



9.0 Buchnera aphidicola
24.0 Shewanella putrefaciens
56.0 Sorangium cellulosum
139.0 Borrelia burgdorferi
159.0 Brachyspira hyodysenteriae
172.0 Lepospira biflexa
173.0 Lepospira interrogans
174.0 Lepospira hotelpeterensis
199.0 Campylobacter jejuni
199.0 Campylobacter jejuni
201.0 Campylobacter jejuni
210.0 Helicobacter pylori
235.0 Brucella abortus
263.0 Francisella tularensis
266.0 Paracoccus denitrificans
274.0 Thermus thermophilus
287.0 Pseudomonas aeruginosa
288.0 Pseudomonas atlantica
294.0 Pseudomonas fluorescens
300.0 Pseudomonas mendocina
303.0 Pseudomonas putida
305.0 Ralstonia solanacearum
316.0 Pseudomonas syringae
317.0 Pseudomonas syringae
329.0 Ralstonia pickettii
339.0 Xanthomonas campestris
340.0 Xanthomonas citri
346.0 Xanthomonas oryzae
354.0 Azotobacter vinelandii
358.0 Agrobacterium radiobacter
380.0 Sinorhizobium fredii
382.0 Sinorhizobium meliloti
384.0 Rhizobium leguminosarum
408.0 Methylobacterium extorquens
438.0 Acetobacter pasteurianus
442.0 Gluconobacter oxydans
446.0 Legionella pneumophila
470.0 Acinetobacter baumannii
485.0 Neisseria gonorrhoeae
487.0 Neisseria meningitidis
518.0 Bordetella bronchiseptica
519.0 Bordetella parapertussis
520.0 Bordetella pertussis
521.0 Bordetella avium
529.0 Ochrobactrum anihropi
536.0 Chromobacterium violaceum
542.0 Zymomonas mobilis
545.0 Citrobacter koseri
554.0 Pectobacterium carotovorum
562.0 Escherichia coli
573.0 Klebsiella pneumoniae
584.0 Proteus mirabilis
622.0 Shigella dysenteriae
630.0 Yersinia enterocolitica
632.0 Yersinia pestis
633.0 Yersinia pseudotuberculosis
636.0 Edwardsiella tarda
644.0 Aeromonas hydrophila
645.0 Aeromonas salmonicida
666.0 Vibrio cholerae
670.0 Vibrio parahaemolyticus
672.0 Vibrio vulnificus
680.0 Vibrio campbellii
715.0 Actinobacillus pleuropneumoniae
727.0 Haemophilus influenzae
730.0 Haemophilus ducreyi
731.0 Histophilus somni
732.0 Aggregatibacter aphrophilus
738.0 Glaeserella parvus
747.0 Pasteurella multocida
770.0 Anaplasma marginale
774.0 Bartonella bacilliformis
782.0 Rickettsia prowazekii
783.0 Rickettsia rickettsii
784.0 Orientia tsutsugamushi
785.0 Rickettsia typhi
788.0 Rickettsia canadensis
803.0 Bartonella quintana
813.0 Chlamydia trachomatis
817.0 Bacteroides fragilis
818.0 Bacteroides thetaiotaomicron
832.0 Fibrobacter succinogenes
837.0 Porphyromonas gingivalis
844.0 Wolinella succinogenes
851.0 Fusobacterium nucleatum
881.0 Desulfovibrio vulgaris
945.0 Ehrlichia chaffeensis
948.0 Anaplasma phagocytophilum
959.0 Bdellovibrio bacteriovorus
1003.0 Rhodobacter sphaeroides
1076.0 Rhodospirillum rubrum
1085.0 Rhodospirillum rubrum
1096.0 Chlorobium phaeobacteroides
1108.0 Chloroflexus aurantiacus
1126.0 Microcystis aeruginosa
1148.0 Synecocystis sp.
1219.0 Prochlorococcus marinus
1245.0 Leuconostoc mesenteroides
1255.0 Pedococcus pentosaceus
1270.0 Micrococcus luteus
1280.0 Staphylococcus aureus
1281.0 Staphylococcus carnosus
1282.0 Staphylococcus epidermidis
1283.0 Staphylococcus haemolyticus
1299.0 Deinococcus radiodurans
1302.0 Streptococcus gordonii
1305.0 Streptococcus sanguinis
1308.0 Streptococcus thermophilus
1309.0 Streptococcus mutans
1311.0 Streptococcus agalactiae
1313.0 Streptococcus pneumoniae
1314.0 Streptococcus pyogenes
1334.0 Streptococcus dysgalactiae
1336.0 Streptococcus equi
1349.0 Streptococcus ubelis
1351.0 Enterococcus faecalis
1358.0 Lactococcus lactis
1392.0 Bacillus anthracis
1393.0 Brevibacillus brevis
1396.0 Bacillus cereus
1402.0 Bacillus licheniformis
1405.0 Bacillus mycoides
1423.0 Bacillus subtilis
1428.0 Bacillus thuringiensis
1488.0 Clostridium acetobutylicum
1491.0 Clostridium botulinum
1496.0 Clostridioides difficile
1502.0 Clostridium perfringens
1513.0 Clostridium tetani
1515.0 Hungateclostridium thermophilum
1520.0 Clostridium beijerinckii
1525.0 Moorella thermoacetica
1534.0 Clostridium kluyveri
1542.0 Clostridium novyi
1579.0 Lactobacillus acidophilus
1580.0 Lactobacillus brevis
1582.0 Lactobacillus casei
1584.0 Lactobacillus delbrueckii
1587.0 Lactobacillus helveticus
1590.0 Lactobacillus plantarum
1596.0 Lactobacillus gasseri
1597.0 Lactobacillus paracasei
1598.0 Lactobacillus reuteri
1599.0 Lactobacillus sakei
1613.0 Lactobacillus fermentum
1624.0 Lactobacillus salivarius
1639.0 Listeria monocytogenes
1643.0 Listeria welshimeri
1646.0 Renibacterium salmoninarum
1680.0 Bifidobacterium adolescentis
1717.0 Corynebacterium diptheriae
1718.0 Corynebacterium glutamicum
1747.0 Cutibacterium acnes
1764.0 Mycobacterium avium
1769.0 Mycobacterium leprae
1772.0 Mycobacterium smegmatis
1773.0 Mycobacterium tuberculosis
1781.0 Mycobacterium marinum
1804.0 Mycolicobacterium gilvum
1809.0 Mycobacterium ulcerans
1833.0 Rhodococcus erythropolis
2092.0 Mycoplasma capricolum
2097.0 Mycoplasma genitalium
2098.0 Mycoplasma hominis
2099.0 Mycoplasma hyopneumoniae
2102.0 Mycoplasma mycoides
2104.0 Mycoplasma pneumoniae
2107.0 Mycoplasma pulmonis
2109.0 Mycoplasma synoviae
2110.0 Mycoplasma agalactiae
2111.0 Mycoplasma arthritis
2148.0 Acholeplasma laidlawii
2151.0 Mesoplasma florum
2336.0 Thermotoga maritima
2371.0 Xylella fastidiosa
2434.0 Roseobacter denitrificans
2743.0 Marinobacter hydrocarbonasticus
1337.0 Burkholderia mallei
2802.0 Burkholderia animalis
2811.0 Francisella philomagia
2814.0 Cronobacter sakazakii
2819.0 Arcobacter butzleri
28447.0 Clavibacter michiganensis
28450.0 Burkholderia pseudomallei
28901.0 Salmonella enterica
29385.0 Staphylococcus saprophyticus
29449.0 Rhizobium etli
29459.0 Brucella melitensis
29466.0 Brucella abortus
29466.0 Brucella parvula
29471.0 Pectobacterium atrosepticum
29549.0 Rhodothermus marinus
32046.0 Synecococcus elongatus
33934.0 Anoxybacillus flavithermus
33959.0 Lactobacillus johnsonii
33960.0 Rickettsia belli
33996.0 Gluconacetobacter diazotrophicus
3403.0 Variovorax paradoxus
36809.0 Mycobacteroides abscessus
36855.0 Brucella canis
37329.0 Nocardia farcinica
37919.0 Rhodococcus opacus
38289.0 Corynebacterium jeikeium
38323.0 Bartonella henselae
39960.0 Erythrobacter litoralis
40137.0 Oligotropha carboxidovorans
40269.0 Alivibrio salmonicida
40324.0 Stenotrophomonas maltophilia
43674.0 Jonesia denitrificans
43771.0 Corynebacterium urealyticum
47715.0 Lactobacillus rhamnosus
49338.0 Desulfotobacterium hafnienus
51229.0 Wigglesworthia glossinidia
51975.0 Burkholderia thailandica
59748.0 Candidatus Phytoplasma
61435.0 Denialococcoides incertae
62322.0 Shewanella baltica
69966.0 Macrococcus caseolyticus
72000.0 Kocuria rhizophila
79880.0 Bacillus clausii
80869.0 Acidovorax citrulli
83555.0 Chlamydia abortus
83558.0 Chlamydia pneumoniae
83560.0 Chlamydia muridarum
84110.0 Slackia heliotrinireducens
84112.0 Eggerthella lenta
87883.0 Burkholderia multivorans
95486.0 Burkholderia cenocepacia
106590.0 Cupriavidus necator
114186.0 Candidatus Carsonella
134821.0 Ureaplasma parvum
135577.0 Idiomarina loihiensis
146919.0 Salinibacter ruber
152480.0 Burkholderia ambifaria
153892.0 Caulobacter vibrioides
160791.0 Springomonas wittichii
161493.0 Anaeromyxobacter dehalogenans
182710.0 Oceanobacillus anihensis
204042.0 Dickeya zeae
2169816.0 Akkermansia muciniphila
239935.0 Klebsiella variicola
244366.0 Klebsiella pneumoniae
244782.0 Nautilia profundicola
250470.1.0 Pseudomonas syringae
312306.0 Pseudomonas entomophila
330922.0 Psychrobacter cryomorphus
380021.0 Pseudomonas protegens
405212.0 Alicyclobacillus acidocaldarius
456327.0 Xanthomonas euvesicatoria
482957.0 Burkholderia lata
492670.0 Bacillus velezensis
576610.0 Polynucleobacter necessarius
576611.0 Polynucleobacter asymbioticus
580165.0 Bacillus cytotoxicus
664662.0 Borrelia bavariensis
1176649.0 Agrobacterium fabrum
1355477.0 Bradyrhizobium diazoefficiens
190573.0 Pectobacterium parmentarii
218628.0 Photorhabdus lumorum
2218628.0 Photorhabdus lumorum