 Trichodesmium erythraeum IMS101
NC_016640 Arthrospira platensis NIES-39
NC_009925 Acaryochloris marina MBIC11017
NC_019703 Geitlerinema sp. PCC 7407
NC_019738 Microcoleus sp. PCC 7113
NC_019678 Rivularia sp. PCC 7116
NC_019729 Oscillatoria nigro-viridis PCC 7112
NC_019753 Crinalium epipsammum PCC 9333
NC_019745 Gloeocapsa sp. PCC 7428
NC_019695 Chroococcidiopsis thermalis PCC 7203
NC_003272 Nostoc sp. PCC 7120
NC_019757 Cylindrospermum stagnale PCC 7417
NC_019771 Anabaena cylindrica PCC 7122
NC_010628 Nostoc punctiforme PCC 73102
NC_019682 Calothrix sp. PCC 7507
NC_008536 Candidatus Solibacter usitatus Ellin6076
NC_008009 Candidatus Koribacter versatilis Ellin345
NC_018014 Terriglobus roseus DSM 18391
NC_016631 Granulicella mallensis MP5ACTX8
NC_015064 Granulicella tundricola MP5ACTX9
NC_016630 Filifactor alocis ATCC 35896
NC_014654 Halanaerobium hydrogeniformans
NC_017219 Bifidobacterium longum subsp. infantis ATCC 15697 = JCM 1222 = DSM 20088
NC_014644 Gardnerella vaginalis ATCC 14019
NC_021354 Erysipelothrix rhusiopathiae SY1027
NC_017079 Caldilinea aerophila DSM 14535 = NBRC 104270
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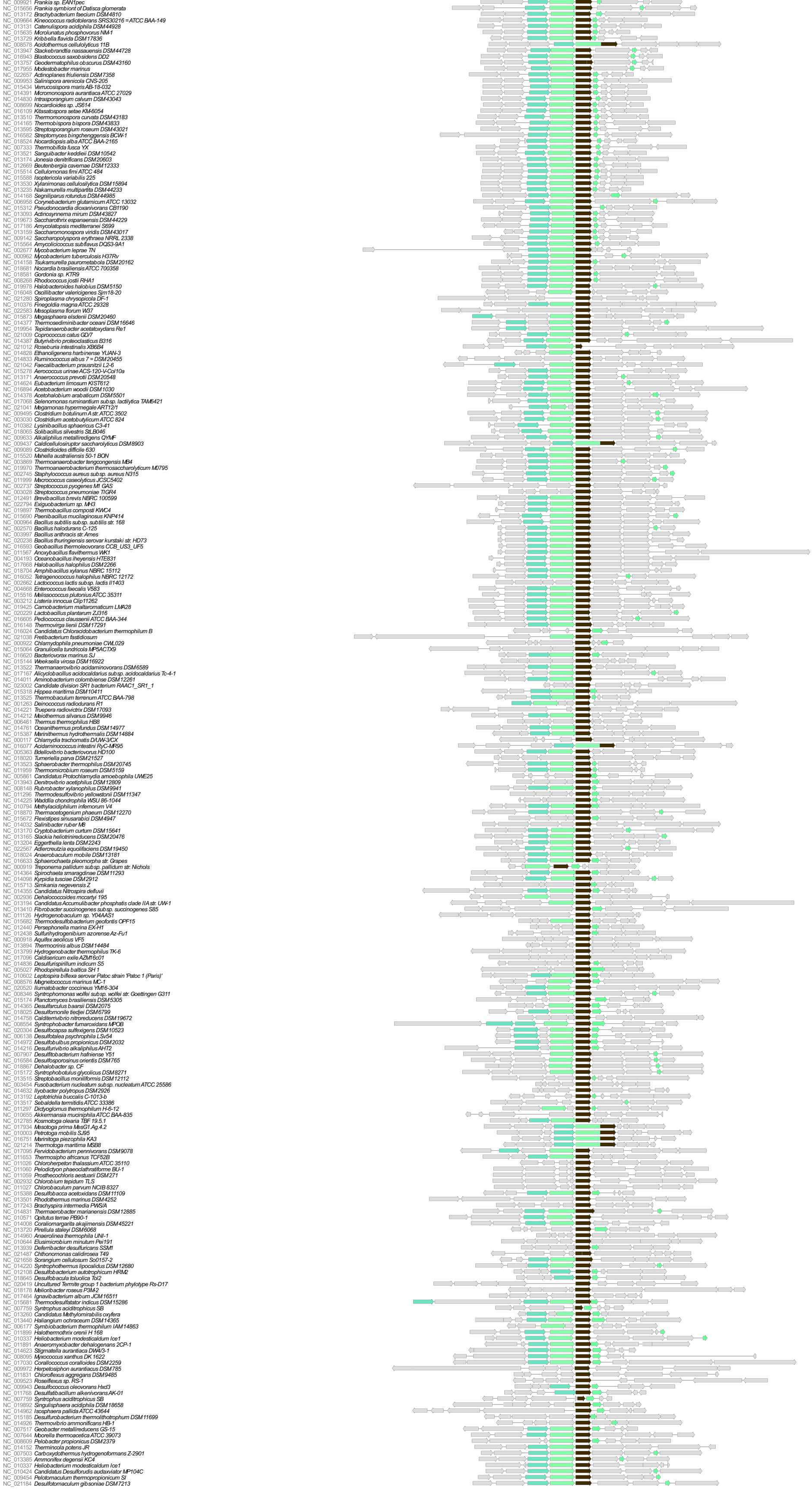
NC_010407 Clavibacter michiganensis subsp. sepedonicus
NC_022438 Leifsonia xyli subsp. cynodontis DSM 46306
NC_019395 Propionibacterium acidipropionici ATCC 4875
NC_014218 Arcanobacterium haemolyticum DSM 20595
NC_014246 Mobiluncus curtisii ATCC 43063
NC_013169 Kytococcus sedentarius DSM 20547
NC_014643 Rothia dentocariosa ATCC 17931
NC_012803 Micrococcus luteus NCTC 2665
NC_010617 Kocuria rhizophila DC2201
NC_011886 Arthrobacter chlorophenolicus A6
NC_010168 Renibacterium salmoninarum ATCC 33209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NC_013131 Catenulispora acidiphila DSM44928
NC_015635 Microlunatus phosphovorus NM-1
NC_013729 Kribbella flavida DSM17836
NC_008578 Acidothermus cellulolyticus 11B
NC_013947 Stackebrandtia nassauensis DSM44728
NC_016943 Blastococcus saxobsidens DD2
NC_013757 Geodermatophilus obscurus DSM43160
NC_017955 Modestobacter marinus
NC_022657 Actinoplanes friuliensis DSM7358
NC_009953 Salinispora arenicola CNS-205
NC_015434 Verrucosispora maris AB-18-032
NC_014391 Micromonospora aurantiaca ATCC 27029
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NC_008699 Nocardioides sp. JS614
NC_016109 Kitasatospora setae KM-6054
NC_013510 Thermomonospora curvata DSM43183
NC_014165 Thermobispora bispora DSM43833
NC_013595 Streptosporangium roseum DSM43021
NC_016582 Streptomyces bingchenggensis BCW-1
NC_018524 Nocardiopsis alba ATCC BAA-2165
NC_007333 Thermobifida fusca YX
NC_013521 Sanguibacter keddieii DSM10542
NC_013174 Jonesia denitrificans DSM20603
NC_012669 Beutenbergia cavernae DSM12333
NC_015514 Cellulomonas fimi ATCC 484
NC_015588 Isoptericola variabilis 225
NC_013530 Xylanimonas cellulosilytica DSM15894
NC_013235 Nakamurella multipartita DSM44233
NC_014168 Segniliparus rotundus DSM44985
NC_006958 Corynebacterium glutamicum ATCC 13032
NC_015312 Pseudonocardia dioxanivorans CB1190
NC_013093 Actinosynnema mirum DSM43827
NC_019673 Saccharothrix espanaensis DSM44229
NC_017186 Amycolatopsis mediterranei S699
NC_013159 Saccharomonospora viridis DSM43017
NC_009142 Saccharopolyspora erythraea NRRL 2338
NC_015564 Amycolicicoccus subflavus DQS3-9A1
NC_002677 Mycobacterium leprae TN
NC_000962 Mycobacterium tuberculosis H37Rv
NC_014158 Tsukamurella paurometabola DSM20162
NC_018681 Nocardia brasiliensis ATCC 700358
NC_018581 Gordonia sp. KTR9
NC_008268 Rhodococcus jostii RHA1
NC_019978 Halobacteroides halobius DSM5150
NC_016048 Oscillibacter valericigenes Sjm18-20
NC_021280 Spiroplasma chrysopicola DF-1
NC_010376 Finegoldia magna ATCC 29328
NC_022583 Mesoplasma florum W37
NC_015873 Megasphaera elsdenii DSM20460
NC_014377 Thermosediminibacter oceani DSM16646
NC_019954 Tepidanaerobacter acetatoxydans Re1
NC_021009 Coprococcus catus GD/7
NC_014387 Butyrivibrio proteoclasticus B316
NC_021012 Roseburia intestinalis XB6B4
NC_014828 Ethanoligenens harbinense YUAN-3
NC_014833 Ruminococcus albus 7 = DSM20455
NC_021042 Faecalibacterium prausnitzii L2-6
NC_015278 Aerococcus urinae ACS-120-V-Col10a
NC_013171 Anaerococcus prevotii DSM20548
NC_014624 Eubacterium limosum KIST612
NC_016894 Acetobacterium woodii DSM1030
NC_014378 Acetohalobium arabaticum DSM5501
NC_017068 Selenomonas ruminantium subsp. lactilytica TAM6421
NC_021041 Megamonas hypermegale ART12/1
NC_009495 Clostridium botulinum A str. ATCC 3502
NC_003030 Clostridium acetobutylicum ATCC 824
NC_010382 Lysinibacillus sphaericus C3-41
NC_018065 Solibacillus silvestris StLB046
NC_009633 Alkaliphilus metalliredigens QYMF
NC_009437 Caldicellulosiruptor saccharolyticus DSM8903
NC_009089 Clostridioides difficile 630
NC_015520 Mahella australiensis 50-1 BON
NC_003869 Thermoanaerobacter tengcongensis MB4
NC_019970 Thermoanaerobacterium thermosaccharolyticum M0795
NC_002745 Staphylococcus aureus subsp. aureus N315
NC_011999 Macrococcus caseolyticus JCSC5402
NC_002737 Streptococcus pyogenes M1 GAS
NC_003028 Streptococcus pneumoniae TIGR4
NC_012491 Brevibacillus brevis NBRC 100599
NC_022794 Exiguobacterium sp. MH3
NC_019897 Thermobacillus composti KWC4
NC_015690 Paenibacillus mucilaginosus KNP414
NC_000964 Bacillus subtilis subsp. subtilis str. 168
NC_002570 Bacillus halodurans C-125
NC_003997 Bacillus anthracis str. Ames
NC_020238 Bacillus thuringiensis serovar kurstaki str. HD73
NC_016593 Geobacillus thermoleovorans CCB_US3_UF5
NC_011567 Anoxybacillus flavithermus WK1
NC_004193 Oceanobacillus iheyensis HTE831
NC_017668 Halobacillus halophilus DSM2266
NC_018704 Amphibacillus xylanus NBRC 15112
NC_016052 Tetragenococcus halophilus NBRC 12172
NC_002662 Lactococcus lactis subsp. lactis Il1403
NC_004668 Enterococcus faecalis V583
NC_015516 Melissococcus plutonius ATCC 35311
NC_003212 Listeria innocua Clip11262
NC_019425 Carnobacterium maltaromaticum LMA28
NC_020229 Lactobacillus plantarum ZJ316
NC_016605 Pediococcus claussenii ATCC BAA-344
NC_016148 Thermovirga lienii DSM17291
NC_016024 Candidatus Chloracidobacterium thermophilum B
NC_021038 Fretibacterium fastidiosum
NC_000922 Chlamydophila pneumoniae CWL029
NC_015064 Granulicella tundricola MP5ACTX9
NC_016620 Bacteriovorax marinus SJ
NC_015144 Weeksella virosa DSM16922
NC_013522 Thermanaerovibrio acidaminovorans DSM6589
NC_017167 Alicyclobacillus acidocaldarius subsp. acidocaldarius Tc-4-1
NC_014011 Aminobacterium colombiense DSM12261
NC_023002 Candidate division SR1 bacterium RAAC1_SR1_1
NC_015318 Hippea maritima DSM10411
NC_013525 Thermobaculum terrenum ATCC BAA-798
NC_001263 Deinococcus radiodurans R1
NC_014221 Truepera radiovictrix DSM17093
NC_014212 Meiothermus silvanus DSM9946
NC_006461 Thermus thermophilus HB8
NC_014761 Oceanithermus profundus DSM14977
NC_015387 Marinithermus hydrothermalis DSM14884
NC_000117 Chlamydia trachomatis D/UW-3/CX
NC_016077 Acidaminococcus intestini RyC-MR95
NC_005363 Bdellovibrio bacteriovorus HD100
NC_018020 Turneriella parva DSM21527
NC_013523 Sphaerobacter thermophilus DSM20745
NC_011959 Thermomicrobium roseum DSM5159
NC_005861 Candidatus Protochlamydia amoebophila UWE25
NC_013943 Denitrovibrio acetiphilus DSM12809
NC_008148 Rubrobacter xylanophilus DSM9941
NC_011296 Thermodesulfovibrio yellowstonii DSM11347
NC_014225 Waddlia chondrophila WSU 86-1044
NC_010794 Methylacidiphilum infernorum V4
NC_018870 Thermacetogenium phaeum DSM12270
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NC_014032 Salinibacter ruber M8
NC_013170 Cryptobacterium curtum DSM15641
NC_013165 Slackia heliotrinireducens DSM20476
NC_013204 Eggerthella lenta DSM2243
NC_022567 Adlercreutzia equolifaciens DSM19450
NC_018024 Anaerobaculum mobile DSM13181
NC_016633 Sphaerochaeta pleomorpha str. Grapes
NC_000919 Treponema pallidum subsp. pallidum str. Nichols
NC_014364 Spirochaeta smaragdinae DSM11293
NC_014098 Kyrpidia tusciae DSM2912
NC_015713 Simkania negevensis Z
NC_014355 Candidatus Nitrospira defluvii
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NC_013194 Candidatus Accumulibacter phosphatis clade IIA str. UW-1
NC_013410 Fibrobacter succinogenes subsp. succinogenes S85
NC_011126 Hydrogenobaculum sp. Y04AAS1
NC_015682 Thermodesulfobacterium geofontis OPF15
NC_012440 Persephonella marina EX-H1
NC_012438 Sulfurihydrogenibium azorense Az-Fu1
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NC_013894 Thermocrinis albus DSM14484
NC_013799 Hydrogenobacter thermophilus TK-6
NC_017096 Caldisericum exile AZM16c01
NC_014836 Desulfurispirillum indicum S5
NC_005027 Rhodopirellula baltica SH 1
NC_010602 Leptospira biflexa serovar Patoc strain 'Patoc 1 (Paris)'
NC_008576 Magnetococcus marinus MC-1
NC_020520 Ilumatobacter coccineus YM16-304
NC_008346 Syntrophomonas wolfei subsp. wolfei str. Goettingen G311
NC_015174 Planctomyces brasiliensis DSM5305
NC_014365 Desulfarculus baarsii DSM2075
NC_018025 Desulfomonile tiedjei DSM6799
NC_014758 Calditerrivibrio nitroreducens DSM19672
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NC_020304 Desulfocapsa sulfexigens DSM10523
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NC_014972 Desulfobulbus propionicus DSM2032
NC_014216 Desulfurivibrio alkaliphilus AHT2
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NC_003454 Fusobacterium nucleatum subsp. nucleatum ATCC 25586
NC_014632 Ilyobacter polytropus DSM2926
NC_013192 Leptotrichia buccalis C-1013-b
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NC_011297 Dictyoglomus thermophilum H-6-12
NC_010655 Akkermansia muciniphila ATCC BAA-835
NC_012785 Kosmotoga olearia TBF 19.5.1
NC_017934 Mesotoga prima MesG1.Ag.4.2
NC_010003 Petrotoga mobilis SJ95
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NC_014008 Coraliomargarita akajimensis DSM45221
NC_013720 Pirellula staleyi DSM6068
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NC_012108 Desulfobacterium autotrophicum HRM2
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NC_014962 Isosphaera pallida ATCC 43644
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NC_008609 Pelobacter propionicus DSM2379
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NC_007503 Carboxydothermus hydrogenoformans Z-2901
NC_013385 Ammonifex degensii KC4
NC_010337 Heliobacterium modesticaldum Ice1
NC_010424 Candidatus Desulforudis audaxviator MP104C
NC_009454 Pelotomaculum thermopropionicum SI
NC_021184 Desulfotomaculum gibsoniae DSM7213
COG0149 Triosephosphate isomerase
COG1314 Preprotein translocase subunit SecG
COG0126 3-phosphoglycerate kinase
COG0057 Glyceraldehyde-3-phosphate dehydrogenase/erythrose-4-phosphate dehydrogenase