



Supplementary Figure 1 Taxonomy distribution at the species level. Taxonomy distribution for species whose relative abundance were larger than 1% were shown on the pie chart. The sizes of each pie indicate the relative abundance of the organism. *Escherichia coli*, *Salmonella enterica* and *Klebsiella pneumoniae* were the top 3 putative bacterial pathogens.

Supplementary Table 1 Quality control

Sample name	RawBase (Mbp)	RawReads (M)	CleanBase (Mbp)	Clean reads (M)	Q20 (%)	Q30 (%)	Effective (%)	Human reads (%)	SARS-Cov-2 reads (%)
SFY-229-30	5501.315	18.338	5051.584	17.649	93.92	85.01	91.83	3.21	0

Supplementary Table 2 Pathogens identification results

Specie	Relative abundance	Disease
Yersinia pseudotuberculosis	0.00184867	Acute enteric diseases
Vibrio parahaemolyticus	0.00212738	Acute gastroenteritis
Shigella flexneri	0.01935112	Bacillary dysentery
Acinetobacter baumannii	0.00119246	Bacteremia
Vibrio cholerae	0.00443117	Cholera
Citrobacter rodentium	0.00115365	Colitis
Pseudomonas aeruginosa	0.00229673	Corneal infection
Edwardsiella ictaluri	0.00446645	Enteric septicaemia of catfish
Salmonella enterica	0.25653916	Food poisoning and gastroenteritis; Infections; Typhoid
Histoplasma capsulatum	0.00217325	Histoplasmosis
Aeromonas hydrophila	0.0017887	Intestinal and extraintestinal infections
Legionella pneumophila	0.00100548	Legionellosis or legionnaires' disease
Vibrio campbellii	0.00325988	Luminescent vibriosis
Staphylococcus	0.00207094	Mastitis

aureus		
Neisseria meningitidis	0.00227556	Meningococcal infection
Photobacterium damsela	0.00210269	Pasteurellosis
Yersinia pestis	0.01018536	Plague
Klebsiella pneumoniae	0.08548012	Pneumonia; Urinary tract infections
Proteus mirabilis	0.00190865	Urinary tract infections
Escherichia coli	0.27444733	Urinary tract infections; infections; Diarrhea; Extraintestinal infections
Vibrio vulnificus	0.00354564	Vibriosis, Fatal septicemia, Septicemia
Yersinia enterocolitica	0.0016758	Yersiniosis

Supplementary Table 3 Taxonomy distribution at each level

Taxonomy	Relative abundance (%)
Phylum level	
Proteobacteria	0.98157687
Firmicutes	0.00422406
Apicomplexa	0.00283344
Actinobacteria	0.00216105
Bacteroidetes	0.00185797
Basidiomycota	0.0014874
Ascomycota	0.00124162
Spirochaetes	0.00079209
Tenericutes	0.00068894
Chloroflexi	0.00040623
Cyanobacteria	0.00039477
Acidobacteria	0.00031709
Chrysiogenetes	0.00029671
Planctomycetes	0.00027506
Mucoromycota	0.00019483
Candidatus Cloacimonetes	0.00016555
Verrucomicrobia	0.00015281
Deinococcus-Thermus	0.00014517
Thermodesulfobacteria	0.00007895
Euryarchaeota	0.00007386
Negarnaviricota	0.00006367
Gemmatimonadetes	0.00006239
Aquificae	0.00006112
Candidatus Saccharibacteria	0.00005348
Thermotogae	0.00004839
Nitrospirae	0.00004711

Fusobacteria	0.00004075
Deferribacteres	0.00003183
Lentisphaerae	0.00003056
Perkinsozoa	0.00002674
Candidatus Gracilibacteria	0.00002419
Chlorobi	0.0000191
Chlamydiae	0.00001782
Armatimonadetes	0.00001655
Ciliophora	0.00001528
Synergistetes	0.000014
Elusimicrobia	0.000014
Thaumarchaeota	0.00001273
Calditrichaeota	0.00001273
Cryptophyta	0.00000764
Crenarchaeota	0.00000636
Ignavibacteriae	0.00000509
Cercozoa	0.00000382
Class level	
Gammaproteobacteria	0.96688729
Alphaproteobacteria	0.00659687
Betaproteobacteria	0.00570908
Bacilli	0.00309236
Aconoidasida	0.00241972
Actinobacteria	0.00179243
Flavobacteriia	0.00151637
Deltaproteobacteria	0.00142046
Epsilonproteobacteria	0.00101221
Eurotiomycetes	0.00089427
Clostridia	0.00081391

Spirochaetia	0.00080614
Tremellomycetes	0.00074133
Mollicutes	0.00069856
Acidithiobacillia	0.00067264
Exobasidiomycetes	0.00049638
Conoidasida	0.00040695
Chrysiogenetes	0.00030197
Acidobacteriia	0.00027994
Coriobacteriia	0.00025272
Chloroflexia	0.00022551
Cytophagia	0.00019959
Glomeromycetes	0.00018922
Planctomycetia	0.00017626
Deinococci	0.00014774
Pucciniomycetes	0.00013997
Caldilineae	0.00013219
Oomycetes	0.00012701
Saccharomycetes	0.00012053
Negativicutes	0.00010627
Malasseziomycetes	0.0000985
Sordariomycetes	0.00009331
Thermodesulfobacteria	0.00008035
Rubrobacteria	0.00007776
Dothideomycetes	0.00007646
Bacteroidia	0.00007387
Hydrogenophilalia	0.00006998
Candidatus Brocadiae	0.00006609
Ellioviricetes	0.0000648
Oligoflexia	0.0000648

Gemmatimonadetes	0.0000635
Aquificae	0.00006221
Thermotogae	0.00004925
Nitrospira	0.00004795
Halobacteria	0.00004665
Fusobacteriia	0.00004147
Vicinamibacteria	0.00004017
Opitutae	0.00004017
Phycisphaerae	0.00003758
Deferribacteres	0.0000324
Lentisphaeria	0.0000311
Anaerolineae	0.0000311
Methylacidiphilae	0.00002851
Leotiomyces	0.00002332
Agaricomycetes	0.00002203
Ktedonobacteria	0.00001944
Chlorobia	0.00001944
Chlamydiia	0.00001814
Sphingobacteriia	0.00001684
Chitinophagia	0.00001684
Fimbriimonadia	0.00001684
Oligohymenophorea	0.00001555
Synergistia	0.00001425
Candidatus Babeliae	0.00001296
Calditrichae	0.00001296
Methanobacteria	0.00001166
Haptophyceae	0.00001166
Erysipelotrichia	0.00001036
Nitrososphaeria	0.00000907

Tissierellia	0.00000907
Methanomicrobia	0.00000907
Thermoprotei	0.00000648
Microbotryomycetes	0.00000648
Mucoromycetes	0.00000648
Ignavibacteria	0.00000518
Chlorarachniophyceae	0.00000388
Schizosaccharomycetes	0.00000388
Thermoplasmata	0.00000388
Order level	
Enterobacterales	0.92854091
Vibrionales	0.00839434
Pseudomonadales	0.0072017
Alteromonadales	0.00419919
Oceanospirillales	0.0036844
Pasteurellales	0.00263325
Aeromonadales	0.0024338
Haemosporida	0.00238933
Rhizobiales	0.00234082
Bacillales	0.00230308
Chromatiales	0.00220201
Burkholderiales	0.00219932
Legionellales	0.00199852
Thiotrichales	0.00197157
Neisseriales	0.00188667
Xanthomonadales	0.00185433
Flavobacteriales	0.00157672
Rhodobacterales	0.00099858
Campylobacterales	0.00098511

Nitrosomonadales	0.00085439
Onygenales	0.00083552
Tremellales	0.00077084
Spirochaetales	0.00074927
Lactobacillales	0.00073849
Rhodospirillales	0.0007358
Acidithiobacillales	0.00069941
Orbales	0.00066842
Acidiferrobacterales	0.00063203
Cellvibrionales	0.00059565
Rhodocyclales	0.00057004
Clostridiales	0.00055252
Corynebacteriales	0.00052557
Exobasidiales	0.00051479
Kinetoplastida	0.00050401
Mycoplasmatales	0.00047166
Caudovirales	0.00045414
Desulfobacterales	0.00043258
Eucoccidiorida	0.00041911
Desulfovibrionales	0.00038946
Cardiobacteriales	0.00034499
Chrysiogenales	0.00031399
Acidobacteriales	0.00028569
Methylococcales	0.00025874
Chloroflexales	0.00023448
Salinisphaerales	0.00022101
Thermoanaerobacterales	0.00021831
Sphingomonadales	0.00021562
Cytophagales	0.00020753

Acholeplasmatales	0.00020214
Glomerales	0.00019675
Desulfuromonadales	0.00018732
Planctomycetales	0.00018327
Myxococcales	0.00016441
Streptomycetales	0.00016306
Coriobacteriales	0.00015228
Pucciniales	0.00014554
Geodermatophilales	0.00014419
Caulobacterales	0.00013745
Caldilineales	0.00013745
Bifidobacteriales	0.00012667
Saccharomycetales	0.00012532
Nostocales	0.00012532
Synechococcales	0.00011589
Emcibacterales	0.00011185
Piroplasmida	0.0001105
Rickettsiales	0.00010646
Eggerthellales	0.00010511
Syntrophobacterales	0.00010376
Malasseziales	0.00010241
Micrococcales	0.00010241
Thermales	0.00010107
Oscillatoriales	0.0000849
Thermodesulfobacteriales	0.00008355
Rubrobacterales	0.00008085
Bacteroidales	0.00007681
Hydrogenophilales	0.00007277
Saprolegniales	0.00007277

Hypocreales	0.00007277
Brachyspirales	0.00006872
Candidatus Brocadiales	0.00006872
Bunyavirales	0.00006738
Selenomonadales	0.00006603
Gemmatimonadales	0.00006603
Aquificales	0.00006333
Peronosporales	0.00005929
Bacteriovoracales	0.00005929
Nevskiales	0.00005525
Eurotiales	0.0000539
Pleosporales	0.00005255
Dictyosteliales	0.00005121
Nitrospirales	0.00004986
Halobacteriales	0.00004716
Desulfarculales	0.00004447
Fusobacteriales	0.00004312
Nautiliales	0.00004177
Pelagibacterales	0.00004177
Veillonellales	0.00004177
Halanaerobiales	0.00004177
Opitales	0.00004177
Holosporales	0.00004042
Sedimentisphaerales	0.00003908
Chaetothyriales	0.00003638
Actinomycetales	0.00003638
Deferribacterales	0.00003369
Micromonosporales	0.00003369
Thermotogales	0.00003369

Anaerolineales	0.00003234
Victivallales	0.00003234
Methylacidiphilales	0.00002964
Perkinsida	0.0000283
Immundisolibacterales	0.00002695
Capnodiales	0.0000256
Parvularculales	0.0000256
Natranaerobiales	0.00002291
Helotiales	0.00002156
Chlorobiales	0.00002021
Leptospirales	0.00002021
Ktedonobacterales	0.00002021
Deinococcales	0.00002021
Bacteroidetes Order II. Incertae sedis	0.00002021
Parachlamydiales	0.00001751
Sphingobacteriales	0.00001751
Fimbriimonadales	0.00001751
Chitinophagales	0.00001751
Kosmotogales	0.00001617
Propionibacteriales	0.00001617
Peniculida	0.00001482
Desulfurellales	0.00001482
Synergistales	0.00001482
Glomerellales	0.00001482
Calditrichales	0.00001347
Candidatus Babeliales	0.00001347
Isochrysidales	0.00001212
Methanobacteriales	0.00001212
Acytosteliales	0.00001212

Erysipelotrichales	0.00001078
Agaricales	0.00001078
Bradymonadales	0.00000943
Tissierellales	0.00000943
Chroococcales	0.00000673
Mucorales	0.00000673
Sporidiobolales	0.00000673
Methanomicrobiales	0.00000673
Trichomonadida	0.00000673
Gloeophyllales	0.00000673
Acidilobales	0.00000673
Silvanigrellales	0.00000673
Sordariales	0.00000539
Cryptomonadales	0.00000539
Nitrososphaerales	0.00000539
Bryobacterales	0.00000539
Ignavibacteriales	0.00000539
Pseudonocardiales	0.00000539
Schizosaccharomycetales	0.00000404
Polyporales	0.00000404
Longamoebia	0.00000404
Eugregarinorida	0.00000404
Candidatus Nitrosocaldales	0.00000404
Family level	
Enterobacteriaceae	0.85739562
Morganellaceae	0.02176083
Yersiniaceae	0.01381893
Vibrionaceae	0.01057731
Pectobacteriaceae	0.01034467

Erwiniaceae	0.00752247
Pseudomonadaceae	0.0071421
Pasteurellaceae	0.00331803
Hafniaceae	0.00327898
Aeromonadaceae	0.00306672
Plasmodiidae	0.00301068
Legionellaceae	0.00226862
Piscirickettsiaceae	0.00208014
Moraxellaceae	0.00191542
Staphylococcaceae	0.00186618
Chromatiaceae	0.00183222
Alteromonadaceae	0.00182882
Oceanospirillaceae	0.00174392
Halomonadaceae	0.00170996
Flavobacteriaceae	0.00164883
Burkholderiaceae	0.00163354
Budviciaceae	0.00145864
Neisseriaceae	0.00134317
Shewanellaceae	0.00112412
Hyphomicrobiaceae	0.00107658
Ajellomycetaceae	0.00104941
Pseudoalteromonadaceae	0.00103412
Spirochaetaceae	0.00092884
Xanthomonadaceae	0.00092714
Rhodanobacteraceae	0.00090167
Acidithiobacillaceae	0.0008813
Orbaceae	0.00084224
Bacillaceae	0.00083715
Saccharospirillaceae	0.00080149

Acidiferrobacteraceae	0.00079639
Tremellaceae	0.00079469
Brachybasidiaceae	0.00064866
Trypanosomatidae	0.00063508
Ectothiorhodospiraceae	0.00059942
Mycoplasmataceae	0.00059432
Siphoviridae	0.000523
Rhodobacteraceae	0.00051621
Methylocystaceae	0.00049923
Desulfovibrionaceae	0.00048734
Campylobacteraceae	0.00048055
Sarcocystidae	0.00047376
Cardiobacteriaceae	0.0004347
Beijerinckiaceae	0.00042112
Chrysiogenaceae	0.00039565
Francisellaceae	0.00038036
Psychromonadaceae	0.00038036
Corynebacteriaceae	0.00037697
Acidobacteriaceae	0.00035999
Hyphomonadaceae	0.00035829
Zoogloeaceae	0.0003515
Acetobacteraceae	0.0003498
Desulfobacteraceae	0.00033452
Cellvibrionaceae	0.00033112
Sterolibacteriaceae	0.00032772
Methylococcaceae	0.00032603
Enterococcaceae	0.00032433
Lactobacillaceae	0.00029716
Streptococcaceae	0.00029376

Salinisphaeraceae	0.00027848
Clostridiaceae	0.00027169
Oxalobacteraceae	0.0002615
Acholeplasmataceae	0.00025471
Sphingomonadaceae	0.00025301
Coxiellaceae	0.00024961
Glomeraceae	0.00024791
Azonexaceae	0.00024622
Blattabacteriaceae	0.00024452
Kangiellaceae	0.00023263
Colwelliaceae	0.00023263
Nitrosomonadaceae	0.00022584
Gallionellaceae	0.00022414
Rhodospirillaceae	0.00021735
Desulfobulbaceae	0.00021056
Streptomycetaceae	0.00020546
Methylophilaceae	0.00020376
Desulfuromonadaceae	0.00019697
Geodermatophilaceae	0.00018169
Melampsoraceae	0.00017999
Thermoanaerobacterales Family IV. Incertae Sedis	0.00017999
Ferrimonadaceae	0.00017829
Microbulbiferaceae	0.0001766
Alcaligenaceae	0.0001766
Cryptococcaceae	0.0001766
Caldilineaceae	0.0001732
Caulobacteraceae	0.0001732
Chloroflexaceae	0.0001732
Chromobacteriaceae	0.00016131

Bifidobacteriaceae	0.00015961
Hymenobacteraceae	0.00014943
Rivulariaceae	0.00014943
Rhizobiaceae	0.00014433
Emcibacteraceae	0.00014094
Moritellaceae	0.00013754
Eggerthellaceae	0.00013245
Malasseziaceae	0.00012905
Thermaceae	0.00012735
Syntrophaceae	0.00012565
Halothiobacillaceae	0.00012396
Phyllobacteriaceae	0.00012226
Idiomarinaceae	0.00012056
Coriobacteriaceae	0.00011716
Roseiflexaceae	0.00011716
Hahellaceae	0.00011716
Mycobacteriaceae	0.00011037
Peptococcaceae	0.00010528
Thermodesulfobacteriaceae	0.00010528
Planctomycetaceae	0.00010528
Rubrobacteraceae	0.00010188
Microcoleaceae	0.00010018
Vulgatibacteraceae	0.00009679
Debaryomycetaceae	0.00009509
Saprolegniaceae	0.00009169
Comamonadaceae	0.00009169
Hydrogenophilaceae	0.00009169
Thermoanaerobacteraceae	0.00008999
Babesiidae	0.0000883

Helicobacteraceae	0.0000866
Candidatus Brocadiaceae	0.0000866
Brachyspiraceae	0.0000866
Peribunyaviridae	0.0000849
Selenomonadaceae	0.0000832
Gemmatimonadaceae	0.0000832
Xanthobacteraceae	0.00007811
Peronosporaceae	0.00007471
Rhodobiaceae	0.00007131
Hungateiclostridiaceae	0.00007131
Alicyclobacillaceae	0.00007131
Sinobacteraceae	0.00006962
Atopobiaceae	0.00006962
Ophiocordycipitaceae	0.00006792
Dictyosteliaceae	0.00006452
Wenzhouxiangellaceae	0.00006282
Nitrospiraceae	0.00006282
Aspergillaceae	0.00006113
Leptolyngbyaceae	0.00005943
Desulfarculaceae	0.00005603
Bacteriovoracaceae	0.00005603
Opitutaceae	0.00005264
Nautiliaceae	0.00005264
Veillonellaceae	0.00005264
Vicinamibacteraceae	0.00005264
Bacteroidaceae	0.00005094
Cytophagaceae	0.00005094
Peptostreptococcaceae	0.00005094
Candidatus Paracaedibacteraceae	0.00005094

Sedimentisphaeraceae	0.00004924
Pelagibacteraceae	0.00004924
Theileriidae	0.00004754
Nocardiaceae	0.00004754
Candidatus Midichloriaceae	0.00004584
Eimeriidae	0.00004584
Actinomycetaceae	0.00004584
Woeseiaceae	0.00004584
Gemmataceae	0.00004415
Brucellaceae	0.00004415
Deferribacteraceae	0.00004245
Herpotrichiellaceae	0.00004245
Micromonosporaceae	0.00004245
Amoebophilaceae	0.00004245
Hydrogenothermaceae	0.00004075
Anaerolineaceae	0.00004075
Halanaerobiaceae	0.00004075
Granulosicoccaceae	0.00003735
Methylacidiphilaceae	0.00003735
Podoviridae	0.00003566
Perkinsidae	0.00003566
Immundisolibacteraceae	0.00003396
Kofleriaceae	0.00003396
Synechococcaceae	0.00003396
Porphyromonadaceae	0.00003226
Anaeromyxobacteraceae	0.00003226
Parvularculaceae	0.00003226
Thermotogaceae	0.00003226
Mycosphaerellaceae	0.00003226

Clostridiales Family XVII. Incertae Sedis	0.00003226
Saccharomycetaceae	0.00003056
Alcanivoracaceae	0.00003056
Natranaerobiaceae	0.00002886
Spongiibacteraceae	0.00002886
Thioalkalispiraceae	0.00002886
Eubacteriaceae	0.00002716
Sutterellaceae	0.00002716
Chlorobiaceae	0.00002547
Leptotrichiaceae	0.00002547
Rhodothermaceae	0.00002547
Leptospiraceae	0.00002547
Trueperaceae	0.00002377
Christensenellaceae	0.00002377
Paenibacillaceae	0.00002377
Anaplasmataceae	0.00002377
Chitinophagaceae	0.00002207
Fimbriimonadaceae	0.00002207
Sphingobacteriaceae	0.00002207
Kosmotogaceae	0.00002037
Aquificaceae	0.00002037
Desulfurellaceae	0.00001867
Parameciidae	0.00001867
Planococcaceae	0.00001867
Sclerotiniaceae	0.00001867
Erythrobacteraceae	0.00001867
Synergistaceae	0.00001867
Fusobacteriaceae	0.00001867
Sandaracinaceae	0.00001698

Hypocreaceae	0.00001698
Calditrichaceae	0.00001698
Parachlamydiaceae	0.00001698
Candidatus Babeliaceae	0.00001698
Borreliaceae	0.00001528
Lachnospiraceae	0.00001528
Noelaerhabdaceae	0.00001528
Methanobacteriaceae	0.00001528
Rhodocyclaceae	0.00001528
Geobacteraceae	0.00001358
Glomerellaceae	0.00001358
Propionibacteriaceae	0.00001358
Pleosporaceae	0.00001358
Rickettsiaceae	0.00001358
Erysipelotrichaceae	0.00001358
Entamoebidae	0.00001358
Myoviridae	0.00001358
Thiotrichaceae	0.00001188
Bradyrhizobiaceae	0.00001188
Bradymonadaceae	0.00001188
Poxviridae	0.00001188
Peptoniphilaceae	0.00001188
Isosphaeraceae	0.00001018
Syntrophomonadaceae	0.00001018
Metschnikowiaceae	0.00001018
Psathyrellaceae	0.00001018
Halobacteroidaceae	0.00001018
Acidilobaceae	0.00000849
Methanomicrobiaceae	0.00000849

Cryptosporidiidae	0.00000849
Acytosteliaceae	0.00000849
Sporidiobolaceae	0.00000849
Gloeophyllaceae	0.00000849
Trichomonadidae	0.00000849
Cavenderiaceae	0.00000679
Nocardioideaceae	0.00000679
Solibacteraceae	0.00000679
Sordariaceae	0.00000679
Aphanothecaceae	0.00000679
Thiobacillaceae	0.00000679
Nitrososphaeraceae	0.00000679
Phycomycetaceae	0.00000679
Polyangiaceae	0.00000679
Prevotellaceae	0.00000679
Pseudonocardiaceae	0.00000679
Micrococcaceae	0.00000679
Leptosphaeriaceae	0.00000679
Flammeovirgaceae	0.00000509
Schizosaccharomycetaceae	0.00000509
Acanthamoebidae	0.00000509
Gregarinidae	0.00000509
Nostocaceae	0.00000509
Ascoideaceae	0.00000509
Cryptomonadaceae	0.00000509
Thermoanaerobacterales Family III. Incertae Sedis	0.00000509
Plectosphaerellaceae	0.00000509
Candidatus Nitrosocaldaceae	0.00000509
Syntrophobacteraceae	0.00000509

Brevibacteriaceae	0.00000509
Nectriaceae	0.00000509
Trichocomaceae	0.00000509
Pichiaceae	0.00000509
Genus level	
Escherichia	0.27955909
Salmonella	0.25197378
Klebsiella	0.10003675
Xenorhabdus	0.02747641
Enterobacter	0.02723479
Shigella	0.02701359
Vibrio	0.01734206
Yersinia	0.01582769
Citrobacter	0.0096341
Pseudomonas	0.00913044
Sodalis	0.00901133
Serratia	0.00697289
Edwardsiella	0.00649987
Plasmodium	0.00603365
Izhakiella	0.00568653
Buchnera	0.00566952
Pantoea	0.00489021
Legionella	0.00447504
Photorhabdus	0.00433551
Azotobacter	0.00428787
Dickeya	0.00397138
Raoultella	0.00393055
Candidatus Hamiltonella	0.00379783
Pectobacterium	0.00376379

Staphylococcus	0.00373657
Aeromonas	0.00358343
Morganella	0.00331799
Erwinia	0.003107
Candidatus Fukatsuia	0.00303213
Candidatus Hoaglandella	0.00302873
Arsenophonus	0.00289941
Photobacterium	0.00280073
Thiomicrothrix	0.00273266
Candidatus Blochmannia	0.00268842
Brenneria	0.00267481
Muricauda	0.00262036
Neisseria	0.00256251
Candidatus Ishikawaella	0.00255911
Proteus	0.00239576
Nitrosococcus	0.0022154
Atlantibacter	0.00220519
Oceanisphaera	0.00215754
Histoplasma	0.00209629
Pseudoalteromonas	0.00207247
Bacterioplanes	0.00206226
Shewanella	0.00205205
Leclercia	0.00201121
Pragia	0.002001
Acinetobacter	0.00192273
Acidithiobacillus	0.00176619
Spirochaeta	0.00175598
Bacillus	0.00162326
Tremella	0.00159263

Saccharospirillum	0.00156881
Ahniella	0.00151096
Gallibacterium	0.00150756
Kosakonia	0.00148714
Maritalea	0.00146332
Rahnella	0.00140206
Candidatus Purcelliella	0.00140206
Burkholderia	0.00137824
Lautropia	0.00131018
Meira	0.00129997
Alteromonas	0.00126594
Sulfurifustis	0.00121149
Providencia	0.0011094
Basfia	0.00107196
Gilliamella	0.00104814
Nonanavirus	0.00104474
Lelliottia	0.00101751
Haemophilus	0.00101751
Pleomorphomonas	0.0010005
Candidatus Riesia	0.00096647
Tatumella	0.00095626
Piscirickettsia	0.00093244
Trypanosoma	0.00091202
Halomonas	0.00091202
Thioalkalivibrio	0.00091202
Toxoplasma	0.00090862
Campylobacter	0.0008916
Candidatus Moranella	0.00087459
Marinobacter	0.00082694

Cardiobacterium	0.00081673
Desulfurispirillum	0.00079291
Cronobacter	0.00076228
Psychromonas	0.00076228
Corynebacterium	0.00075548
Thioflaviccoccus	0.00074187
Histophilus	0.00070103
Desulfovibrio	0.00069763
Pasteurella	0.00068061
Acetobacter	0.00065339
Enterococcus	0.00064318
Moraxella	0.00062956
Plesiomonas	0.00062616
Cellvibrio	0.00062616
Sulfuritalea	0.00059894
Psychrobacter	0.00059553
Streptococcus	0.00058192
Lactobacillus	0.00058192
Desulfococcus	0.0005615
Salinisphaera	0.0005581
Polynucleobacter	0.00055129
Micavibrio	0.00054789
Candidatus Hepatoplasma	0.00054449
Oleispira	0.00054449
Catenovulum	0.00054449
Granulicella	0.00052747
Candidatus Mikella	0.00051046
Acholeplasma	0.00050365
Rhizophagus	0.00049684

Dechloromonas	0.00049344
Blattabacterium	0.00049004
Candidatus Doolittlea	0.00046962
Kangiella	0.00046622
Shimwellia	0.00046281
Vampirococcus	0.00045941
Clostridium	0.00045941
Candidatus Cloacimonas	0.0004424
Aliivibrio	0.00043899
Aggregatibacter	0.00043559
Nitrosomonas	0.00043559
Mycoplasma	0.00042198
Paraglaciecola	0.00040156
Tabrizicola	0.00039475
Streptomyces	0.00039135
Stenotrophomonas	0.00038114
Salinivibrio	0.00036753
Cedecea	0.00036753
Desulfuromonas	0.00036412
Mahella	0.00036072
Melampsora	0.00036072
Ferrimonas	0.00035732
Microbulbifer	0.00035392
Thalassotalea	0.00035051
Chloroflexus	0.00034711
Glaesserella	0.00034711
Caldilinea	0.00034711
Coxiella	0.0003403
Sulfuricaulis	0.00033009

Candidatus Carsonella	0.00033009
Leptomonas	0.00032669
Candidatus Nardonella	0.00032329
Pluralibacter	0.00032329
Kwoniella	0.00032329
Laribacter	0.00031988
Bifidobacterium	0.00031648
Hirschia	0.00030287
Calothrix	0.00029947
Lysobacter	0.00029606
Leminorella	0.00028245
Emcibacter	0.00028245
Blastochloris	0.00027905
Moritella	0.00027564
Rheinheimera	0.00027224
Massilia	0.00026544
Devosia	0.00026544
Sideroxydans	0.00025863
Malassezia	0.00025863
Gordonibacter	0.00025182
Halothiobacillus	0.00024842
Hyphomonas	0.00024161
Desulfobulbus	0.00024161
Idiomarina	0.00024161
Marinomonas	0.00023821
Roseiflexus	0.00023481
Hahella	0.00023481
Candidatus Portiera	0.00023481
Halorhodospira	0.00023481

Ureaplasma	0.0002246
Francisella	0.00021779
Mycobacterium	0.00021779
Rubrobacter	0.00020418
Vulgatibacter	0.00019397
Syntrophus	0.00018716
Candidatus Sulcia	0.00018376
Hydrogenophilus	0.00018376
Arthrospira	0.00018376
Sulfuricella	0.00018036
Aphanomyces	0.00018036
Babesia	0.00017696
Candidatus Kuenenia	0.00017355
Zymomonas	0.00017355
Brachyspira	0.00017355
Orthobunyavirus	0.00017015
Desulfotalea	0.00017015
Rubinisphaera	0.00017015
Tepidanaerobacter	0.00017015
Selenomonas	0.00016675
Candida	0.00016334
Taylorella	0.00016334
Gallaecimonas	0.00016334
Rickettsiella	0.00015994
Hydrogenovibrio	0.00015994
Candidatus Tachikawaea	0.00015654
Pseudolabrys	0.00015654
Methylocella	0.00015654
Brevundimonas	0.00014973

Pseudoxanthomonas	0.00014973
Pontibacter	0.00014633
Sedimenticola	0.00014633
Helicobacter	0.00014292
Salinimonas	0.00014292
Pseudodesulfovibrio	0.00014292
Agarivorans	0.00013952
Parvibaculum	0.00013952
Oceanithermus	0.00013952
Desulfitobacterium	0.00013952
Purpureocillium	0.00013612
Sphingopyxis	0.00013612
Dictyostelium	0.00012931
Wenzhouxiangella	0.00012591
Limnobaculum	0.00012591
Allofrancisella	0.00012251
Phytophthora	0.00012251
Kushneria	0.00012251
Leptolyngbya	0.0001191
Phytobacter	0.0001157
Aspergillus	0.0001157
Thermus	0.0001157
Ottowia	0.0001123
Desulfarculus	0.0001123
Bacteriovorax	0.0001123
Leptospirillum	0.00010889
Solimonas	0.00010889
Gemmatirosa	0.00010889
Thalassolituus	0.00010889

Sphingomonas	0.00010889
Candidatus Nasuia	0.00010889
Luteitalea	0.00010549
Candidatus Gullanella	0.00010549
Candidatus Paracaedibacter	0.00010209
Bacteroides	0.00010209
Mesorhizobium	0.00010209
Clostridioides	0.00010209
Wigglesworthia	0.00010209
Sedimentisphaera	0.00009868
Nitratireductor	0.00009868
Theileria	0.00009528
Marichromatium	0.00009528
Maricaulis	0.00009188
Veillonella	0.00009188
Mixta	0.00009188
Woeseia	0.00009188
Candidatus Fokinia	0.00009188
Gemmata	0.00008848
Herbaspirillum	0.00008848
Parolsenella	0.00008848
Sulfitobacter	0.00008848
Rhodococcus	0.00008848
Brucella	0.00008507
Mannheimia	0.00008507
Spirosoma	0.00008167
Asticcacaulis	0.00008167
Sphaerochaeta	0.00008167
Actinoplanes	0.00007827

Magnetospirillum	0.00007827
Kyrpidia	0.00007827
Thiomonas	0.00007827
Vitreoscilla	0.00007827
Mageeibacillus	0.00007827
Hymenobacter	0.00007827
Methylacidiphilum	0.00007486
Actinobacillus	0.00007486
Rufibacter	0.00007486
Thermobispora	0.00007146
Sulfurihydrogenibium	0.00007146
Perkinsus	0.00007146
Immundisolibacter	0.00006806
Zymobacter	0.00006806
Gamaleyavirus	0.00006806
Haliangium	0.00006806
Flexistipes	0.00006806
Glycocaulis	0.00006806
Desulfobacca	0.00006465
Pseudohongiella	0.00006465
Pseudothermotoga	0.00006465
Fastidiosipila	0.00006465
Oblitimonas	0.00006465
Eimeria	0.00006465
Anaeromyxobacter	0.00006465
Parvularcula	0.00006465
Thermaerobacter	0.00006465
Bibersteinia	0.00006465
Colwellia	0.00006465

Candidatus Tremblaya	0.00006465
Candidatus Amoebophilus	0.00006125
Obesumbacterium	0.00006125
Apibacter	0.00006125
Cetia	0.00005785
Bordetella	0.00005785
Sulfurivermis	0.00005785
Natranaerobius	0.00005785
Gemmatimonas	0.00005785
Liberibacter	0.00005785
Celeribacter	0.00005444
Leisingera	0.00005444
Ruegeria	0.00005444
Sphaerulina	0.00005444
Sutterella	0.00005444
Eubacterium	0.00005444
Thiohalobacter	0.00005444
Schaalia	0.00005104
Luteibacter	0.00005104
Leptospira	0.00005104
Christensenella	0.00004764
Gibbsiella	0.00004764
Alcanivorax	0.00004764
Dichelobacter	0.00004764
Oceanimonas	0.00004764
Olsenella	0.00004764
Halothermothrix	0.00004764
Methylophaga	0.00004764
Truepera	0.00004764

Thiodictyon	0.00004764
Candidatus Nitrosoglobus	0.00004764
Pusillimonas	0.00004424
Azospirillum	0.00004424
Fimbriimonas	0.00004424
Synechococcus	0.00004424
Weeksella	0.00004424
Wolbachia	0.00004424
Mucilaginibacter	0.00004424
Chitinophaga	0.00004083
Frischella	0.00004083
Methyloceanibacter	0.00003743
Alkalilimnicola	0.00003743
Fusobacterium	0.00003743
Paramecium	0.00003743
Roseitalea	0.00003743
Oceanicoccus	0.00003743
Candidatus Desulforudis	0.00003743
Achromobacter	0.00003743
Porphyromonas	0.00003743
Arcobacter	0.00003743
Acidiferrobacter	0.00003743
Rhizobium	0.00003743
Reinekea	0.00003403
Simiduia	0.00003403
Kosmotoga	0.00003403
Methylomicrobium	0.00003403
Thermovirga	0.00003403
Candidatus Babela	0.00003403

Fonsecaea	0.00003403
Sandaracinus	0.00003403
Phenylobacterium	0.00003403
Salinicola	0.00003403
Grimontia	0.00003403
Trichoderma	0.00003403
Caldithrix	0.00003403
Wolinella	0.00003062
Thiocystis	0.00003062
Candidatus Pelagibacter	0.00003062
Oligella	0.00003062
Steroidobacter	0.00003062
Litorilituus	0.00003062
Leishmania	0.00003062
Halocella	0.00003062
Pannonibacter	0.00003062
Sulfurospirillum	0.00003062
Avibacterium	0.00003062
Emiliana	0.00003062
Fictibacillus	0.00003062
Pelobacter	0.00003062
Azospira	0.00003062
Candidatus Profftella	0.00002722
Borrelia	0.00002722
Lacimicrobium	0.00002722
Hartmannibacter	0.00002722
Sulfuriflexus	0.00002722
Xanthomonas	0.00002722
Haematospirillum	0.00002722

Entamoeba	0.00002722
Colletotrichum	0.00002722
Desulfurella	0.00002722
Sclerotinia	0.00002722
Exophiala	0.00002722
Besnoitia	0.00002722
Methylomonas	0.00002382
Desulfosporosinus	0.00002382
Paenibacillus	0.00002382
Bradymonas	0.00002382
Geobacter	0.00002382
Orientia	0.00002041
Ralstonia	0.00002041
Treponema	0.00002041
Buttiauxella	0.00002041
Candidatus Cardinium	0.00002041
Coprinopsis	0.00002041
Hydrogenobaculum	0.00002041
Zygosaccharomyces	0.00002041
Dactylococcopsis	0.00002041
Tolumonas	0.00002041
Syntrophomonas	0.00002041
Candidatus Thioglobus	0.00002041
Cyclospora	0.00002041
Thermosulfidibacter	0.00002041
Anaerococcus	0.00002041
Candidatus Endolissoclinum	0.00002041
Variovorax	0.00002041
Streptacidiphilus	0.00002041

Xylella	0.00002041
Thioploca	0.00002041
Cohnella	0.00002041
Candidatus Puniceispirillum	0.00001701
Eremothecium	0.00001701
Methylocaldum	0.00001701
Methanoculleus	0.00001701
Gloeophyllum	0.00001701
Clavispora	0.00001701
Blautia	0.00001701
Rhodotorula	0.00001701
Cryptosporidium	0.00001701
Cryptococcus	0.00001701
Alcaligenes	0.00001701
Spongiibacter	0.00001701
Acidilobus	0.00001701
Bipolaris	0.00001701
Granulosicoccus	0.00001701
Microcoleus	0.00001701
Calditerrivibrio	0.00001701
Faecalibaculum	0.00001701
Rhodomicrobium	0.00001701
Rhodospirillum	0.00001701
Actinomyces	0.00001701
Parasaccharibacter	0.00001701
Janthinobacterium	0.00001701
Chania	0.00001701
Trichomonas	0.00001701
Nitrospira	0.00001701

Gloeotheca	0.00001361
Leptosphaeria	0.00001361
Candidatus Solibacter	0.00001361
Phycomyces	0.00001361
Halotalea	0.00001361
Ketobacter	0.00001361
Parageobacillus	0.00001361
Lodderomyces	0.00001361
Blastomonas	0.00001361
Prevotella	0.00001361
Winogradskyella	0.00001361
Thiomicrospira	0.00001361
Nitrospira	0.00001361
Paenisporosarcina	0.00001361
Zobellella	0.00001361
Altererythrobacter	0.00001361
Desulfobacula	0.00001361
Cavenderia	0.00001361
Capnocytophaga	0.00001361
Thiolapillus	0.00001361
Dyella	0.00001361
Erythrobacter	0.00001361
Parashewanella	0.00001361
Nocardioides	0.00001361
Acetohalobium	0.00001361
Sulfuritortus	0.00001361
Denitrobacterium	0.00001361
Alicyclobacillus	0.00001361
Microlunatus	0.00001361

Gemmobacter	0.00001361
Saccharomyces	0.0000102
Planctopirus	0.0000102
Caldimicrobium	0.0000102
Neurospora	0.0000102
Acanthamoeba	0.0000102
Nostoc	0.0000102
Cutibacterium	0.0000102
Exiguobacterium	0.0000102
Brevibacterium	0.0000102
Verticillium	0.0000102
Olleya	0.0000102
Candidatus Nitrosocaldus	0.0000102
Nitrososphaera	0.0000102
Turicibacter	0.0000102
Persephonella	0.0000102
Fusarium	0.0000102
Gregarina	0.0000102
Ascoidea	0.0000102
Simplicispira	0.0000102
Paraburkholderia	0.0000102
Pediococcus	0.0000102
Magnetospira	0.0000102
Indioceanicola	0.0000102
Isosphaera	0.0000102
Oxalobacter	0.0000102
Cytophaga	0.0000102
Dokdonia	0.0000102
Plasmopara	0.0000102

Flammeovirga	0.0000102
Hafnia	0.0000102
Hippea	0.0000102
Kurthia	0.0000102
Syntrophobacter	0.0000102
Fuerstia	0.0000102
Comamonas	0.0000102
Chondromyces	0.0000102
Tumebacillus	0.0000102
Bigelowiella	0.0000102
Luteimonas	0.0000102
Gallionella	0.0000102
Lawsonia	0.0000102
Botrytis	0.0000102
Schizosaccharomyces	0.0000102
Candidatus Nitrosopelagicus	0.0000102
Cryptomonas	0.0000102
Species level	
Escherichia coli	0.27444733
Salmonella enterica	0.25653916
Klebsiella pneumoniae	0.08548012
Shigella flexneri	0.01935112
Yersinia pestis	0.01018536
Xenorhabdus poinarii	0.0100901
Xenorhabdus nematophila	0.00897172
Enterobacter roggkampii	0.00763461
Klebsiella variicola	0.00751818
Shigella dysenteriae	0.00613167
Izhakiella sp. KSNA2	0.0058953

<i>Buchnera aphidicola</i>	0.00587766
<i>Plasmodium vivax</i>	0.00519322
<i>Enterobacter cloacae</i>	0.00488629
Candidatus <i>Sodalis pierantonius</i>	0.00482278
<i>Escherichia albertii</i>	0.00451232
<i>Plautia stali</i> symbiont	0.00450173
<i>Edwardsiella ictaluri</i>	0.00446645
<i>Enterobacter cloacae</i> complex sp.	0.00444529
<i>Vibrio cholerae</i>	0.00443117
<i>Sodalis</i> endosymbiont of <i>Henestaris halophilus</i>	0.00431828
<i>Xenorhabdus doucetiae</i>	0.00414893
<i>Klebsiella quasipneumoniae</i>	0.00411365
Candidatus <i>Hamiltonella defensa</i>	0.00393725
<i>Enterobacter</i> sp. FY-07	0.00389139
<i>Vibrio vulnificus</i>	0.00354564
<i>Citrobacter amalonaticus</i>	0.00350331
<i>Raoultella terrigena</i>	0.0034645
<i>Morganella morganii</i>	0.0034398
secondary endosymbiont of <i>Ctenarytaina eucalypti</i>	0.00341864
<i>Vibrio campbellii</i>	0.00325988
Candidatus <i>Fukatsuia symbiotica</i>	0.00314345
Candidatus <i>Hoaglandella endobia</i>	0.00313992
<i>Xenorhabdus bovienii</i>	0.00310464
<i>Serratia rubidaea</i>	0.00292471
<i>Escherichia fergusonii</i>	0.00278007
Candidatus <i>Baumannia cicadellinicola</i>	0.00272009
<i>Muricauda lutaonensis</i>	0.00271656
Candidatus <i>Ishikawaella capsulata</i>	0.00265306
<i>Brenneria goodwinii</i>	0.00248724

Enterobacter bugandensis	0.00243432
Escherichia marmotae	0.00232495
Pseudomonas aeruginosa	0.00229673
Atlantibacter hermannii	0.00228615
Klebsiella aerogenes	0.00227909
Neisseria meningitidis	0.00227556
Dickeya sp. Secpp 1600	0.00223323
Enterobacter ludwigii	0.0022297
Pectobacterium parmentieri	0.00219442
Histoplasma capsulatum	0.00217325
Bacterioplanes sanyensis	0.00213797
Vibrio parahaemolyticus	0.00212738
Photobacterium damsela	0.00210269
Staphylococcus aureus	0.00207094
Thiomicrothrix sp. 13-15A	0.00203566
Pragia fontium	0.00202154
Proteus mirabilis	0.00190865
Yersinia pseudotuberculosis	0.00184867
Edwardsiella anguillarum	0.00182045
Klebsiella michiganensis	0.00180986
Spirochaeta thermophila	0.00179222
Aeromonas hydrophila	0.0017887
Yersinia enterocolitica	0.0016758
Tremella mesenterica	0.0016511
Saccharosporium mangrovi	0.00162641
Staphylococcus hominis	0.00160171
Ahniella affigens	0.00156643
Gallibacterium anatis	0.0015629
secondary endosymbiont of Trabutina mannipara	0.00153821

<i>Vibrio furnissii</i>	0.0015241
<i>Maritalea myrionectae</i>	0.00151704
Candidatus <i>Purcelliella pentastirinorum</i>	0.00145354
<i>Leclercia</i> sp. LSNIH3	0.00142178
<i>Photorhabdus asymbiotica</i>	0.00142178
<i>Salmonella bongori</i>	0.00141473
<i>Serratia fonticola</i>	0.00137239
<i>Klebsiella oxytoca</i>	0.00137239
<i>Oceanisphaera avium</i>	0.00136533
<i>Lautropia mirabilis</i>	0.00135828
<i>Enterobacter hormaechei</i>	0.00135475
<i>Meira miltonrushii</i>	0.00134769
Candidatus <i>Pantoea carbekii</i>	0.00127713
secondary endosymbiont of <i>Heteropsylla cubana</i>	0.00126655
<i>Sulfurifustis variabilis</i>	0.00125597
<i>Pantoea</i> sp. At-9b	0.00122421
<i>Pseudomonas stutzeri</i>	0.00120657
<i>Acinetobacter baumannii</i>	0.00119246
<i>Shigella boydii</i>	0.00115365
<i>Citrobacter rodentium</i>	0.00115365
<i>Shigella sonnei</i>	0.00114307
<i>Arsenophonus</i> endosymbiont of <i>Aleurodicus dispersus</i>	0.00113601
Candidatus <i>Arsenophonus lipoptenae</i>	0.0011219
[<i>Mannheimia</i>] <i>succiniciproducens</i>	0.00111132
<i>Gilliamella apicola</i>	0.00108662
<i>Proteus</i> phage VB_PmiS-Isfahan	0.00108309
<i>Pectobacterium polaris</i>	0.00105487
<i>Pleomorphomonas</i> sp. SM30	0.00103723
<i>Nitrosococcus halophilus</i>	0.00103017

<i>Legionella pneumophila</i>	0.00100548
Candidatus <i>Riesia pediculicola</i>	0.00100195
<i>Rahnella aquatilis</i>	0.00099137
<i>Piscirickettsia salmonis</i>	0.00096667
<i>Pseudomonas antarctica</i>	0.00095256
<i>Tatumella ptyseos</i>	0.00094903
<i>Toxoplasma gondii</i>	0.00094197
<i>Yersinia frederiksenii</i>	0.00093845
<i>Kosakonia oryzae</i>	0.00091728
<i>Trypanosoma cruzi</i>	0.00091022
Candidatus <i>Moranella endobia</i>	0.00090669
<i>Citrobacter freundii</i>	0.00090317
<i>Campylobacter jejuni</i>	0.00090317
Candidatus <i>Blochmannia pennsylvanicus</i>	0.00086789
<i>Serratia</i> sp. P2ACOL2	0.00086436
<i>Cardiobacterium hominis</i>	0.00084672
<i>Desulfurispirillum indicum</i>	0.00082202
Candidatus <i>Pseudomonas adelgestsugas</i>	0.00082202
<i>Vibrio tapetis</i>	0.00081497
<i>Aeromonas veronii</i>	0.00078674
<i>Vibrio aphrogenes</i>	0.00077969
<i>Thioflavicoccus mobilis</i>	0.0007691
Candidatus <i>Blochmannia floridanus</i>	0.00076557
<i>Halomonas</i> sp. KO116	0.00075852
Candidatus <i>Erwinia haradaeae</i>	0.00073735
<i>Shewanella baltica</i>	0.00073735
<i>Alteromonas mediterranea</i>	0.00073382
<i>Histophilus somni</i>	0.00072677
Burkholderiales bacterium YL45	0.00071265

<i>Pasteurella multocida</i>	0.0007056
<i>Pseudomonas</i> sp. MYb193	0.00069501
<i>Arsenophonus nasoniae</i>	0.00069149
<i>Photorhabdus laumondii</i>	0.00066326
<i>Plesiomonas shigelloides</i>	0.00064915
<i>Pseudomonas fluorescens</i>	0.00063857
<i>Enterococcus faecium</i>	0.00063504
<i>Pantoea agglomerans</i>	0.00063151
<i>Citrobacter</i> sp. CRE-46	0.00062445
<i>Sulfuritalea hydrogenivorans</i>	0.00062093
<i>Haemophilus influenzae</i>	0.00059623
<i>Serratia marcescens</i>	0.00059623
<i>Pseudomonas putida</i>	0.00059623
<i>Desulfococcus oleovorans</i>	0.00058212
<i>Pantoea ananatis</i>	0.00057859
<i>Salinisphaera</i> sp. LB1	0.00057859
<i>Polynucleobacter necessarius</i>	0.00057153
<i>Micavibrio aeruginosavorus</i>	0.000568
<i>Oleispira antarctica</i>	0.00056448
Candidatus <i>Hepatoplasma crinochetorum</i>	0.00056448
<i>Catenovulum</i> sp. CCB-QB4	0.00056448
<i>Vibrio coralliilyticus</i>	0.00056448
<i>Burkholderia cepacia</i>	0.00056095
<i>Legionella lansingensis</i>	0.00055742
<i>Granulicella tundricola</i>	0.00054684
<i>Lelliottia amnigena</i>	0.00053978
<i>Photobacterium profundum</i>	0.00053978
Candidatus <i>Mikella endobia</i>	0.0005292
<i>Pseudoalteromonas tunicata</i>	0.00052567

<i>Raoultella ornithinolytica</i>	0.00052214
<i>Aeromonas media</i>	0.00052214
<i>Rhizophagus irregularis</i>	0.00051508
<i>Pantoea</i> sp. PSNIH2	0.00051508
<i>Serratia plymuthica</i>	0.00051156
<i>Lelliottia</i> sp. WB101	0.00050803
<i>Pseudomonas</i> sp. S150	0.00050097
<i>Corynebacterium diphtheriae</i>	0.00050097
<i>Providencia rettgeri</i>	0.00049744
Candidatus <i>Doolittlea endobia</i>	0.00048686
<i>Shimwellia blattae</i>	0.0004798
<i>Desulfovibrio</i> sp. G11	0.0004798
<i>Pseudomonas silesiensis</i>	0.0004798
<i>Vampirococcus</i> sp. LiM	0.00047628
<i>Shewanella denitrificans</i>	0.00046216
<i>Rahnella</i> sp. ERM1:05	0.00046216
<i>Cronobacter sakazakii</i>	0.00046216
Candidatus <i>Cloacimonas acidaminovorans</i>	0.00045864
<i>Paraglaciecola psychrophila</i>	0.0004163
<i>Legionella</i> endosymbiont of <i>Polyplax serrata</i>	0.0004163
<i>Bacillus velezensis</i>	0.00041277
<i>Pseudoalteromonas carrageenovora</i>	0.00041277
<i>Tabrizicola</i> sp. K13M18	0.00040924
<i>Clostridium botulinum</i>	0.00040219
Enterobacteriaceae bacterium strain FGI 57	0.00040219
<i>Kosakonia cowanii</i>	0.00039866
<i>Leclercia adecarboxylata</i>	0.0003916
<i>Stenotrophomonas maltophilia</i>	0.0003916
<i>Streptococcus pneumoniae</i>	0.00038808

<i>Providencia stuartii</i>	0.00038102
<i>Citrobacter</i> sp. LY-1	0.00038102
<i>Melampsora larici-populina</i>	0.00037396
<i>Mahella australiensis</i>	0.00037396
<i>Edwardsiella tarda</i>	0.00037044
<i>Ferrimonas balearica</i>	0.00037044
<i>Dechloromonas aromatica</i>	0.00036691
<i>Enterobacter kobei</i>	0.00036338
<i>Caldilinea aerophila</i>	0.00035985
<i>Thioalkalivibrio versutus</i>	0.00035985
<i>Glaesserella parasuis</i>	0.00035985
<i>Cedecea neteri</i>	0.00035632
<i>Lactobacillus ruminis</i>	0.0003528
<i>Blochmannia endosymbiont of Camponotus (Colobopsis) obliquus</i>	0.0003528
<i>Aeromonas</i> sp. ASNIH2	0.0003528
<i>Salinivibrio kushneri</i>	0.00034927
<i>Sulfuricaulis limicola</i>	0.00034221
<i>Candidatus Carsonella ruddii</i>	0.00034221
<i>Aggregatibacter actinomycetemcomitans</i>	0.00033868
<i>Leptomonas pyrrocoris</i>	0.00033868
<i>Burkholderia pseudomallei</i>	0.00033868
<i>Pectobacterium carotovorum</i>	0.00033516
<i>Laribacter hongkongensis</i>	0.00033163
<i>Alteromonas</i> sp. RKMC-009	0.0003281
<i>Kwoniella mangrovensis</i>	0.00032457
<i>Chloroflexus aggregans</i>	0.00032457
<i>Erwinia tasmaniensis</i>	0.00032104
(<i>Hedomyrma</i>) <i>turneri</i>	0.00031399
<i>Hirschia baltica</i>	0.00031399

<i>Acinetobacter pittii</i>	0.00030693
<i>Erwinia</i> sp. Ejp617	0.00030693
<i>Leminorella richardii</i>	0.00029282
<i>Calothrix parietina</i>	0.00029282
<i>Bacillus megaterium</i>	0.00028929
<i>Emcibacter congregatus</i>	0.00028576
<i>Lysobacter</i> sp. TY2-98	0.00027871
[<i>Enterobacter</i>] <i>lignolyticus</i>	0.00027871
<i>Thalassotalea</i> sp. HSM 43	0.00027871
<i>Rheinheimera</i> sp. LHK132	0.00027165
<i>Sideroxydans lithotrophicus</i>	0.00026812
<i>Serratia</i> sp. 3ACOL1	0.00026812
<i>Photobacterium gaetbulicola</i>	0.00026107
<i>Gordonibacter massiliensis</i>	0.00026107
<i>Enterobacter asburiae</i>	0.00026107
<i>Devosia</i> sp. I507	0.00025048
<i>Desulfobulbus oralis</i>	0.00025048
<i>Proteus hauseri</i>	0.00024696
<i>Brenneria rubrifaciens</i>	0.00024696
<i>Idiomarina loihiensis</i>	0.00024696
<i>Alteromonas australica</i>	0.00024343
Candidatus <i>Portiera aleyrodidarum</i>	0.00024343
<i>Coriobacteriaceae</i> bacterium 68-1-3	0.0002399
<i>Cellvibrio</i> sp. PSBB006	0.0002399
<i>Legionella spiritensis</i>	0.00023637
<i>Erwinia amylovora</i>	0.00023637
<i>Halorhodospira halochloris</i>	0.00023284
endosymbiont of <i>Pachyrhynchus infernalis</i>	0.00023284
<i>Burkholderia thailandensis</i>	0.00022932

Microbulbifer thermotolerans	0.00022932
Leclercia sp. LSNIH1	0.00021873
Pantoea sp. PSNIH1	0.00021168
Candidatus Dependientiae bacterium (ex Spumella elongata CCAP 955/1)	0.00021168
Pantoea rwandensis	0.00021168
Pantoea sp. SO10	0.00021168
Rhodanobacteraceae bacterium Dysh456	0.00020462
Psychrobacter urativorans	0.00020462
Vulgatibacter incomptus	0.00020109
Shewanella japonica	0.00020109
Bacillus anthracis	0.00019404
Syntrophus aciditrophicus	0.00019404
Haemophilus parainfluenzae	0.00019404
Sodalis praecaptivus	0.00019404
Hydrogenophilus thermoluteolus	0.00019051
Kosakonia sacchari	0.00019051
Arthrospira sp. TJSD092	0.00019051
Candidatus Sulcia muelleri	0.00019051
Dickeya zeae	0.00018698
Sulfuricella denitrificans	0.00018698
Aliivibrio salmonicida	0.00018698
Bacillus thuringiensis	0.00018345
Aphanomyces invadans	0.00017992
Candidatus Kuenenia stuttgartiensis	0.00017992
Neisseria gonorrhoeae	0.00017992
Zymomonas mobilis	0.00017992
Desulfotalea psychrophila	0.0001764
Tepidanaerobacter acetatoxydans	0.0001764
Rubinisphaera brasiliensis	0.0001764

<i>Shewanella</i> sp. Pdp11	0.00017287
<i>Yersinia ruckeri</i>	0.00017287
<i>Gallaecimonas mangrovi</i>	0.00016934
Chromatiaceae bacterium 2141T.STBD.0c.01a	0.00016581
<i>Hydrogenovibrio crunogenus</i>	0.00016581
Candidatus <i>Rickettsiella viridis</i>	0.00016581
<i>Methylocella tundrae</i>	0.00016228
<i>Pseudolabrys</i> sp. FHR47	0.00016228
Candidatus <i>Tachikawaea gelatinosa</i>	0.00016228
<i>Vibrio natriegens</i>	0.00015876
<i>Taylorella equigenitalis</i>	0.00015876
<i>Providencia heimbachae</i>	0.00015876
<i>Vibrio alfacensis</i>	0.00015876
<i>Cronobacter muytjensii</i>	0.00015523
<i>Babesia</i> sp. Xinjiang	0.00015523
<i>Bacillus cereus</i>	0.00015523
<i>Pseudoalteromonas atlantica</i>	0.00015523
<i>Pseudoxanthomonas suwonensis</i>	0.00015523
<i>Hyphomonas neptunium</i>	0.0001517
<i>Candida orthopsilosis</i>	0.0001517
<i>Mycobacterium ulcerans</i>	0.0001517
<i>Sedimenticola thiotaurini</i>	0.0001517
<i>Pseudodesulfovibrio aespoeensis</i>	0.00014464
<i>Agarivorans gilvus</i>	0.00014464
<i>Photorhabdus thracensis</i>	0.00014464
<i>Parvibaculum lavamentivorans</i>	0.00014464
<i>Burkholderia dolosa</i>	0.00014464
<i>Oceanithermus profundus</i>	0.00014464
<i>Purpureocillium lilacinum</i>	0.00014112

Salinimonas sp. HMF8227	0.00014112
Selenomonas sp. oral taxon 478	0.00014112
Simbu orthobunyavirus	0.00013759
Erwinia persicina	0.00013759
Desulfitobacterium metallireducens	0.00013053
Acidithiobacillus caldus	0.00013053
Limnobaculum parvum	0.00013053
Wenzhouxiangella marina	0.00013053
Dictyostelium discoideum	0.000127
Allofrancisella guangzhouensis	0.000127
Helicobacter pylori	0.000127
Sphingopyxis sp. LPB0140	0.00012348
Erwinia gerundensis	0.00012348
Salmonella sp. SSDFZ54	0.00012348
Moraxella ovis	0.00011995
Phytobacter ursingii	0.00011995
Neisseria lactamica	0.00011995
Mycoplasma iowae	0.00011642
Ottowia oryzae	0.00011642
Legionella oakridgensis	0.00011642
Desulfarculus baarsii	0.00011642
Microbulbifer sp. A4B17	0.00011642
Bacteriovorax stolpii	0.00011642
Citrobacter freundii complex sp. CFNIH2	0.00011642
Haemophilus haemolyticus	0.00011642
Candidatus Nasuia deltocephalinicola	0.00011289
Gemmatirosa kalamazoonesis	0.00011289
Solimonas sp. K1W22B-7	0.00011289
Vibrio alginolyticus	0.00011289

<i>Thalassolituus oleivorans</i>	0.00011289
<i>Malassezia restricta</i>	0.00010936
<i>Psychromonas</i> sp. CNPT3	0.00010936
<i>Luteitalea pratensis</i>	0.00010936
<i>Pseudomonas monteilii</i>	0.00010936
Candidatus <i>Gullanella endobia</i>	0.00010936
<i>Plasmodium inui</i>	0.00010936
<i>Pantoea vagans</i>	0.00010936
<i>Streptomyces xiamenensis</i>	0.00010936
Candidatus <i>Paracaedibacter acanthamoebae</i>	0.00010584
<i>Clostridioides difficile</i>	0.00010584
<i>Wigglesworthia glossinidia</i>	0.00010584
<i>Phytophthora infestans</i>	0.00010231
endosymbiont of <i>Sipalinus gigas</i>	0.00010231
<i>Marichromatium purpuratum</i>	0.00009878
<i>Aggregatibacter aphrophilus</i>	0.00009878
<i>Theileria orientalis</i>	0.00009878
<i>Mixta gaviniae</i>	0.00009525
<i>Nitratireductor</i> sp. OM-1	0.00009525
<i>Maricaulis maris</i>	0.00009525
Candidatus <i>Fokinia solitaria</i>	0.00009525
<i>Streptomyces leeuwenhoekii</i>	0.00009525
<i>Pseudomonas veronii</i>	0.00009525
<i>Woeseia oceani</i>	0.00009525
<i>Hahella</i> sp. KA22	0.00009525
[<i>Haemophilus</i>] <i>ducreyi</i>	0.00009172
<i>Parolsenella catena</i>	0.00009172
<i>Mesorhizobium oceanicum</i>	0.00009172
<i>Gemmata</i> sp. SH-PL17	0.00009172

Enterobacter cloacae complex sp. ECNIH7	0.0000882
Mycoplasma gallisepticum	0.0000882
Gammaproteobacteria bacterium DM2	0.0000882
Cellvibrio sp. PSBB023	0.0000882
Spirosoma aerolatum	0.00008467
Asticcacaulis excentricus	0.00008467
Leptolyngbya sp. O-77	0.00008467
Thalassotalea crassostreae	0.00008467
Aeromonas schubertii	0.00008467
Mycoplasma penetrans	0.00008467
Citrobacter farmeri	0.00008467
Shewanella sp. ANA-3	0.00008467
Victivallales bacterium CCUG 44730	0.00008467
Thiomonas intermedia	0.00008114
Pectobacterium atrosepticum	0.00008114
Vitreoscilla sp. C1	0.00008114
Mageeibacillus indolicus	0.00008114
Malassezia globosa	0.00008114
Francisella tularensis	0.00008114
Herbaspirillum seropedicae	0.00008114
Thioalkalivibrio sulfidiphilus	0.00007761
endosymbiont of Eusepes postfasciatus	0.00007761
Dickeya solani	0.00007761
Methylacidiphilum fumariolicum	0.00007761
Vibrio mediterranei	0.00007761
Bifidobacterium longum	0.00007761
gamma proteobacterium HdN1	0.00007761
Burkholderia glumae	0.00007761
Perkinsus marinus	0.00007408

Caulobacteraceae bacterium OTSz_A_272	0.00007408
Raoultella planticola	0.00007408
Vibrio anguillarum	0.00007408
Thermobispora bispora	0.00007408
Yersinia intermedia	0.00007408
Dickeya dadantii	0.00007408
Sulfurihydrogenibium sp. YO3AOP1	0.00007056
endosymbiont of unidentified scaly snail isolate Monju	0.00007056
Zymobacter palmae	0.00007056
Legionella israelensis	0.00007056
Kushneria konosiri	0.00007056
Flexistipes sinusarabici	0.00007056
Actinoplanes missouriensis	0.00007056
Cronobacter malonaticus	0.00007056
Glycocaulis alkaliphilus	0.00007056
Immundisolibacter cernigliae	0.00007056
Haliangium ochraceum	0.00007056
Streptococcus suis	0.00007056
Mannheimia haemolytica	0.00007056
Anaerolineaceae bacterium oral taxon 439	0.00007056
Candidatus Gracilibacteria bacterium HOT-871	0.00006703
Psychromonas ingrahamii	0.00006703
Pseudohongiella spirulinae	0.00006703
Oblitimonas alkaliphila	0.00006703
Shewanella putrefaciens	0.00006703
Candidatus Tremblaya princeps	0.00006703
Magnetospirillum magneticum	0.00006703
Parvularcula bermudensis	0.00006703
Fastidiosipila sanguinis	0.00006703

<i>Bibersteinia trehalosi</i>	0.00006703
<i>Desulfobacca acetoxidans</i>	0.00006703
Candidatus <i>Blochmannia vafer</i>	0.00006703
<i>Halomonas</i> sp. SF2003	0.00006703
<i>Massilia armeniaca</i>	0.0000635
<i>Corynebacterium cystitidis</i>	0.0000635
<i>Apibacter</i> sp. HY041	0.0000635
<i>Erwinia pyrifoliae</i>	0.0000635
Candidatus <i>Amoebophilus asiaticus</i>	0.0000635
<i>Pseudomonas chlororaphis</i>	0.0000635
<i>Staphylococcus argenteus</i>	0.0000635
<i>Hymenobacter</i> sp. sh-6	0.0000635
<i>Obesumbacterium proteus</i>	0.0000635
<i>Lactobacillus paracollinoides</i>	0.0000635
<i>Pseudomonas</i> sp. UW4	0.00005997
<i>Halomonas elongata</i>	0.00005997
<i>Sulfurivermis fontis</i>	0.00005997
<i>Gemmatimonas aurantiaca</i>	0.00005997
<i>Moraxella bovis</i>	0.00005997
<i>Aeromonas salmonicida</i>	0.00005997
Candidatus <i>Liberibacter solanacearum</i>	0.00005997
<i>Natranaerobius thermophilus</i>	0.00005997
<i>Cetia pacifica</i>	0.00005997
<i>Streptomyces parvulus</i>	0.00005997
<i>Bifidobacterium thermophilum</i>	0.00005644
[<i>Eubacterium</i>] <i>eligens</i>	0.00005644
<i>Pluralibacter gergoviae</i>	0.00005644
<i>Streptococcus agalactiae</i>	0.00005644
<i>Thiohalobacter thiocyanaticus</i>	0.00005644

Ruegeria sp. NKC1-1	0.00005644
Klebsiella sp. WCHK1090001	0.00005644
Bacillus freudenreichii	0.00005644
alpha proteobacterium HIMB59	0.00005644
Serratia sp. ATCC 39006	0.00005644
Sphingomonas koreensis	0.00005644
Staphylococcus haemolyticus	0.00005644
Sphaerulina musiva	0.00005644
Pseudomonas azotoformans	0.00005292
Vibrio nigripulchritudo	0.00005292
Rhodococcus pyridinivorans	0.00005292
Ktedonobacterales bacterium SCAWS-G2	0.00005292
Cellvibrio japonicus	0.00004939
Gibbsiella quercinecans	0.00004939
Candidatus Thiodictyon syntrophicum	0.00004939
Oceanimonas sp. GK1	0.00004939
Candidatus Saccharibacteria bacterium YM_S32_TM7_50_20	0.00004939
Bacillus altitudinis	0.00004939
Truepera radiovictrix	0.00004939
Vibrio rumoiensis	0.00004939
Candidatus Nitrosoglobus terrae	0.00004939
Pseudomonas parafulva	0.00004939
Dichelobacter nodosus	0.00004939
Celeribacter indicus	0.00004939
Halothermothrix orenii	0.00004939
Christensenella massiliensis	0.00004939
Mucilaginibacter sp. PAMC 26640	0.00004586
Sutterella megalosphaeroides	0.00004586
Fimbriimonas ginsengisoli	0.00004586

<i>Weeksella virosa</i>	0.00004586
<i>Alcanivorax pacificus</i>	0.00004586
Sterolibacteriaceae bacterium M52	0.00004586
<i>Pusillimonas</i> sp. T7-7	0.00004586
<i>Eimeria acervulina</i>	0.00004233
<i>Shewanella benthica</i>	0.00004233
<i>Pseudoalteromonas donghaensis</i>	0.00004233
<i>Lactobacillus acidophilus</i>	0.00004233
<i>Bacteroides dorei</i>	0.00004233
<i>Pseudothermotoga thermarum</i>	0.00004233
<i>Halothiobacillus</i> sp. LS2	0.00004233
<i>Methylophaga nitratreducenticrescens</i>	0.00004233
<i>Wolbachia pipientis</i>	0.00004233
<i>Frischella perrara</i>	0.00004233
<i>Citrobacter freundii</i> complex sp. CFNIH3	0.0000388
<i>Paramecium tetraurelia</i>	0.0000388
<i>Citrobacter</i> sp. TBCP-5362	0.0000388
<i>Streptomyces ambofaciens</i>	0.0000388
<i>Achromobacter denitrificans</i>	0.0000388
<i>Candidatus Desulforudis audaxviator</i>	0.0000388
<i>Alkalilimnicola ehrlichii</i>	0.0000388
<i>Roseitalea porphyridii</i>	0.0000388
<i>Cronobacter universalis</i>	0.0000388
<i>Oceanicoccus sagamiensis</i>	0.0000388
<i>Lactobacillus jensenii</i>	0.0000388
<i>Citrobacter freundii</i> complex sp. CFNIH4	0.0000388
<i>Enterobacter</i> sp. SA187	0.0000388
<i>Tatumella citrea</i>	0.0000388
<i>Chitinophaga pinensis</i>	0.0000388

Acidiferrobacter sp. SPIII_3	0.0000388
Mycobacterium tuberculosis	0.0000388
Shamonda orthobunyavirus	0.0000388
Moraxella catarrhalis	0.0000388
Yersinia aleksiciae	0.00003528
Thermovirga lienii	0.00003528
Candidatus Babela massiliensis	0.00003528
Verrucomicrobia bacterium S94	0.00003528
Staphylococcus stepanovicii	0.00003528
Salinicola tamaricis	0.00003528
Phenylobacterium sp. HYN0004	0.00003528
Nitrosomonas sp. Is79A3	0.00003528
Rhodothermaceae bacterium	0.00003528
Rhizobium sp. Kim5	0.00003528
Simiduia agarivorans	0.00003528
Burkholderia gladioli	0.00003528
Pseudomonas sp. CC6-YY-74	0.00003528
Sandaracinus amylolyticus	0.00003528
Grimontia hollisae	0.00003528
Enterobacter sp. R4-368	0.00003528
Reinekea forsetii	0.00003528
Serratia sp. FDAARGOS_506	0.00003528
Caldithrix abyssi	0.00003528
Mycobacterium chimaera	0.00003528
Francisella sp. FDC440	0.00003175
Azospira oryzae	0.00003175
Pseudomonas taetrolens	0.00003175
Bordetella parapertussis	0.00003175
Kosmotoga olearia	0.00003175

Halocella sp. SP3-1	0.00003175
Oligella urethralis	0.00003175
Moritella viscosa	0.00003175
Bacillus pseudomycoides	0.00003175
Rickettsiales endosymbiont ofStachyamoeba lipophora	0.00003175
Enterobacter cancerogenus	0.00003175
Plasmodium gallinaceum	0.00003175
Steroidobacter denitrificans	0.00003175
Fictibacillus arsenicus	0.00003175
Thiocystis violascens	0.00003175
Lactobacillus lindneri	0.00003175
Wolinella succinogenes	0.00003175
Avibacterium paragallinarum	0.00003175
Emiliana huxleyi	0.00003175
Pannonibacter phragmitetus	0.00003175
Veillonella dispar	0.00003175
Litorilituus sediminis	0.00003175
Desulfurella acetivorans	0.00002822
Mycoplasma flocculare	0.00002822
Haematospirillum jordaniae	0.00002822
Candidatus Proffttella armatura	0.00002822
Francisella persica	0.00002822
Sclerotinia sclerotiorum	0.00002822
Borrelia miyamotoi	0.00002822
Streptomyces peucetius	0.00002822
Aliivibrio wodanis	0.00002822
Lacimicrobium alkaliphilum	0.00002822
Sulfuriflexus mobilis	0.00002822
Aspergillus thermomutatus	0.00002822

Besnoitia besnoiti	0.00002822
Hartmannibacter diazotrophicus	0.00002822
Methyloceanibacter sp. wino2	0.00002822
Spirochaeta africana	0.00002822
Candidatus Blochmannia chromaiodes	0.00002822
Streptomyces cattleya	0.00002822
Phytophthora sojae	0.00002469
Vibrio harveyi	0.00002469
Gammaproteobacteria bacterium soil36-7	0.00002469
Colletotrichum orchidophilum	0.00002469
Pseudothromotoga lettingae	0.00002469
Pseudomonas brassicacearum	0.00002469
Pseudomonas synxantha	0.00002469
Bradymonas sediminis	0.00002469
Olsenella sp. oral taxon 807	0.00002469
Bordetella pertussis	0.00002469
Moraxella osloensis	0.00002469
Serratia quinivorans	0.00002469
Rhodococcus opacus	0.00002469
Arcobacter bivalviorum	0.00002469
Pseudomonas sp. Os17	0.00002469
Coxiella endosymbiont of Amblyomma americanum	0.00002469
Acinetobacter sp. WCHAc010034	0.00002469
Pantoea alhagi	0.00002469
Shewanella bicestrii	0.00002469
BeAn 58058 virus	0.00002469
Devosia sp. A16	0.00002469
Actinobacteria bacterium IMCC26256	0.00002469
Candidatus Pelagibacter sp. IMCC9063	0.00002469

<i>Legionella fallonii</i>	0.00002469
<i>Pseudomonas amygdali</i>	0.00002116
<i>Thermosulfidibacter takaii</i>	0.00002116
<i>Xanthomonas citri</i>	0.00002116
Candidatus <i>Endolissoclinum faulkneri</i>	0.00002116
<i>Tolomonas auensis</i>	0.00002116
<i>Porphyromonas asaccharolytica</i>	0.00002116
<i>Dactylococcopsis salina</i>	0.00002116
<i>Aspergillus brunneoviolaceus</i>	0.00002116
<i>Serratia liquefaciens</i>	0.00002116
<i>Streptacidiphilus</i> sp. DSM 106435	0.00002116
<i>Pseudoalteromonas rubra</i>	0.00002116
<i>Selenomonas sputigena</i>	0.00002116
<i>Coprinopsis cinerea</i>	0.00002116
<i>Cohnella</i> sp. HS21	0.00002116
<i>Ralstonia solanacearum</i>	0.00002116
<i>Mycoplasma</i> sp. (ex <i>Biomphalaria glabrata</i>)	0.00002116
<i>Desulfosporosinus orientis</i>	0.00002116
<i>Syntrophomonas wolfei</i>	0.00002116
<i>Buttiauxella</i> sp. 3AFRM03	0.00002116
<i>Zygosaccharomyces rouxii</i>	0.00002116
<i>Trichoderma asperellum</i>	0.00002116
<i>Kosakonia</i> sp. CCTCC M2018092	0.00002116
<i>Thioploca ingrica</i>	0.00002116
<i>Cyclospora cayetanensis</i>	0.00002116
<i>Schaalia odontolytica</i>	0.00002116
<i>Orientia tsutsugamushi</i>	0.00002116
Candidatus <i>Thioglobus singularis</i>	0.00001764
<i>Plasmodium cynomolgi</i>	0.00001764

<i>Bipolaris sorokiniana</i>	0.00001764
<i>Streptomyces fulvissimus</i>	0.00001764
<i>Clostridium beijerinckii</i>	0.00001764
<i>Bacillus lentus</i>	0.00001764
Silvanigrellales bacterium RF1110005	0.00001764
<i>Synechococcus</i> sp. JA-3-3Ab	0.00001764
<i>Calditerrivibrio nitroreducens</i>	0.00001764
<i>Trypanosoma conorhini</i>	0.00001764
<i>Parasaccharibacter apium</i>	0.00001764
<i>Moraxella cuniculi</i>	0.00001764
<i>Rhodotorula graminis</i>	0.00001764
<i>Blautia</i> sp. N6H1-15	0.00001764
<i>Neisseria</i> sp. KEM232	0.00001764
<i>Granulosicoccus antarcticus</i>	0.00001764
<i>Lysobacter antibioticus</i>	0.00001764
<i>Microcoleus</i> sp. PCC 7113	0.00001764
<i>Acinetobacter johnsonii</i>	0.00001764
<i>Rubrobacter xylanophilus</i>	0.00001764
<i>Pseudomonas entomophila</i>	0.00001764
<i>Desulfovibrio salexigens</i>	0.00001764
<i>Cryptococcus neoformans</i>	0.00001764
<i>Proteus vulgaris</i>	0.00001764
<i>Rhodospirillum rubrum</i>	0.00001764
<i>Rhodomicrobium vannielii</i>	0.00001764
<i>Synechococcus lividus</i>	0.00001764
<i>Fonsecaea erecta</i>	0.00001764
<i>Chania multitudinisentens</i>	0.00001764
Candidatus <i>Puniceispirillum marinum</i>	0.00001764
<i>Pseudoalteromonas nigrifaciens</i>	0.00001764

<i>Veillonella parvula</i>	0.00001764
<i>Trichomonas vaginalis</i>	0.00001764
<i>Faecalibaculum rodentium</i>	0.00001764
<i>Geobacter pickeringii</i>	0.00001764
<i>Vibrio scophthalmi</i>	0.00001764
<i>Spongiibacter</i> sp. IMCC21906	0.00001764
<i>Brucella ceti</i>	0.00001764
<i>Marinobacter</i> sp. Arc7-DN-1	0.00001764
<i>Edwardsiella</i> sp. EA181011	0.00001764
<i>Schaalia meyeri</i>	0.00001764
<i>Gloeophyllum trabeum</i>	0.00001764
<i>Methylocaldum marinum</i>	0.00001764
<i>Candidatus Solibacter usitatus</i>	0.00001411
<i>Microbulbifer aggregans</i>	0.00001411
<i>Fusobacterium hwasookii</i>	0.00001411
<i>Winogradskyella</i> sp. PG-2	0.00001411
<i>Paenisporosarcina antarctica</i>	0.00001411
<i>Brenneria nigrifluens</i>	0.00001411
<i>Thiomicrospira aerophila</i>	0.00001411
<i>Ketobacter alkanivorans</i>	0.00001411
<i>Gemmobacter</i> sp. HYN0069	0.00001411
<i>Sulfurospirillum cavolei</i>	0.00001411
<i>Acetohalobium arabaticum</i>	0.00001411
<i>Mycoplasma capricolum</i>	0.00001411
<i>Escherichia virus IME11</i>	0.00001411
<i>Leptosphaeria maculans</i>	0.00001411
<i>Gloeotheca citrifomis</i>	0.00001411
<i>Alcaligenes aquatilis</i>	0.00001411
<i>Eremothecium cymbalariae</i>	0.00001411

Fonsecaea nubica	0.00001411
Alicyclobacillus acidocaldarius	0.00001411
Plasmodium fragile	0.00001411
Arcobacter suis	0.00001411
Bacillus subtilis	0.00001411
Desulfobacula toluolica	0.00001411
Sulfuritortus calidifontis	0.00001411
Magnetospirillum gryphiswaldense	0.00001411
Enterobacteriaceae bacterium ENNIH3	0.00001411
Microbunus phosphovorus	0.00001411
Zobellella denitrificans	0.00001411
Calothrix sp. PCC 7507	0.00001411
Brucella vulpis	0.00001411
Enterococcus faecalis	0.00001411
Halotalea alkalilenta	0.00001411
Corynebacterium striatum	0.00001411
Shewanella halifaxensis	0.00001411
Denitrobacterium detoxificans	0.00001411
Malassezia pachydermatis	0.00001411
Parageobacillus thermoglucosidasius	0.00001411
Thiolapillus brandeum	0.00001411
Phycomyces blakesleeanus	0.00001411
Cavenderia fasciculata	0.00001411
Dyella thiooxydans	0.00001411
Shewanella sp. FDAARGOS_354	0.00001411
Lodderomyces elongisporus	0.00001411
Burkholderiales bacterium GJ-E10	0.00001411
Brucella canis	0.00001411
Xylella taiwanensis	0.00001411

<i>Escherichia</i> sp. E4742	0.00001411
<i>Pragia</i> sp. CF-458	0.00001411
<i>Nitrososphaera viennensis</i>	0.00001058
<i>Lysobacter maris</i>	0.00001058
<i>Eimeria mitis</i>	0.00001058
<i>Kwoniella dejecticola</i>	0.00001058
<i>Pantoea stewartii</i>	0.00001058
<i>Indioceanicola profundi</i>	0.00001058
<i>Magnetospira</i> sp. QH-2	0.00001058
<i>Synechococcus</i> sp. JA-2-3B'a(2-13)	0.00001058
<i>Vibrio chagasii</i>	0.00001058
<i>Aspergillus eucalypticola</i>	0.00001058
<i>Candidatus Nitrosopelagicus brevis</i>	0.00001058
alpha proteobacterium HIMB5	0.00001058
<i>Lawsonia intracellularis</i>	0.00001058
<i>Mannheimia varigena</i>	0.00001058
<i>Serratia odorifera</i>	0.00001058
<i>Kurthia zopfii</i>	0.00001058
<i>Bigelowiella natans</i>	0.00001058
<i>Hippea maritima</i>	0.00001058
<i>Saccharomyces cerevisiae</i>	0.00001058
<i>Cedecea lapagei</i>	0.00001058
<i>Cytophaga hutchinsonii</i>	0.00001058
<i>Clostridium</i> sp. SYSU GA15002T	0.00001058
<i>Plasmopara halstedii</i>	0.00001058
<i>Botrytis cinerea</i>	0.00001058
<i>Fuerstia marisgermanicae</i>	0.00001058
<i>Paenibacillus polymyxa</i>	0.00001058
Neisseriaceae bacterium DSM 100970	0.00001058

<i>Burkholderia mallei</i>	0.00001058
<i>Treponema caldarium</i>	0.00001058
<i>Desulfovibrio vulgaris</i>	0.00001058
<i>Plasmodium malariae</i>	0.00001058
<i>Serratia</i> sp. FGI94	0.00001058
<i>Nitrosococcus watsonii</i>	0.00001058
<i>Olleya</i> sp. Bg11-27	0.00001058
<i>Taylorella asinigenitalis</i>	0.00001058
<i>Candidatus Nitrosocaldus islandicus</i>	0.00001058
<i>Simplicispira suum</i>	0.00001058
<i>Actinomyces</i> sp. oral taxon 848	0.00001058
<i>Oxalobacter formigenes</i>	0.00001058
<i>Gregarina niphandrodes</i>	0.00001058
<i>Lactobacillus plantarum</i>	0.00001058
<i>Gallionella capsiferriformans</i>	0.00001058
<i>Malassezia sympodialis</i>	0.00001058
<i>Pseudoalteromonas phenolica</i>	0.00001058
<i>Neurospora crassa</i>	0.00001058
<i>Acanthamoeba castellanii</i>	0.00001058
<i>Cutibacterium acnes</i>	0.00001058
<i>Persephonella marina</i>	0.00001058
<i>Caldimicrobium thiodismutans</i>	0.00001058
<i>Halorhodospira halophila</i>	0.00001058
<i>Halothiobacillus neapolitanus</i>	0.00001058
<i>Entamoeba dispar</i>	0.00001058
<i>Planctopirus limnophila</i>	0.00001058
<i>Lactobacillus reuteri</i>	0.00001058
<i>Ascoidea rubescens</i>	0.00001058
<i>Bacillus mycoides</i>	0.00001058

<i>Cryptomonas paramecium</i>	0.00001058
<i>Turicibacter</i> sp. H121	0.00001058
<i>Citrobacter</i> sp. SNU WT2	0.00001058
<i>Nitrosomonas</i> sp. AL212	0.00001058
<i>Isosphaera pallida</i>	0.00001058
<i>Syntrophobacter fumaroxidans</i>	0.00001058
<i>Helicobacter cinaedi</i>	0.00001058
<i>Exophiala mesophila</i>	0.00001058
<i>Chondromyces crocatus</i>	0.00001058
<i>Staphylococcus epidermidis</i>	0.00001058
<i>Nitrospira japonica</i>	0.00001058
<i>Janthinobacterium agaricidamnosum</i>	0.00001058
<i>Luteimonas</i> sp. YGD11-2	0.00001058
<i>Actinobacillus delphinicola</i>	0.00001058
